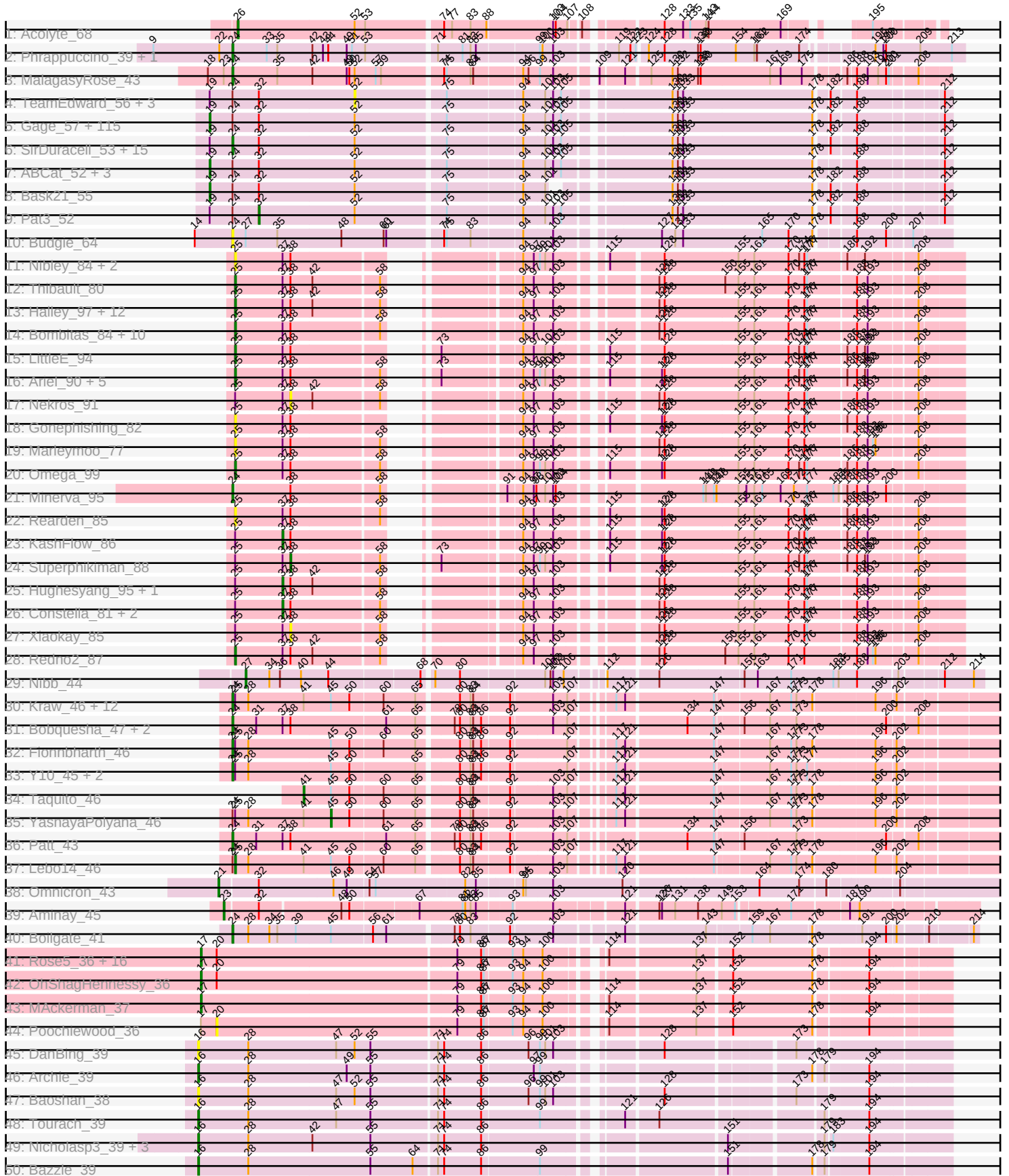
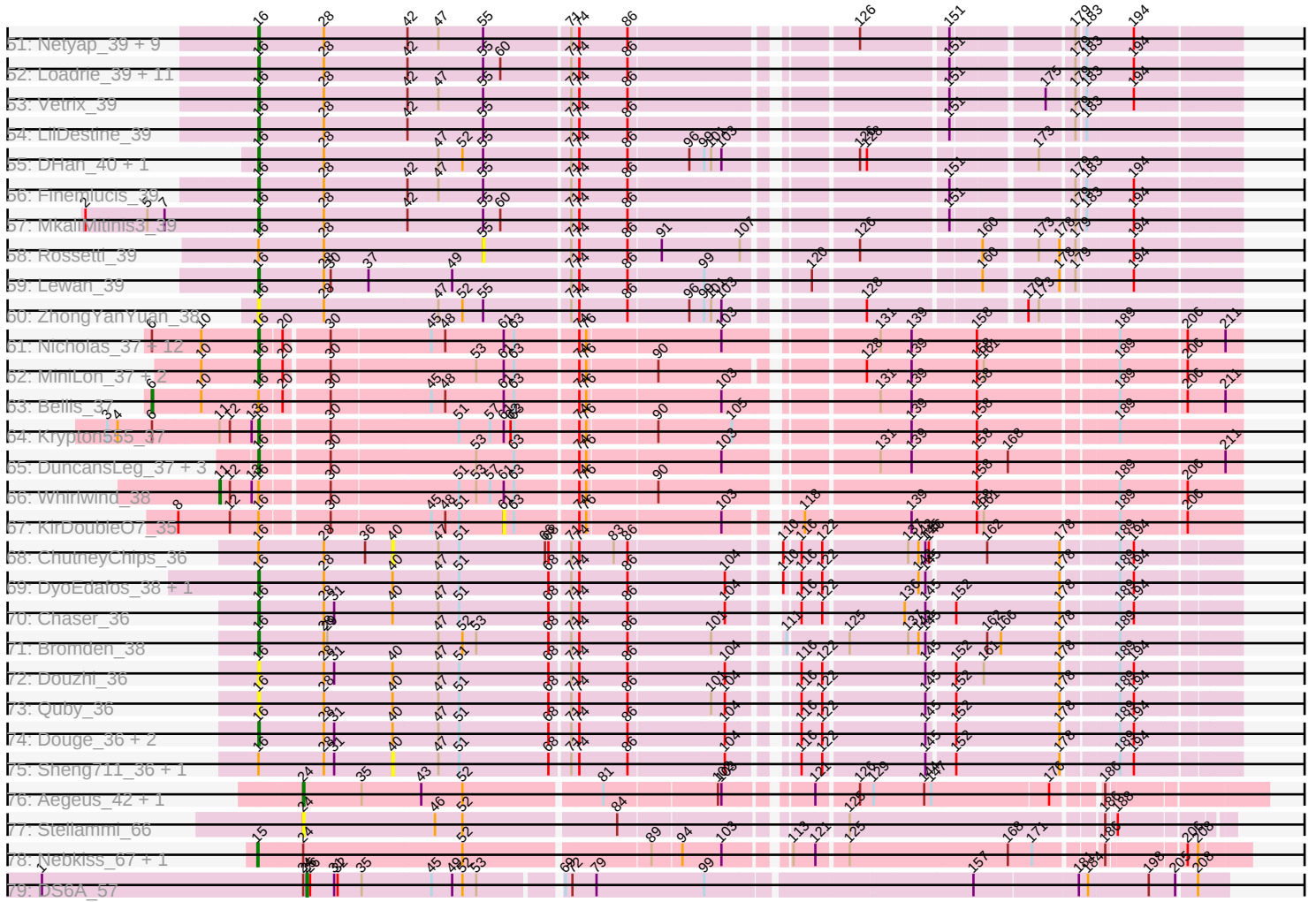


Pham 280012



Pham 280012



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 280012 Report

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

Pham number 280012 has 327 members, 55 are drafts.

