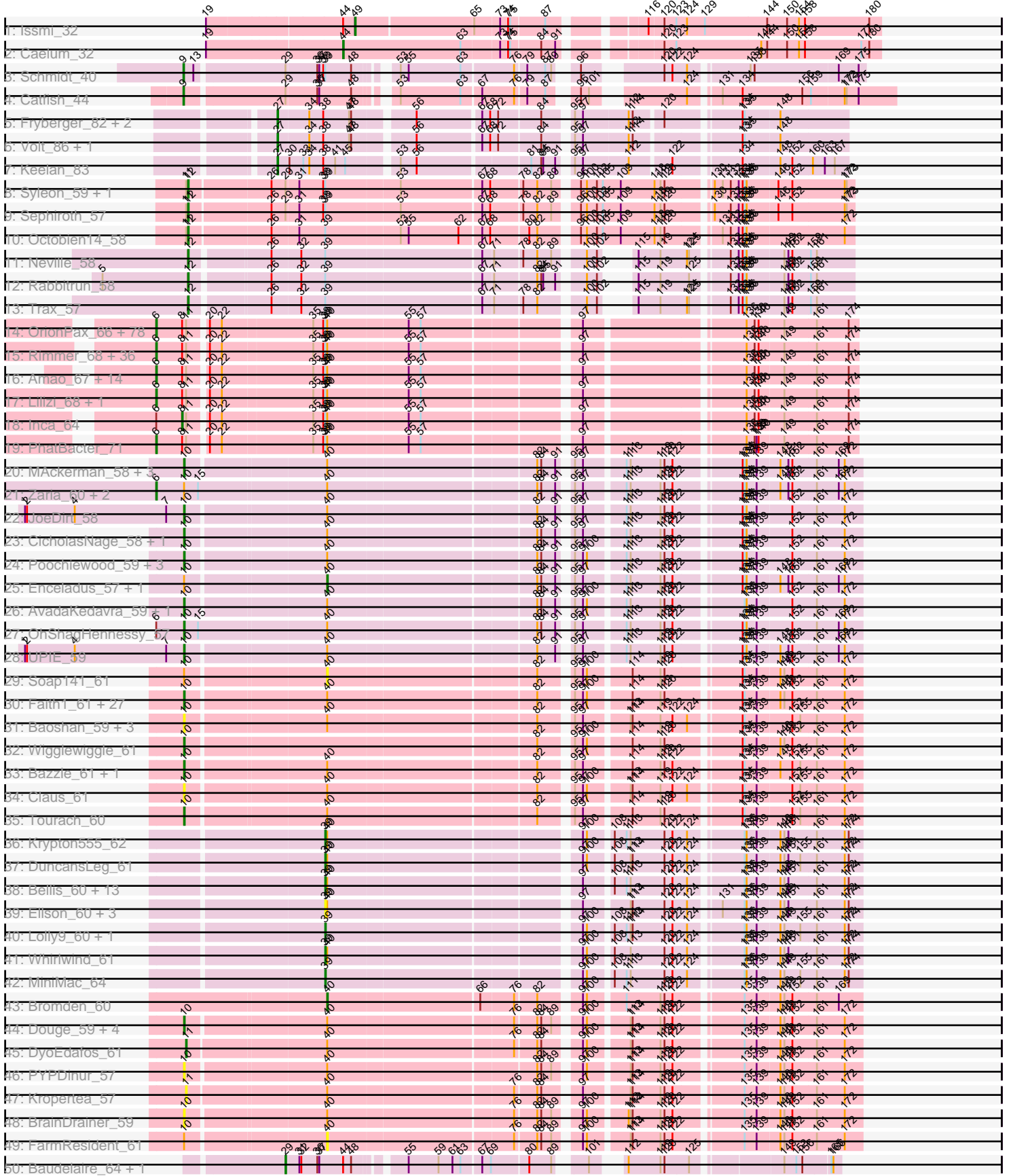
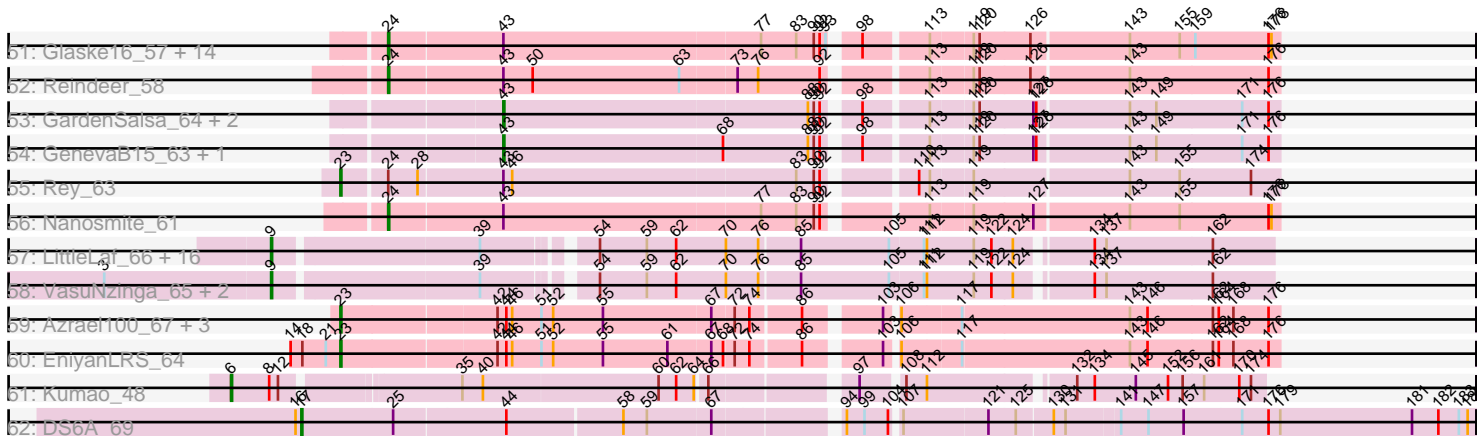


Pham 215760



Pham 215760



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 215760 Report

This analysis was run 02/22/25 on database version 588.

Pham number 215760 has 297 members, 41 are drafts.

Phages represented in each track:

- Track 1 : Issmi_32
- Track 2 : Caelum_32
- Track 3 : Schmidt_40
- Track 4 : Catfish_44
- Track 5 : Fryberger_82, Ziko_85, Guey18_87
- Track 6 : Volt_86, Ronaldo_86
- Track 7 : Keelan_83
- Track 8 : Syleon_59, Kundefre_58
- Track 9 : Sephiroth_57
- Track 10 : Octobien14_58
- Track 11 : Neville_58
- Track 12 : Rabbitrun_58
- Track 13 : Trax_57
- Track 14 : OrionPax_66, Tuco_68, ShamWow_67, NoSleep_68, TBrady12_70, MadamMonkfish_67, BilboSwaggins_66, Czyszczonek_68, Nala_69, Miniwave_62, Mindy_66, SirDuracell_66, TeardropMSU_63, Bruin_64, Manda_67, Dumbo_67, RiverMonster_67, BigBubba_67, Pumpkin_70, Easy2Say_68, IHOP_65, Goku_65, xkcd_70, Becksu_66, Teaspoon_68, ABCat_64, Adnama_71, Elph10_67, SophKB_64, Kostya_67, Filch_68, Eureka_65, Youngblood_70, Murphy_67, CrystalP_66, Murica_70, StormChicken_69, Cjw1_67, Elite2014_66, Maxxinista_69, Thresher_69, ChosenOne_67, BaboJay_64, Dusk_64, Terminus_70, Highbury_66, Pharsalus_64, Asriel_66, BadStone_64, Gator_65, Toto_65, HufflyPuff_70, Moldemort_70, DoctorDiddles_66, Phaja_65, Porky_66, MPhalcon_68, Tarkin_66, Traaww1_63, Rakim_68, Paperbeatsrock_66, Simpliphy_66, Henry_65, FireRed_71, StellaBean_65, Bask21_67, Saints25_66, Contagion_63, Barbarian_66, Ukulele_62, Lilpickle_66, Misfit_68, Mosby_63, Phrux_64, Wiggin_69, Xandras_66, MISSy_68, Stank_70, Emmina_67
- Track 15 : Rimmer_68, NelitzaMV_65, Thimble_69, Marshmallow_65, Tomaszewski_62, Sotrice96_68, Cactus_70, Sassay_62, Daikon_69, Buck_68, GoldenSpark_71, Glexan_66, Kanye_64, AmericanBeauty_71, Goldilocks_70, 244_68, FairyPath_67, Cookies_64, Harella_67, Gemini_72, Holt_72, Gage_69, YassJohnny_64, Balomoji_67, Command613_69, GooberAzure_70, Kimchi_71, Icee_68, Argent26_71, Hoonter_70, Pat3_65, StolenFromERC_70, Quallification_68, Flypotenuse_63, Myrale_67, Willez_62, ShereKhan_66
- Track 16 : Amao_67, FoghornLeghorn_61, Palpatine_69, Lilac_69, BugsBunny_67, HanKaySha_67, Hopey_67, ChotaBhai_67, Nimrod_68, Stark_68, JeTaime_67, DrDrey_67, Petra64142_71, Policronamos_70, Phaux_69

- Track 17 : Lilizi_68, Bench_70
- Track 18 : Inca_64
- Track 19 : PhatBacter_71
- Track 20 : MAckerman_58, LeBron_58, DirkDirk_56, Halena_57
- Track 21 : Zaria_60, Wamburgrxpress_59, Calm_60
- Track 22 : JoeDirt_58
- Track 23 : CicholasNage_58, Acquire49_59
- Track 24 : Poochiewood_59, Wyatt2_60, Rose5_59, Tyson_59
- Track 25 : Enceladus_57, Appletree2_59
- Track 26 : AvadaKedavra_59, Silverleaf_59
- Track 27 : OhShagHennessy_57
- Track 28 : UPIE_59
- Track 29 : Soap141_61
- Track 30 : Faith1_61, Miley16_61, Zakai_62, DrSeegs_61, Gardann_62, BigCheese_61, BobsGarage_61, Gabriela_58, GuuelaD_60, Nicholasp3_61, MkaliMinitis3_62, LilDestine_61, Breezona_61, Crossroads_61, Underpass_52, SoJulia_63, Sarshaun_61, Itos_60, Kahlid_61, Rumpelstiltskin_60, Vetrix_61, Finemlucis_61, Wilder_62, Loadrie_60, Hafay_62, Netyap_62, Lewan_62, Winky_61
- Track 31 : Baoshan_59, ZhongYanYuan_59, DHan_62, DanBing_61
- Track 32 : Wigglewiggles_61
- Track 33 : Bazzle_61, Archie_61
- Track 34 : Claus_61
- Track 35 : Tourach_60
- Track 36 : Krypton555_62
- Track 37 : DuncansLeg_61
- Track 38 : Bellis_60, Moostard_60, Jobypre_61, Kingsolomon_60, TriFive_61, Lumos_62, MsGreen_61, Clautastrophe_60, Samty_61, Red305_61, Jubie_60, Snenia_60, Nicholas_60, Finnry_61
- Track 39 : Ellson_60, LiyuLake_60, BourbonZero_61, KirDoubleO7_59
- Track 40 : Lolly9_60, MiniLon_64
- Track 41 : Whirlwind_61
- Track 42 : MiniMac_64
- Track 43 : Bromden_60
- Track 44 : Douge_59, Chaser_57, Sheng711_59, Quby_59, Douzhi_59
- Track 45 : DyoEdafos_61
- Track 46 : PYPDinur_57
- Track 47 : Kropertea_57
- Track 48 : BrainDrainer_59
- Track 49 : FarmResident_61
- Track 50 : Baudelaire_64, Aegeus_64
- Track 51 : Glaske16_57, LilhomieP_55, Skinny_58, PegLeg_56, SlimJimmy_55, Diminimus_57, Bongo_56, FreakyGoo_57, Dulcita_57, TyDawg_56, Izel_56, KleverKiS_57, Bricole_56, IPhane7_56, Auspice_56
- Track 52 : Reindeer_58
- Track 53 : GardenSalsa_64, Estes_64, MrMagoo_65
- Track 54 : GenevaB15_63, Aziz_62
- Track 55 : Rey_63
- Track 56 : Nanosmite_61
- Track 57 : LittleLaf_66, GoongGoong_63, FeliMaine_68, JoieB_67, Marvin_62, Blackbeetle_66, Lilbit_66, MosMoris_63, Caprice_61, RedRaider77_65, Corazon_64, Raela_66, Poise_66, Clarkson_67, Huphlepuuff_68, Gattaca_64, Tesla_63
- Track 58 : VasuNzinga_65, Beelzebub_70, Pringar_65
- Track 59 : Azrael100_67, Wildcat_67, MaryV_67, Cosmo_68

- Track 60 : EniyanLRS_64
- Track 61 : Kumao_48
- Track 62 : DS6A_69

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

The start number called the most often in the published annotations is 6, it was called in 128 of the 256 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_68, ABCat_64, Adnama_71, Amao_67, AmericanBeauty_71, Argent26_71, Asriel_66, BaboJay_64, BadStone_64, Balomoji_67, Barbarian_66, Bask21_67, Becksu_66, Bench_70, BigBubba_67, BilboSwaggins_66, Bruin_64, Buck_68, BugsBunny_67, Cactus_70, Calm_60, ChosenOne_67, ChotaBhai_67, Cjw1_67, Command613_69, Contagion_63, Cookies_64, CrystalP_66, Czystoczon1_68, Daikon_69, DoctorDiddles_66, DrDrey_67, Dumbo_67, Dusk_64, Easy2Say_68, Elite2014_66, Elph10_67, Emmina_67, Eureka_65, FairyPath_67, Filch_68, FireRed_71, Flypotenuse_63, FoghornLeghorn_61, Gage_69, Gator_65, Gemini_72, Glexan_66, Goku_65, GoldenSpark_71, Goldilocks_70, GooberAzure_70, HanKaySha_67, Harella_67, Henry_65, Highbury_66, Holt_72, Hoonter_70, Hopey_67, HufflyPuff_70, IHOP_65, Icee_68, JeTaime_67, Kanye_64, Kimchi_71, Kostya_67, Kumao_48, Lilac_69, Lilizi_68, Lilpickle_66, MISSy_68, MPhalcon_68, MadamMonkfish_67, Manda_67, Marshmallow_65, Maxxinista_69, Mindy_66, Miniwave_62, Misfit_68, Moldemort_70, Mosby_63, Murica_70, Murphy_67, Myrale_67, Nala_69, NelitzaMV_65, Nimrod_68, NoSleep_68, OrionPax_66, Palpatine_69, Paperbeatsrock_66, Pat3_65, Petra64142_71, Phaja_65, Pharsalus_64, PhatBacter_71, Phaux_69, Phrux_64, Policronamos_70, Porky_66, Pumpkin_70, Quallification_68, Rakim_68, Rimmer_68, RiverMonster_67, Saints25_66, Sassay_62, ShamWow_67, ShereKhan_66, Simpliphy_66, SirDuracell_66, SophKB_64, Sotrice96_68, Stank_70, Stark_68, StellaBean_65, StolenFromERC_70, StormChicken_69, TBrady12_70, Tarkin_66, TeardropMSU_63, Teaspoon_68, Terminus_70, Thimble_69, Thresher_69, Tomaszewski_62, Toto_65, Traaww1_63, Tuco_68, Ukulele_62, Wamburggrxpress_59, Wiggin_69, Willez_62, Xandras_66, YassJohnny_64, Youngblood_70, Zaria_60, xkcd_70,

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

- Inca_64, OhShagHennessy_57,

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

- Acquire49_59, Aegeus_64, Appletree2_59, Archie_61, Auspice_56, AvadaKedavra_59, Aziz_62, Azrael100_67, Baoshan_59, Baudelaire_64, Bazzle_61, Beelzebub_70, Bellis_60, BigCheese_61, Blackbeetle_66, BobsGarage_61, Bongo_56, BourbonZero_61, BrainDrainer_59, Breezona_61, Bricole_56, Bromden_60, Caelum_32, Caprice_61, Catfish_44, Chaser_57, CicholasNage_58, Clarkson_67, Claus_61, Clautastrophe_60, Corazon_64, Cosmo_68, Crossroads_61, DHan_62, DS6A_69, DanBing_61, Diminimus_57, DirkDirk_56, Douge_59, Douzhi_59, DrSeegs_61, Dulcita_57, DuncansLeg_61, DyoEdafos_61, Ellson_60, Enceladus_57, EniyanLRS_64, Estes_64, Faith1_61, FarmResident_61, FeliMaine_68, Finemlucis_61, Finnry_61, FreakyGoo_57, Fryberger_82, Gabriela_58, Gardann_62, GardenSalsa_64, Gattaca_64, GenevaB15_63, Glaske16_57,

GoongGoong_63, Guey18_87, GuuelaD_60, Hafay_62, Halena_57, Huphlepuuff_68, IPhane7_56, Issmi_32, Itos_60, Izel_56, Jobypre_61, JoeDirt_58, JoieB_67, Jubie_60, Kahlid_61, Keelan_83, Kingsolomon_60, KirDoubleO7_59, KleverKiS_57, Kropertea_57, Krypton555_62, Kudrefre_58, LeBron_58, Lewan_62, LilDestine_61, Lilbit_66, LilhomieP_55, LittleLaf_66, LiyuLake_60, Loadrie_60, Lolly9_60, Lumos_62, MAckerman_58, Marvin_62, MaryV_67, Miley16_61, MiniLon_64, MiniMac_64, MkaliMitinis3_62, Moostard_60, MosMoris_63, MrMagoo_65, MsGreen_61, Nanosmite_61, Netyap_62, Neville_58, Nicholas_60, Nicholasp3_61, Octobien14_58, PYPDinur_57, PegLeg_56, Poise_66, Poochiewood_59, Pringar_65, Quby_59, Rabbitrun_58, Raela_66, Red305_61, RedRaider77_65, Reindeer_58, Rey_63, Ronaldo_86, Rose5_59, Rumpelstiltskin_60, Samty_61, Sarshaun_61, Schmidt_40, Sephiroth_57, Sheng711_59, Silverleaf_59, Skinny_58, SlimJimmy_55, Snenia_60, SoJulia_63, Soap141_61, Syleon_59, Tesla_63, Tourach_60, Trax_57, TriFive_61, TyDawg_56, Tyson_59, UPIE_59, Underpass_52, VasuNzinga_65, Vetrux_61, Volt_86, Whirlwind_61, Wigglewiggle_61, Wildcat_67, Wilder_62, Winky_61, Wyatt2_60, Zakai_62, ZhongYanYuan_59, Ziko_85,

Summary by start number:

Start 6:

- Found in 140 of 297 (47.1%) of genes in pham
- Manual Annotations of this start: 128 of 256
- Called 98.6% of time when present
- Phage (with cluster) where this start called: 244_68 (E), ABCat_64 (E), Adnama_71 (E), Amao_67 (E), AmericanBeauty_71 (E), Argent26_71 (E), Asriel_66 (E), BaboJay_64 (E), BadStone_64 (E), Balomoji_67 (E), Barbarian_66 (E), Bask21_67 (E), Becksu_66 (E), Bench_70 (E), BigBubba_67 (E), BilboSwaggins_66 (E), Bruin_64 (E), Buck_68 (E), BugsBunny_67 (E), Cactus_70 (E), Calm_60 (L1), ChosenOne_67 (E), ChotaBhai_67 (E), Cjw1_67 (E), Command613_69 (E), Contagion_63 (E), Cookies_64 (E), CrystalP_66 (E), Czyszczonek1_68 (E), Daikon_69 (E), DoctorDiddles_66 (E), DrDrey_67 (E), Dumbo_67 (E), Dusk_64 (E), Easy2Say_68 (E), Elite2014_66 (E), Elph10_67 (E), Emmina_67 (E), Eureka_65 (E), FairyPath_67 (E), Filch_68 (E), FireRed_71 (E), Flypotenuse_63 (E), FoghornLeghorn_61 (E), Gage_69 (E), Gator_65 (E), Gemini_72 (E), Glexan_66 (E), Goku_65 (E), GoldenSpark_71 (E), Goldilocks_70 (E), GooberAzure_70 (E), HanKaySha_67 (E), Harella_67 (E), Henry_65 (E), Highbury_66 (E), Holt_72 (E), Hoonter_70 (E), Hopey_67 (E), HufflyPuff_70 (E), IHOP_65 (E), Icee_68 (E), JeTaime_67 (E), Kanye_64 (E), Kimchi_71 (E), Kostya_67 (E), Kumao_48 (singleton), Lilac_69 (E), Lilizi_68 (E), Lilpickle_66 (E), MISSy_68 (E), MPhalcon_68 (E), MadamMonkfish_67 (E), Manda_67 (E), Marshmallow_65 (E), Maxxinista_69 (E), Mindy_66 (E), Miniwave_62 (E), Misfit_68 (E), Moldemort_70 (E), Mosby_63 (E), Murica_70 (E), Murphy_67 (E), Myrale_67 (E), Nala_69 (E), NelitzaMV_65 (E), Nimrod_68 (E), NoSleep_68 (E), OrionPax_66 (E), Palpatine_69 (E), Paperbeatsrock_66 (E), Pat3_65 (E), Petra64142_71 (E), Phaja_65 (E), Pharsalus_64 (E), PhatBacter_71 (E), Phaux_69 (E), Phrux_64 (E), Policronamos_70 (E), Porky_66 (E), Pumpkin_70 (E), Quallification_68 (E), Rakim_68 (E), Rimmer_68 (E), RiverMonster_67 (E), Saints25_66 (E), Sassay_62 (E), ShamWow_67 (E), ShereKhan_66 (E), Simpliphy_66 (E), SirDuracell_66 (E), SophKB_64 (E), Sotrice96_68 (E), Stank_70 (E), Stark_68 (E), StellaBean_65 (E), StolenFromERC_70 (E), StormChicken_69 (E), TBrady12_70 (E), Tarkin_66 (E), TeardropMSU_63 (E), Teaspoon_68 (E), Terminus_70 (E), Thimble_69 (E), Thresher_69 (E), Tomaszewski_62 (E), Toto_65 (E), Traaww1_63 (E), Tuco_68 (E), Ukulele_62 (E), Wamburgxpress_59 (L1), Wiggin_69 (E), Willez_62 (E), Xandras_66

(E), YassJohnny_64 (E), Youngblood_70 (E), Zaria_60 (L1), xkcd_70 (E),

Start 8:

- Found in 136 of 297 (45.8%) of genes in pham
- Manual Annotations of this start: 1 of 256
- Called 0.7% of time when present
- Phage (with cluster) where this start called: Inca_64 (E),

Start 9:

- Found in 22 of 297 (7.4%) of genes in pham
- Manual Annotations of this start: 19 of 256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Beelzebub_70 (S), Blackbeetle_66 (S), Caprice_61 (S), Catfish_44 (CU5), Clarkson_67 (S), Corazon_64 (S), FeliMaine_68 (S), Gattaca_64 (S), GoongGoong_63 (S), Huphlepuuff_68 (S), JoieB_67 (S), Lilbit_66 (S), LittleLaf_66 (S), Marvin_62 (S), MosMoris_63 (S), Poise_66 (S), Pringar_65 (S), Raela_66 (S), RedRaider77_65 (S), Schmidt_40 (CU4), Tesla_63 (S), VasuNzinga_65 (S),

Start 10:

- Found in 66 of 297 (22.2%) of genes in pham
- Manual Annotations of this start: 44 of 256
- Called 89.4% of time when present
- Phage (with cluster) where this start called: Acquire49_59 (L1), Archie_61 (L2), AvadaKedavra_59 (L1), Baoshan_59 (L2), Bazzle_61 (L2), BigCheese_61 (L2), BobsGarage_61 (L2), BrainDrainer_59 (L4), Breezona_61 (L2), Chaser_57 (L4), CicholasNage_58 (L1), Claus_61 (L2), Crossroads_61 (L2), DHan_62 (L2), DanBing_61 (L2), DirkDirk_56 (L1), Douge_59 (L4), Douzhi_59 (L4), DrSeegs_61 (L2), Faith1_61 (L2), Finemlucis_61 (L2), Gabriela_58 (L2), Gardann_62 (L2), GuuelaD_60 (L2), Hafay_62 (L2), Halena_57 (L1), Itos_60 (L2), JoeDirt_58 (L1), Kahlid_61 (L2), LeBron_58 (L1), Lewan_62 (L2), LilDestine_61 (L2), Loadrie_60 (L2), MAckerman_58 (L1), Miley16_61 (L2), MkaliMitinis3_62 (L2), Netyap_62 (L2), Nicholasp3_61 (L2), OhShagHennessy_57 (L1), PYPDinur_57 (L4), Poochiewood_59 (L1), Quby_59 (L4), Rose5_59 (L1), Rumpelstiltskin_60 (L2), Sarshaun_61 (L2), Sheng711_59 (L4), Silverleaf_59 (L1), SoJulia_63 (L2), Tourach_60 (L2), Tyson_59 (L1), UPIE_59 (L1), Underpass_52 (L2), Vetrix_61 (L2), Wigglewiggle_61 (L2), Wilder_62 (L2), Winky_61 (L2), Wyatt2_60 (L1), Zakai_62 (L2), ZhongYanYuan_59 (L2),

Start 11:

- Found in 141 of 297 (47.5%) of genes in pham
- Manual Annotations of this start: 1 of 256
- Called 1.4% of time when present
- Phage (with cluster) where this start called: DyoEdafos_61 (L4), Kropertea_57 (L4),

Start 12:

- Found in 8 of 297 (2.7%) of genes in pham
- Manual Annotations of this start: 7 of 256
- Called 87.5% of time when present
- Phage (with cluster) where this start called: Kudrefre_58 (DU1), Neville_58 (DU2), Octobien14_58 (DU1), Rabbitrun_58 (DU2), Sephiroth_57 (DU1), Syleon_59 (DU1), Trax_57 (DU2),

Start 17:

- Found in 1 of 297 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DS6A_69 (singleton),

Start 23:

- Found in 6 of 297 (2.0%) of genes in pham
- Manual Annotations of this start: 6 of 256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Azrael100_67 (V), Cosmo_68 (V), EniyanLRS_64 (V), MaryV_67 (V), Rey_63 (M2), Wildcat_67 (V),

Start 24:

- Found in 18 of 297 (6.1%) of genes in pham
- Manual Annotations of this start: 14 of 256
- Called 94.4% of time when present
- Phage (with cluster) where this start called: Auspice_56 (M1), Bongo_56 (M1), Bricole_56 (M1), Diminimus_57 (M1), Dulcita_57 (M1), FreakyGoo_57 (M1), Glaske16_57 (M1), IPhane7_56 (M1), Izel_56 (M1), KleverKiS_57 (M1), LilhomieP_55 (M1), Nanosmite_61 (M3), PegLeg_56 (M1), Reindeer_58 (M1), Skinny_58 (M1), SlimJimmy_55 (M1), TyDawg_56 (M1),

Start 27:

- Found in 6 of 297 (2.0%) of genes in pham
- Manual Annotations of this start: 6 of 256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Fryberger_82 (DP), Guey18_87 (DP), Keelan_83 (DP), Ronaldo_86 (DP), Volt_86 (DP), Ziko_85 (DP),

Start 29:

- Found in 7 of 297 (2.4%) of genes in pham
- Manual Annotations of this start: 2 of 256
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Aegeus_64 (L5), Baudelaire_64 (L5),

Start 39:

- Found in 187 of 297 (63.0%) of genes in pham
- Manual Annotations of this start: 17 of 256
- Called 12.8% of time when present
- Phage (with cluster) where this start called: Bellis_60 (L3), BourbonZero_61 (L3), Clautastrophe_60 (L3), DuncansLeg_61 (L3), Ellson_60 (L3), Finnry_61 (L3), Jobypre_61 (L3), Jubie_60 (L3), Kingsolomon_60 (L3), KirDoubleO7_59 (L3), Krypton555_62 (L3), LiyuLake_60 (L3), Lolly9_60 (L3), Lumos_62 (L3), MiniLon_64 (L3), MiniMac_64 (L3), Moostard_60 (L3), MsGreen_61 (L3), Nicholas_60 (L3), Red305_61 (L3), Samty_61 (L3), Snenia_60 (L3), TriFive_61 (L3), Whirlwind_61 (L3),

Start 40:

- Found in 225 of 297 (75.8%) of genes in pham
- Manual Annotations of this start: 3 of 256
- Called 2.2% of time when present
- Phage (with cluster) where this start called: Appletree2_59 (L1), Bromden_60 (L4), Enceladus_57 (L1), FarmResident_61 (L4), Soap141_61 (L2),

Start 43:

- Found in 23 of 297 (7.7%) of genes in pham
- Manual Annotations of this start: 5 of 256
- Called 21.7% of time when present
- Phage (with cluster) where this start called: Aziz_62 (M2), Estes_64 (M2), GardenSalsa_64 (M2), GenevaB15_63 (M2), MrMagoo_65 (M2),

Start 44:

- Found in 10 of 297 (3.4%) of genes in pham
- Manual Annotations of this start: 1 of 256
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Caelum_32 (BD2),

Start 49:

- Found in 1 of 297 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 256
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Issmi_32 (BD2),

Summary by clusters:

There are 18 clusters represented in this pham: V, CU4, E, L1, S, DU1, L4, L5, M1, L3, M3, BD2, L2, singleton, CU5, M2, DU2, DP,

Info for manual annotations of cluster BD2:

- Start number 44 was manually annotated 1 time for cluster BD2.
- Start number 49 was manually annotated 1 time for cluster BD2.

Info for manual annotations of cluster CU4:

- Start number 9 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 9 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster DP:

- Start number 27 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DU1:

- Start number 12 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 12 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster E:

- Start number 6 was manually annotated 124 times for cluster E.
- Start number 8 was manually annotated 1 time for cluster E.

Info for manual annotations of cluster L1:

- Start number 6 was manually annotated 3 times for cluster L1.
- Start number 10 was manually annotated 14 times for cluster L1.
- Start number 40 was manually annotated 2 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 10 was manually annotated 28 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 39 was manually annotated 17 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 10 was manually annotated 2 times for cluster L4.
- Start number 11 was manually annotated 1 time for cluster L4.
- Start number 40 was manually annotated 1 time for cluster L4.

Info for manual annotations of cluster L5:

- Start number 29 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 24 was manually annotated 13 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 23 was manually annotated 1 time for cluster M2.
- Start number 43 was manually annotated 5 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 24 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster S:

- Start number 9 was manually annotated 17 times for cluster S.

Info for manual annotations of cluster V:

- Start number 23 was manually annotated 5 times for cluster V.

Gene Information:

Gene: 244_68 Start: 44193, Stop: 45161, Start Num: 6

Candidate Starts for 244_68:

(Start: 6 @44193 has 128 MA's), (Start: 8 @44232 has 1 MA's), (Start: 11 @44238 has 1 MA's), (20, 44262), (22, 44280), (35, 44412), (38, 44427), (Start: 39 @44430 has 17 MA's), (Start: 40 @44433 has 3 MA's), (55, 44550), (57, 44568), (97, 44781), (136, 44997), (138, 45009), (140, 45015), (149, 45051), (161, 45099), (174, 45147),

Gene: ABCat_64 Start: 44540, Stop: 45508, Start Num: 6

Candidate Starts for ABCat_64:

(Start: 6 @44540 has 128 MA's), (Start: 8 @44579 has 1 MA's), (Start: 11 @44585 has 1 MA's), (20, 44609), (22, 44627), (35, 44759), (38, 44774), (Start: 39 @44777 has 17 MA's), (Start: 40 @44780 has 3 MA's), (55, 44897), (57, 44915), (97, 45128), (136, 45344), (138, 45356), (140, 45362), (149, 45398), (161, 45446), (174, 45494),

Gene: Acquire49_59 Start: 41447, Stop: 42379, Start Num: 10

Candidate Starts for Acquire49_59:

(Start: 10 @41447 has 44 MA's), (Start: 40 @41645 has 3 MA's), (82, 41942), (84, 41948), (91, 41969), (95, 41981), (97, 41993), (111, 42047), (113, 42053), (119, 42098), (120, 42104), (122, 42116), (134, 42203), (135, 42206), (136, 42209), (139, 42224), (152, 42275), (161, 42311), (172, 42353),

Gene: Adnama_71 Start: 44563, Stop: 45531, Start Num: 6

Candidate Starts for Adnama_71:

(Start: 6 @44563 has 128 MA's), (Start: 8 @44602 has 1 MA's), (Start: 11 @44608 has 1 MA's), (20, 44632), (22, 44650), (35, 44782), (38, 44797), (Start: 39 @44800 has 17 MA's), (Start: 40 @44803 has 3 MA's), (55, 44920), (57, 44938), (97, 45151), (136, 45367), (138, 45379), (140, 45385), (149, 45421), (161, 45469), (174, 45517),

Gene: Aegeus_64 Start: 43641, Stop: 44339, Start Num: 29

Candidate Starts for Aegeus_64:

(Start: 29 @43641 has 2 MA's), (31, 43659), (32, 43662), (36, 43686), (37, 43689), (Start: 44 @43725 has 1 MA's), (48, 43737), (55, 43797), (59, 43842), (61, 43863), (63, 43875), (67, 43902), (69, 43914), (80, 43965), (89, 43998), (101, 44028), (112, 44052), (119, 44100), (120, 44106), (125, 44142), (149, 44259), (153, 44277), (156, 44286), (165, 44325), (166, 44328),

Gene: Amao_67 Start: 43948, Stop: 44916, Start Num: 6

Candidate Starts for Amao_67:

(Start: 6 @43948 has 128 MA's), (Start: 8 @43987 has 1 MA's), (Start: 11 @43993 has 1 MA's), (20, 44017), (22, 44035), (35, 44167), (38, 44182), (Start: 39 @44185 has 17 MA's), (Start: 40 @44188 has 3 MA's), (55, 44305), (57, 44323), (97, 44536), (136, 44752), (138, 44764), (140, 44770), (149, 44806), (161, 44854), (174, 44902),

Gene: AmericanBeauty_71 Start: 44706, Stop: 45674, Start Num: 6

Candidate Starts for AmericanBeauty_71:

(Start: 6 @44706 has 128 MA's), (Start: 8 @44745 has 1 MA's), (Start: 11 @44751 has 1 MA's), (20, 44775), (22, 44793), (35, 44925), (38, 44940), (Start: 39 @44943 has 17 MA's), (Start: 40 @44946 has 3 MA's), (55, 45063), (57, 45081), (97, 45294), (136, 45510), (138, 45522), (140, 45528), (149, 45564), (161, 45612), (174, 45660),

Gene: Appletree2_59 Start: 41937, Stop: 42671, Start Num: 40

Candidate Starts for Appletree2_59:

(Start: 10 @41739 has 44 MA's), (Start: 40 @41937 has 3 MA's), (82, 42234), (84, 42240), (91, 42261), (95, 42273), (97, 42285), (111, 42339), (113, 42345), (119, 42390), (120, 42396), (122, 42408), (134, 42495), (135, 42498), (136, 42501), (139, 42516), (148, 42549), (151, 42561), (152, 42567), (161, 42603), (169, 42636), (172, 42645),

Gene: Archie_61 Start: 43741, Stop: 44673, Start Num: 10

Candidate Starts for Archie_61:

(Start: 10 @43741 has 44 MA's), (Start: 40 @43939 has 3 MA's), (82, 44236), (95, 44275), (97, 44287), (114, 44350), (119, 44392), (120, 44398), (122, 44410), (134, 44497), (135, 44500), (139, 44518), (148, 44551), (152, 44569), (155, 44581), (161, 44605), (172, 44647),

Gene: Argent26_71 Start: 44344, Stop: 45312, Start Num: 6

Candidate Starts for Argent26_71:

(Start: 6 @44344 has 128 MA's), (Start: 8 @44383 has 1 MA's), (Start: 11 @44389 has 1 MA's), (20, 44413), (22, 44431), (35, 44563), (38, 44578), (Start: 39 @44581 has 17 MA's), (Start: 40 @44584 has 3 MA's), (55, 44701), (57, 44719), (97, 44932), (136, 45148), (138, 45160), (140, 45166), (149, 45202), (161, 45250), (174, 45298),

Gene: Asriel_66 Start: 42900, Stop: 43868, Start Num: 6

Candidate Starts for Asriel_66:

(Start: 6 @42900 has 128 MA's), (Start: 8 @42939 has 1 MA's), (Start: 11 @42945 has 1 MA's), (20, 42969), (22, 42987), (35, 43119), (38, 43134), (Start: 39 @43137 has 17 MA's), (Start: 40 @43140 has

3 MA's), (55, 43257), (57, 43275), (97, 43488), (136, 43704), (138, 43716), (140, 43722), (149, 43758), (161, 43806), (174, 43854),

Gene: Auspice_56 Start: 39488, Stop: 40348, Start Num: 24

Candidate Starts for Auspice_56:

(Start: 24 @39488 has 14 MA's), (Start: 43 @39602 has 5 MA's), (77, 39860), (83, 39896), (90, 39914), (92, 39920), (93, 39926), (98, 39947), (113, 40004), (119, 40043), (120, 40049), (126, 40100), (143, 40196), (155, 40247), (159, 40262), (176, 40337), (178, 40340),

Gene: AvadaKedavra_59 Start: 41520, Stop: 42452, Start Num: 10

Candidate Starts for AvadaKedavra_59:

(Start: 10 @41520 has 44 MA's), (Start: 40 @41718 has 3 MA's), (82, 42015), (84, 42021), (91, 42042), (95, 42054), (97, 42066), (100, 42072), (111, 42120), (113, 42126), (119, 42171), (120, 42177), (122, 42189), (135, 42279), (136, 42282), (139, 42297), (152, 42348), (161, 42384), (172, 42426),

Gene: Aziz_62 Start: 41623, Stop: 42369, Start Num: 43

Candidate Starts for Aziz_62:

(Start: 43 @41623 has 5 MA's), (68, 41845), (88, 41929), (90, 41935), (92, 41941), (98, 41968), (113, 42025), (119, 42064), (120, 42070), (127, 42124), (128, 42127), (143, 42217), (149, 42244), (171, 42331), (176, 42358),

Gene: Azrael100_67 Start: 44691, Stop: 45596, Start Num: 23

Candidate Starts for Azrael100_67:

(Start: 23 @44691 has 6 MA's), (42, 44844), (Start: 44 @44853 has 1 MA's), (46, 44859), (51, 44889), (52, 44901), (55, 44952), (67, 45060), (72, 45081), (74, 45096), (86, 45144), (103, 45210), (106, 45219), (117, 45276), (143, 45444), (146, 45462), (162, 45528), (164, 45534), (168, 45549), (176, 45585),

Gene: BaboJay_64 Start: 43737, Stop: 44705, Start Num: 6

Candidate Starts for BaboJay_64:

(Start: 6 @43737 has 128 MA's), (Start: 8 @43776 has 1 MA's), (Start: 11 @43782 has 1 MA's), (20, 43806), (22, 43824), (35, 43956), (38, 43971), (Start: 39 @43974 has 17 MA's), (Start: 40 @43977 has 3 MA's), (55, 44094), (57, 44112), (97, 44325), (136, 44541), (138, 44553), (140, 44559), (149, 44595), (161, 44643), (174, 44691),

Gene: BadStone_64 Start: 44109, Stop: 45077, Start Num: 6

Candidate Starts for BadStone_64:

(Start: 6 @44109 has 128 MA's), (Start: 8 @44148 has 1 MA's), (Start: 11 @44154 has 1 MA's), (20, 44178), (22, 44196), (35, 44328), (38, 44343), (Start: 39 @44346 has 17 MA's), (Start: 40 @44349 has 3 MA's), (55, 44466), (57, 44484), (97, 44697), (136, 44913), (138, 44925), (140, 44931), (149, 44967), (161, 45015), (174, 45063),

Gene: Balomoji_67 Start: 44670, Stop: 45638, Start Num: 6

Candidate Starts for Balomoji_67:

(Start: 6 @44670 has 128 MA's), (Start: 8 @44709 has 1 MA's), (Start: 11 @44715 has 1 MA's), (20, 44739), (22, 44757), (35, 44889), (38, 44904), (Start: 39 @44907 has 17 MA's), (Start: 40 @44910 has 3 MA's), (55, 45027), (57, 45045), (97, 45258), (136, 45474), (138, 45486), (140, 45492), (149, 45528), (161, 45576), (174, 45624),

Gene: Baoshan_59 Start: 43439, Stop: 44371, Start Num: 10

Candidate Starts for Baoshan_59:

(Start: 10 @43439 has 44 MA's), (Start: 40 @43637 has 3 MA's), (82, 43934), (95, 43973), (97, 43985), (113, 44045), (114, 44048), (119, 44090), (122, 44108), (124, 44129), (134, 44195), (135, 44198),

(139, 44216), (152, 44267), (155, 44279), (161, 44303), (172, 44345),

Gene: Barbarian_66 Start: 42900, Stop: 43868, Start Num: 6

Candidate Starts for Barbarian_66:

(Start: 6 @42900 has 128 MA's), (Start: 8 @42939 has 1 MA's), (Start: 11 @42945 has 1 MA's), (20, 42969), (22, 42987), (35, 43119), (38, 43134), (Start: 39 @43137 has 17 MA's), (Start: 40 @43140 has 3 MA's), (55, 43257), (57, 43275), (97, 43488), (136, 43704), (138, 43716), (140, 43722), (149, 43758), (161, 43806), (174, 43854),

Gene: Bask21_67 Start: 43511, Stop: 44479, Start Num: 6

Candidate Starts for Bask21_67:

(Start: 6 @43511 has 128 MA's), (Start: 8 @43550 has 1 MA's), (Start: 11 @43556 has 1 MA's), (20, 43580), (22, 43598), (35, 43730), (38, 43745), (Start: 39 @43748 has 17 MA's), (Start: 40 @43751 has 3 MA's), (55, 43868), (57, 43886), (97, 44099), (136, 44315), (138, 44327), (140, 44333), (149, 44369), (161, 44417), (174, 44465),

Gene: Baudelaire_64 Start: 43641, Stop: 44339, Start Num: 29

Candidate Starts for Baudelaire_64:

(Start: 29 @43641 has 2 MA's), (31, 43659), (32, 43662), (36, 43686), (37, 43689), (Start: 44 @43725 has 1 MA's), (48, 43737), (55, 43797), (59, 43842), (61, 43863), (63, 43875), (67, 43902), (69, 43914), (80, 43965), (89, 43998), (101, 44028), (112, 44052), (119, 44100), (120, 44106), (125, 44142), (149, 44259), (153, 44277), (156, 44286), (165, 44325), (166, 44328),

Gene: Bazzle_61 Start: 43811, Stop: 44743, Start Num: 10

Candidate Starts for Bazzle_61:

(Start: 10 @43811 has 44 MA's), (Start: 40 @44009 has 3 MA's), (82, 44306), (95, 44345), (97, 44357), (114, 44420), (119, 44462), (120, 44468), (122, 44480), (134, 44567), (135, 44570), (139, 44588), (148, 44621), (152, 44639), (155, 44651), (161, 44675), (172, 44717),

Gene: Becksu_66 Start: 44739, Stop: 45707, Start Num: 6

Candidate Starts for Becksu_66:

(Start: 6 @44739 has 128 MA's), (Start: 8 @44778 has 1 MA's), (Start: 11 @44784 has 1 MA's), (20, 44808), (22, 44826), (35, 44958), (38, 44973), (Start: 39 @44976 has 17 MA's), (Start: 40 @44979 has 3 MA's), (55, 45096), (57, 45114), (97, 45327), (136, 45543), (138, 45555), (140, 45561), (149, 45597), (161, 45645), (174, 45693),

Gene: Beelzebub_70 Start: 37655, Stop: 38608, Start Num: 9

Candidate Starts for Beelzebub_70:

(3, 37487), (Start: 9 @37655 has 19 MA's), (Start: 39 @37853 has 17 MA's), (54, 37946), (59, 37994), (62, 38024), (70, 38075), (76, 38108), (85, 38147), (105, 38237), (111, 38270), (112, 38273), (119, 38321), (122, 38339), (124, 38360), (134, 38426), (137, 38438), (162, 38546),

Gene: Bellis_60 Start: 44017, Stop: 44754, Start Num: 39

Candidate Starts for Bellis_60:

(Start: 39 @44017 has 17 MA's), (Start: 40 @44020 has 3 MA's), (97, 44368), (108, 44404), (111, 44422), (113, 44428), (120, 44479), (122, 44491), (124, 44512), (135, 44581), (136, 44584), (139, 44599), (148, 44632), (149, 44638), (151, 44644), (161, 44686), (172, 44728), (174, 44734),

Gene: Bench_70 Start: 44210, Stop: 45178, Start Num: 6

Candidate Starts for Bench_70:

(Start: 6 @44210 has 128 MA's), (Start: 8 @44249 has 1 MA's), (Start: 11 @44255 has 1 MA's), (20, 44279), (22, 44297), (35, 44429), (38, 44444), (Start: 39 @44447 has 17 MA's), (Start: 40 @44450 has 3 MA's), (55, 44567), (57, 44585), (97, 44798), (136, 45014), (138, 45026), (140, 45032), (149, 45068),

(161, 45116), (174, 45164),

Gene: BigBubba_67 Start: 43919, Stop: 44887, Start Num: 6

Candidate Starts for BigBubba_67:

(Start: 6 @43919 has 128 MA's), (Start: 8 @43958 has 1 MA's), (Start: 11 @43964 has 1 MA's), (20, 43988), (22, 44006), (35, 44138), (38, 44153), (Start: 39 @44156 has 17 MA's), (Start: 40 @44159 has 3 MA's), (55, 44276), (57, 44294), (97, 44507), (136, 44723), (138, 44735), (140, 44741), (149, 44777), (161, 44825), (174, 44873),

Gene: BigCheese_61 Start: 43496, Stop: 44428, Start Num: 10

Candidate Starts for BigCheese_61:

(Start: 10 @43496 has 44 MA's), (Start: 40 @43694 has 3 MA's), (82, 43991), (95, 44030), (97, 44042), (100, 44048), (114, 44105), (119, 44147), (120, 44153), (134, 44252), (135, 44255), (139, 44273), (148, 44306), (149, 44312), (152, 44324), (161, 44360), (172, 44402),

Gene: BilboSwaggins_66 Start: 44548, Stop: 45516, Start Num: 6

Candidate Starts for BilboSwaggins_66:

(Start: 6 @44548 has 128 MA's), (Start: 8 @44587 has 1 MA's), (Start: 11 @44593 has 1 MA's), (20, 44617), (22, 44635), (35, 44767), (38, 44782), (Start: 39 @44785 has 17 MA's), (Start: 40 @44788 has 3 MA's), (55, 44905), (57, 44923), (97, 45136), (136, 45352), (138, 45364), (140, 45370), (149, 45406), (161, 45454), (174, 45502),

Gene: Blackbeetle_66 Start: 36700, Stop: 37653, Start Num: 9

Candidate Starts for Blackbeetle_66:

(Start: 9 @36700 has 19 MA's), (Start: 39 @36898 has 17 MA's), (54, 36991), (59, 37039), (62, 37069), (70, 37120), (76, 37153), (85, 37192), (105, 37282), (111, 37315), (112, 37318), (119, 37366), (122, 37384), (124, 37405), (134, 37471), (137, 37483), (162, 37591),

Gene: BobsGarage_61 Start: 43496, Stop: 44428, Start Num: 10

Candidate Starts for BobsGarage_61:

(Start: 10 @43496 has 44 MA's), (Start: 40 @43694 has 3 MA's), (82, 43991), (95, 44030), (97, 44042), (100, 44048), (114, 44105), (119, 44147), (120, 44153), (134, 44252), (135, 44255), (139, 44273), (148, 44306), (149, 44312), (152, 44324), (161, 44360), (172, 44402),

Gene: Bongo_56 Start: 39492, Stop: 40352, Start Num: 24

Candidate Starts for Bongo_56:

(Start: 24 @39492 has 14 MA's), (Start: 43 @39606 has 5 MA's), (77, 39864), (83, 39900), (90, 39918), (92, 39924), (93, 39930), (98, 39951), (113, 40008), (119, 40047), (120, 40053), (126, 40104), (143, 40200), (155, 40251), (159, 40266), (176, 40341), (178, 40344),

Gene: BourbonZero_61 Start: 44062, Stop: 44799, Start Num: 39

Candidate Starts for BourbonZero_61:

(Start: 39 @44062 has 17 MA's), (Start: 40 @44065 has 3 MA's), (97, 44413), (113, 44473), (114, 44476), (120, 44524), (122, 44536), (124, 44557), (131, 44593), (135, 44626), (136, 44629), (139, 44644), (148, 44677), (149, 44683), (151, 44689), (161, 44731), (172, 44773), (174, 44779),

Gene: BrainDrainer_59 Start: 42362, Stop: 43294, Start Num: 10

Candidate Starts for BrainDrainer_59:

(Start: 10 @42362 has 44 MA's), (Start: 40 @42560 has 3 MA's), (76, 42827), (82, 42857), (84, 42863), (89, 42878), (97, 42908), (100, 42914), (112, 42965), (113, 42968), (114, 42971), (119, 43013), (120, 43019), (122, 43031), (135, 43121), (139, 43139), (148, 43172), (149, 43178), (152, 43190), (161, 43226), (172, 43268),

Gene: Breezona_61 Start: 43496, Stop: 44428, Start Num: 10

Candidate Starts for Breezona_61:

(Start: 10 @43496 has 44 MA's), (Start: 40 @43694 has 3 MA's), (82, 43991), (95, 44030), (97, 44042), (100, 44048), (114, 44105), (119, 44147), (120, 44153), (134, 44252), (135, 44255), (139, 44273), (148, 44306), (149, 44312), (152, 44324), (161, 44360), (172, 44402),

Gene: Bricole_56 Start: 39474, Stop: 40334, Start Num: 24

Candidate Starts for Bricole_56:

(Start: 24 @39474 has 14 MA's), (Start: 43 @39588 has 5 MA's), (77, 39846), (83, 39882), (90, 39900), (92, 39906), (93, 39912), (98, 39933), (113, 39990), (119, 40029), (120, 40035), (126, 40086), (143, 40182), (155, 40233), (159, 40248), (176, 40323), (178, 40326),

Gene: Bromden_60 Start: 43232, Stop: 43966, Start Num: 40

Candidate Starts for Bromden_60:

(Start: 40 @43232 has 3 MA's), (66, 43451), (76, 43499), (82, 43529), (97, 43580), (100, 43586), (111, 43634), (119, 43685), (120, 43691), (122, 43703), (135, 43793), (139, 43811), (148, 43844), (149, 43850), (152, 43862), (161, 43898), (169, 43931),

Gene: Bruin_64 Start: 43083, Stop: 44051, Start Num: 6

Candidate Starts for Bruin_64:

(Start: 6 @43083 has 128 MA's), (Start: 8 @43122 has 1 MA's), (Start: 11 @43128 has 1 MA's), (20, 43152), (22, 43170), (35, 43302), (38, 43317), (Start: 39 @43320 has 17 MA's), (Start: 40 @43323 has 3 MA's), (55, 43440), (57, 43458), (97, 43671), (136, 43887), (138, 43899), (140, 43905), (149, 43941), (161, 43989), (174, 44037),

Gene: Buck_68 Start: 44791, Stop: 45759, Start Num: 6

Candidate Starts for Buck_68:

(Start: 6 @44791 has 128 MA's), (Start: 8 @44830 has 1 MA's), (Start: 11 @44836 has 1 MA's), (20, 44860), (22, 44878), (35, 45010), (38, 45025), (Start: 39 @45028 has 17 MA's), (Start: 40 @45031 has 3 MA's), (55, 45148), (57, 45166), (97, 45379), (136, 45595), (138, 45607), (140, 45613), (149, 45649), (161, 45697), (174, 45745),

Gene: BugsBunny_67 Start: 44618, Stop: 45586, Start Num: 6

Candidate Starts for BugsBunny_67:

(Start: 6 @44618 has 128 MA's), (Start: 8 @44657 has 1 MA's), (Start: 11 @44663 has 1 MA's), (20, 44687), (22, 44705), (35, 44837), (38, 44852), (Start: 39 @44855 has 17 MA's), (Start: 40 @44858 has 3 MA's), (55, 44975), (57, 44993), (97, 45206), (136, 45422), (138, 45434), (140, 45440), (149, 45476), (161, 45524), (174, 45572),

Gene: Cactus_70 Start: 43564, Stop: 44532, Start Num: 6

Candidate Starts for Cactus_70:

(Start: 6 @43564 has 128 MA's), (Start: 8 @43603 has 1 MA's), (Start: 11 @43609 has 1 MA's), (20, 43633), (22, 43651), (35, 43783), (38, 43798), (Start: 39 @43801 has 17 MA's), (Start: 40 @43804 has 3 MA's), (55, 43921), (57, 43939), (97, 44152), (136, 44368), (138, 44380), (140, 44386), (149, 44422), (161, 44470), (174, 44518),

Gene: Caelum_32 Start: 24614, Stop: 25366, Start Num: 44

Candidate Starts for Caelum_32:

(19, 24422), (Start: 44 @24614 has 1 MA's), (63, 24791), (73, 24845), (74, 24857), (75, 24860), (84, 24902), (91, 24923), (120, 25043), (123, 25061), (142, 25187), (144, 25196), (150, 25226), (154, 25244), (158, 25253), (177, 25337), (180, 25349),

Gene: Calm_60 Start: 41867, Stop: 42850, Start Num: 6

Candidate Starts for Calm_60:

(Start: 6 @41867 has 128 MA's), (Start: 10 @41909 has 44 MA's), (15, 41930), (Start: 40 @42116 has 3 MA's), (82, 42413), (84, 42419), (91, 42440), (95, 42452), (97, 42464), (111, 42518), (113, 42524), (119, 42569), (120, 42575), (122, 42587), (134, 42674), (135, 42677), (136, 42680), (139, 42695), (148, 42728), (151, 42740), (152, 42746), (161, 42782), (169, 42815), (172, 42824),

Gene: Caprice_61 Start: 37014, Stop: 37967, Start Num: 9

Candidate Starts for Caprice_61:

(Start: 9 @37014 has 19 MA's), (Start: 39 @37212 has 17 MA's), (54, 37305), (59, 37353), (62, 37383), (70, 37434), (76, 37467), (85, 37506), (105, 37596), (111, 37629), (112, 37632), (119, 37680), (122, 37698), (124, 37719), (134, 37785), (137, 37797), (162, 37905),

Gene: Catfish_44 Start: 31656, Stop: 32582, Start Num: 9

Candidate Starts for Catfish_44:

(Start: 9 @31656 has 19 MA's), (Start: 29 @31797 has 2 MA's), (36, 31842), (37, 31845), (48, 31893), (53, 31935), (63, 32025), (67, 32052), (76, 32097), (79, 32112), (87, 32139), (96, 32166), (101, 32178), (124, 32289), (131, 32325), (134, 32355), (156, 32445), (159, 32457), (172, 32505), (173, 32508), (175, 32526),

Gene: Chaser_57 Start: 42134, Stop: 43066, Start Num: 10

Candidate Starts for Chaser_57:

(Start: 10 @42134 has 44 MA's), (Start: 40 @42332 has 3 MA's), (76, 42599), (82, 42629), (84, 42635), (89, 42650), (97, 42680), (100, 42686), (113, 42740), (114, 42743), (119, 42785), (120, 42791), (122, 42803), (135, 42893), (139, 42911), (148, 42944), (149, 42950), (152, 42962), (161, 42998), (172, 43040),

Gene: ChosenOne_67 Start: 43567, Stop: 44535, Start Num: 6

Candidate Starts for ChosenOne_67:

(Start: 6 @43567 has 128 MA's), (Start: 8 @43606 has 1 MA's), (Start: 11 @43612 has 1 MA's), (20, 43636), (22, 43654), (35, 43786), (38, 43801), (Start: 39 @43804 has 17 MA's), (Start: 40 @43807 has 3 MA's), (55, 43924), (57, 43942), (97, 44155), (136, 44371), (138, 44383), (140, 44389), (149, 44425), (161, 44473), (174, 44521),

Gene: ChotaBhai_67 Start: 43879, Stop: 44847, Start Num: 6

Candidate Starts for ChotaBhai_67:

(Start: 6 @43879 has 128 MA's), (Start: 8 @43918 has 1 MA's), (Start: 11 @43924 has 1 MA's), (20, 43948), (22, 43966), (35, 44098), (38, 44113), (Start: 39 @44116 has 17 MA's), (Start: 40 @44119 has 3 MA's), (55, 44236), (57, 44254), (97, 44467), (136, 44683), (138, 44695), (140, 44701), (149, 44737), (161, 44785), (174, 44833),

Gene: CicholasNage_58 Start: 41483, Stop: 42415, Start Num: 10

Candidate Starts for CicholasNage_58:

(Start: 10 @41483 has 44 MA's), (Start: 40 @41681 has 3 MA's), (82, 41978), (84, 41984), (91, 42005), (95, 42017), (97, 42029), (111, 42083), (113, 42089), (119, 42134), (120, 42140), (122, 42152), (134, 42239), (135, 42242), (136, 42245), (139, 42260), (152, 42311), (161, 42347), (172, 42389),

Gene: Cjw1_67 Start: 45264, Stop: 46232, Start Num: 6

Candidate Starts for Cjw1_67:

(Start: 6 @45264 has 128 MA's), (Start: 8 @45303 has 1 MA's), (Start: 11 @45309 has 1 MA's), (20, 45333), (22, 45351), (35, 45483), (38, 45498), (Start: 39 @45501 has 17 MA's), (Start: 40 @45504 has 3 MA's), (55, 45621), (57, 45639), (97, 45852), (136, 46068), (138, 46080), (140, 46086), (149, 46122), (161, 46170), (174, 46218),

Gene: Clarkson_67 Start: 37383, Stop: 38336, Start Num: 9

Candidate Starts for Clarkson_67:

(Start: 9 @37383 has 19 MA's), (Start: 39 @37581 has 17 MA's), (54, 37674), (59, 37722), (62, 37752), (70, 37803), (76, 37836), (85, 37875), (105, 37965), (111, 37998), (112, 38001), (119, 38049), (122, 38067), (124, 38088), (134, 38154), (137, 38166), (162, 38274),

Gene: Claus_61 Start: 43577, Stop: 44509, Start Num: 10

Candidate Starts for Claus_61:

(Start: 10 @43577 has 44 MA's), (Start: 40 @43775 has 3 MA's), (82, 44072), (95, 44111), (97, 44123), (100, 44129), (113, 44183), (114, 44186), (119, 44228), (122, 44246), (124, 44267), (134, 44333), (135, 44336), (139, 44354), (152, 44405), (155, 44417), (161, 44441), (172, 44483),

Gene: Clautastrophe_60 Start: 44014, Stop: 44751, Start Num: 39

Candidate Starts for Clautastrophe_60:

(Start: 39 @44014 has 17 MA's), (Start: 40 @44017 has 3 MA's), (97, 44365), (108, 44401), (111, 44419), (113, 44425), (120, 44476), (122, 44488), (124, 44509), (135, 44578), (136, 44581), (139, 44596), (148, 44629), (149, 44635), (151, 44641), (161, 44683), (172, 44725), (174, 44731),

Gene: Command613_69 Start: 44603, Stop: 45571, Start Num: 6

Candidate Starts for Command613_69:

(Start: 6 @44603 has 128 MA's), (Start: 8 @44642 has 1 MA's), (Start: 11 @44648 has 1 MA's), (20, 44672), (22, 44690), (35, 44822), (38, 44837), (Start: 39 @44840 has 17 MA's), (Start: 40 @44843 has 3 MA's), (55, 44960), (57, 44978), (97, 45191), (136, 45407), (138, 45419), (140, 45425), (149, 45461), (161, 45509), (174, 45557),

Gene: Contagion_63 Start: 43364, Stop: 44332, Start Num: 6

Candidate Starts for Contagion_63:

(Start: 6 @43364 has 128 MA's), (Start: 8 @43403 has 1 MA's), (Start: 11 @43409 has 1 MA's), (20, 43433), (22, 43451), (35, 43583), (38, 43598), (Start: 39 @43601 has 17 MA's), (Start: 40 @43604 has 3 MA's), (55, 43721), (57, 43739), (97, 43952), (136, 44168), (138, 44180), (140, 44186), (149, 44222), (161, 44270), (174, 44318),

Gene: Cookies_64 Start: 43733, Stop: 44701, Start Num: 6

Candidate Starts for Cookies_64:

(Start: 6 @43733 has 128 MA's), (Start: 8 @43772 has 1 MA's), (Start: 11 @43778 has 1 MA's), (20, 43802), (22, 43820), (35, 43952), (38, 43967), (Start: 39 @43970 has 17 MA's), (Start: 40 @43973 has 3 MA's), (55, 44090), (57, 44108), (97, 44321), (136, 44537), (138, 44549), (140, 44555), (149, 44591), (161, 44639), (174, 44687),

Gene: Corazon_64 Start: 37577, Stop: 38530, Start Num: 9

Candidate Starts for Corazon_64:

(Start: 9 @37577 has 19 MA's), (Start: 39 @37775 has 17 MA's), (54, 37868), (59, 37916), (62, 37946), (70, 37997), (76, 38030), (85, 38069), (105, 38159), (111, 38192), (112, 38195), (119, 38243), (122, 38261), (124, 38282), (134, 38348), (137, 38360), (162, 38468),

Gene: Cosmo_68 Start: 44692, Stop: 45597, Start Num: 23

Candidate Starts for Cosmo_68:

(Start: 23 @44692 has 6 MA's), (42, 44845), (Start: 44 @44854 has 1 MA's), (46, 44860), (51, 44890), (52, 44902), (55, 44953), (67, 45061), (72, 45082), (74, 45097), (86, 45145), (103, 45211), (106, 45220), (117, 45277), (143, 45445), (146, 45463), (162, 45529), (164, 45535), (168, 45550), (176, 45586),

Gene: Crossroads_61 Start: 43574, Stop: 44506, Start Num: 10

Candidate Starts for Crossroads_61:

(Start: 10 @43574 has 44 MA's), (Start: 40 @43772 has 3 MA's), (82, 44069), (95, 44108), (97, 44120), (100, 44126), (114, 44183), (119, 44225), (120, 44231), (134, 44330), (135, 44333), (139, 44351), (148, 44384), (149, 44390), (152, 44402), (161, 44438), (172, 44480),

Gene: CrystalP_66 Start: 44548, Stop: 45516, Start Num: 6

Candidate Starts for CrystalP_66:

(Start: 6 @44548 has 128 MA's), (Start: 8 @44587 has 1 MA's), (Start: 11 @44593 has 1 MA's), (20, 44617), (22, 44635), (35, 44767), (38, 44782), (Start: 39 @44785 has 17 MA's), (Start: 40 @44788 has 3 MA's), (55, 44905), (57, 44923), (97, 45136), (136, 45352), (138, 45364), (140, 45370), (149, 45406), (161, 45454), (174, 45502),

Gene: Czyszczone1_68 Start: 44073, Stop: 45041, Start Num: 6

Candidate Starts for Czyszczone1_68:

(Start: 6 @44073 has 128 MA's), (Start: 8 @44112 has 1 MA's), (Start: 11 @44118 has 1 MA's), (20, 44142), (22, 44160), (35, 44292), (38, 44307), (Start: 39 @44310 has 17 MA's), (Start: 40 @44313 has 3 MA's), (55, 44430), (57, 44448), (97, 44661), (136, 44877), (138, 44889), (140, 44895), (149, 44931), (161, 44979), (174, 45027),

Gene: DHan_62 Start: 43477, Stop: 44409, Start Num: 10

Candidate Starts for DHan_62:

(Start: 10 @43477 has 44 MA's), (Start: 40 @43675 has 3 MA's), (82, 43972), (95, 44011), (97, 44023), (113, 44083), (114, 44086), (119, 44128), (122, 44146), (124, 44167), (134, 44233), (135, 44236), (139, 44254), (152, 44305), (155, 44317), (161, 44341), (172, 44383),

Gene: DS6A_69 Start: 44787, Stop: 45914, Start Num: 17

Candidate Starts for DS6A_69:

(16, 44781), (Start: 17 @44787 has 1 MA's), (25, 44880), (Start: 44 @44988 has 1 MA's), (58, 45102), (59, 45126), (67, 45189), (94, 45303), (99, 45321), (104, 45345), (107, 45351), (121, 45432), (125, 45459), (130, 45492), (131, 45504), (141, 45555), (147, 45582), (157, 45618), (171, 45675), (176, 45702), (179, 45714), (181, 45849), (182, 45876), (183, 45897), (184, 45906),

Gene: Daikon_69 Start: 44691, Stop: 45659, Start Num: 6

Candidate Starts for Daikon_69:

(Start: 6 @44691 has 128 MA's), (Start: 8 @44730 has 1 MA's), (Start: 11 @44736 has 1 MA's), (20, 44760), (22, 44778), (35, 44910), (38, 44925), (Start: 39 @44928 has 17 MA's), (Start: 40 @44931 has 3 MA's), (55, 45048), (57, 45066), (97, 45279), (136, 45495), (138, 45507), (140, 45513), (149, 45549), (161, 45597), (174, 45645),

Gene: DanBing_61 Start: 43446, Stop: 44378, Start Num: 10

Candidate Starts for DanBing_61:

(Start: 10 @43446 has 44 MA's), (Start: 40 @43644 has 3 MA's), (82, 43941), (95, 43980), (97, 43992), (113, 44052), (114, 44055), (119, 44097), (122, 44115), (124, 44136), (134, 44202), (135, 44205), (139, 44223), (152, 44274), (155, 44286), (161, 44310), (172, 44352),

Gene: Diminimus_57 Start: 39487, Stop: 40347, Start Num: 24

Candidate Starts for Diminimus_57:

(Start: 24 @39487 has 14 MA's), (Start: 43 @39601 has 5 MA's), (77, 39859), (83, 39895), (90, 39913), (92, 39919), (93, 39925), (98, 39946), (113, 40003), (119, 40042), (120, 40048), (126, 40099), (143, 40195), (155, 40246), (159, 40261), (176, 40336), (178, 40339),

Gene: DirkDirk_56 Start: 41325, Stop: 42257, Start Num: 10

Candidate Starts for DirkDirk_56:

(Start: 10 @41325 has 44 MA's), (Start: 40 @41523 has 3 MA's), (82, 41820), (84, 41826), (91, 41847), (95, 41859), (97, 41871), (111, 41925), (113, 41931), (119, 41976), (120, 41982), (122, 41994), (134, 42081), (135, 42084), (136, 42087), (139, 42102), (148, 42135), (151, 42147), (152, 42153), (161, 42189), (169, 42222), (172, 42231),

Gene: DoctorDiddles_66 Start: 43923, Stop: 44891, Start Num: 6

Candidate Starts for DoctorDiddles_66:

(Start: 6 @43923 has 128 MA's), (Start: 8 @43962 has 1 MA's), (Start: 11 @43968 has 1 MA's), (20, 43992), (22, 44010), (35, 44142), (38, 44157), (Start: 39 @44160 has 17 MA's), (Start: 40 @44163 has 3 MA's), (55, 44280), (57, 44298), (97, 44511), (136, 44727), (138, 44739), (140, 44745), (149, 44781), (161, 44829), (174, 44877),

Gene: Douge_59 Start: 42140, Stop: 43072, Start Num: 10

Candidate Starts for Douge_59:

(Start: 10 @42140 has 44 MA's), (Start: 40 @42338 has 3 MA's), (76, 42605), (82, 42635), (84, 42641), (89, 42656), (97, 42686), (100, 42692), (113, 42746), (114, 42749), (119, 42791), (120, 42797), (122, 42809), (135, 42899), (139, 42917), (148, 42950), (149, 42956), (152, 42968), (161, 43004), (172, 43046),

Gene: Douzhi_59 Start: 42190, Stop: 43122, Start Num: 10

Candidate Starts for Douzhi_59:

(Start: 10 @42190 has 44 MA's), (Start: 40 @42388 has 3 MA's), (76, 42655), (82, 42685), (84, 42691), (89, 42706), (97, 42736), (100, 42742), (113, 42796), (114, 42799), (119, 42841), (120, 42847), (122, 42859), (135, 42949), (139, 42967), (148, 43000), (149, 43006), (152, 43018), (161, 43054), (172, 43096),

Gene: DrDrey_67 Start: 44989, Stop: 45957, Start Num: 6

Candidate Starts for DrDrey_67:

(Start: 6 @44989 has 128 MA's), (Start: 8 @45028 has 1 MA's), (Start: 11 @45034 has 1 MA's), (20, 45058), (22, 45076), (35, 45208), (38, 45223), (Start: 39 @45226 has 17 MA's), (Start: 40 @45229 has 3 MA's), (55, 45346), (57, 45364), (97, 45577), (136, 45793), (138, 45805), (140, 45811), (149, 45847), (161, 45895), (174, 45943),

Gene: DrSeegs_61 Start: 43496, Stop: 44428, Start Num: 10

Candidate Starts for DrSeegs_61:

(Start: 10 @43496 has 44 MA's), (Start: 40 @43694 has 3 MA's), (82, 43991), (95, 44030), (97, 44042), (100, 44048), (114, 44105), (119, 44147), (120, 44153), (134, 44252), (135, 44255), (139, 44273), (148, 44306), (149, 44312), (152, 44324), (161, 44360), (172, 44402),

Gene: Dulcita_57 Start: 39488, Stop: 40348, Start Num: 24

Candidate Starts for Dulcita_57:

(Start: 24 @39488 has 14 MA's), (Start: 43 @39602 has 5 MA's), (77, 39860), (83, 39896), (90, 39914), (92, 39920), (93, 39926), (98, 39947), (113, 40004), (119, 40043), (120, 40049), (126, 40100), (143, 40196), (155, 40247), (159, 40262), (176, 40337), (178, 40340),

Gene: Dumbo_67 Start: 43472, Stop: 44440, Start Num: 6

Candidate Starts for Dumbo_67:

(Start: 6 @43472 has 128 MA's), (Start: 8 @43511 has 1 MA's), (Start: 11 @43517 has 1 MA's), (20, 43541), (22, 43559), (35, 43691), (38, 43706), (Start: 39 @43709 has 17 MA's), (Start: 40 @43712 has 3 MA's), (55, 43829), (57, 43847), (97, 44060), (136, 44276), (138, 44288), (140, 44294), (149, 44330), (161, 44378), (174, 44426),

Gene: DuncansLeg_61 Start: 44050, Stop: 44787, Start Num: 39

Candidate Starts for DuncansLeg_61:

(Start: 39 @44050 has 17 MA's), (Start: 40 @44053 has 3 MA's), (97, 44401), (100, 44407), (108, 44437), (113, 44461), (114, 44464), (120, 44512), (122, 44524), (124, 44545), (135, 44614), (136, 44617), (139, 44632), (148, 44665), (149, 44671), (151, 44677), (155, 44695), (161, 44719), (172, 44761), (174, 44767),

Gene: Dusk_64 Start: 43769, Stop: 44737, Start Num: 6

Candidate Starts for Dusk_64:

(Start: 6 @43769 has 128 MA's), (Start: 8 @43808 has 1 MA's), (Start: 11 @43814 has 1 MA's), (20, 43838), (22, 43856), (35, 43988), (38, 44003), (Start: 39 @44006 has 17 MA's), (Start: 40 @44009 has 3 MA's), (55, 44126), (57, 44144), (97, 44357), (136, 44573), (138, 44585), (140, 44591), (149, 44627), (161, 44675), (174, 44723),

Gene: DyoEdafos_61 Start: 42419, Stop: 43351, Start Num: 11

Candidate Starts for DyoEdafos_61:

(Start: 11 @42419 has 1 MA's), (Start: 40 @42617 has 3 MA's), (76, 42884), (82, 42914), (84, 42920), (97, 42965), (100, 42971), (113, 43025), (114, 43028), (119, 43070), (120, 43076), (122, 43088), (135, 43178), (139, 43196), (148, 43229), (149, 43235), (152, 43247), (161, 43283), (172, 43325),

Gene: Easy2Say_68 Start: 45010, Stop: 45978, Start Num: 6

Candidate Starts for Easy2Say_68:

(Start: 6 @45010 has 128 MA's), (Start: 8 @45049 has 1 MA's), (Start: 11 @45055 has 1 MA's), (20, 45079), (22, 45097), (35, 45229), (38, 45244), (Start: 39 @45247 has 17 MA's), (Start: 40 @45250 has 3 MA's), (55, 45367), (57, 45385), (97, 45598), (136, 45814), (138, 45826), (140, 45832), (149, 45868), (161, 45916), (174, 45964),

Gene: Elite2014_66 Start: 43566, Stop: 44534, Start Num: 6

Candidate Starts for Elite2014_66:

(Start: 6 @43566 has 128 MA's), (Start: 8 @43605 has 1 MA's), (Start: 11 @43611 has 1 MA's), (20, 43635), (22, 43653), (35, 43785), (38, 43800), (Start: 39 @43803 has 17 MA's), (Start: 40 @43806 has 3 MA's), (55, 43923), (57, 43941), (97, 44154), (136, 44370), (138, 44382), (140, 44388), (149, 44424), (161, 44472), (174, 44520),

Gene: Ellson_60 Start: 44078, Stop: 44815, Start Num: 39

Candidate Starts for Ellson_60:

(Start: 39 @44078 has 17 MA's), (Start: 40 @44081 has 3 MA's), (97, 44429), (113, 44489), (114, 44492), (120, 44540), (122, 44552), (124, 44573), (131, 44609), (135, 44642), (136, 44645), (139, 44660), (148, 44693), (149, 44699), (151, 44705), (161, 44747), (172, 44789), (174, 44795),

Gene: Elph10_67 Start: 43571, Stop: 44539, Start Num: 6

Candidate Starts for Elph10_67:

(Start: 6 @43571 has 128 MA's), (Start: 8 @43610 has 1 MA's), (Start: 11 @43616 has 1 MA's), (20, 43640), (22, 43658), (35, 43790), (38, 43805), (Start: 39 @43808 has 17 MA's), (Start: 40 @43811 has 3 MA's), (55, 43928), (57, 43946), (97, 44159), (136, 44375), (138, 44387), (140, 44393), (149, 44429), (161, 44477), (174, 44525),

Gene: Emmina_67 Start: 43473, Stop: 44441, Start Num: 6

Candidate Starts for Emmina_67:

(Start: 6 @43473 has 128 MA's), (Start: 8 @43512 has 1 MA's), (Start: 11 @43518 has 1 MA's), (20, 43542), (22, 43560), (35, 43692), (38, 43707), (Start: 39 @43710 has 17 MA's), (Start: 40 @43713 has 3 MA's), (55, 43830), (57, 43848), (97, 44061), (136, 44277), (138, 44289), (140, 44295), (149, 44331), (161, 44379), (174, 44427),

Gene: Enceladus_57 Start: 41518, Stop: 42252, Start Num: 40

Candidate Starts for Enceladus_57:

(Start: 10 @41320 has 44 MA's), (Start: 40 @41518 has 3 MA's), (82, 41815), (84, 41821), (91, 41842), (95, 41854), (97, 41866), (111, 41920), (113, 41926), (119, 41971), (120, 41977), (122, 41989), (134, 42076), (135, 42079), (136, 42082), (139, 42097), (148, 42130), (151, 42142), (152, 42148), (161, 42184), (169, 42217), (172, 42226),

Gene: EniyanLRS_64 Start: 44431, Stop: 45336, Start Num: 23

Candidate Starts for EniyanLRS_64:

(14, 44380), (18, 44392), (21, 44416), (Start: 23 @44431 has 6 MA's), (42, 44584), (Start: 44 @44593 has 1 MA's), (46, 44599), (51, 44629), (52, 44641), (55, 44692), (61, 44758), (67, 44800), (68, 44812), (72, 44821), (74, 44836), (86, 44884), (103, 44950), (106, 44959), (117, 45016), (143, 45184), (146, 45202), (162, 45268), (164, 45274), (168, 45289), (176, 45325),

Gene: Estes_64 Start: 41895, Stop: 42641, Start Num: 43

Candidate Starts for Estes_64:

(Start: 43 @41895 has 5 MA's), (88, 42201), (90, 42207), (92, 42213), (98, 42240), (113, 42297), (119, 42336), (120, 42342), (127, 42396), (128, 42399), (143, 42489), (149, 42516), (171, 42603), (176, 42630),

Gene: Eureka_65 Start: 44037, Stop: 45005, Start Num: 6

Candidate Starts for Eureka_65:

(Start: 6 @44037 has 128 MA's), (Start: 8 @44076 has 1 MA's), (Start: 11 @44082 has 1 MA's), (20, 44106), (22, 44124), (35, 44256), (38, 44271), (Start: 39 @44274 has 17 MA's), (Start: 40 @44277 has 3 MA's), (55, 44394), (57, 44412), (97, 44625), (136, 44841), (138, 44853), (140, 44859), (149, 44895), (161, 44943), (174, 44991),

Gene: FairyPath_67 Start: 44682, Stop: 45650, Start Num: 6

Candidate Starts for FairyPath_67:

(Start: 6 @44682 has 128 MA's), (Start: 8 @44721 has 1 MA's), (Start: 11 @44727 has 1 MA's), (20, 44751), (22, 44769), (35, 44901), (38, 44916), (Start: 39 @44919 has 17 MA's), (Start: 40 @44922 has 3 MA's), (55, 45039), (57, 45057), (97, 45270), (136, 45486), (138, 45498), (140, 45504), (149, 45540), (161, 45588), (174, 45636),

Gene: Faith1_61 Start: 43496, Stop: 44428, Start Num: 10

Candidate Starts for Faith1_61:

(Start: 10 @43496 has 44 MA's), (Start: 40 @43694 has 3 MA's), (82, 43991), (95, 44030), (97, 44042), (100, 44048), (114, 44105), (119, 44147), (120, 44153), (134, 44252), (135, 44255), (139, 44273), (148, 44306), (149, 44312), (152, 44324), (161, 44360), (172, 44402),

Gene: FarmResident_61 Start: 42354, Stop: 43088, Start Num: 40

Candidate Starts for FarmResident_61:

(Start: 10 @42156 has 44 MA's), (Start: 40 @42354 has 3 MA's), (76, 42621), (82, 42651), (84, 42657), (89, 42672), (97, 42702), (100, 42708), (113, 42762), (114, 42765), (119, 42807), (120, 42813), (122, 42825), (135, 42915), (139, 42933), (148, 42966), (149, 42972), (152, 42984), (161, 43020), (172, 43062),

Gene: FeliMaine_68 Start: 37625, Stop: 38578, Start Num: 9

Candidate Starts for FeliMaine_68:

(Start: 9 @37625 has 19 MA's), (Start: 39 @37823 has 17 MA's), (54, 37916), (59, 37964), (62, 37994), (70, 38045), (76, 38078), (85, 38117), (105, 38207), (111, 38240), (112, 38243), (119, 38291), (122, 38309), (124, 38330), (134, 38396), (137, 38408), (162, 38516),

Gene: Filch_68 Start: 43498, Stop: 44466, Start Num: 6

Candidate Starts for Filch_68:

(Start: 6 @43498 has 128 MA's), (Start: 8 @43537 has 1 MA's), (Start: 11 @43543 has 1 MA's), (20, 43567), (22, 43585), (35, 43717), (38, 43732), (Start: 39 @43735 has 17 MA's), (Start: 40 @43738 has 3 MA's), (55, 43855), (57, 43873), (97, 44086), (136, 44302), (138, 44314), (140, 44320), (149, 44356), (161, 44404), (174, 44452),

Gene: Finemlucis_61 Start: 43817, Stop: 44749, Start Num: 10

Candidate Starts for Finemlucis_61:

(Start: 10 @43817 has 44 MA's), (Start: 40 @44015 has 3 MA's), (82, 44312), (95, 44351), (97, 44363), (100, 44369), (114, 44426), (119, 44468), (120, 44474), (134, 44573), (135, 44576), (139, 44594), (148, 44627), (149, 44633), (152, 44645), (161, 44681), (172, 44723),

Gene: Finnry_61 Start: 44278, Stop: 45015, Start Num: 39

Candidate Starts for Finnry_61:

(Start: 39 @44278 has 17 MA's), (Start: 40 @44281 has 3 MA's), (97, 44629), (108, 44665), (111, 44683), (113, 44689), (120, 44740), (122, 44752), (124, 44773), (135, 44842), (136, 44845), (139, 44860), (148, 44893), (149, 44899), (151, 44905), (161, 44947), (172, 44989), (174, 44995),

Gene: FireRed_71 Start: 45060, Stop: 46028, Start Num: 6

Candidate Starts for FireRed_71:

(Start: 6 @45060 has 128 MA's), (Start: 8 @45099 has 1 MA's), (Start: 11 @45105 has 1 MA's), (20, 45129), (22, 45147), (35, 45279), (38, 45294), (Start: 39 @45297 has 17 MA's), (Start: 40 @45300 has 3 MA's), (55, 45417), (57, 45435), (97, 45648), (136, 45864), (138, 45876), (140, 45882), (149, 45918), (161, 45966), (174, 46014),

Gene: Flypotenuse_63 Start: 43554, Stop: 44522, Start Num: 6

Candidate Starts for Flypotenuse_63:

(Start: 6 @43554 has 128 MA's), (Start: 8 @43593 has 1 MA's), (Start: 11 @43599 has 1 MA's), (20, 43623), (22, 43641), (35, 43773), (38, 43788), (Start: 39 @43791 has 17 MA's), (Start: 40 @43794 has 3 MA's), (55, 43911), (57, 43929), (97, 44142), (136, 44358), (138, 44370), (140, 44376), (149, 44412), (161, 44460), (174, 44508),

Gene: FoghornLeghorn_61 Start: 42564, Stop: 43532, Start Num: 6

Candidate Starts for FoghornLeghorn_61:

(Start: 6 @42564 has 128 MA's), (Start: 8 @42603 has 1 MA's), (Start: 11 @42609 has 1 MA's), (20, 42633), (22, 42651), (35, 42783), (38, 42798), (Start: 39 @42801 has 17 MA's), (Start: 40 @42804 has 3 MA's), (55, 42921), (57, 42939), (97, 43152), (136, 43368), (138, 43380), (140, 43386), (149, 43422), (161, 43470), (174, 43518),

Gene: FreakyGoo_57 Start: 39488, Stop: 40348, Start Num: 24

Candidate Starts for FreakyGoo_57:

(Start: 24 @39488 has 14 MA's), (Start: 43 @39602 has 5 MA's), (77, 39860), (83, 39896), (90, 39914), (92, 39920), (93, 39926), (98, 39947), (113, 40004), (119, 40043), (120, 40049), (126, 40100), (143, 40196), (155, 40247), (159, 40262), (176, 40337), (178, 40340),

Gene: Fryberger_82 Start: 43615, Stop: 44385, Start Num: 27

Candidate Starts for Fryberger_82:

(Start: 27 @43615 has 6 MA's), (34, 43660), (38, 43681), (47, 43720), (48, 43723), (56, 43804), (67, 43894), (68, 43906), (72, 43915), (84, 43975), (95, 44008), (97, 44020), (112, 44086), (114, 44092), (120, 44131), (134, 44230), (135, 44233), (148, 44284),

Gene: Gabriela_58 Start: 41946, Stop: 42878, Start Num: 10

Candidate Starts for Gabriela_58:

(Start: 10 @41946 has 44 MA's), (Start: 40 @42144 has 3 MA's), (82, 42441), (95, 42480), (97, 42492), (100, 42498), (114, 42555), (119, 42597), (120, 42603), (134, 42702), (135, 42705), (139, 42723), (148, 42756), (149, 42762), (152, 42774), (161, 42810), (172, 42852),

Gene: Gage_69 Start: 44344, Stop: 45312, Start Num: 6

Candidate Starts for Gage_69:

(Start: 6 @44344 has 128 MA's), (Start: 8 @44383 has 1 MA's), (Start: 11 @44389 has 1 MA's), (20, 44413), (22, 44431), (35, 44563), (38, 44578), (Start: 39 @44581 has 17 MA's), (Start: 40 @44584 has 3 MA's), (55, 44701), (57, 44719), (97, 44932), (136, 45148), (138, 45160), (140, 45166), (149, 45202), (161, 45250), (174, 45298),

Gene: Gardann_62 Start: 43532, Stop: 44464, Start Num: 10

Candidate Starts for Gardann_62:

(Start: 10 @43532 has 44 MA's), (Start: 40 @43730 has 3 MA's), (82, 44027), (95, 44066), (97, 44078), (100, 44084), (114, 44141), (119, 44183), (120, 44189), (134, 44288), (135, 44291), (139, 44309), (148, 44342), (149, 44348), (152, 44360), (161, 44396), (172, 44438),

Gene: GardenSalsa_64 Start: 42057, Stop: 42803, Start Num: 43

Candidate Starts for GardenSalsa_64:

(Start: 43 @42057 has 5 MA's), (88, 42363), (90, 42369), (92, 42375), (98, 42402), (113, 42459), (119, 42498), (120, 42504), (127, 42558), (128, 42561), (143, 42651), (149, 42678), (171, 42765), (176, 42792),

Gene: Gator_65 Start: 44400, Stop: 45368, Start Num: 6

Candidate Starts for Gator_65:

(Start: 6 @44400 has 128 MA's), (Start: 8 @44439 has 1 MA's), (Start: 11 @44445 has 1 MA's), (20, 44469), (22, 44487), (35, 44619), (38, 44634), (Start: 39 @44637 has 17 MA's), (Start: 40 @44640 has 3 MA's), (55, 44757), (57, 44775), (97, 44988), (136, 45204), (138, 45216), (140, 45222), (149, 45258), (161, 45306), (174, 45354),

Gene: Gattaca_64 Start: 36804, Stop: 37757, Start Num: 9

Candidate Starts for Gattaca_64:

(Start: 9 @36804 has 19 MA's), (Start: 39 @37002 has 17 MA's), (54, 37095), (59, 37143), (62, 37173), (70, 37224), (76, 37257), (85, 37296), (105, 37386), (111, 37419), (112, 37422), (119, 37470), (122, 37488), (124, 37509), (134, 37575), (137, 37587), (162, 37695),

Gene: Gemini_72 Start: 44861, Stop: 45829, Start Num: 6

Candidate Starts for Gemini_72:

(Start: 6 @44861 has 128 MA's), (Start: 8 @44900 has 1 MA's), (Start: 11 @44906 has 1 MA's), (20, 44930), (22, 44948), (35, 45080), (38, 45095), (Start: 39 @45098 has 17 MA's), (Start: 40 @45101 has 3 MA's), (55, 45218), (57, 45236), (97, 45449), (136, 45665), (138, 45677), (140, 45683), (149, 45719), (161, 45767), (174, 45815),

Gene: GenevaB15_63 Start: 41623, Stop: 42369, Start Num: 43

Candidate Starts for GenevaB15_63:

(Start: 43 @41623 has 5 MA's), (68, 41845), (88, 41929), (90, 41935), (92, 41941), (98, 41968), (113, 42025), (119, 42064), (120, 42070), (127, 42124), (128, 42127), (143, 42217), (149, 42244), (171, 42331), (176, 42358),

Gene: Glaske16_57 Start: 39487, Stop: 40347, Start Num: 24

Candidate Starts for Glaske16_57:

(Start: 24 @39487 has 14 MA's), (Start: 43 @39601 has 5 MA's), (77, 39859), (83, 39895), (90, 39913), (92, 39919), (93, 39925), (98, 39946), (113, 40003), (119, 40042), (120, 40048), (126, 40099), (143, 40195), (155, 40246), (159, 40261), (176, 40336), (178, 40339),

Gene: Glexan_66 Start: 44681, Stop: 45649, Start Num: 6

Candidate Starts for Glexan_66:

(Start: 6 @44681 has 128 MA's), (Start: 8 @44720 has 1 MA's), (Start: 11 @44726 has 1 MA's), (20, 44750), (22, 44768), (35, 44900), (38, 44915), (Start: 39 @44918 has 17 MA's), (Start: 40 @44921 has 3 MA's), (55, 45038), (57, 45056), (97, 45269), (136, 45485), (138, 45497), (140, 45503), (149, 45539), (161, 45587), (174, 45635),

Gene: Goku_65 Start: 43766, Stop: 44734, Start Num: 6

Candidate Starts for Goku_65:

(Start: 6 @43766 has 128 MA's), (Start: 8 @43805 has 1 MA's), (Start: 11 @43811 has 1 MA's), (20, 43835), (22, 43853), (35, 43985), (38, 44000), (Start: 39 @44003 has 17 MA's), (Start: 40 @44006 has 3 MA's), (55, 44123), (57, 44141), (97, 44354), (136, 44570), (138, 44582), (140, 44588), (149, 44624), (161, 44672), (174, 44720),

Gene: GoldenSpark_71 Start: 44344, Stop: 45312, Start Num: 6

Candidate Starts for GoldenSpark_71:

(Start: 6 @44344 has 128 MA's), (Start: 8 @44383 has 1 MA's), (Start: 11 @44389 has 1 MA's), (20, 44413), (22, 44431), (35, 44563), (38, 44578), (Start: 39 @44581 has 17 MA's), (Start: 40 @44584 has 3 MA's), (55, 44701), (57, 44719), (97, 44932), (136, 45148), (138, 45160), (140, 45166), (149, 45202), (161, 45250), (174, 45298),

Gene: Goldilocks_70 Start: 43845, Stop: 44813, Start Num: 6

Candidate Starts for Goldilocks_70:

(Start: 6 @43845 has 128 MA's), (Start: 8 @43884 has 1 MA's), (Start: 11 @43890 has 1 MA's), (20, 43914), (22, 43932), (35, 44064), (38, 44079), (Start: 39 @44082 has 17 MA's), (Start: 40 @44085 has 3 MA's), (55, 44202), (57, 44220), (97, 44433), (136, 44649), (138, 44661), (140, 44667), (149, 44703), (161, 44751), (174, 44799),

Gene: GooberAzure_70 Start: 44344, Stop: 45312, Start Num: 6

Candidate Starts for GooberAzure_70:

(Start: 6 @44344 has 128 MA's), (Start: 8 @44383 has 1 MA's), (Start: 11 @44389 has 1 MA's), (20, 44413), (22, 44431), (35, 44563), (38, 44578), (Start: 39 @44581 has 17 MA's), (Start: 40 @44584 has 3 MA's), (55, 44701), (57, 44719), (97, 44932), (136, 45148), (138, 45160), (140, 45166), (149, 45202), (161, 45250), (174, 45298),

Gene: GoongGoong_63 Start: 36603, Stop: 37556, Start Num: 9

Candidate Starts for GoongGoong_63:

(Start: 9 @36603 has 19 MA's), (Start: 39 @36801 has 17 MA's), (54, 36894), (59, 36942), (62, 36972), (70, 37023), (76, 37056), (85, 37095), (105, 37185), (111, 37218), (112, 37221), (119, 37269), (122, 37287), (124, 37308), (134, 37374), (137, 37386), (162, 37494),

Gene: Guey18_87 Start: 44948, Stop: 45718, Start Num: 27

Candidate Starts for Guey18_87:

(Start: 27 @44948 has 6 MA's), (34, 44993), (38, 45014), (47, 45053), (48, 45056), (56, 45137), (67, 45227), (68, 45239), (72, 45248), (84, 45308), (95, 45341), (97, 45353), (112, 45419), (114, 45425), (120, 45464), (134, 45563), (135, 45566), (148, 45617),

Gene: GuuelaD_60 Start: 43611, Stop: 44543, Start Num: 10

Candidate Starts for GuuelaD_60:

(Start: 10 @43611 has 44 MA's), (Start: 40 @43809 has 3 MA's), (82, 44106), (95, 44145), (97, 44157), (100, 44163), (114, 44220), (119, 44262), (120, 44268), (134, 44367), (135, 44370), (139, 44388), (148, 44421), (149, 44427), (152, 44439), (161, 44475), (172, 44517),

Gene: Hafay_62 Start: 43600, Stop: 44532, Start Num: 10

Candidate Starts for Hafay_62:

(Start: 10 @43600 has 44 MA's), (Start: 40 @43798 has 3 MA's), (82, 44095), (95, 44134), (97, 44146), (100, 44152), (114, 44209), (119, 44251), (120, 44257), (134, 44356), (135, 44359), (139, 44377), (148, 44410), (149, 44416), (152, 44428), (161, 44464), (172, 44506),

Gene: Halena_57 Start: 41362, Stop: 42294, Start Num: 10

Candidate Starts for Halena_57:

(Start: 10 @41362 has 44 MA's), (Start: 40 @41560 has 3 MA's), (82, 41857), (84, 41863), (91, 41884), (95, 41896), (97, 41908), (111, 41962), (113, 41968), (119, 42013), (120, 42019), (122, 42031), (134, 42118), (135, 42121), (136, 42124), (139, 42139), (148, 42172), (151, 42184), (152, 42190), (161, 42226), (169, 42259), (172, 42268),

Gene: HanKaySha_67 Start: 43651, Stop: 44619, Start Num: 6

Candidate Starts for HanKaySha_67:

(Start: 6 @43651 has 128 MA's), (Start: 8 @43690 has 1 MA's), (Start: 11 @43696 has 1 MA's), (20, 43720), (22, 43738), (35, 43870), (38, 43885), (Start: 39 @43888 has 17 MA's), (Start: 40 @43891 has 3 MA's), (55, 44008), (57, 44026), (97, 44239), (136, 44455), (138, 44467), (140, 44473), (149, 44509), (161, 44557), (174, 44605),

Gene: Harella_67 Start: 45197, Stop: 46165, Start Num: 6

Candidate Starts for Harella_67:

(Start: 6 @45197 has 128 MA's), (Start: 8 @45236 has 1 MA's), (Start: 11 @45242 has 1 MA's), (20, 45266), (22, 45284), (35, 45416), (38, 45431), (Start: 39 @45434 has 17 MA's), (Start: 40 @45437 has 3 MA's), (55, 45554), (57, 45572), (97, 45785), (136, 46001), (138, 46013), (140, 46019), (149, 46055), (161, 46103), (174, 46151),

Gene: Henry_65 Start: 43988, Stop: 44956, Start Num: 6

Candidate Starts for Henry_65:

(Start: 6 @43988 has 128 MA's), (Start: 8 @44027 has 1 MA's), (Start: 11 @44033 has 1 MA's), (20, 44057), (22, 44075), (35, 44207), (38, 44222), (Start: 39 @44225 has 17 MA's), (Start: 40 @44228 has 3 MA's), (55, 44345), (57, 44363), (97, 44576), (136, 44792), (138, 44804), (140, 44810), (149, 44846), (161, 44894), (174, 44942),