Phages represented in each track:

- Track 1 : Acolyte_68
- Track 2 : Phrappuccino_39, Settecandela_39
- Track 3 : MalagasyRose_43
- Track 4 : TeamEdward_56, MollyToe_49, Bogg_54, Greep_58
- Track 5 : Gage_57, Kanye_50, TeardropMSU_50, Henry_53, Lilac_57, Wiggin_56, Simpliphy_53, GooberAzure_57, Adnama_58, DrDrey_54, Youngblood_56, BaboJay_50, Goldilocks_56, Holt_59, Elph10_54, Cookies_51, ChotaBhai_54, Paperbeatsrock_53, Murica_56, Policronamos_57, Murphy_56, BilboSwaggins_53, Filch_55, Stank_58, Gemini_58, Saints25_55, Gator_52, Barbarian_54, PhatBacter_57, Dumbo_54, Dusk_52, Phrux_52, Daikon_55, Elite2014_54, Contagion_51, MadamMonkfish_54, Manda_54, FoghornLeghorn_49, JeTaime_55, Tuco_55, Brewer_49, MISSy_54, Phaux_56, Czystczon1_55, Porky_53, Tarkin_53, Amao_54, NoSleep_56, Glexan_52, Nala_55, BadStone_52, Phaja_52, xkcd_58, HufflyPuff_56, Traaww1_50, Hopey_54, Asriel_54, NelitzaMV_51, Lilpickle_54, Willez_48, DoctorDiddles_54, Goku_52, BigBubba_55, Buck_55, FireRed_57, Lilizi_54, Bruin_50, ShereKhan_52, Thresher_57, Xandras_54, Harella_54, Easy2Say_55, IHOP_52, Qualification_55, RiverMonster_55, Terminus_56, AmericanBeauty_58, StolenFromERC_57, Kimchi_57, Bench_56, Pharsalus_52, Balomoji_53, Thimble_56, StellaBean_52, Becksu_55, OrionPax_53, Stark_55, CrystalP_54, Mindy_53, 244_55, Sassay_48, Tomaszewski_50, Hoonter_57, Command613_56, Mosby_50, FairyPath_54, Misfit_56, Cjw1_54, MPhalcon_54, Icee_54, Maxxinista_57, Ukulele_51, Nimrod_57, ChosenOne_55, Rimmer_55, ShamWow_54, HanKaySha_53, Moldemort_57, Sotrice96_55, Miniwave_51, SophKB_51, Pumpkin_56, Highbury_55, BugsBunny_55, Cactus_56, Eureka_52
- Track 6 : SirDuracell_53, Argent26_57, Toto_53, Kostya_55, StormChicken_56, Flypotenuse_49, Rakim_56, Emmina_54, Petra64142_59, Palpatine_57, GoldenSpark_57, Ptowny_53, NonchalantPear_54, TBrady12_57, YassJohnny_50, Teaspoon_55
- Track 7 : ABCat_52, Inca_51, Myrale_54, Marshmallow_53
- Track 8 : Bask21_55
- Track 9 : Pat3_52
- Track 10 : Budgie_64
- Track 11 : Nibley_84, BronnyJames_89, Shaboozey_88
- Track 12 : Thibault_80
- Track 13 : Halley_97, BAKA_97, EricMillard_89, Pound_87, Bobby_87, Phoebus_97, Schatzie_90, DmpstrDiver_97, Odette_95, ThreeRngTarjay_92, Kalah2_89, Yeet_88, HokkenD_84

- Track 14 : Bombitas_84, Duke13_91, Optimus_89, Ejimix_89, Beem_96, Klein_96, Hidrated_81, JuicyJay_92, Wanda_99, NihilNomen_97, Dallas_97
- Track 15 : LittleE_94
- Track 16 : Ariel_90, Courthouse_86, Lucky2013_88, Porcelain_89, MiaZeal_91, Squint_89
- Track 17 : Nekros_91
- Track 18 : Gonephishing_82
- Track 19 : Marleymoos_77
- Track 20 : Omega_99
- Track 21 : Minerva_95
- Track 22 : Rearden_85
- Track 23 : KashFlow_86
- Track 24 : Superphikiman_88
- Track 25 : Hughesyang_95, Hannaconda_82
- Track 26 : Constella_81, Bagrid_94, Zelink_92
- Track 27 : Xiaokay_85
- Track 28 : Redno2_87
- Track 29 : Nibb_44
- Track 30 : Kraw_46, SamScheppers_45, Chancellor_46, Juliette_48, Eponine_48, Slarp_46, Cheetobro_46, OmniCritical_45, DanSyl44_50, Wintermute_46, Ruthiejr_47, Mitti_46, Malthus_47
- Track 31 : Bobquesha_47, MissDaisy_44, Reptar3000_44
- Track 32 : Fionnbharth_46
- Track 33 : Y10_45, JF1_46, Y2_45
- Track 34 : Taquito_46
- Track 35 : YasnayaPolyana_46
- Track 36 : Patt_43
- Track 37 : Lebo14_46
- Track 38 : Omnicron_43
- Track 39 : Aminay_45
- Track 40 : Boilgate_41
- Track 41 : Rose5_36, Calm_37, Tyson_36, CicholasNage_37, Halena_36, Wyatt2_37, Enceladus_36, Zaria_37, Wamburggrxpress_37, Acquire49_37, Appletree2_36, LeBron_37, DirkDirk_36, UPIE_37, JoeDirt_36, AvadaKedavra_37, Silverleaf_36
- Track 42 : OhShagHennessey_36
- Track 43 : MAckerman_37
- Track 44 : Poochiewood_36
- Track 45 : DanBing_39
- Track 46 : Archie_39
- Track 47 : Baoshan_38
- Track 48 : Tourach_39
- Track 49 : Nicholasp3_39, Underpass_39, Rumpelstiltskin_39, Gardann_39
- Track 50 : Bazzle_39
- Track 51 : Netyap_39, Faith1_39, Breezona_39, SoJulia_40, Winky_39, Gabriela_39, BigCheese_39, DrSeegs_39, Miley16_39, BobsGarage_39
- Track 52 : Loadrie_39, Kahlid_39, Soap141_39, OverPar_40, Lynnae_39, GuuelaD_39, Crossroads_39, Sarshaun_39, Wigglewiggles_39, Zakai_39, Hafay_39, Wilder_39
- Track 53 : Vetrix_39
- Track 54 : LilDestine_39
- Track 55 : DHan_40, Claus_39
- Track 56 : Finemlucis_39