Gene: Highbury_66 Start: 43639, Stop: 44607, Start Num: 6

Candidate Starts for Highbury_66:

(Start: 6 @43639 has 128 MA's), (Start: 8 @43678 has 1 MA's), (Start: 11 @43684 has 1 MA's), (20, 43708), (22, 43726), (35, 43858), (38, 43873), (Start: 39 @43876 has 17 MA's), (Start: 40 @43879 has 3 MA's), (55, 43996), (57, 44014), (97, 44227), (136, 44443), (138, 44455), (140, 44461), (149, 44497), (161, 44545), (174, 44593),

Gene: Holt_72 Start: 44758, Stop: 45726, Start Num: 6

Candidate Starts for Holt_72:

(Start: 6 @44758 has 128 MA's), (Start: 8 @44797 has 1 MA's), (Start: 11 @44803 has 1 MA's), (20, 44827), (22, 44845), (35, 44977), (38, 44992), (Start: 39 @44995 has 17 MA's), (Start: 40 @44998 has 3 MA's), (55, 45115), (57, 45133), (97, 45346), (136, 45562), (138, 45574), (140, 45580), (149, 45616), (161, 45664), (174, 45712),

Gene: Hoonter_70 Start: 44344, Stop: 45312, Start Num: 6

Candidate Starts for Hoonter_70:

(Start: 6 @44344 has 128 MA's), (Start: 8 @44383 has 1 MA's), (Start: 11 @44389 has 1 MA's), (20, 44413), (22, 44431), (35, 44563), (38, 44578), (Start: 39 @44581 has 17 MA's), (Start: 40 @44584 has 3 MA's), (55, 44701), (57, 44719), (97, 44932), (136, 45148), (138, 45160), (140, 45166), (149, 45202), (161, 45250), (174, 45298),

Gene: Hokey_67 Start: 44183, Stop: 45151, Start Num: 6

Candidate Starts for Hokey_67:

(Start: 6 @44183 has 128 MA's), (Start: 8 @44222 has 1 MA's), (Start: 11 @44228 has 1 MA's), (20, 44252), (22, 44270), (35, 44402), (38, 44417), (Start: 39 @44420 has 17 MA's), (Start: 40 @44423 has 3 MA's), (55, 44540), (57, 44558), (97, 44771), (136, 44987), (138, 44999), (140, 45005), (149, 45041), (161, 45089), (174, 45137),

Gene: HufflyPuff_70 Start: 45016, Stop: 45984, Start Num: 6

Candidate Starts for HufflyPuff_70:

(Start: 6 @45016 has 128 MA's), (Start: 8 @45055 has 1 MA's), (Start: 11 @45061 has 1 MA's), (20, 45085), (22, 45103), (35, 45235), (38, 45250), (Start: 39 @45253 has 17 MA's), (Start: 40 @45256 has 3 MA's), (55, 45373), (57, 45391), (97, 45604), (136, 45820), (138, 45832), (140, 45838), (149, 45874), (161, 45922), (174, 45970),

Gene: Huphleuff_68 Start: 37188, Stop: 38141, Start Num: 9

Candidate Starts for Huphleuff_68:

(Start: 9 @37188 has 19 MA's), (Start: 39 @37386 has 17 MA's), (54, 37479), (59, 37527), (62, 37557), (70, 37608), (76, 37641), (85, 37680), (105, 37770), (111, 37803), (112, 37806), (119, 37854), (122, 37872), (124, 37893), (134, 37959), (137, 37971), (162, 38079),

Gene: IHOP_65 Start: 44112, Stop: 45080, Start Num: 6

Candidate Starts for IHOP_65:

(Start: 6 @44112 has 128 MA's), (Start: 8 @44151 has 1 MA's), (Start: 11 @44157 has 1 MA's), (20, 44181), (22, 44199), (35, 44331), (38, 44346), (Start: 39 @44349 has 17 MA's), (Start: 40 @44352 has 3 MA's), (55, 44469), (57, 44487), (97, 44700), (136, 44916), (138, 44928), (140, 44934), (149, 44970), (161, 45018), (174, 45066),

Gene: IPhone7_56 Start: 39492, Stop: 40352, Start Num: 24

Candidate Starts for IPhone7_56:

(Start: 24 @39492 has 14 MA's), (Start: 43 @39606 has 5 MA's), (77, 39864), (83, 39900), (90, 39918), (92, 39924), (93, 39930), (98, 39951), (113, 40008), (119, 40047), (120, 40053), (126, 40104), (143, 40200), (155, 40251), (159, 40266), (176, 40341), (178, 40344),

Gene: Icee_68 Start: 44011, Stop: 44979, Start Num: 6

Candidate Starts for Icee_68:

(Start: 6 @44011 has 128 MA's), (Start: 8 @44050 has 1 MA's), (Start: 11 @44056 has 1 MA's), (20, 44080), (22, 44098), (35, 44230), (38, 44245), (Start: 39 @44248 has 17 MA's), (Start: 40 @44251 has 3 MA's), (55, 44368), (57, 44386), (97, 44599), (136, 44815), (138, 44827), (140, 44833), (149, 44869), (161, 44917), (174, 44965),

Gene: Inca_64 Start: 42676, Stop: 43605, Start Num: 8

Candidate Starts for Inca_64:

(Start: 6 @42637 has 128 MA's), (Start: 8 @42676 has 1 MA's), (Start: 11 @42682 has 1 MA's), (20, 42706), (22, 42724), (35, 42856), (38, 42871), (Start: 39 @42874 has 17 MA's), (Start: 40 @42877 has 3 MA's), (55, 42994), (57, 43012), (97, 43225), (136, 43441), (138, 43453), (140, 43459), (149, 43495), (161, 43543), (174, 43591),

Gene: Issmi_32 Start: 25370, Stop: 26098, Start Num: 49

Candidate Starts for Issmi_32:

(19, 25163), (Start: 44 @25352 has 1 MA's), (Start: 49 @25370 has 1 MA's), (65, 25541), (73, 25577), (74, 25589), (75, 25592), (87, 25640), (116, 25754), (120, 25775), (123, 25793), (124, 25808), (129, 25835), (144, 25928), (150, 25958), (154, 25976), (158, 25985), (180, 26081),

Gene: Itos_60 Start: 42402, Stop: 43334, Start Num: 10

Candidate Starts for Itos_60:

(Start: 10 @42402 has 44 MA's), (Start: 40 @42600 has 3 MA's), (82, 42897), (95, 42936), (97, 42948), (100, 42954), (114, 43011), (119, 43053), (120, 43059), (134, 43158), (135, 43161), (139, 43179), (148, 43212), (149, 43218), (152, 43230), (161, 43266), (172, 43308),

Gene: Izel_56 Start: 39487, Stop: 40347, Start Num: 24

Candidate Starts for Izel_56:

(Start: 24 @39487 has 14 MA's), (Start: 43 @39601 has 5 MA's), (77, 39859), (83, 39895), (90, 39913), (92, 39919), (93, 39925), (98, 39946), (113, 40003), (119, 40042), (120, 40048), (126, 40099), (143, 40195), (155, 40246), (159, 40261), (176, 40336), (178, 40339),

Gene: JeTaime_67 Start: 44835, Stop: 45803, Start Num: 6

Candidate Starts for JeTaime_67:

(Start: 6 @44835 has 128 MA's), (Start: 8 @44874 has 1 MA's), (Start: 11 @44880 has 1 MA's), (20, 44904), (22, 44922), (35, 45054), (38, 45069), (Start: 39 @45072 has 17 MA's), (Start: 40 @45075 has 3 MA's), (55, 45192), (57, 45210), (97, 45423), (136, 45639), (138, 45651), (140, 45657), (149, 45693), (161, 45741), (174, 45789),

Gene: Jobypre_61 Start: 44014, Stop: 44751, Start Num: 39

Candidate Starts for Jobypre_61:

(Start: 39 @44014 has 17 MA's), (Start: 40 @44017 has 3 MA's), (97, 44365), (108, 44401), (111, 44419), (113, 44425), (120, 44476), (122, 44488), (124, 44509), (135, 44578), (136, 44581), (139, 44596), (148, 44629), (149, 44635), (151, 44641), (161, 44683), (172, 44725), (174, 44731),

Gene: JoeDirt_58 Start: 41762, Stop: 42694, Start Num: 10

Candidate Starts for JoeDirt_58:

(1, 41522), (2, 41525), (4, 41597), (7, 41735), (Start: 10 @41762 has 44 MA's), (Start: 40 @41960 has 3 MA's), (82, 42257), (91, 42284), (95, 42296), (97, 42308), (111, 42362), (113, 42368), (119, 42413), (120, 42419), (122, 42431), (134, 42518), (135, 42521), (136, 42524), (139, 42539), (152, 42590), (161, 42626), (172, 42668),

Gene: JoieB_67 Start: 37621, Stop: 38574, Start Num: 9

Candidate Starts for JoieB_67:

(Start: 9 @37621 has 19 MA's), (Start: 39 @37819 has 17 MA's), (54, 37912), (59, 37960), (62, 37990), (70, 38041), (76, 38074), (85, 38113), (105, 38203), (111, 38236), (112, 38239), (119, 38287), (122, 38305), (124, 38326), (134, 38392), (137, 38404), (162, 38512),

Gene: Jubie_60 Start: 44149, Stop: 44886, Start Num: 39

Candidate Starts for Jubie_60:

(Start: 39 @44149 has 17 MA's), (Start: 40 @44152 has 3 MA's), (97, 44500), (108, 44536), (111, 44554), (113, 44560), (120, 44611), (122, 44623), (124, 44644), (135, 44713), (136, 44716), (139, 44731), (148, 44764), (149, 44770), (151, 44776), (161, 44818), (172, 44860), (174, 44866),

Gene: Kahlid_61 Start: 43502, Stop: 44434, Start Num: 10

Candidate Starts for Kahlid_61:

(Start: 10 @43502 has 44 MA's), (Start: 40 @43700 has 3 MA's), (82, 43997), (95, 44036), (97, 44048), (100, 44054), (114, 44111), (119, 44153), (120, 44159), (134, 44258), (135, 44261), (139, 44279), (148, 44312), (149, 44318), (152, 44330), (161, 44366), (172, 44408),

Gene: Kanye_64 Start: 43693, Stop: 44661, Start Num: 6

Candidate Starts for Kanye_64:

(Start: 6 @43693 has 128 MA's), (Start: 8 @43732 has 1 MA's), (Start: 11 @43738 has 1 MA's), (20, 43762), (22, 43780), (35, 43912), (38, 43927), (Start: 39 @43930 has 17 MA's), (Start: 40 @43933 has 3 MA's), (55, 44050), (57, 44068), (97, 44281), (136, 44497), (138, 44509), (140, 44515), (149, 44551), (161, 44599), (174, 44647),

Gene: Keelan_83 Start: 44373, Stop: 45143, Start Num: 27

Candidate Starts for Keelan_83:

(Start: 27 @44373 has 6 MA's), (30, 44388), (33, 44409), (34, 44418), (38, 44439), (41, 44457), (45, 44472), (53, 44538), (56, 44562), (81, 44718), (84, 44733), (85, 44736), (91, 44754), (95, 44766), (97, 44778), (112, 44844), (122, 44901), (134, 44988), (148, 45042), (152, 45060), (160, 45090), (163, 45108), (167, 45123),

Gene: Kimchi_71 Start: 44347, Stop: 45315, Start Num: 6

Candidate Starts for Kimchi_71:

(Start: 6 @44347 has 128 MA's), (Start: 8 @44386 has 1 MA's), (Start: 11 @44392 has 1 MA's), (20, 44416), (22, 44434), (35, 44566), (38, 44581), (Start: 39 @44584 has 17 MA's), (Start: 40 @44587 has 3 MA's), (55, 44704), (57, 44722), (97, 44935), (136, 45151), (138, 45163), (140, 45169), (149, 45205), (161, 45253), (174, 45301),

Gene: Kingsolomon_60 Start: 44021, Stop: 44758, Start Num: 39

Candidate Starts for Kingsolomon_60:

(Start: 39 @44021 has 17 MA's), (Start: 40 @44024 has 3 MA's), (97, 44372), (108, 44408), (111, 44426), (113, 44432), (120, 44483), (122, 44495), (124, 44516), (135, 44585), (136, 44588), (139, 44603), (148, 44636), (149, 44642), (151, 44648), (161, 44690), (172, 44732), (174, 44738),

Gene: KirDoubleO7_59 Start: 44052, Stop: 44789, Start Num: 39

Candidate Starts for KirDoubleO7_59:

(Start: 39 @44052 has 17 MA's), (Start: 40 @44055 has 3 MA's), (97, 44403), (113, 44463), (114, 44466), (120, 44514), (122, 44526), (124, 44547), (131, 44583), (135, 44616), (136, 44619), (139, 44634), (148, 44667), (149, 44673), (151, 44679), (161, 44721), (172, 44763), (174, 44769),

Gene: KleverKiS_57 Start: 39468, Stop: 40328, Start Num: 24

Candidate Starts for KleverKiS_57:

(Start: 24 @39468 has 14 MA's), (Start: 43 @39582 has 5 MA's), (77, 39840), (83, 39876), (90, 39894), (92, 39900), (93, 39906), (98, 39927), (113, 39984), (119, 40023), (120, 40029), (126, 40080), (143, 40176), (155, 40227), (159, 40242), (176, 40317), (178, 40320),

Gene: Kostya_67 Start: 44211, Stop: 45179, Start Num: 6

Candidate Starts for Kostya_67:

(Start: 6 @44211 has 128 MA's), (Start: 8 @44250 has 1 MA's), (Start: 11 @44256 has 1 MA's), (20, 44280), (22, 44298), (35, 44430), (38, 44445), (Start: 39 @44448 has 17 MA's), (Start: 40 @44451 has 3 MA's), (55, 44568), (57, 44586), (97, 44799), (136, 45015), (138, 45027), (140, 45033), (149, 45069), (161, 45117), (174, 45165),

Gene: Kropertea_57 Start: 42306, Stop: 43238, Start Num: 11

Candidate Starts for Kropertea_57:

(Start: 11 @42306 has 1 MA's), (Start: 40 @42504 has 3 MA's), (76, 42771), (82, 42801), (84, 42807), (97, 42852), (113, 42912), (114, 42915), (119, 42957), (120, 42963), (122, 42975), (135, 43065), (139, 43083), (148, 43116), (149, 43122), (152, 43134), (161, 43170), (172, 43212),

Gene: Krypton555_62 Start: 44246, Stop: 44983, Start Num: 39

Candidate Starts for Krypton555_62:

(Start: 39 @44246 has 17 MA's), (Start: 40 @44249 has 3 MA's), (97, 44597), (100, 44603), (108, 44633), (111, 44651), (113, 44657), (120, 44708), (122, 44720), (124, 44741), (135, 44810), (136, 44813), (139, 44828), (148, 44861), (149, 44867), (151, 44873), (161, 44915), (172, 44957), (174, 44963),

Gene: Kudrefre_58 Start: 39045, Stop: 39977, Start Num: 12

Candidate Starts for Kudrefre_58:

(Start: 11 @39042 has 1 MA's), (Start: 12 @39045 has 7 MA's), (26, 39162), (Start: 29 @39183 has 2 MA's), (31, 39201), (38, 39237), (Start: 39 @39240 has 17 MA's), (53, 39348), (67, 39465), (68, 39477), (78, 39519), (82, 39540), (89, 39561), (96, 39588), (100, 39597), (102, 39612), (105, 39621), (109, 39648), (118, 39699), (119, 39708), (120, 39714), (130, 39771), (131, 39783), (132, 39795), (133, 39807), (134, 39813), (135, 39816), (136, 39819), (146, 39864), (152, 39885), (172, 39963), (173, 39966),

Gene: Kumao_48 Start: 38609, Stop: 39574, Start Num: 6

Candidate Starts for Kumao_48:

(Start: 6 @38609 has 128 MA's), (Start: 8 @38648 has 1 MA's), (Start: 12 @38657 has 7 MA's), (35, 38822), (Start: 40 @38843 has 3 MA's), (60, 39020), (62, 39038), (64, 39056), (66, 39065), (97, 39194), (108, 39230), (112, 39251), (132, 39386), (134, 39404), (145, 39443), (152, 39476), (156, 39491), (161, 39512), (170, 39548), (174, 39560),

Gene: LeBron_58 Start: 41365, Stop: 42297, Start Num: 10

Candidate Starts for LeBron_58:

(Start: 10 @41365 has 44 MA's), (Start: 40 @41563 has 3 MA's), (82, 41860), (84, 41866), (91, 41887), (95, 41899), (97, 41911), (111, 41965), (113, 41971), (119, 42016), (120, 42022), (122, 42034), (134, 42121), (135, 42124), (136, 42127), (139, 42142), (148, 42175), (151, 42187), (152, 42193), (161, 42229), (169, 42262), (172, 42271),

Gene: Lewan_62 Start: 43556, Stop: 44488, Start Num: 10

Candidate Starts for Lewan_62:

(Start: 10 @43556 has 44 MA's), (Start: 40 @43754 has 3 MA's), (82, 44051), (95, 44090), (97, 44102), (100, 44108), (114, 44165), (119, 44207), (120, 44213), (134, 44312), (135, 44315), (139, 44333), (148, 44366), (149, 44372), (152, 44384), (161, 44420), (172, 44462),

Gene: LilDestine_61 Start: 43529, Stop: 44461, Start Num: 10

Candidate Starts for LilDestine_61:

(Start: 10 @43529 has 44 MA's), (Start: 40 @43727 has 3 MA's), (82, 44024), (95, 44063), (97, 44075), (100, 44081), (114, 44138), (119, 44180), (120, 44186), (134, 44285), (135, 44288), (139, 44306), (148, 44339), (149, 44345), (152, 44357), (161, 44393), (172, 44435),

Gene: Lilac_69 Start: 43968, Stop: 44936, Start Num: 6

Candidate Starts for Lilac_69:

(Start: 6 @43968 has 128 MA's), (Start: 8 @44007 has 1 MA's), (Start: 11 @44013 has 1 MA's), (20, 44037), (22, 44055), (35, 44187), (38, 44202), (Start: 39 @44205 has 17 MA's), (Start: 40 @44208 has 3 MA's), (55, 44325), (57, 44343), (97, 44556), (136, 44772), (138, 44784), (140, 44790), (149, 44826), (161, 44874), (174, 44922),

Gene: Lilbit_66 Start: 37384, Stop: 38337, Start Num: 9

Candidate Starts for Lilbit_66:

(Start: 9 @37384 has 19 MA's), (Start: 39 @37582 has 17 MA's), (54, 37675), (59, 37723), (62, 37753), (70, 37804), (76, 37837), (85, 37876), (105, 37966), (111, 37999), (112, 38002), (119, 38050), (122, 38068), (124, 38089), (134, 38155), (137, 38167), (162, 38275),

Gene: LilhomieP_55 Start: 39492, Stop: 40352, Start Num: 24

Candidate Starts for LilhomieP_55:

(Start: 24 @39492 has 14 MA's), (Start: 43 @39606 has 5 MA's), (77, 39864), (83, 39900), (90, 39918), (92, 39924), (93, 39930), (98, 39951), (113, 40008), (119, 40047), (120, 40053), (126, 40104), (143, 40200), (155, 40251), (159, 40266), (176, 40341), (178, 40344),

Gene: Lilizi_68 Start: 43681, Stop: 44649, Start Num: 6

Candidate Starts for Lilizi_68:

(Start: 6 @43681 has 128 MA's), (Start: 8 @43720 has 1 MA's), (Start: 11 @43726 has 1 MA's), (20, 43750), (22, 43768), (35, 43900), (38, 43915), (Start: 39 @43918 has 17 MA's), (Start: 40 @43921 has 3 MA's), (55, 44038), (57, 44056), (97, 44269), (136, 44485), (138, 44497), (140, 44503), (149, 44539), (161, 44587), (174, 44635),

Gene: Lilpickle_66 Start: 43566, Stop: 44534, Start Num: 6

Candidate Starts for Lilpickle_66:

(Start: 6 @43566 has 128 MA's), (Start: 8 @43605 has 1 MA's), (Start: 11 @43611 has 1 MA's), (20, 43635), (22, 43653), (35, 43785), (38, 43800), (Start: 39 @43803 has 17 MA's), (Start: 40 @43806 has 3 MA's), (55, 43923), (57, 43941), (97, 44154), (136, 44370), (138, 44382), (140, 44388), (149, 44424), (161, 44472), (174, 44520),

Gene: LittleLaf_66 Start: 37113, Stop: 38066, Start Num: 9

Candidate Starts for LittleLaf_66:

(Start: 9 @37113 has 19 MA's), (Start: 39 @37311 has 17 MA's), (54, 37404), (59, 37452), (62, 37482), (70, 37533), (76, 37566), (85, 37605), (105, 37695), (111, 37728), (112, 37731), (119, 37779), (122, 37797), (124, 37818), (134, 37884), (137, 37896), (162, 38004),

Gene: LiyuLake_60 Start: 44068, Stop: 44805, Start Num: 39

Candidate Starts for LiyuLake_60:

(Start: 39 @44068 has 17 MA's), (Start: 40 @44071 has 3 MA's), (97, 44419), (113, 44479), (114, 44482), (120, 44530), (122, 44542), (124, 44563), (131, 44599), (135, 44632), (136, 44635), (139, 44650), (148, 44683), (149, 44689), (151, 44695), (161, 44737), (172, 44779), (174, 44785),

Gene: Loadrie_60 Start: 43584, Stop: 44516, Start Num: 10

Candidate Starts for Loadrie_60:

(Start: 10 @43584 has 44 MA's), (Start: 40 @43782 has 3 MA's), (82, 44079), (95, 44118), (97, 44130), (100, 44136), (114, 44193), (119, 44235), (120, 44241), (134, 44340), (135, 44343), (139, 44361), (148, 44394), (149, 44400), (152, 44412), (161, 44448), (172, 44490),

Gene: Lolly9_60 Start: 43839, Stop: 44576, Start Num: 39

Candidate Starts for Lolly9_60:

(Start: 39 @43839 has 17 MA's), (97, 44190), (100, 44196), (108, 44226), (111, 44244), (113, 44250), (114, 44253), (120, 44301), (122, 44313), (124, 44334), (135, 44403), (136, 44406), (139, 44421), (148, 44454), (149, 44460), (155, 44484), (161, 44508), (172, 44550), (174, 44556),

Gene: Lumos_62 Start: 44011, Stop: 44748, Start Num: 39

Candidate Starts for Lumos_62:

(Start: 39 @44011 has 17 MA's), (Start: 40 @44014 has 3 MA's), (97, 44362), (108, 44398), (111, 44416), (113, 44422), (120, 44473), (122, 44485), (124, 44506), (135, 44575), (136, 44578), (139, 44593), (148, 44626), (149, 44632), (151, 44638), (161, 44680), (172, 44722), (174, 44728),

Gene: MAckerman_58 Start: 41355, Stop: 42287, Start Num: 10

Candidate Starts for MAckerman_58:

(Start: 10 @41355 has 44 MA's), (Start: 40 @41553 has 3 MA's), (82, 41850), (84, 41856), (91, 41877), (95, 41889), (97, 41901), (111, 41955), (113, 41961), (119, 42006), (120, 42012), (122, 42024), (134, 42111), (135, 42114), (136, 42117), (139, 42132), (148, 42165), (151, 42177), (152, 42183), (161, 42219), (169, 42252), (172, 42261),

Gene: MISSy_68 Start: 44069, Stop: 45037, Start Num: 6

Candidate Starts for MISSy_68:

(Start: 6 @44069 has 128 MA's), (Start: 8 @44108 has 1 MA's), (Start: 11 @44114 has 1 MA's), (20, 44138), (22, 44156), (35, 44288), (38, 44303), (Start: 39 @44306 has 17 MA's), (Start: 40 @44309 has 3 MA's), (55, 44426), (57, 44444), (97, 44657), (136, 44873), (138, 44885), (140, 44891), (149, 44927), (161, 44975), (174, 45023),

Gene: MPhalcon_68 Start: 44062, Stop: 45030, Start Num: 6

Candidate Starts for MPhalcon_68:

(Start: 6 @44062 has 128 MA's), (Start: 8 @44101 has 1 MA's), (Start: 11 @44107 has 1 MA's), (20, 44131), (22, 44149), (35, 44281), (38, 44296), (Start: 39 @44299 has 17 MA's), (Start: 40 @44302 has 3 MA's), (55, 44419), (57, 44437), (97, 44650), (136, 44866), (138, 44878), (140, 44884), (149, 44920), (161, 44968), (174, 45016),

Gene: MadamMonkfish_67 Start: 43290, Stop: 44258, Start Num: 6

Candidate Starts for MadamMonkfish_67:

(Start: 6 @43290 has 128 MA's), (Start: 8 @43329 has 1 MA's), (Start: 11 @43335 has 1 MA's), (20, 43359), (22, 43377), (35, 43509), (38, 43524), (Start: 39 @43527 has 17 MA's), (Start: 40 @43530 has 3 MA's), (55, 43647), (57, 43665), (97, 43878), (136, 44094), (138, 44106), (140, 44112), (149, 44148), (161, 44196), (174, 44244),

Gene: Manda_67 Start: 44571, Stop: 45539, Start Num: 6

Candidate Starts for Manda_67:

(Start: 6 @44571 has 128 MA's), (Start: 8 @44610 has 1 MA's), (Start: 11 @44616 has 1 MA's), (20, 44640), (22, 44658), (35, 44790), (38, 44805), (Start: 39 @44808 has 17 MA's), (Start: 40 @44811 has 3 MA's), (55, 44928), (57, 44946), (97, 45159), (136, 45375), (138, 45387), (140, 45393), (149, 45429), (161, 45477), (174, 45525),

Gene: Marshmallow_65 Start: 44839, Stop: 45807, Start Num: 6

Candidate Starts for Marshmallow_65:

(Start: 6 @44839 has 128 MA's), (Start: 8 @44878 has 1 MA's), (Start: 11 @44884 has 1 MA's), (20, 44908), (22, 44926), (35, 45058), (38, 45073), (Start: 39 @45076 has 17 MA's), (Start: 40 @45079 has 3 MA's), (55, 45196), (57, 45214), (97, 45427), (136, 45643), (138, 45655), (140, 45661), (149, 45697), (161, 45745), (174, 45793),

Gene: Marvin_62 Start: 36871, Stop: 37824, Start Num: 9

Candidate Starts for Marvin_62:

(Start: 9 @36871 has 19 MA's), (Start: 39 @37069 has 17 MA's), (54, 37162), (59, 37210), (62, 37240), (70, 37291), (76, 37324), (85, 37363), (105, 37453), (111, 37486), (112, 37489), (119, 37537), (122, 37555), (124, 37576), (134, 37642), (137, 37654), (162, 37762),

Gene: MaryV_67 Start: 44513, Stop: 45418, Start Num: 23

Candidate Starts for MaryV_67:

(Start: 23 @44513 has 6 MA's), (42, 44666), (Start: 44 @44675 has 1 MA's), (46, 44681), (51, 44711), (52, 44723), (55, 44774), (67, 44882), (72, 44903), (74, 44918), (86, 44966), (103, 45032), (106, 45041), (117, 45098), (143, 45266), (146, 45284), (162, 45350), (164, 45356), (168, 45371), (176, 45407),

Gene: Maxxinista_69 Start: 43941, Stop: 44909, Start Num: 6

Candidate Starts for Maxxinista_69:

(Start: 6 @43941 has 128 MA's), (Start: 8 @43980 has 1 MA's), (Start: 11 @43986 has 1 MA's), (20, 44010), (22, 44028), (35, 44160), (38, 44175), (Start: 39 @44178 has 17 MA's), (Start: 40 @44181 has 3 MA's), (55, 44298), (57, 44316), (97, 44529), (136, 44745), (138, 44757), (140, 44763), (149, 44799), (161, 44847), (174, 44895),

Gene: Miley16_61 Start: 43496, Stop: 44428, Start Num: 10

Candidate Starts for Miley16_61:

(Start: 10 @43496 has 44 MA's), (Start: 40 @43694 has 3 MA's), (82, 43991), (95, 44030), (97, 44042), (100, 44048), (114, 44105), (119, 44147), (120, 44153), (134, 44252), (135, 44255), (139, 44273), (148, 44306), (149, 44312), (152, 44324), (161, 44360), (172, 44402),

Gene: Mindy_66 Start: 43154, Stop: 44122, Start Num: 6

Candidate Starts for Mindy_66:

(Start: 6 @43154 has 128 MA's), (Start: 8 @43193 has 1 MA's), (Start: 11 @43199 has 1 MA's), (20, 43223), (22, 43241), (35, 43373), (38, 43388), (Start: 39 @43391 has 17 MA's), (Start: 40 @43394 has 3 MA's), (55, 43511), (57, 43529), (97, 43742), (136, 43958), (138, 43970), (140, 43976), (149, 44012), (161, 44060), (174, 44108),

Gene: MiniLon_64 Start: 43840, Stop: 44577, Start Num: 39

Candidate Starts for MiniLon_64:

(Start: 39 @43840 has 17 MA's), (97, 44191), (100, 44197), (108, 44227), (111, 44245), (113, 44251), (114, 44254), (120, 44302), (122, 44314), (124, 44335), (135, 44404), (136, 44407), (139, 44422), (148, 44455), (149, 44461), (155, 44485), (161, 44509), (172, 44551), (174, 44557),

Gene: MiniMac_64 Start: 43838, Stop: 44575, Start Num: 39

Candidate Starts for MiniMac_64:

(Start: 39 @43838 has 17 MA's), (97, 44189), (100, 44195), (108, 44225), (111, 44243), (113, 44249), (120, 44300), (122, 44312), (124, 44333), (135, 44402), (136, 44405), (139, 44420), (148, 44453), (149, 44459), (155, 44483), (161, 44507), (172, 44549), (174, 44555),

Gene: Miniwave_62 Start: 43607, Stop: 44575, Start Num: 6

Candidate Starts for Miniwave_62:

(Start: 6 @43607 has 128 MA's), (Start: 8 @43646 has 1 MA's), (Start: 11 @43652 has 1 MA's), (20, 43676), (22, 43694), (35, 43826), (38, 43841), (Start: 39 @43844 has 17 MA's), (Start: 40 @43847 has 3 MA's), (55, 43964), (57, 43982), (97, 44195), (136, 44411), (138, 44423), (140, 44429), (149, 44465), (161, 44513), (174, 44561),

Gene: Misfit_68 Start: 45081, Stop: 46049, Start Num: 6

Candidate Starts for Misfit_68:

(Start: 6 @45081 has 128 MA's), (Start: 8 @45120 has 1 MA's), (Start: 11 @45126 has 1 MA's), (20, 45150), (22, 45168), (35, 45300), (38, 45315), (Start: 39 @45318 has 17 MA's), (Start: 40 @45321 has 3 MA's), (55, 45438), (57, 45456), (97, 45669), (136, 45885), (138, 45897), (140, 45903), (149, 45939), (161, 45987), (174, 46035),

Gene: MkaliMitinis3_62 Start: 43568, Stop: 44500, Start Num: 10

Candidate Starts for MkaliMitinis3_62:

(Start: 10 @43568 has 44 MA's), (Start: 40 @43766 has 3 MA's), (82, 44063), (95, 44102), (97, 44114), (100, 44120), (114, 44177), (119, 44219), (120, 44225), (134, 44324), (135, 44327), (139, 44345), (148, 44378), (149, 44384), (152, 44396), (161, 44432), (172, 44474),

Gene: Moldemort_70 Start: 44163, Stop: 45131, Start Num: 6

Candidate Starts for Moldemort_70:

(Start: 6 @44163 has 128 MA's), (Start: 8 @44202 has 1 MA's), (Start: 11 @44208 has 1 MA's), (20, 44232), (22, 44250), (35, 44382), (38, 44397), (Start: 39 @44400 has 17 MA's), (Start: 40 @44403 has 3 MA's), (55, 44520), (57, 44538), (97, 44751), (136, 44967), (138, 44979), (140, 44985), (149, 45021), (161, 45069), (174, 45117),

Gene: Moostard_60 Start: 44017, Stop: 44754, Start Num: 39

Candidate Starts for Moostard_60:

(Start: 39 @44017 has 17 MA's), (Start: 40 @44020 has 3 MA's), (97, 44368), (108, 44404), (111, 44422), (113, 44428), (120, 44479), (122, 44491), (124, 44512), (135, 44581), (136, 44584), (139, 44599), (148, 44632), (149, 44638), (151, 44644), (161, 44686), (172, 44728), (174, 44734),

Gene: MosMoris_63 Start: 36804, Stop: 37757, Start Num: 9

Candidate Starts for MosMoris_63:

(Start: 9 @36804 has 19 MA's), (Start: 39 @37002 has 17 MA's), (54, 37095), (59, 37143), (62, 37173), (70, 37224), (76, 37257), (85, 37296), (105, 37386), (111, 37419), (112, 37422), (119, 37470), (122, 37488), (124, 37509), (134, 37575), (137, 37587), (162, 37695),

Gene: Mosby_63 Start: 43364, Stop: 44332, Start Num: 6

Candidate Starts for Mosby_63:

(Start: 6 @43364 has 128 MA's), (Start: 8 @43403 has 1 MA's), (Start: 11 @43409 has 1 MA's), (20, 43433), (22, 43451), (35, 43583), (38, 43598), (Start: 39 @43601 has 17 MA's), (Start: 40 @43604 has 3 MA's), (55, 43721), (57, 43739), (97, 43952), (136, 44168), (138, 44180), (140, 44186), (149, 44222), (161, 44270), (174, 44318),

Gene: MrMagoo_65 Start: 42057, Stop: 42803, Start Num: 43

Candidate Starts for MrMagoo_65:

(Start: 43 @42057 has 5 MA's), (88, 42363), (90, 42369), (92, 42375), (98, 42402), (113, 42459), (119, 42498), (120, 42504), (127, 42558), (128, 42561), (143, 42651), (149, 42678), (171, 42765), (176, 42792),

Gene: MsGreen_61 Start: 44014, Stop: 44751, Start Num: 39

Candidate Starts for MsGreen_61:

(Start: 39 @44014 has 17 MA's), (Start: 40 @44017 has 3 MA's), (97, 44365), (108, 44401), (111, 44419), (113, 44425), (120, 44476), (122, 44488), (124, 44509), (135, 44578), (136, 44581), (139, 44596), (148, 44629), (149, 44635), (151, 44641), (161, 44683), (172, 44725), (174, 44731),

Gene: Murica_70 Start: 45016, Stop: 45984, Start Num: 6

Candidate Starts for Murica_70:

(Start: 6 @45016 has 128 MA's), (Start: 8 @45055 has 1 MA's), (Start: 11 @45061 has 1 MA's), (20, 45085), (22, 45103), (35, 45235), (38, 45250), (Start: 39 @45253 has 17 MA's), (Start: 40 @45256 has 3 MA's), (55, 45373), (57, 45391), (97, 45604), (136, 45820), (138, 45832), (140, 45838), (149, 45874), (161, 45922), (174, 45970),

Gene: Murphy_67 Start: 44453, Stop: 45421, Start Num: 6

Candidate Starts for Murphy_67:

(Start: 6 @44453 has 128 MA's), (Start: 8 @44492 has 1 MA's), (Start: 11 @44498 has 1 MA's), (20, 44522), (22, 44540), (35, 44672), (38, 44687), (Start: 39 @44690 has 17 MA's), (Start: 40 @44693 has 3 MA's), (55, 44810), (57, 44828), (97, 45041), (136, 45257), (138, 45269), (140, 45275), (149, 45311), (161, 45359), (174, 45407),

Gene: Myrale_67 Start: 44704, Stop: 45672, Start Num: 6

Candidate Starts for Myrale_67:

(Start: 6 @44704 has 128 MA's), (Start: 8 @44743 has 1 MA's), (Start: 11 @44749 has 1 MA's), (20, 44773), (22, 44791), (35, 44923), (38, 44938), (Start: 39 @44941 has 17 MA's), (Start: 40 @44944 has 3 MA's), (55, 45061), (57, 45079), (97, 45292), (136, 45508), (138, 45520), (140, 45526), (149, 45562), (161, 45610), (174, 45658),

Gene: Nala_69 Start: 44574, Stop: 45542, Start Num: 6

Candidate Starts for Nala_69:

(Start: 6 @44574 has 128 MA's), (Start: 8 @44613 has 1 MA's), (Start: 11 @44619 has 1 MA's), (20, 44643), (22, 44661), (35, 44793), (38, 44808), (Start: 39 @44811 has 17 MA's), (Start: 40 @44814 has 3 MA's), (55, 44931), (57, 44949), (97, 45162), (136, 45378), (138, 45390), (140, 45396), (149, 45432), (161, 45480), (174, 45528),

Gene: Nanosmite_61 Start: 41136, Stop: 41996, Start Num: 24

Candidate Starts for Nanosmite_61:

(Start: 24 @41136 has 14 MA's), (Start: 43 @41250 has 5 MA's), (77, 41508), (83, 41544), (90, 41562), (92, 41568), (113, 41652), (119, 41691), (127, 41751), (143, 41844), (155, 41895), (176, 41985), (178, 41988),

Gene: NelitzaMV_65 Start: 43653, Stop: 44621, Start Num: 6

Candidate Starts for NelitzaMV_65:

(Start: 6 @43653 has 128 MA's), (Start: 8 @43692 has 1 MA's), (Start: 11 @43698 has 1 MA's), (20, 43722), (22, 43740), (35, 43872), (38, 43887), (Start: 39 @43890 has 17 MA's), (Start: 40 @43893 has 3 MA's), (55, 44010), (57, 44028), (97, 44241), (136, 44457), (138, 44469), (140, 44475), (149, 44511), (161, 44559), (174, 44607),

Gene: Netyap_62 Start: 43497, Stop: 44429, Start Num: 10

Candidate Starts for Netyap_62:

(Start: 10 @43497 has 44 MA's), (Start: 40 @43695 has 3 MA's), (82, 43992), (95, 44031), (97, 44043), (100, 44049), (114, 44106), (119, 44148), (120, 44154), (134, 44253), (135, 44256), (139, 44274), (148, 44307), (149, 44313), (152, 44325), (161, 44361), (172, 44403),

Gene: Neville_58 Start: 38801, Stop: 39676, Start Num: 12

Candidate Starts for Neville_58:

(Start: 12 @38801 has 7 MA's), (26, 38909), (32, 38951), (Start: 39 @38987 has 17 MA's), (67, 39212), (71, 39227), (78, 39266), (82, 39287), (89, 39308), (100, 39344), (102, 39359), (115, 39374), (119, 39407), (124, 39446), (125, 39449), (132, 39494), (133, 39506), (134, 39512), (135, 39515), (136, 39518), (149, 39572), (151, 39578), (152, 39584), (159, 39611), (161, 39620),

Gene: Nicholas_60 Start: 44021, Stop: 44758, Start Num: 39

Candidate Starts for Nicholas_60:

(Start: 39 @44021 has 17 MA's), (Start: 40 @44024 has 3 MA's), (97, 44372), (108, 44408), (111, 44426), (113, 44432), (120, 44483), (122, 44495), (124, 44516), (135, 44585), (136, 44588), (139, 44603), (148, 44636), (149, 44642), (151, 44648), (161, 44690), (172, 44732), (174, 44738),

Gene: Nicholasp3_61 Start: 43532, Stop: 44464, Start Num: 10

Candidate Starts for Nicholasp3_61:

(Start: 10 @43532 has 44 MA's), (Start: 40 @43730 has 3 MA's), (82, 44027), (95, 44066), (97, 44078), (100, 44084), (114, 44141), (119, 44183), (120, 44189), (134, 44288), (135, 44291), (139, 44309), (148, 44342), (149, 44348), (152, 44360), (161, 44396), (172, 44438),

Gene: Nimrod_68 Start: 45271, Stop: 46239, Start Num: 6

Candidate Starts for Nimrod_68:

(Start: 6 @45271 has 128 MA's), (Start: 8 @45310 has 1 MA's), (Start: 11 @45316 has 1 MA's), (20, 45340), (22, 45358), (35, 45490), (38, 45505), (Start: 39 @45508 has 17 MA's), (Start: 40 @45511 has 3 MA's), (55, 45628), (57, 45646), (97, 45859), (136, 46075), (138, 46087), (140, 46093), (149, 46129), (161, 46177), (174, 46225),

Gene: NoSleep_68 Start: 43911, Stop: 44879, Start Num: 6

Candidate Starts for NoSleep_68:

(Start: 6 @43911 has 128 MA's), (Start: 8 @43950 has 1 MA's), (Start: 11 @43956 has 1 MA's), (20, 43980), (22, 43998), (35, 44130), (38, 44145), (Start: 39 @44148 has 17 MA's), (Start: 40 @44151 has 3 MA's), (55, 44268), (57, 44286), (97, 44499), (136, 44715), (138, 44727), (140, 44733), (149, 44769), (161, 44817), (174, 44865),

Gene: Octobien14_58 Start: 39326, Stop: 40258, Start Num: 12

Candidate Starts for Octobien14_58:

(Start: 11 @39323 has 1 MA's), (Start: 12 @39326 has 7 MA's), (26, 39443), (31, 39482), (Start: 39 @39521 has 17 MA's), (53, 39629), (55, 39641), (62, 39716), (67, 39746), (68, 39758), (80, 39809), (82, 39821), (96, 39869), (100, 39878), (102, 39893), (105, 39902), (109, 39929), (118, 39980), (119, 39989), (120, 39995), (131, 40064), (132, 40076), (133, 40088), (134, 40094), (135, 40097), (136, 40100), (172, 40244),

Gene: OhShagHennessy_57 Start: 40797, Stop: 41738, Start Num: 10

Candidate Starts for OhShagHennessy_57:

(Start: 6 @40755 has 128 MA's), (Start: 10 @40797 has 44 MA's), (15, 40818), (Start: 40 @41004 has 3 MA's), (82, 41301), (84, 41307), (91, 41328), (95, 41340), (97, 41352), (111, 41406), (113, 41412), (119, 41457), (120, 41463), (122, 41475), (134, 41562), (135, 41565), (136, 41568), (139, 41583), (152, 41634), (161, 41670), (169, 41703), (172, 41712),

Gene: OrionPax_66 Start: 43659, Stop: 44627, Start Num: 6

Candidate Starts for OrionPax_66:

(Start: 6 @43659 has 128 MA's), (Start: 8 @43698 has 1 MA's), (Start: 11 @43704 has 1 MA's), (20, 43728), (22, 43746), (35, 43878), (38, 43893), (Start: 39 @43896 has 17 MA's), (Start: 40 @43899 has 3 MA's), (55, 44016), (57, 44034), (97, 44247), (136, 44463), (138, 44475), (140, 44481), (149, 44517), (161, 44565), (174, 44613),

Gene: PYPDinur_57 Start: 42223, Stop: 43155, Start Num: 10

Candidate Starts for PYPDinur_57:

(Start: 10 @42223 has 44 MA's), (Start: 40 @42421 has 3 MA's), (82, 42718), (84, 42724), (89, 42739), (97, 42769), (100, 42775), (113, 42829), (114, 42832), (119, 42874), (120, 42880), (122, 42892), (135, 42982), (139, 43000), (148, 43033), (149, 43039), (152, 43051), (161, 43087), (172, 43129),

Gene: Palpatine_69 Start: 45043, Stop: 46011, Start Num: 6

Candidate Starts for Palpatine_69:

(Start: 6 @45043 has 128 MA's), (Start: 8 @45082 has 1 MA's), (Start: 11 @45088 has 1 MA's), (20, 45112), (22, 45130), (35, 45262), (38, 45277), (Start: 39 @45280 has 17 MA's), (Start: 40 @45283 has 3 MA's), (55, 45400), (57, 45418), (97, 45631), (136, 45847), (138, 45859), (140, 45865), (149, 45901), (161, 45949), (174, 45997),

Gene: Paperbeatsrock_66 Start: 44285, Stop: 45253, Start Num: 6

Candidate Starts for Paperbeatsrock_66:

(Start: 6 @44285 has 128 MA's), (Start: 8 @44324 has 1 MA's), (Start: 11 @44330 has 1 MA's), (20, 44354), (22, 44372), (35, 44504), (38, 44519), (Start: 39 @44522 has 17 MA's), (Start: 40 @44525 has 3 MA's), (55, 44642), (57, 44660), (97, 44873), (136, 45089), (138, 45101), (140, 45107), (149, 45143), (161, 45191), (174, 45239),

Gene: Pat3_65 Start: 42808, Stop: 43776, Start Num: 6

Candidate Starts for Pat3_65:

(Start: 6 @42808 has 128 MA's), (Start: 8 @42847 has 1 MA's), (Start: 11 @42853 has 1 MA's), (20, 42877), (22, 42895), (35, 43027), (38, 43042), (Start: 39 @43045 has 17 MA's), (Start: 40 @43048 has 3 MA's), (55, 43165), (57, 43183), (97, 43396), (136, 43612), (138, 43624), (140, 43630), (149, 43666), (161, 43714), (174, 43762),

Gene: PegLeg_56 Start: 39491, Stop: 40351, Start Num: 24

Candidate Starts for PegLeg_56:

(Start: 24 @39491 has 14 MA's), (Start: 43 @39605 has 5 MA's), (77, 39863), (83, 39899), (90, 39917), (92, 39923), (93, 39929), (98, 39950), (113, 40007), (119, 40046), (120, 40052), (126, 40103), (143, 40199), (155, 40250), (159, 40265), (176, 40340), (178, 40343),

Gene: Petra64142_71 Start: 45507, Stop: 46475, Start Num: 6

Candidate Starts for Petra64142_71:

(Start: 6 @45507 has 128 MA's), (Start: 8 @45546 has 1 MA's), (Start: 11 @45552 has 1 MA's), (20, 45576), (22, 45594), (35, 45726), (38, 45741), (Start: 39 @45744 has 17 MA's), (Start: 40 @45747 has 3 MA's), (55, 45864), (57, 45882), (97, 46095), (136, 46311), (138, 46323), (140, 46329), (149, 46365), (161, 46413), (174, 46461),

Gene: Phaja_65 Start: 44111, Stop: 45079, Start Num: 6

Candidate Starts for Phaja_65:

(Start: 6 @44111 has 128 MA's), (Start: 8 @44150 has 1 MA's), (Start: 11 @44156 has 1 MA's), (20, 44180), (22, 44198), (35, 44330), (38, 44345), (Start: 39 @44348 has 17 MA's), (Start: 40 @44351 has 3 MA's), (55, 44468), (57, 44486), (97, 44699), (136, 44915), (138, 44927), (140, 44933), (149, 44969), (161, 45017), (174, 45065),

Gene: Pharsalus_64 Start: 44085, Stop: 45053, Start Num: 6

Candidate Starts for Pharsalus_64:

(Start: 6 @44085 has 128 MA's), (Start: 8 @44124 has 1 MA's), (Start: 11 @44130 has 1 MA's), (20, 44154), (22, 44172), (35, 44304), (38, 44319), (Start: 39 @44322 has 17 MA's), (Start: 40 @44325 has 3 MA's), (55, 44442), (57, 44460), (97, 44673), (136, 44889), (138, 44901), (140, 44907), (149, 44943), (161, 44991), (174, 45039),

Gene: PhatBacter_71 Start: 45060, Stop: 46028, Start Num: 6

Candidate Starts for PhatBacter_71:

(Start: 6 @45060 has 128 MA's), (Start: 8 @45099 has 1 MA's), (Start: 11 @45105 has 1 MA's), (20, 45129), (22, 45147), (35, 45279), (38, 45294), (Start: 39 @45297 has 17 MA's), (Start: 40 @45300 has 3 MA's), (55, 45417), (57, 45435), (97, 45648), (136, 45864), (138, 45876), (139, 45879), (140, 45882), (149, 45918), (161, 45966), (174, 46014),

Gene: Phaux_69 Start: 45055, Stop: 46023, Start Num: 6

Candidate Starts for Phaux_69:

(Start: 6 @45055 has 128 MA's), (Start: 8 @45094 has 1 MA's), (Start: 11 @45100 has 1 MA's), (20, 45124), (22, 45142), (35, 45274), (38, 45289), (Start: 39 @45292 has 17 MA's), (Start: 40 @45295 has 3 MA's), (55, 45412), (57, 45430), (97, 45643), (136, 45859), (138, 45871), (140, 45877), (149, 45913),

(161, 45961), (174, 46009),

Gene: Phrux_64 Start: 43651, Stop: 44619, Start Num: 6

Candidate Starts for Phrux_64:

(Start: 6 @43651 has 128 MA's), (Start: 8 @43690 has 1 MA's), (Start: 11 @43696 has 1 MA's), (20, 43720), (22, 43738), (35, 43870), (38, 43885), (Start: 39 @43888 has 17 MA's), (Start: 40 @43891 has 3 MA's), (55, 44008), (57, 44026), (97, 44239), (136, 44455), (138, 44467), (140, 44473), (149, 44509), (161, 44557), (174, 44605),

Gene: Poise_66 Start: 36700, Stop: 37653, Start Num: 9

Candidate Starts for Poise_66:

(Start: 9 @36700 has 19 MA's), (Start: 39 @36898 has 17 MA's), (54, 36991), (59, 37039), (62, 37069), (70, 37120), (76, 37153), (85, 37192), (105, 37282), (111, 37315), (112, 37318), (119, 37366), (122, 37384), (124, 37405), (134, 37471), (137, 37483), (162, 37591),

Gene: Policronamos_70 Start: 45055, Stop: 46023, Start Num: 6

Candidate Starts for Policronamos_70:

(Start: 6 @45055 has 128 MA's), (Start: 8 @45094 has 1 MA's), (Start: 11 @45100 has 1 MA's), (20, 45124), (22, 45142), (35, 45274), (38, 45289), (Start: 39 @45292 has 17 MA's), (Start: 40 @45295 has 3 MA's), (55, 45412), (57, 45430), (97, 45643), (136, 45859), (138, 45871), (140, 45877), (149, 45913), (161, 45961), (174, 46009),

Gene: Pochiewood_59 Start: 41770, Stop: 42702, Start Num: 10

Candidate Starts for Pochiewood_59:

(Start: 10 @41770 has 44 MA's), (Start: 40 @41968 has 3 MA's), (82, 42265), (84, 42271), (91, 42292), (95, 42304), (97, 42316), (100, 42322), (111, 42370), (113, 42376), (119, 42421), (120, 42427), (122, 42439), (134, 42526), (135, 42529), (136, 42532), (139, 42547), (152, 42598), (161, 42634), (172, 42676),

Gene: Porky_66 Start: 43481, Stop: 44449, Start Num: 6

Candidate Starts for Porky_66:

(Start: 6 @43481 has 128 MA's), (Start: 8 @43520 has 1 MA's), (Start: 11 @43526 has 1 MA's), (20, 43550), (22, 43568), (35, 43700), (38, 43715), (Start: 39 @43718 has 17 MA's), (Start: 40 @43721 has 3 MA's), (55, 43838), (57, 43856), (97, 44069), (136, 44285), (138, 44297), (140, 44303), (149, 44339), (161, 44387), (174, 44435),

Gene: Pringar_65 Start: 36989, Stop: 37942, Start Num: 9

Candidate Starts for Pringar_65:

(3, 36821), (Start: 9 @36989 has 19 MA's), (Start: 39 @37187 has 17 MA's), (54, 37280), (59, 37328), (62, 37358), (70, 37409), (76, 37442), (85, 37481), (105, 37571), (111, 37604), (112, 37607), (119, 37655), (122, 37673), (124, 37694), (134, 37760), (137, 37772), (162, 37880),

Gene: Pumpkin_70 Start: 44709, Stop: 45677, Start Num: 6

Candidate Starts for Pumpkin_70:

(Start: 6 @44709 has 128 MA's), (Start: 8 @44748 has 1 MA's), (Start: 11 @44754 has 1 MA's), (20, 44778), (22, 44796), (35, 44928), (38, 44943), (Start: 39 @44946 has 17 MA's), (Start: 40 @44949 has 3 MA's), (55, 45066), (57, 45084), (97, 45297), (136, 45513), (138, 45525), (140, 45531), (149, 45567), (161, 45615), (174, 45663),

Gene: Quallification_68 Start: 44693, Stop: 45661, Start Num: 6

Candidate Starts for Quallification_68:

(Start: 6 @44693 has 128 MA's), (Start: 8 @44732 has 1 MA's), (Start: 11 @44738 has 1 MA's), (20, 44762), (22, 44780), (35, 44912), (38, 44927), (Start: 39 @44930 has 17 MA's), (Start: 40 @44933 has

3 MA's), (55, 45050), (57, 45068), (97, 45281), (136, 45497), (138, 45509), (140, 45515), (149, 45551), (161, 45599), (174, 45647),

Gene: Quby_59 Start: 42121, Stop: 43053, Start Num: 10

Candidate Starts for Quby_59:

(Start: 10 @42121 has 44 MA's), (Start: 40 @42319 has 3 MA's), (76, 42586), (82, 42616), (84, 42622), (89, 42637), (97, 42667), (100, 42673), (113, 42727), (114, 42730), (119, 42772), (120, 42778), (122, 42790), (135, 42880), (139, 42898), (148, 42931), (149, 42937), (152, 42949), (161, 42985), (172, 43027),

Gene: Rabbitrun_58 Start: 39022, Stop: 39897, Start Num: 12

Candidate Starts for Rabbitrun_58:

(5, 38893), (Start: 12 @39022 has 7 MA's), (26, 39130), (32, 39172), (Start: 39 @39208 has 17 MA's), (67, 39433), (71, 39448), (82, 39508), (84, 39514), (85, 39517), (91, 39535), (100, 39565), (102, 39580), (115, 39595), (119, 39628), (125, 39670), (132, 39715), (133, 39727), (134, 39733), (135, 39736), (136, 39739), (149, 39793), (151, 39799), (152, 39805), (159, 39832), (161, 39841),

Gene: Raela_66 Start: 37257, Stop: 38210, Start Num: 9

Candidate Starts for Raela_66:

(Start: 9 @37257 has 19 MA's), (Start: 39 @37455 has 17 MA's), (54, 37548), (59, 37596), (62, 37626), (70, 37677), (76, 37710), (85, 37749), (105, 37839), (111, 37872), (112, 37875), (119, 37923), (122, 37941), (124, 37962), (134, 38028), (137, 38040), (162, 38148),

Gene: Rakim_68 Start: 44162, Stop: 45130, Start Num: 6

Candidate Starts for Rakim_68:

(Start: 6 @44162 has 128 MA's), (Start: 8 @44201 has 1 MA's), (Start: 11 @44207 has 1 MA's), (20, 44231), (22, 44249), (35, 44381), (38, 44396), (Start: 39 @44399 has 17 MA's), (Start: 40 @44402 has 3 MA's), (55, 44519), (57, 44537), (97, 44750), (136, 44966), (138, 44978), (140, 44984), (149, 45020), (161, 45068), (174, 45116),

Gene: Red305_61 Start: 44014, Stop: 44751, Start Num: 39

Candidate Starts for Red305_61:

(Start: 39 @44014 has 17 MA's), (Start: 40 @44017 has 3 MA's), (97, 44365), (108, 44401), (111, 44419), (113, 44425), (120, 44476), (122, 44488), (124, 44509), (135, 44578), (136, 44581), (139, 44596), (148, 44629), (149, 44635), (151, 44641), (161, 44683), (172, 44725), (174, 44731),

Gene: RedRaider77_65 Start: 36645, Stop: 37598, Start Num: 9

Candidate Starts for RedRaider77_65:

(Start: 9 @36645 has 19 MA's), (Start: 39 @36843 has 17 MA's), (54, 36936), (59, 36984), (62, 37014), (70, 37065), (76, 37098), (85, 37137), (105, 37227), (111, 37260), (112, 37263), (119, 37311), (122, 37329), (124, 37350), (134, 37416), (137, 37428), (162, 37536),

Gene: Reindeer_58 Start: 40686, Stop: 41546, Start Num: 24

Candidate Starts for Reindeer_58:

(Start: 24 @40686 has 14 MA's), (Start: 43 @40800 has 5 MA's), (50, 40830), (63, 40980), (73, 41034), (76, 41055), (92, 41118), (113, 41202), (119, 41241), (120, 41247), (126, 41298), (143, 41394), (176, 41535),

Gene: Rey_63 Start: 41702, Stop: 42604, Start Num: 23

Candidate Starts for Rey_63:

(Start: 23 @41702 has 6 MA's), (Start: 24 @41744 has 14 MA's), (28, 41774), (Start: 43 @41858 has 5 MA's), (46, 41867), (83, 42152), (90, 42170), (92, 42176), (110, 42251), (113, 42260), (119, 42299), (143, 42452), (155, 42503), (174, 42575),

Gene: Rimmer_68 Start: 44401, Stop: 45369, Start Num: 6

Candidate Starts for Rimmer_68:

(Start: 6 @44401 has 128 MA's), (Start: 8 @44440 has 1 MA's), (Start: 11 @44446 has 1 MA's), (20, 44470), (22, 44488), (35, 44620), (38, 44635), (Start: 39 @44638 has 17 MA's), (Start: 40 @44641 has 3 MA's), (55, 44758), (57, 44776), (97, 44989), (136, 45205), (138, 45217), (140, 45223), (149, 45259), (161, 45307), (174, 45355),

Gene: RiverMonster_67 Start: 44229, Stop: 45197, Start Num: 6

Candidate Starts for RiverMonster_67:

(Start: 6 @44229 has 128 MA's), (Start: 8 @44268 has 1 MA's), (Start: 11 @44274 has 1 MA's), (20, 44298), (22, 44316), (35, 44448), (38, 44463), (Start: 39 @44466 has 17 MA's), (Start: 40 @44469 has 3 MA's), (55, 44586), (57, 44604), (97, 44817), (136, 45033), (138, 45045), (140, 45051), (149, 45087), (161, 45135), (174, 45183),

Gene: Ronaldo_86 Start: 44517, Stop: 45287, Start Num: 27

Candidate Starts for Ronaldo_86:

(Start: 27 @44517 has 6 MA's), (34, 44562), (38, 44583), (47, 44622), (48, 44625), (56, 44706), (67, 44796), (68, 44808), (72, 44817), (84, 44877), (95, 44910), (97, 44922), (112, 44988), (114, 44994), (134, 45132), (135, 45135), (148, 45186),

Gene: Rose5_59 Start: 41782, Stop: 42714, Start Num: 10

Candidate Starts for Rose5_59:

(Start: 10 @41782 has 44 MA's), (Start: 40 @41980 has 3 MA's), (82, 42277), (84, 42283), (91, 42304), (95, 42316), (97, 42328), (100, 42334), (111, 42382), (113, 42388), (119, 42433), (120, 42439), (122, 42451), (134, 42538), (135, 42541), (136, 42544), (139, 42559), (152, 42610), (161, 42646), (172, 42688),

Gene: Rumpelstiltskin_60 Start: 42925, Stop: 43857, Start Num: 10

Candidate Starts for Rumpelstiltskin_60:

(Start: 10 @42925 has 44 MA's), (Start: 40 @43123 has 3 MA's), (82, 43420), (95, 43459), (97, 43471), (100, 43477), (114, 43534), (119, 43576), (120, 43582), (134, 43681), (135, 43684), (139, 43702), (148, 43735), (149, 43741), (152, 43753), (161, 43789), (172, 43831),

Gene: Saints25_66 Start: 43639, Stop: 44607, Start Num: 6

Candidate Starts for Saints25_66:

(Start: 6 @43639 has 128 MA's), (Start: 8 @43678 has 1 MA's), (Start: 11 @43684 has 1 MA's), (20, 43708), (22, 43726), (35, 43858), (38, 43873), (Start: 39 @43876 has 17 MA's), (Start: 40 @43879 has 3 MA's), (55, 43996), (57, 44014), (97, 44227), (136, 44443), (138, 44455), (140, 44461), (149, 44497), (161, 44545), (174, 44593),

Gene: Samty_61 Start: 44022, Stop: 44759, Start Num: 39

Candidate Starts for Samty_61:

(Start: 39 @44022 has 17 MA's), (Start: 40 @44025 has 3 MA's), (97, 44373), (108, 44409), (111, 44427), (113, 44433), (120, 44484), (122, 44496), (124, 44517), (135, 44586), (136, 44589), (139, 44604), (148, 44637), (149, 44643), (151, 44649), (161, 44691), (172, 44733), (174, 44739),

Gene: Sarshaun_61 Start: 43592, Stop: 44524, Start Num: 10

Candidate Starts for Sarshaun_61:

(Start: 10 @43592 has 44 MA's), (Start: 40 @43790 has 3 MA's), (82, 44087), (95, 44126), (97, 44138), (100, 44144), (114, 44201), (119, 44243), (120, 44249), (134, 44348), (135, 44351), (139, 44369), (148, 44402), (149, 44408), (152, 44420), (161, 44456), (172, 44498),

Gene: Sassay_62 Start: 42326, Stop: 43294, Start Num: 6

Candidate Starts for Sassay_62:

(Start: 6 @42326 has 128 MA's), (Start: 8 @42365 has 1 MA's), (Start: 11 @42371 has 1 MA's), (20, 42395), (22, 42413), (35, 42545), (38, 42560), (Start: 39 @42563 has 17 MA's), (Start: 40 @42566 has 3 MA's), (55, 42683), (57, 42701), (97, 42914), (136, 43130), (138, 43142), (140, 43148), (149, 43184), (161, 43232), (174, 43280),

Gene: Schmidt_40 Start: 28005, Stop: 28883, Start Num: 9

Candidate Starts for Schmidt_40:

(Start: 9 @28005 has 19 MA's), (13, 28020), (Start: 29 @28146 has 2 MA's), (36, 28191), (37, 28194), (38, 28200), (Start: 39 @28203 has 17 MA's), (48, 28242), (53, 28284), (55, 28296), (63, 28374), (76, 28446), (79, 28461), (87, 28488), (89, 28497), (96, 28515), (120, 28605), (122, 28617), (124, 28638), (137, 28716), (138, 28722), (169, 28845), (175, 28875),

Gene: Sephiroth_57 Start: 39214, Stop: 40146, Start Num: 12

Candidate Starts for Sephiroth_57:

(Start: 11 @39211 has 1 MA's), (Start: 12 @39214 has 7 MA's), (26, 39331), (Start: 29 @39352 has 2 MA's), (31, 39370), (38, 39406), (Start: 39 @39409 has 17 MA's), (53, 39517), (67, 39634), (68, 39646), (78, 39688), (82, 39709), (89, 39730), (96, 39757), (100, 39766), (102, 39781), (105, 39790), (109, 39817), (118, 39868), (119, 39877), (120, 39883), (130, 39940), (132, 39964), (133, 39976), (134, 39982), (135, 39985), (136, 39988), (146, 40033), (152, 40054), (172, 40132), (173, 40135),

Gene: ShamWow_67 Start: 44548, Stop: 45516, Start Num: 6

Candidate Starts for ShamWow_67:

(Start: 6 @44548 has 128 MA's), (Start: 8 @44587 has 1 MA's), (Start: 11 @44593 has 1 MA's), (20, 44617), (22, 44635), (35, 44767), (38, 44782), (Start: 39 @44785 has 17 MA's), (Start: 40 @44788 has 3 MA's), (55, 44905), (57, 44923), (97, 45136), (136, 45352), (138, 45364), (140, 45370), (149, 45406), (161, 45454), (174, 45502),

Gene: Sheng711_59 Start: 42200, Stop: 43132, Start Num: 10

Candidate Starts for Sheng711_59:

(Start: 10 @42200 has 44 MA's), (Start: 40 @42398 has 3 MA's), (76, 42665), (82, 42695), (84, 42701), (89, 42716), (97, 42746), (100, 42752), (113, 42806), (114, 42809), (119, 42851), (120, 42857), (122, 42869), (135, 42959), (139, 42977), (148, 43010), (149, 43016), (152, 43028), (161, 43064), (172, 43106),

Gene: ShereKhan_66 Start: 44617, Stop: 45585, Start Num: 6

Candidate Starts for ShereKhan_66:

(Start: 6 @44617 has 128 MA's), (Start: 8 @44656 has 1 MA's), (Start: 11 @44662 has 1 MA's), (20, 44686), (22, 44704), (35, 44836), (38, 44851), (Start: 39 @44854 has 17 MA's), (Start: 40 @44857 has 3 MA's), (55, 44974), (57, 44992), (97, 45205), (136, 45421), (138, 45433), (140, 45439), (149, 45475), (161, 45523), (174, 45571),

Gene: Silverleaf_59 Start: 41517, Stop: 42449, Start Num: 10

Candidate Starts for Silverleaf_59:

(Start: 10 @41517 has 44 MA's), (Start: 40 @41715 has 3 MA's), (82, 42012), (84, 42018), (91, 42039), (95, 42051), (97, 42063), (100, 42069), (111, 42117), (113, 42123), (119, 42168), (120, 42174), (122, 42186), (135, 42276), (136, 42279), (139, 42294), (152, 42345), (161, 42381), (172, 42423),

Gene: Simpliphy_66 Start: 43629, Stop: 44597, Start Num: 6

Candidate Starts for Simpliphy_66:

(Start: 6 @43629 has 128 MA's), (Start: 8 @43668 has 1 MA's), (Start: 11 @43674 has 1 MA's), (20, 43698), (22, 43716), (35, 43848), (38, 43863), (Start: 39 @43866 has 17 MA's), (Start: 40 @43869 has

3 MA's), (55, 43986), (57, 44004), (97, 44217), (136, 44433), (138, 44445), (140, 44451), (149, 44487), (161, 44535), (174, 44583),

Gene: SirDuracell_66 Start: 42900, Stop: 43868, Start Num: 6

Candidate Starts for SirDuracell_66:

(Start: 6 @42900 has 128 MA's), (Start: 8 @42939 has 1 MA's), (Start: 11 @42945 has 1 MA's), (20, 42969), (22, 42987), (35, 43119), (38, 43134), (Start: 39 @43137 has 17 MA's), (Start: 40 @43140 has 3 MA's), (55, 43257), (57, 43275), (97, 43488), (136, 43704), (138, 43716), (140, 43722), (149, 43758), (161, 43806), (174, 43854),

Gene: Skinny_58 Start: 39921, Stop: 40781, Start Num: 24

Candidate Starts for Skinny_58:

(Start: 24 @39921 has 14 MA's), (Start: 43 @40035 has 5 MA's), (77, 40293), (83, 40329), (90, 40347), (92, 40353), (93, 40359), (98, 40380), (113, 40437), (119, 40476), (120, 40482), (126, 40533), (143, 40629), (155, 40680), (159, 40695), (176, 40770), (178, 40773),

Gene: SlimJimmy_55 Start: 39476, Stop: 40336, Start Num: 24

Candidate Starts for SlimJimmy_55:

(Start: 24 @39476 has 14 MA's), (Start: 43 @39590 has 5 MA's), (77, 39848), (83, 39884), (90, 39902), (92, 39908), (93, 39914), (98, 39935), (113, 39992), (119, 40031), (120, 40037), (126, 40088), (143, 40184), (155, 40235), (159, 40250), (176, 40325), (178, 40328),

Gene: Snenia_60 Start: 44015, Stop: 44752, Start Num: 39

Candidate Starts for Snenia_60:

(Start: 39 @44015 has 17 MA's), (Start: 40 @44018 has 3 MA's), (97, 44366), (108, 44402), (111, 44420), (113, 44426), (120, 44477), (122, 44489), (124, 44510), (135, 44579), (136, 44582), (139, 44597), (148, 44630), (149, 44636), (151, 44642), (161, 44684), (172, 44726), (174, 44732),

Gene: SoJulia_63 Start: 43761, Stop: 44693, Start Num: 10

Candidate Starts for SoJulia_63:

(Start: 10 @43761 has 44 MA's), (Start: 40 @43959 has 3 MA's), (82, 44256), (95, 44295), (97, 44307), (100, 44313), (114, 44370), (119, 44412), (120, 44418), (134, 44517), (135, 44520), (139, 44538), (148, 44571), (149, 44577), (152, 44589), (161, 44625), (172, 44667),

Gene: Soap141_61 Start: 43790, Stop: 44524, Start Num: 40

Candidate Starts for Soap141_61:

(Start: 10 @43592 has 44 MA's), (Start: 40 @43790 has 3 MA's), (82, 44087), (95, 44126), (97, 44138), (100, 44144), (114, 44201), (119, 44243), (120, 44249), (134, 44348), (135, 44351), (139, 44369), (148, 44402), (149, 44408), (152, 44420), (161, 44456), (172, 44498),

Gene: SophKB_64 Start: 43304, Stop: 44272, Start Num: 6

Candidate Starts for SophKB_64:

(Start: 6 @43304 has 128 MA's), (Start: 8 @43343 has 1 MA's), (Start: 11 @43349 has 1 MA's), (20, 43373), (22, 43391), (35, 43523), (38, 43538), (Start: 39 @43541 has 17 MA's), (Start: 40 @43544 has 3 MA's), (55, 43661), (57, 43679), (97, 43892), (136, 44108), (138, 44120), (140, 44126), (149, 44162), (161, 44210), (174, 44258),

Gene: Sotrice96_68 Start: 44307, Stop: 45275, Start Num: 6

Candidate Starts for Sotrice96_68:

(Start: 6 @44307 has 128 MA's), (Start: 8 @44346 has 1 MA's), (Start: 11 @44352 has 1 MA's), (20, 44376), (22, 44394), (35, 44526), (38, 44541), (Start: 39 @44544 has 17 MA's), (Start: 40 @44547 has 3 MA's), (55, 44664), (57, 44682), (97, 44895), (136, 45111), (138, 45123), (140, 45129), (149, 45165), (161, 45213), (174, 45261),

Gene: Stank_70 Start: 44562, Stop: 45530, Start Num: 6

Candidate Starts for Stank_70:

(Start: 6 @44562 has 128 MA's), (Start: 8 @44601 has 1 MA's), (Start: 11 @44607 has 1 MA's), (20, 44631), (22, 44649), (35, 44781), (38, 44796), (Start: 39 @44799 has 17 MA's), (Start: 40 @44802 has 3 MA's), (55, 44919), (57, 44937), (97, 45150), (136, 45366), (138, 45378), (140, 45384), (149, 45420), (161, 45468), (174, 45516),

Gene: Stark_68 Start: 44112, Stop: 45080, Start Num: 6

Candidate Starts for Stark_68:

(Start: 6 @44112 has 128 MA's), (Start: 8 @44151 has 1 MA's), (Start: 11 @44157 has 1 MA's), (20, 44181), (22, 44199), (35, 44331), (38, 44346), (Start: 39 @44349 has 17 MA's), (Start: 40 @44352 has 3 MA's), (55, 44469), (57, 44487), (97, 44700), (136, 44916), (138, 44928), (140, 44934), (149, 44970), (161, 45018), (174, 45066),

Gene: StellaBean_65 Start: 43872, Stop: 44840, Start Num: 6

Candidate Starts for StellaBean_65:

(Start: 6 @43872 has 128 MA's), (Start: 8 @43911 has 1 MA's), (Start: 11 @43917 has 1 MA's), (20, 43941), (22, 43959), (35, 44091), (38, 44106), (Start: 39 @44109 has 17 MA's), (Start: 40 @44112 has 3 MA's), (55, 44229), (57, 44247), (97, 44460), (136, 44676), (138, 44688), (140, 44694), (149, 44730), (161, 44778), (174, 44826),

Gene: StolenFromERC_70 Start: 44344, Stop: 45312, Start Num: 6

Candidate Starts for StolenFromERC_70:

(Start: 6 @44344 has 128 MA's), (Start: 8 @44383 has 1 MA's), (Start: 11 @44389 has 1 MA's), (20, 44413), (22, 44431), (35, 44563), (38, 44578), (Start: 39 @44581 has 17 MA's), (Start: 40 @44584 has 3 MA's), (55, 44701), (57, 44719), (97, 44932), (136, 45148), (138, 45160), (140, 45166), (149, 45202), (161, 45250), (174, 45298),

Gene: StormChicken_69 Start: 45008, Stop: 45976, Start Num: 6

Candidate Starts for StormChicken_69:

(Start: 6 @45008 has 128 MA's), (Start: 8 @45047 has 1 MA's), (Start: 11 @45053 has 1 MA's), (20, 45077), (22, 45095), (35, 45227), (38, 45242), (Start: 39 @45245 has 17 MA's), (Start: 40 @45248 has 3 MA's), (55, 45365), (57, 45383), (97, 45596), (136, 45812), (138, 45824), (140, 45830), (149, 45866), (161, 45914), (174, 45962),

Gene: Syleon_59 Start: 39155, Stop: 40087, Start Num: 12

Candidate Starts for Syleon_59:

(Start: 11 @39152 has 1 MA's), (Start: 12 @39155 has 7 MA's), (26, 39272), (Start: 29 @39293 has 2 MA's), (31, 39311), (38, 39347), (Start: 39 @39350 has 17 MA's), (53, 39458), (67, 39575), (68, 39587), (78, 39629), (82, 39650), (89, 39671), (96, 39698), (100, 39707), (102, 39722), (105, 39731), (109, 39758), (118, 39809), (119, 39818), (120, 39824), (130, 39881), (131, 39893), (132, 39905), (133, 39917), (134, 39923), (135, 39926), (136, 39929), (146, 39974), (152, 39995), (172, 40073), (173, 40076),

Gene: TBrady12_70 Start: 44046, Stop: 45014, Start Num: 6

Candidate Starts for TBrady12_70:

(Start: 6 @44046 has 128 MA's), (Start: 8 @44085 has 1 MA's), (Start: 11 @44091 has 1 MA's), (20, 44115), (22, 44133), (35, 44265), (38, 44280), (Start: 39 @44283 has 17 MA's), (Start: 40 @44286 has 3 MA's), (55, 44403), (57, 44421), (97, 44634), (136, 44850), (138, 44862), (140, 44868), (149, 44904), (161, 44952), (174, 45000),

Gene: Tarkin_66 Start: 44294, Stop: 45262, Start Num: 6

Candidate Starts for Tarkin_66:

(Start: 6 @44294 has 128 MA's), (Start: 8 @44333 has 1 MA's), (Start: 11 @44339 has 1 MA's), (20, 44363), (22, 44381), (35, 44513), (38, 44528), (Start: 39 @44531 has 17 MA's), (Start: 40 @44534 has 3 MA's), (55, 44651), (57, 44669), (97, 44882), (136, 45098), (138, 45110), (140, 45116), (149, 45152), (161, 45200), (174, 45248),

Gene: TeardropMSU_63 Start: 43294, Stop: 44262, Start Num: 6

Candidate Starts for TeardropMSU_63:

(Start: 6 @43294 has 128 MA's), (Start: 8 @43333 has 1 MA's), (Start: 11 @43339 has 1 MA's), (20, 43363), (22, 43381), (35, 43513), (38, 43528), (Start: 39 @43531 has 17 MA's), (Start: 40 @43534 has 3 MA's), (55, 43651), (57, 43669), (97, 43882), (136, 44098), (138, 44110), (140, 44116), (149, 44152), (161, 44200), (174, 44248),

Gene: Teaspoon_68 Start: 44188, Stop: 45156, Start Num: 6

Candidate Starts for Teaspoon_68:

(Start: 6 @44188 has 128 MA's), (Start: 8 @44227 has 1 MA's), (Start: 11 @44233 has 1 MA's), (20, 44257), (22, 44275), (35, 44407), (38, 44422), (Start: 39 @44425 has 17 MA's), (Start: 40 @44428 has 3 MA's), (55, 44545), (57, 44563), (97, 44776), (136, 44992), (138, 45004), (140, 45010), (149, 45046), (161, 45094), (174, 45142),

Gene: Terminus_70 Start: 45081, Stop: 46049, Start Num: 6

Candidate Starts for Terminus_70:

(Start: 6 @45081 has 128 MA's), (Start: 8 @45120 has 1 MA's), (Start: 11 @45126 has 1 MA's), (20, 45150), (22, 45168), (35, 45300), (38, 45315), (Start: 39 @45318 has 17 MA's), (Start: 40 @45321 has 3 MA's), (55, 45438), (57, 45456), (97, 45669), (136, 45885), (138, 45897), (140, 45903), (149, 45939), (161, 45987), (174, 46035),

Gene: Tesla_63 Start: 36494, Stop: 37447, Start Num: 9

Candidate Starts for Tesla_63:

(Start: 9 @36494 has 19 MA's), (Start: 39 @36692 has 17 MA's), (54, 36785), (59, 36833), (62, 36863), (70, 36914), (76, 36947), (85, 36986), (105, 37076), (111, 37109), (112, 37112), (119, 37160), (122, 37178), (124, 37199), (134, 37265), (137, 37277), (162, 37385),

Gene: Thimble_69 Start: 43526, Stop: 44494, Start Num: 6

Candidate Starts for Thimble_69:

(Start: 6 @43526 has 128 MA's), (Start: 8 @43565 has 1 MA's), (Start: 11 @43571 has 1 MA's), (20, 43595), (22, 43613), (35, 43745), (38, 43760), (Start: 39 @43763 has 17 MA's), (Start: 40 @43766 has 3 MA's), (55, 43883), (57, 43901), (97, 44114), (136, 44330), (138, 44342), (140, 44348), (149, 44384), (161, 44432), (174, 44480),

Gene: Thresher_69 Start: 45171, Stop: 46139, Start Num: 6

Candidate Starts for Thresher_69:

(Start: 6 @45171 has 128 MA's), (Start: 8 @45210 has 1 MA's), (Start: 11 @45216 has 1 MA's), (20, 45240), (22, 45258), (35, 45390), (38, 45405), (Start: 39 @45408 has 17 MA's), (Start: 40 @45411 has 3 MA's), (55, 45528), (57, 45546), (97, 45759), (136, 45975), (138, 45987), (140, 45993), (149, 46029), (161, 46077), (174, 46125),

Gene: Tomaszewski_62 Start: 43460, Stop: 44428, Start Num: 6

Candidate Starts for Tomaszewski_62:

(Start: 6 @43460 has 128 MA's), (Start: 8 @43499 has 1 MA's), (Start: 11 @43505 has 1 MA's), (20, 43529), (22, 43547), (35, 43679), (38, 43694), (Start: 39 @43697 has 17 MA's), (Start: 40 @43700 has 3 MA's), (55, 43817), (57, 43835), (97, 44048), (136, 44264), (138, 44276), (140, 44282), (149, 44318), (161, 44366), (174, 44414),

Gene: Toto_65 Start: 44548, Stop: 45516, Start Num: 6

Candidate Starts for Toto_65:

(Start: 6 @44548 has 128 MA's), (Start: 8 @44587 has 1 MA's), (Start: 11 @44593 has 1 MA's), (20, 44617), (22, 44635), (35, 44767), (38, 44782), (Start: 39 @44785 has 17 MA's), (Start: 40 @44788 has 3 MA's), (55, 44905), (57, 44923), (97, 45136), (136, 45352), (138, 45364), (140, 45370), (149, 45406), (161, 45454), (174, 45502),

Gene: Tourach_60 Start: 43581, Stop: 44513, Start Num: 10

Candidate Starts for Tourach_60:

(Start: 10 @43581 has 44 MA's), (Start: 40 @43779 has 3 MA's), (82, 44076), (95, 44115), (97, 44127), (114, 44190), (119, 44232), (120, 44238), (134, 44337), (135, 44340), (139, 44358), (152, 44409), (155, 44421), (161, 44445), (172, 44487),

Gene: Traaww1_63 Start: 43729, Stop: 44697, Start Num: 6

Candidate Starts for Traaww1_63:

(Start: 6 @43729 has 128 MA's), (Start: 8 @43768 has 1 MA's), (Start: 11 @43774 has 1 MA's), (20, 43798), (22, 43816), (35, 43948), (38, 43963), (Start: 39 @43966 has 17 MA's), (Start: 40 @43969 has 3 MA's), (55, 44086), (57, 44104), (97, 44317), (136, 44533), (138, 44545), (140, 44551), (149, 44587), (161, 44635), (174, 44683),

Gene: Trax_57 Start: 39086, Stop: 39961, Start Num: 12

Candidate Starts for Trax_57:

(Start: 12 @39086 has 7 MA's), (26, 39194), (32, 39236), (Start: 39 @39272 has 17 MA's), (67, 39497), (71, 39512), (78, 39551), (82, 39572), (100, 39629), (102, 39644), (115, 39659), (119, 39692), (124, 39731), (125, 39734), (132, 39779), (133, 39791), (134, 39797), (135, 39800), (136, 39803), (149, 39857), (151, 39863), (152, 39869), (159, 39896), (161, 39905),

Gene: TriFive_61 Start: 44014, Stop: 44751, Start Num: 39

Candidate Starts for TriFive_61:

(Start: 39 @44014 has 17 MA's), (Start: 40 @44017 has 3 MA's), (97, 44365), (108, 44401), (111, 44419), (113, 44425), (120, 44476), (122, 44488), (124, 44509), (135, 44578), (136, 44581), (139, 44596), (148, 44629), (149, 44635), (151, 44641), (161, 44683), (172, 44725), (174, 44731),

Gene: Tuco_68 Start: 45056, Stop: 46024, Start Num: 6

Candidate Starts for Tuco_68:

(Start: 6 @45056 has 128 MA's), (Start: 8 @45095 has 1 MA's), (Start: 11 @45101 has 1 MA's), (20, 45125), (22, 45143), (35, 45275), (38, 45290), (Start: 39 @45293 has 17 MA's), (Start: 40 @45296 has 3 MA's), (55, 45413), (57, 45431), (97, 45644), (136, 45860), (138, 45872), (140, 45878), (149, 45914), (161, 45962), (174, 46010),

Gene: TyDawg_56 Start: 39492, Stop: 40352, Start Num: 24

Candidate Starts for TyDawg_56:

(Start: 24 @39492 has 14 MA's), (Start: 43 @39606 has 5 MA's), (77, 39864), (83, 39900), (90, 39918), (92, 39924), (93, 39930), (98, 39951), (113, 40008), (119, 40047), (120, 40053), (126, 40104), (143, 40200), (155, 40251), (159, 40266), (176, 40341), (178, 40344),

Gene: Tyson_59 Start: 41784, Stop: 42716, Start Num: 10

Candidate Starts for Tyson_59:

(Start: 10 @41784 has 44 MA's), (Start: 40 @41982 has 3 MA's), (82, 42279), (84, 42285), (91, 42306), (95, 42318), (97, 42330), (100, 42336), (111, 42384), (113, 42390), (119, 42435), (120, 42441), (122, 42453), (134, 42540), (135, 42543), (136, 42546), (139, 42561), (152, 42612), (161, 42648), (172, 42690),

Gene: UPIE_59 Start: 41776, Stop: 42708, Start Num: 10

Candidate Starts for UPIE_59:

(1, 41536), (2, 41539), (4, 41611), (7, 41749), (Start: 10 @41776 has 44 MA's), (Start: 40 @41974 has 3 MA's), (82, 42271), (91, 42298), (95, 42310), (97, 42322), (111, 42376), (113, 42382), (119, 42427), (120, 42433), (122, 42445), (134, 42532), (135, 42535), (136, 42538), (139, 42553), (148, 42586), (151, 42598), (152, 42604), (161, 42640), (169, 42673), (172, 42682),

Gene: Ukulele_62 Start: 43442, Stop: 44410, Start Num: 6

Candidate Starts for Ukulele_62:

(Start: 6 @43442 has 128 MA's), (Start: 8 @43481 has 1 MA's), (Start: 11 @43487 has 1 MA's), (20, 43511), (22, 43529), (35, 43661), (38, 43676), (Start: 39 @43679 has 17 MA's), (Start: 40 @43682 has 3 MA's), (55, 43799), (57, 43817), (97, 44030), (136, 44246), (138, 44258), (140, 44264), (149, 44300), (161, 44348), (174, 44396),

Gene: Underpass_52 Start: 38568, Stop: 39500, Start Num: 10

Candidate Starts for Underpass_52:

(Start: 10 @38568 has 44 MA's), (Start: 40 @38766 has 3 MA's), (82, 39063), (95, 39102), (97, 39114), (100, 39120), (114, 39177), (119, 39219), (120, 39225), (134, 39324), (135, 39327), (139, 39345), (148, 39378), (149, 39384), (152, 39396), (161, 39432), (172, 39474),

Gene: VasuNzinga_65 Start: 36563, Stop: 37516, Start Num: 9

Candidate Starts for VasuNzinga_65:

(3, 36395), (Start: 9 @36563 has 19 MA's), (Start: 39 @36761 has 17 MA's), (54, 36854), (59, 36902), (62, 36932), (70, 36983), (76, 37016), (85, 37055), (105, 37145), (111, 37178), (112, 37181), (119, 37229), (122, 37247), (124, 37268), (134, 37334), (137, 37346), (162, 37454),

Gene: Vetric_61 Start: 43536, Stop: 44468, Start Num: 10

Candidate Starts for Vetric_61:

(Start: 10 @43536 has 44 MA's), (Start: 40 @43734 has 3 MA's), (82, 44031), (95, 44070), (97, 44082), (100, 44088), (114, 44145), (119, 44187), (120, 44193), (134, 44292), (135, 44295), (139, 44313), (148, 44346), (149, 44352), (152, 44364), (161, 44400), (172, 44442),

Gene: Volt_86 Start: 44681, Stop: 45451, Start Num: 27

Candidate Starts for Volt_86:

(Start: 27 @44681 has 6 MA's), (34, 44726), (38, 44747), (47, 44786), (48, 44789), (56, 44870), (67, 44960), (68, 44972), (72, 44981), (84, 45041), (95, 45074), (97, 45086), (112, 45152), (114, 45158), (134, 45296), (135, 45299), (148, 45350),

Gene: Wamburgxpress_59 Start: 41755, Stop: 42738, Start Num: 6

Candidate Starts for Wamburgxpress_59:

(Start: 6 @41755 has 128 MA's), (Start: 10 @41797 has 44 MA's), (15, 41818), (Start: 40 @42004 has 3 MA's), (82, 42301), (84, 42307), (91, 42328), (95, 42340), (97, 42352), (111, 42406), (113, 42412), (119, 42457), (120, 42463), (122, 42475), (134, 42562), (135, 42565), (136, 42568), (139, 42583), (148, 42616), (151, 42628), (152, 42634), (161, 42670), (169, 42703), (172, 42712),

Gene: Whirlwind_61 Start: 43832, Stop: 44569, Start Num: 39

Candidate Starts for Whirlwind_61:

(Start: 39 @43832 has 17 MA's), (Start: 40 @43835 has 3 MA's), (97, 44183), (100, 44189), (108, 44219), (113, 44243), (120, 44294), (122, 44306), (124, 44327), (135, 44396), (136, 44399), (139, 44414), (148, 44447), (149, 44453), (151, 44459), (161, 44501), (172, 44543), (174, 44549),

Gene: Wiggin_69 Start: 44130, Stop: 45098, Start Num: 6

Candidate Starts for Wiggin_69:

(Start: 6 @44130 has 128 MA's), (Start: 8 @44169 has 1 MA's), (Start: 11 @44175 has 1 MA's), (20, 44199), (22, 44217), (35, 44349), (38, 44364), (Start: 39 @44367 has 17 MA's), (Start: 40 @44370 has 3 MA's), (55, 44487), (57, 44505), (97, 44718), (136, 44934), (138, 44946), (140, 44952), (149, 44988), (161, 45036), (174, 45084),

Gene: Wigglewiggles_61 Start: 43556, Stop: 44488, Start Num: 10

Candidate Starts for Wigglewiggles_61:

(Start: 10 @43556 has 44 MA's), (82, 44051), (95, 44090), (97, 44102), (100, 44108), (114, 44165), (119, 44207), (120, 44213), (134, 44312), (135, 44315), (139, 44333), (148, 44366), (149, 44372), (152, 44384), (161, 44420), (172, 44462),

Gene: Wildcat_67 Start: 44523, Stop: 45428, Start Num: 23

Candidate Starts for Wildcat_67:

(Start: 23 @44523 has 6 MA's), (42, 44676), (Start: 44 @44685 has 1 MA's), (46, 44691), (51, 44721), (52, 44733), (55, 44784), (67, 44892), (72, 44913), (74, 44928), (86, 44976), (103, 45042), (106, 45051), (117, 45108), (143, 45276), (146, 45294), (162, 45360), (164, 45366), (168, 45381), (176, 45417),

Gene: Wilder_62 Start: 43502, Stop: 44434, Start Num: 10

Candidate Starts for Wilder_62:

(Start: 10 @43502 has 44 MA's), (Start: 40 @43700 has 3 MA's), (82, 43997), (95, 44036), (97, 44048), (100, 44054), (114, 44111), (119, 44153), (120, 44159), (134, 44258), (135, 44261), (139, 44279), (148, 44312), (149, 44318), (152, 44330), (161, 44366), (172, 44408),

Gene: Willez_62 Start: 42326, Stop: 43294, Start Num: 6

Candidate Starts for Willez_62:

(Start: 6 @42326 has 128 MA's), (Start: 8 @42365 has 1 MA's), (Start: 11 @42371 has 1 MA's), (20, 42395), (22, 42413), (35, 42545), (38, 42560), (Start: 39 @42563 has 17 MA's), (Start: 40 @42566 has 3 MA's), (55, 42683), (57, 42701), (97, 42914), (136, 43130), (138, 43142), (140, 43148), (149, 43184), (161, 43232), (174, 43280),

Gene: Winky_61 Start: 43496, Stop: 44428, Start Num: 10

Candidate Starts for Winky_61:

(Start: 10 @43496 has 44 MA's), (Start: 40 @43694 has 3 MA's), (82, 43991), (95, 44030), (97, 44042), (100, 44048), (114, 44105), (119, 44147), (120, 44153), (134, 44252), (135, 44255), (139, 44273), (148, 44306), (149, 44312), (152, 44324), (161, 44360), (172, 44402),

Gene: Wyatt2_60 Start: 41782, Stop: 42714, Start Num: 10

Candidate Starts for Wyatt2_60:

(Start: 10 @41782 has 44 MA's), (Start: 40 @41980 has 3 MA's), (82, 42277), (84, 42283), (91, 42304), (95, 42316), (97, 42328), (100, 42334), (111, 42382), (113, 42388), (119, 42433), (120, 42439), (122, 42451), (134, 42538), (135, 42541), (136, 42544), (139, 42559), (152, 42610), (161, 42646), (172, 42688),

Gene: Xandras_66 Start: 43541, Stop: 44509, Start Num: 6

Candidate Starts for Xandras_66:

(Start: 6 @43541 has 128 MA's), (Start: 8 @43580 has 1 MA's), (Start: 11 @43586 has 1 MA's), (20, 43610), (22, 43628), (35, 43760), (38, 43775), (Start: 39 @43778 has 17 MA's), (Start: 40 @43781 has 3 MA's), (55, 43898), (57, 43916), (97, 44129), (136, 44345), (138, 44357), (140, 44363), (149, 44399), (161, 44447), (174, 44495),

Gene: YassJohnny_64 Start: 43499, Stop: 44467, Start Num: 6

Candidate Starts for YassJohnny_64:

(Start: 6 @43499 has 128 MA's), (Start: 8 @43538 has 1 MA's), (Start: 11 @43544 has 1 MA's), (20, 43568), (22, 43586), (35, 43718), (38, 43733), (Start: 39 @43736 has 17 MA's), (Start: 40 @43739 has 3 MA's), (55, 43856), (57, 43874), (97, 44087), (136, 44303), (138, 44315), (140, 44321), (149, 44357), (161, 44405), (174, 44453),

Gene: Youngblood_70 Start: 45011, Stop: 45979, Start Num: 6

Candidate Starts for Youngblood_70:

(Start: 6 @45011 has 128 MA's), (Start: 8 @45050 has 1 MA's), (Start: 11 @45056 has 1 MA's), (20, 45080), (22, 45098), (35, 45230), (38, 45245), (Start: 39 @45248 has 17 MA's), (Start: 40 @45251 has 3 MA's), (55, 45368), (57, 45386), (97, 45599), (136, 45815), (138, 45827), (140, 45833), (149, 45869), (161, 45917), (174, 45965),

Gene: Zakai_62 Start: 43822, Stop: 44754, Start Num: 10

Candidate Starts for Zakai_62:

(Start: 10 @43822 has 44 MA's), (Start: 40 @44020 has 3 MA's), (82, 44317), (95, 44356), (97, 44368), (100, 44374), (114, 44431), (119, 44473), (120, 44479), (134, 44578), (135, 44581), (139, 44599), (148, 44632), (149, 44638), (152, 44650), (161, 44686), (172, 44728),

Gene: Zaria_60 Start: 41867, Stop: 42850, Start Num: 6

Candidate Starts for Zaria_60:

(Start: 6 @41867 has 128 MA's), (Start: 10 @41909 has 44 MA's), (15, 41930), (Start: 40 @42116 has 3 MA's), (82, 42413), (84, 42419), (91, 42440), (95, 42452), (97, 42464), (111, 42518), (113, 42524), (119, 42569), (120, 42575), (122, 42587), (134, 42674), (135, 42677), (136, 42680), (139, 42695), (148, 42728), (151, 42740), (152, 42746), (161, 42782), (169, 42815), (172, 42824),

Gene: ZhongYanYuan_59 Start: 43391, Stop: 44323, Start Num: 10

Candidate Starts for ZhongYanYuan_59:

(Start: 10 @43391 has 44 MA's), (Start: 40 @43589 has 3 MA's), (82, 43886), (95, 43925), (97, 43937), (113, 43997), (114, 44000), (119, 44042), (122, 44060), (124, 44081), (134, 44147), (135, 44150), (139, 44168), (152, 44219), (155, 44231), (161, 44255), (172, 44297),

Gene: Ziko_85 Start: 44502, Stop: 45272, Start Num: 27

Candidate Starts for Ziko_85:

(Start: 27 @44502 has 6 MA's), (34, 44547), (38, 44568), (47, 44607), (48, 44610), (56, 44691), (67, 44781), (68, 44793), (72, 44802), (84, 44862), (95, 44895), (97, 44907), (112, 44973), (114, 44979), (120, 45018), (134, 45117), (135, 45120), (148, 45171),

Gene: xkcd_70 Start: 45201, Stop: 46169, Start Num: 6

Candidate Starts for xkcd_70:

(Start: 6 @45201 has 128 MA's), (Start: 8 @45240 has 1 MA's), (Start: 11 @45246 has 1 MA's), (20, 45270), (22, 45288), (35, 45420), (38, 45435), (Start: 39 @45438 has 17 MA's), (Start: 40 @45441 has 3 MA's), (55, 45558), (57, 45576), (97, 45789), (136, 46005), (138, 46017), (140, 46023), (149, 46059), (161, 46107), (174, 46155),