- Track 57 : MkaliMitinis3_39
- Track 58 : Rossetti_39
- Track 59 : Lewan_39
- Track 60 : ZhongYanYuan_38
- Track 61 : Nicholas_37, Red305_37, Lumos_37, Jubie_37, Clautastrophe_37, Samty_37, Finnry_37, MsGreen_37, Snenia_37, Jobypre_37, Kingsolomon_37, TriFive_37, Moostard_37
- Track 62 : MiniLon_37, MiniMac_37, Lolly9_37
- Track 63 : Bellis_37
- Track 64 : Krypton555_37
- Track 65 : DuncansLeg_37, LiyuLake_37, BourbonZero_36, Ellson_37
- Track 66 : Whirlwind_38
- Track 67 : KirDoubleO7_35
- Track 68 : ChutneyChips_36
- Track 69 : DyoEdafos_38, Kropertea_36
- Track 70 : Chaser_36
- Track 71 : Bromden_38
- Track 72 : Douzhi_36
- Track 73 : Quby_36
- Track 74 : Douge_36, BrainDrainer_37, PYPDinur_36
- Track 75 : Sheng711_36, FarmResident_36
- Track 76 : Aegeus_42, Baudelaire_42
- Track 77 : Stellammi_66
- Track 78 : Nebkiss_67, Gaia_67
- Track 79 : DS6A_57

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

The start number called the most often in the published annotations is 19, it was called in 114 of the 272 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• 244_55, ABCat_52, Adnama_58, Amao_54, AmericanBeauty_58, Asriel_54, BaboJay_50, BadStone_52, Balomoji_53, Barbarian_54, Bask21_55, Becksu_55, Bench_56, BigBubba_55, BilboSwaggins_53, Brewer_49, Bruin_50, Buck_55, BugsBunny_55, Cactus_56, ChosenOne_55, ChotaBhai_54, Cjw1_54, Command613_56, Contagion_51, Cookies_51, CrystalP_54, Czyszczo1_55, Daikon_55, DoctorDiddles_54, DrDrey_54, Dumbo_54, Dusk_52, Easy2Say_55, Elite2014_54, Elph10_54, Eureka_52, FairyPath_54, Filch_55, FireRed_57, FoghornLeghorn_49, Gage_57, Gator_52, Gemini_58, Glexan_52, Goku_52, Goldilocks_56, GooberAzure_57, HanKaySha_53, Harella_54, Henry_53, Highbury_55, Holt_59, Hoonter_57, Hopey_54, HufflyPuff_56, IHOP_52, Icee_54, Inca_51, JeTaime_55, Kanye_50, Kimchi_57, Lilac_57, Lilizi_54, Lilpickle_54, MISSy_54, MPhalcon_54, MadamMonkfish_54, Manda_54, Marshmallow_53, Maxxinista_57, Mindy_53, Miniwave_51, Misfit_56, Moldemort_57, Mosby_50, Murica_56, Murphy_56, Myrale_54, Nala_55, NelitzaMV_51, Nimrod_57, NoSleep_56, OrionPax_53, Paperbeatsrock_53, Phaja_52, Pharsalus_52, PhatBacter_57, Phaux_56, Phrux_52, Policronamos_57, Porky_53, Pumpkin_56, Quallification_55, Rimmer_55, RiverMonster_55, Saints25_55, Sassay_48, ShamWow_54, ShereKhan_52, Simpliphy_53, SophKB_51, Sotrice96_55, Stank_58,

Stark_55, StellaBean_52, StolenFromERC_57, Tarkin_53, TeardropMSU_50, Terminus_56, Thimble_56, Thresher_57, Tomaszewski_50, Traaww1_50, Tuco_55, Ukulele_51, Wiggin_56, Willez_48, Xandras_54, Youngblood_56, xkcd_58,

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

- Argent26_57, Bogg_54, Emmina_54, Flypotenuse_49, GoldenSpark_57, Greep_58, Kostya_55, MollyToe_49, NonchalantPear_54, Palpatine_57, Pat3_52, Petra64142_59, Ptowny_53, Rakim_56, SirDuracell_53, StormChicken_56, TBrady12_57, TeamEdward_56, Teaspoon_55, Toto_53, YassJohnny_50,

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

- Acolyte_68, Acquire49_37, Aegeus_42, Aminay_45, Appletree2_36, Archie_39, Ariel_90, AvadaKedavra_37, BAKA_97, Bagrid_94, Baoshan_38, Baudelaire_42, Bazzle_39, Beem_96, Bellis_37, BigCheese_39, Bobby_87, Bobquesha_47, BobsGarage_39, Boilgate_41, Bombitas_84, BourbonZero_36, BrainDrainer_37, Breezona_39, Bromden_38, BronnyJames_89, Budgie_64, Calm_37, Chancellor_46, Chaser_36, Cheetobro_46, ChutneyChips_36, CicholasNage_37, Claus_39, Clautastrophe_37, Constella_81, Courthouse_86, Crossroads_39, DHan_40, DS6A_57, Dallas_97, DanBing_39, DanSyl44_50, DirkDirk_36, DmpstrDiver_97, Douge_36, Douzhi_36, DrSeegs_39, Duke13_91, DuncansLeg_37, DyoEdafos_38, Ejimix_89, Ellson_37, Enceladus_36, Eponine_48, EricMillard_89, Faith1_39, FarmResident_36, Finemlucis_39, Finnry_37, Fionnbharth_46, Gabriela_39, Gaia_67, Gardann_39, Gonephishing_82, GuuelaD_39, Hafay_39, Halena_36, Halley_97, Hannaconda_82, Hidrated_81, HokkenD_84, Hughesyang_95, JF1_46, Jobypre_37, JoeDirt_36, Jubie_37, JuicyJay_92, Juliette_48, Kahlid_39, Kalah2_89, KashFlow_86, Kingsolomon_37, KirDoubleO7_35, Klein_96, Kraw_46, Kropertea_36, Krypton555_37, LeBron_37, Lebo14_46, Lewan_39, LilDestine_39, LittleE_94, LiyuLake_37, Loadrie_39, Lolly9_37, Lucky2013_88, Lumos_37, Lynnae_39, MAckerman_37, MalagasyRose_43, Malthus_47, Marleymoo_77, MiaZeal_91, Miley16_39, Minerva_95, MiniLon_37, MiniMac_37, MissDaisy_44, Mitti_46, MkaliMitinis3_39, Moostard_37, MsGreen_37, Nebkiss_67, Nekros_91, Netyap_39, Nibb_44, Nibley_84, Nicholas_37, Nicholasp3_39, NihilNomen_97, Odette_95, OhShagHennessy_36, Omega_99, OmniCritical_45, Omnicron_43, Optimus_89, OverPar_40, PYPDinur_36, Patt_43, Phoebus_97, Phrappuccino_39, Poochiewood_36, Porcelain_89, Pound_87, Quby_36, Rearden_85, Red305_37, Redno2_87, Reptar3000_44, Rose5_36, Rossetti_39, Rumpelstiltskin_39, Ruthiejr_47, SamScheppers_45, Samty_37, Sarshaun_39, Schatzie_90, Settecandela_39, Shaboozey_88, Sheng711_36, Silverleaf_36, Slarp_46, Snenia_37, SoJulia_40, Soap141_39, Squint_89, Stellammi_66, Superphikiman_88, Taquito_46, Thibault_80, ThreeRngTarjay_92, Tourach_39, TriFive_37, Tyson_36, UPIE_37, Underpass_39, Vetrix_39, Wamburggrxpress_37, Wanda_99, Whirlwind_38, Wigglewiggle_39, Wilder_39, Winky_39, Wintermute_46, Wyatt2_37, Xiaokay_85, Y10_45, Y2_45, YasnayaPolyana_46, Yeet_88, Zakai_39, Zaria_37, Zelink_92, ZhongYanYuan_38,

Summary by start number:

Start 6:

- Found in 15 of 327 (4.6%) of genes in pham
- Manual Annotations of this start: 1 of 272
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Bellis_37 (L3),

Start 11:

- Found in 2 of 327 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 272
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Whirlwind_38 (L3),

Start 15:

- Found in 2 of 327 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 272
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Gaia_67 (X), Nebkiss_67 (X),

Start 16:

- Found in 76 of 327 (23.2%) of genes in pham
- Manual Annotations of this start: 50 of 272
- Called 90.8% of time when present
- Phage (with cluster) where this start called: Archie_39 (L2), Baoshan_38 (L2), Bazzle_39 (L2), BigCheese_39 (L2), BobsGarage_39 (L2), BourbonZero_36 (L3), BrainDrainer_37 (L4), Breezonia_39 (L2), Bromden_38 (L4), Chaser_36 (L4), Claus_39 (L2), Clautastrophe_37 (L3), Crossroads_39 (L2), DHan_40 (L2), DanBing_39 (L2), Douge_36 (L4), Douzhi_36 (L4), DrSeegs_39 (L2), DuncansLeg_37 (L3), DyoEdafos_38 (L4), Ellson_37 (L3), Faith1_39 (L2), Finemlucis_39 (L2), Finnry_37 (L3), Gabriela_39 (L2), Gardann_39 (L2), GuuelaD_39 (L2), Hafay_39 (L2), Jobypre_37 (L3), Jubie_37 (L3), Kahlid_39 (L2), Kingsolomon_37 (L3), Kropertea_36 (L4), Krypton555_37 (L3), Lewan_39 (L2), LilDestine_39 (L2), LiyuLake_37 (L3), Loadrie_39 (L2), Lolly9_37 (L3), Lumos_37 (L3), Lynnae_39 (L2), Miley16_39 (L2), MiniLon_37 (L3), MiniMac_37 (L3), MkaliMitinis3_39 (L2), Moostard_37 (L3), MsGreen_37 (L3), Netyap_39 (L2), Nicholas_37 (L3), Nicholasp3_39 (L2), OverPar_40 (L2), PYPDinur_36 (L4), Quby_36 (L4), Red305_37 (L3), Rumpelstiltskin_39 (L2), Samty_37 (L3), Sarshaun_39 (L2), Snenia_37 (L3), SoJulia_40 (L2), Soap141_39 (L2), Tourach_39 (L2), TriFive_37 (L3), Underpass_39 (L2), Vetrix_39 (L2), Wigglewiggle_39 (L2), Wilder_39 (L2), Winky_39 (L2), Zakai_39 (L2), ZhongYanYuan_38 (L2),

Start 17:

- Found in 20 of 327 (6.1%) of genes in pham
- Manual Annotations of this start: 19 of 272
- Called 95.0% of time when present
- Phage (with cluster) where this start called: Acquire49_37 (L1), Appletree2_36 (L1), AvadaKedavra_37 (L1), Calm_37 (L1), CicholasNage_37 (L1), DirkDirk_36 (L1), Enceladus_36 (L1), Halena_36 (L1), JoeDirt_36 (L1), LeBron_37 (L1), MAckerman_37 (L1), OhShagHennessy_36 (L1), Rose5_36 (L1), Silverleaf_36 (L1), Tyson_36 (L1), UPIE_37 (L1), Wamburgxpress_37 (L1), Wyatt2_37 (L1), Zaria_37 (L1),

Start 19:

- Found in 142 of 327 (43.4%) of genes in pham
- Manual Annotations of this start: 114 of 272
- Called 85.2% of time when present
- Phage (with cluster) where this start called: 244_55 (E), ABCat_52 (E), Adnama_58 (E), Amao_54 (E), AmericanBeauty_58 (E), Asriel_54 (E), BaboJay_50 (E), BadStone_52 (E), Balomoji_53 (E), Barbarian_54 (E), Bask21_55 (E), Becksu_55 (E), Bench_56 (E), BigBubba_55 (E), BilboSwaggins_53 (E), Brewer_49 (E), Bruin_50

(E), Buck_55 (E), BugsBunny_55 (E), Cactus_56 (E), ChosenOne_55 (E), ChotaBhai_54 (E), Cjw1_54 (E), Command613_56 (E), Contagion_51 (E), Cookies_51 (E), CrystalP_54 (E), Czysty1_55 (E), Daikon_55 (E), DoctorDiddles_54 (E), DrDrey_54 (E), Dumbo_54 (E), Dusk_52 (E), Easy2Say_55 (E), Elite2014_54 (E), Elph10_54 (E), Eureka_52 (E), FairyPath_54 (E), Filch_55 (E), FireRed_57 (E), FoghornLeghorn_49 (E), Gage_57 (E), Gator_52 (E), Gemini_58 (E), Glexan_52 (E), Goku_52 (E), Goldilocks_56 (E), GooberAzure_57 (E), HanKaySha_53 (E), Harella_54 (E), Henry_53 (E), Highbury_55 (E), Holt_59 (E), Hoonter_57 (E), Hopey_54 (E), HufflyPuff_56 (E), IHOP_52 (E), Icee_54 (E), Inca_51 (E), JeTaime_55 (E), Kanye_50 (E), Kimchi_57 (E), Lilac_57 (E), Lilizi_54 (E), Lilpickle_54 (E), MISSy_54 (E), MPhalcon_54 (E), MadamMonkfish_54 (E), Manda_54 (E), Marshmallow_53 (E), Maxxinista_57 (E), Mindy_53 (E), Miniwave_51 (E), Misfit_56 (E), Moldemort_57 (E), Mosby_50 (E), Murica_56 (E), Murphy_56 (E), Myrale_54 (E), Nala_55 (E), NelitzaMV_51 (E), Nimrod_57 (E), NoSleep_56 (E), OrionPax_53 (E), Paperbeatsrock_53 (E), Phaja_52 (E), Pharsalus_52 (E), PhatBacter_57 (E), Phaux_56 (E), Phrux_52 (E), Policronamos_57 (E), Porky_53 (E), Pumpkin_56 (E), Qualification_55 (E), Rimmer_55 (E), RiverMonster_55 (E), Saints25_55 (E), Sassay_48 (E), ShamWow_54 (E), ShereKhan_52 (E), Simpliphy_53 (E), SophKB_51 (E), Sotrice96_55 (E), Stank_58 (E), Stark_55 (E), StellaBean_52 (E), StolenFromERC_57 (E), Tarkin_53 (E), TeardropMSU_50 (E), Terminus_56 (E), Thimble_56 (E), Thresher_57 (E), Tomaszewski_50 (E), Traaww1_50 (E), Tuco_55 (E), Ukulele_51 (E), Wiggin_56 (E), Willez_48 (E), Xandras_54 (E), Youngblood_56 (E), xkcd_58 (E),

Start 20:

- Found in 36 of 327 (11.0%) of genes in pham
- No Manual Annotations of this start.
- Called 2.8% of time when present
- Phage (with cluster) where this start called: Poochiewood_36 (L1),

Start 21:

- Found in 1 of 327 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 272
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Omnicron_43 (K5),

Start 23:

- Found in 2 of 327 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 272
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Aminay_45 (K7),

Start 24:

- Found in 177 of 327 (54.1%) of genes in pham
- Manual Annotations of this start: 38 of 272
- Called 26.0% of time when present
- Phage (with cluster) where this start called: Aegeus_42 (L5), Argent26_57 (E), Baudelaire_42 (L5), Bobquesha_47 (K4), Boilgate_41 (K8), Budgie_64 (E), Chancellor_46 (K4), Cheetobro_46 (K4), DanSyl44_50 (K4), Emmina_54 (E), Eponine_48 (K4), Fionnbharth_46 (K4), Flypotenuse_49 (E), GoldenSpark_57 (E), JF1_46 (K4), Juliette_48 (K4), Kostya_55 (E), Kraw_46 (K4), MalagasyRose_43 (AG), Malthus_47 (K4), Minerva_95 (J), MissDaisy_44 (K4), Mitti_46 (K4), NonchalantPear_54 (E), OmniCritical_45 (K4), Palpatine_57 (E), Patt_43 (K4),

Petra64142_59 (E), Phrappuccino_39 (AA), Ptowny_53 (E), Rakim_56 (E), Reptar3000_44 (K4), Ruthiejr_47 (K4), SamScheppers_45 (K4), Settecandela_39 (AA), SirDuracell_53 (E), Slarp_46 (K4), Stellammi_66 (UNK), StormChicken_56 (E), TBrady12_57 (E), Teaspoon_55 (E), Toto_53 (E), Wintermute_46 (K4), Y10_45 (K4), Y2_45 (K4), YassJohnny_50 (E),

Start 25:

- Found in 69 of 327 (21.1%) of genes in pham
- Manual Annotations of this start: 34 of 272
- Called 60.9% of time when present
- Phage (with cluster) where this start called: Ariel_90 (J), BAKA_97 (J), Beem_96 (J), Bobby_87 (J), Bombitas_84 (J), BronnyJames_89 (J), Courthouse_86 (J), DS6A_57 (singleton), Dallas_97 (J), DmpstrDiver_97 (J), Duke13_91 (J), Ejimix_89 (J), EricMillard_89 (J), Gonephishing_82 (J), Halley_97 (J), Hidrated_81 (J), HokkenD_84 (J), JuicyJay_92 (J), Kalah2_89 (J), Klein_96 (J), Lebo14_46 (K4), LittleE_94 (J), Lucky2013_88 (J), Marleymoo_77 (J), MiaZeal_91 (J), Nibley_84 (J), NihilNomen_97 (J), Odette_95 (J), Omega_99 (J), Optimus_89 (J), Phoebus_97 (J), Porcelain_89 (J), Pound_87 (J), Rearden_85 (J), Redno2_87 (J), Schatzie_90 (J), Shaboozey_88 (J), Squint_89 (J), Thibault_80 (J), ThreeRngTarjay_92 (J), Wanda_99 (J), Yeet_88 (J),

Start 26:

- Found in 2 of 327 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 272
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Acolyte_68 (A2),

Start 27:

- Found in 2 of 327 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 272
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Nibb_44 (K1),

Start 32:

- Found in 145 of 327 (44.3%) of genes in pham
- Manual Annotations of this start: 1 of 272
- Called 0.7% of time when present
- Phage (with cluster) where this start called: Pat3_52 (E),

Start 37:

- Found in 54 of 327 (16.5%) of genes in pham
- Manual Annotations of this start: 5 of 272
- Called 11.1% of time when present
- Phage (with cluster) where this start called: Bagrid_94 (J), Constella_81 (J), Hannaconda_82 (J), Hughesyang_95 (J), KashFlow_86 (J), Zelink_92 (J),

Start 38:

- Found in 54 of 327 (16.5%) of genes in pham
- Manual Annotations of this start: 1 of 272
- Called 5.6% of time when present
- Phage (with cluster) where this start called: Nekros_91 (J), Superphikiman_88 (J), Xiaokay_85 (J),

Start 40:

- Found in 12 of 327 (3.7%) of genes in pham
- No Manual Annotations of this start.
- Called 25.0% of time when present
- Phage (with cluster) where this start called: ChutneyChips_36 (L4), FarmResident_36 (L4), Sheng711_36 (L4),

Start 41:

- Found in 16 of 327 (4.9%) of genes in pham
- Manual Annotations of this start: 1 of 272
- Called 6.2% of time when present
- Phage (with cluster) where this start called: Taquito_46 (K4),

Start 45:

- Found in 37 of 327 (11.3%) of genes in pham
- Manual Annotations of this start: 1 of 272
- Called 2.7% of time when present
- Phage (with cluster) where this start called: YasnayaPolyana_46 (K4),

Start 52:

- Found in 156 of 327 (47.7%) of genes in pham
- No Manual Annotations of this start.
- Called 2.6% of time when present
- Phage (with cluster) where this start called: Bogg_54 (E), Greep_58 (E), MollyToe_49 (E), TeamEdward_56 (E),

Start 55:

- Found in 39 of 327 (11.9%) of genes in pham
- No Manual Annotations of this start.
- Called 2.6% of time when present
- Phage (with cluster) where this start called: Rossetti_39 (L2),

Start 61:

- Found in 26 of 327 (8.0%) of genes in pham
- No Manual Annotations of this start.
- Called 3.8% of time when present
- Phage (with cluster) where this start called: KirDoubleO7_35 (L3),

Summary by clusters:

There are 18 clusters represented in this pham: AA, singleton, UNK, E, AG, L1, J, K1, L5, L4, A2, L2, L3, K7, K4, K5, X, K8,

Info for manual annotations of cluster A2:

- Start number 26 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster AA:

- Start number 24 was manually annotated 2 times for cluster AA.

Info for manual annotations of cluster AG:

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

Info for manual annotations of cluster E:

- Start number 19 was manually annotated 114 times for cluster E.

- Start number 24 was manually annotated 12 times for cluster E.
- Start number 32 was manually annotated 1 time for cluster E.

Info for manual annotations of cluster J:

- Start number 24 was manually annotated 1 time for cluster J.
- Start number 25 was manually annotated 32 times for cluster J.
- Start number 37 was manually annotated 5 times for cluster J.
- Start number 38 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster K1:

- Start number 27 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K4:

- Start number 24 was manually annotated 19 times for cluster K4.
- Start number 25 was manually annotated 1 time for cluster K4.
- Start number 41 was manually annotated 1 time for cluster K4.
- Start number 45 was manually annotated 1 time for cluster K4.

Info for manual annotations of cluster K5:

- Start number 21 was manually annotated 1 time for cluster K5.

Info for manual annotations of cluster K7:

- Start number 23 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 24 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:

- Start number 17 was manually annotated 19 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 16 was manually annotated 29 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 6 was manually annotated 1 time for cluster L3.
- Start number 11 was manually annotated 1 time for cluster L3.
- Start number 16 was manually annotated 17 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 16 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 24 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster X:

- Start number 15 was manually annotated 2 times for cluster X.

Gene Information:

Gene: 244_55 Start: 39721, Stop: 38948, Start Num: 19

Candidate Starts for 244_55:

(Start: 19 @39721 has 114 MA's), (Start: 24 @39697 has 38 MA's), (Start: 32 @39667 has 1 MA's), (52, 39559), (75, 39463), (94, 39382), (101, 39358), (103, 39349), (105, 39340), (130, 39235), (132, 39229), (133, 39223), (178, 39079), (182, 39067), (188, 39043), (212, 38956),

Gene: ABCat_52 Start: 40367, Stop: 39594, Start Num: 19

Candidate Starts for ABCat_52:

(Start: 19 @40367 has 114 MA's), (Start: 24 @40343 has 38 MA's), (Start: 32 @40313 has 1 MA's), (52, 40205), (75, 40109), (94, 40028), (101, 40004), (103, 39995), (105, 39986), (130, 39881), (132, 39875), (133, 39869), (178, 39725), (188, 39689), (212, 39602),

Gene: Acolyte_68 Start: 43894, Stop: 44586, Start Num: 26

Candidate Starts for Acolyte_68:

(Start: 26 @43894 has 1 MA's), (52, 44026), (53, 44038), (74, 44119), (77, 44128), (83, 44149), (88, 44167), (103, 44239), (104, 44242), (107, 44254), (108, 44263), (128, 44335), (133, 44356), (135, 44362), (143, 44380), (144, 44383), (169, 44464), (195, 44518),

Gene: Acquire49_37 Start: 32374, Stop: 31592, Start Num: 17

Candidate Starts for Acquire49_37:

(Start: 17 @32374 has 19 MA's), (20, 32356), (79, 32089), (86, 32062), (87, 32059), (93, 32029), (94, 32017), (100, 31996), (114, 31948), (137, 31855), (152, 31819), (178, 31729), (194, 31675),

Gene: Adnama_58 Start: 40390, Stop: 39617, Start Num: 19

Candidate Starts for Adnama_58:

(Start: 19 @40390 has 114 MA's), (Start: 24 @40366 has 38 MA's), (Start: 32 @40336 has 1 MA's), (52, 40228), (75, 40132), (94, 40051), (101, 40027), (103, 40018), (105, 40009), (130, 39904), (132, 39898), (133, 39892), (178, 39748), (182, 39736), (188, 39712), (212, 39625),

Gene: Aegeus_42 Start: 36206, Stop: 35445, Start Num: 24

Candidate Starts for Aegeus_42:

(Start: 24 @36206 has 38 MA's), (35, 36155), (43, 36104), (52, 36068), (81, 35954), (102, 35861), (103, 35858), (121, 35798), (126, 35765), (129, 35753), (144, 35711), (147, 35705), (176, 35606), (186, 35573),

Gene: Amao_54 Start: 39485, Stop: 38712, Start Num: 19

Candidate Starts for Amao_54:

(Start: 19 @39485 has 114 MA's), (Start: 24 @39461 has 38 MA's), (Start: 32 @39431 has 1 MA's), (52, 39323), (75, 39227), (94, 39146), (101, 39122), (103, 39113), (105, 39104), (130, 38999), (132, 38993), (133, 38987), (178, 38843), (182, 38831), (188, 38807), (212, 38720),

Gene: AmericanBeauty_58 Start: 40235, Stop: 39462, Start Num: 19

Candidate Starts for AmericanBeauty_58:

(Start: 19 @40235 has 114 MA's), (Start: 24 @40211 has 38 MA's), (Start: 32 @40181 has 1 MA's), (52, 40073), (75, 39977), (94, 39896), (101, 39872), (103, 39863), (105, 39854), (130, 39749), (132, 39743), (133, 39737), (178, 39593), (182, 39581), (188, 39557), (212, 39470),

Gene: Aminay_45 Start: 36061, Stop: 35288, Start Num: 23

Candidate Starts for Aminay_45:

(Start: 23 @36061 has 1 MA's), (Start: 32 @36025 has 1 MA's), (48, 35938), (50, 35929), (67, 35857), (81, 35809), (82, 35806), (83, 35800), (85, 35794), (93, 35758), (103, 35716), (121, 35647), (126, 35614), (127, 35611), (131, 35596), (138, 35572), (149, 35545), (153, 35530), (171, 35476), (187, 35416), (190, 35407),

Gene: Appletree2_36 Start: 32316, Stop: 31534, Start Num: 17

Candidate Starts for Appletree2_36:

(Start: 17 @32316 has 19 MA's), (20, 32298), (79, 32031), (86, 32004), (87, 32001), (93, 31971), (94, 31959), (100, 31938), (114, 31890), (137, 31797), (152, 31761), (178, 31671), (194, 31617),

Gene: Archie_39 Start: 33946, Stop: 33167, Start Num: 16

Candidate Starts for Archie_39:

(Start: 16 @33946 has 50 MA's), (28, 33889), (49, 33778), (55, 33751), (71, 33679), (74, 33673), (86, 33631), (97, 33574), (99, 33568), (178, 33307), (179, 33298), (194, 33253),

Gene: Argent26_57 Start: 39849, Stop: 39100, Start Num: 24

Candidate Starts for Argent26_57:

(Start: 19 @39873 has 114 MA's), (Start: 24 @39849 has 38 MA's), (Start: 32 @39819 has 1 MA's), (52, 39711), (75, 39615), (94, 39534), (101, 39510), (103, 39501), (105, 39492), (130, 39387), (132, 39381), (133, 39375), (178, 39231), (182, 39219), (188, 39195), (212, 39108),

Gene: Ariel_90 Start: 53471, Stop: 52764, Start Num: 25

Candidate Starts for Ariel_90:

(Start: 25 @53471 has 34 MA's), (Start: 37 @53417 has 5 MA's), (Start: 38 @53408 has 1 MA's), (58, 53312), (73, 53294), (94, 53213), (97, 53201), (99, 53195), (101, 53189), (103, 53180), (115, 53138), (127, 53087), (128, 53084), (155, 53003), (161, 52985), (170, 52946), (174, 52934), (176, 52928), (177, 52925), (186, 52883), (188, 52874), (192, 52865), (193, 52862), (208, 52811),

Gene: Asriel_54 Start: 38727, Stop: 37954, Start Num: 19

Candidate Starts for Asriel_54:

(Start: 19 @38727 has 114 MA's), (Start: 24 @38703 has 38 MA's), (Start: 32 @38673 has 1 MA's), (52, 38565), (75, 38469), (94, 38388), (101, 38364), (103, 38355), (105, 38346), (130, 38241), (132, 38235), (133, 38229), (178, 38085), (182, 38073), (188, 38049), (212, 37962),

Gene: AvadaKedavra_37 Start: 32383, Stop: 31601, Start Num: 17

Candidate Starts for AvadaKedavra_37:

(Start: 17 @32383 has 19 MA's), (20, 32365), (79, 32098), (86, 32071), (87, 32068), (93, 32038), (94, 32026), (100, 32005), (114, 31957), (137, 31864), (152, 31828), (178, 31738), (194, 31684),

Gene: BAKA_97 Start: 59373, Stop: 58666, Start Num: 25

Candidate Starts for BAKA_97:

(Start: 25 @59373 has 34 MA's), (Start: 37 @59319 has 5 MA's), (Start: 38 @59310 has 1 MA's), (42, 59286), (58, 59214), (94, 59115), (97, 59103), (103, 59082), (126, 58992), (128, 58986), (155, 58905), (161, 58887), (170, 58848), (176, 58830), (177, 58827), (188, 58776), (193, 58764), (208, 58713),

Gene: BaboJay_50 Start: 39273, Stop: 38500, Start Num: 19

Candidate Starts for BaboJay_50:

(Start: 19 @39273 has 114 MA's), (Start: 24 @39249 has 38 MA's), (Start: 32 @39219 has 1 MA's), (52, 39111), (75, 39015), (94, 38934), (101, 38910), (103, 38901), (105, 38892), (130, 38787), (132, 38781), (133, 38775), (178, 38631), (182, 38619), (188, 38595), (212, 38508),

Gene: BadStone_52 Start: 39936, Stop: 39163, Start Num: 19

Candidate Starts for BadStone_52:

(Start: 19 @39936 has 114 MA's), (Start: 24 @39912 has 38 MA's), (Start: 32 @39882 has 1 MA's), (52, 39774), (75, 39678), (94, 39597), (101, 39573), (103, 39564), (105, 39555), (130, 39450), (132, 39444), (133, 39438), (178, 39294), (182, 39282), (188, 39258), (212, 39171),

Gene: Bagrid_94 Start: 58185, Stop: 57532, Start Num: 37

Candidate Starts for Bagrid_94:

(Start: 25 @58239 has 34 MA's), (Start: 37 @58185 has 5 MA's), (Start: 38 @58176 has 1 MA's), (58, 58080), (94, 57981), (97, 57969), (103, 57948), (126, 57858), (128, 57852), (155, 57771), (161, 57753), (170, 57714), (176, 57696), (177, 57693), (188, 57642), (193, 57630), (208, 57579),

Gene: Balomoji_53 Start: 40204, Stop: 39431, Start Num: 19

Candidate Starts for Balomoji_53:

(Start: 19 @40204 has 114 MA's), (Start: 24 @40180 has 38 MA's), (Start: 32 @40150 has 1 MA's), (52, 40042), (75, 39946), (94, 39865), (101, 39841), (103, 39832), (105, 39823), (130, 39718), (132, 39712), (133, 39706), (178, 39562), (182, 39550), (188, 39526), (212, 39439),

Gene: Baoshan_38 Start: 33577, Stop: 32798, Start Num: 16

Candidate Starts for Baoshan_38:

(Start: 16 @33577 has 50 MA's), (28, 33520), (47, 33421), (52, 33400), (55, 33382), (71, 33310), (74, 33304), (86, 33262), (96, 33211), (99, 33199), (101, 33193), (103, 33184), (128, 33088), (173, 32956), (194, 32884),

Gene: Barbarian_54 Start: 38727, Stop: 37954, Start Num: 19

Candidate Starts for Barbarian_54:

(Start: 19 @38727 has 114 MA's), (Start: 24 @38703 has 38 MA's), (Start: 32 @38673 has 1 MA's), (52, 38565), (75, 38469), (94, 38388), (101, 38364), (103, 38355), (105, 38346), (130, 38241), (132, 38235), (133, 38229), (178, 38085), (182, 38073), (188, 38049), (212, 37962),

Gene: Bask21_55 Start: 39043, Stop: 38288, Start Num: 19

Candidate Starts for Bask21_55:

(Start: 19 @39043 has 114 MA's), (Start: 24 @39019 has 38 MA's), (Start: 32 @38989 has 1 MA's), (52, 38881), (75, 38785), (94, 38704), (101, 38680), (130, 38575), (132, 38569), (133, 38563), (178, 38419), (182, 38407), (188, 38383), (212, 38296),

Gene: Baudelaire_42 Start: 36206, Stop: 35445, Start Num: 24

Candidate Starts for Baudelaire_42:

(Start: 24 @36206 has 38 MA's), (35, 36155), (43, 36104), (52, 36068), (81, 35954), (102, 35861), (103, 35858), (121, 35798), (126, 35765), (129, 35753), (144, 35711), (147, 35705), (176, 35606), (186, 35573),

Gene: Bazzle_39 Start: 33979, Stop: 33200, Start Num: 16

Candidate Starts for Bazzle_39:

(Start: 16 @33979 has 50 MA's), (28, 33922), (55, 33784), (64, 33736), (71, 33712), (74, 33706), (86, 33664), (99, 33601), (151, 33424), (178, 33340), (179, 33331), (194, 33286),

Gene: Becksu_55 Start: 40270, Stop: 39497, Start Num: 19

Candidate Starts for Becksu_55:

(Start: 19 @40270 has 114 MA's), (Start: 24 @40246 has 38 MA's), (Start: 32 @40216 has 1 MA's), (52, 40108), (75, 40012), (94, 39931), (101, 39907), (103, 39898), (105, 39889), (130, 39784), (132, 39778), (133, 39772), (178, 39628), (182, 39616), (188, 39592), (212, 39505),

Gene: Beem_96 Start: 59100, Stop: 58393, Start Num: 25

Candidate Starts for Beem_96:

(Start: 25 @59100 has 34 MA's), (Start: 37 @59046 has 5 MA's), (Start: 38 @59037 has 1 MA's), (58, 58941), (94, 58842), (97, 58830), (103, 58809), (126, 58719), (128, 58713), (155, 58632), (161, 58614), (170, 58575), (176, 58557), (177, 58554), (188, 58503), (193, 58491), (208, 58440),

Gene: Bellis_37 Start: 34070, Stop: 33189, Start Num: 6

Candidate Starts for Bellis_37:

(Start: 6 @34070 has 1 MA's), (10, 34028), (Start: 16 @33980 has 50 MA's), (20, 33962), (30, 33926), (Start: 45 @33842 has 1 MA's), (48, 33830), (61, 33779), (63, 33770), (74, 33719), (76, 33713), (103, 33602), (131, 33488), (139, 33461), (158, 33404), (189, 33290), (206, 33236), (211, 33203),

Gene: Bench_56 Start: 39705, Stop: 38932, Start Num: 19

Candidate Starts for Bench_56:

(Start: 19 @39705 has 114 MA's), (Start: 24 @39681 has 38 MA's), (Start: 32 @39651 has 1 MA's), (52, 39543), (75, 39447), (94, 39366), (101, 39342), (103, 39333), (105, 39324), (130, 39219), (132, 39213), (133, 39207), (178, 39063), (182, 39051), (188, 39027), (212, 38940),

Gene: BigBubba_55 Start: 39746, Stop: 38973, Start Num: 19

Candidate Starts for BigBubba_55:

(Start: 19 @39746 has 114 MA's), (Start: 24 @39722 has 38 MA's), (Start: 32 @39692 has 1 MA's), (52, 39584), (75, 39488), (94, 39407), (101, 39383), (103, 39374), (105, 39365), (130, 39260), (132, 39254), (133, 39248), (178, 39104), (182, 39092), (188, 39068), (212, 38981),

Gene: BigCheese_39 Start: 33739, Stop: 32960, Start Num: 16

Candidate Starts for BigCheese_39:

(Start: 16 @33739 has 50 MA's), (28, 33682), (42, 33610), (47, 33583), (55, 33544), (71, 33472), (74, 33466), (86, 33424), (126, 33256), (151, 33184), (179, 33091), (183, 33085), (194, 33046),

Gene: BilboSwaggins_53 Start: 40375, Stop: 39602, Start Num: 19

Candidate Starts for BilboSwaggins_53:

(Start: 19 @40375 has 114 MA's), (Start: 24 @40351 has 38 MA's), (Start: 32 @40321 has 1 MA's), (52, 40213), (75, 40117), (94, 40036), (101, 40012), (103, 40003), (105, 39994), (130, 39889), (132, 39883), (133, 39877), (178, 39733), (182, 39721), (188, 39697), (212, 39610),

Gene: Bobby_87 Start: 57466, Stop: 56759, Start Num: 25

Candidate Starts for Bobby_87:

(Start: 25 @57466 has 34 MA's), (Start: 37 @57412 has 5 MA's), (Start: 38 @57403 has 1 MA's), (42, 57379), (58, 57307), (94, 57208), (97, 57196), (103, 57175), (126, 57085), (128, 57079), (155, 56998), (161, 56980), (170, 56941), (176, 56923), (177, 56920), (188, 56869), (193, 56857), (208, 56806),

Gene: Bobquesha_47 Start: 34969, Stop: 34178, Start Num: 24

Candidate Starts for Bobquesha_47:

(Start: 24 @34969 has 38 MA's), (31, 34942), (Start: 37 @34912 has 5 MA's), (Start: 38 @34903 has 1 MA's), (61, 34798), (65, 34765), (78, 34729), (80, 34723), (83, 34711), (84, 34708), (86, 34699), (92, 34669), (103, 34624), (107, 34609), (134, 34501), (147, 34471), (156, 34444), (167, 34417), (173, 34387), (200, 34291), (208, 34261),

Gene: BobsGarage_39 Start: 33739, Stop: 32960, Start Num: 16

Candidate Starts for BobsGarage_39:

(Start: 16 @33739 has 50 MA's), (28, 33682), (42, 33610), (47, 33583), (55, 33544), (71, 33472), (74, 33466), (86, 33424), (126, 33256), (151, 33184), (179, 33091), (183, 33085), (194, 33046),

Gene: Bogg_54 Start: 38857, Stop: 38246, Start Num: 52

Candidate Starts for Bogg_54:

(Start: 19 @39019 has 114 MA's), (Start: 24 @38995 has 38 MA's), (Start: 32 @38965 has 1 MA's), (52, 38857), (75, 38761), (94, 38680), (101, 38656), (103, 38647), (105, 38638), (130, 38533), (132, 38527), (133, 38521), (178, 38377), (182, 38365), (188, 38341), (212, 38254),

Gene: Boilgate_41 Start: 35761, Stop: 34991, Start Num: 24

Candidate Starts for Boilgate_41:

(Start: 24 @35761 has 38 MA's), (28, 35743), (34, 35719), (35, 35710), (39, 35689), (Start: 45 @35650 has 1 MA's), (56, 35605), (61, 35590), (78, 35521), (80, 35515), (83, 35503), (92, 35461), (103, 35416), (121, 35350), (143, 35266), (159, 35221), (167, 35203), (178, 35158), (191, 35107), (200, 35080), (202, 35071), (210, 35041), (214, 34996),

Gene: Bombitas_84 Start: 56263, Stop: 55556, Start Num: 25

Candidate Starts for Bombitas_84:

(Start: 25 @56263 has 34 MA's), (Start: 37 @56209 has 5 MA's), (Start: 38 @56200 has 1 MA's), (58, 56104), (94, 56005), (97, 55993), (103, 55972), (126, 55882), (128, 55876), (155, 55795), (161, 55777), (170, 55738), (176, 55720), (177, 55717), (188, 55666), (193, 55654), (208, 55603),

Gene: BourbonZero_36 Start: 33952, Stop: 33161, Start Num: 16

Candidate Starts for BourbonZero_36:

(Start: 16 @33952 has 50 MA's), (30, 33898), (53, 33775), (63, 33742), (74, 33691), (76, 33685), (103, 33574), (131, 33460), (139, 33433), (158, 33376), (168, 33349), (211, 33175),

Gene: BrainDrainer_37 Start: 32627, Stop: 31839, Start Num: 16

Candidate Starts for BrainDrainer_37:

(Start: 16 @32627 has 50 MA's), (28, 32570), (31, 32561), (40, 32510), (47, 32471), (51, 32453), (68, 32375), (71, 32360), (74, 32354), (86, 32312), (104, 32231), (116, 32189), (122, 32171), (145, 32087), (152, 32066), (178, 31976), (189, 31934), (194, 31922),

Gene: Breezona_39 Start: 33739, Stop: 32960, Start Num: 16

Candidate Starts for Breezona_39:

(Start: 16 @33739 has 50 MA's), (28, 33682), (42, 33610), (47, 33583), (55, 33544), (71, 33472), (74, 33466), (86, 33424), (126, 33256), (151, 33184), (179, 33091), (183, 33085), (194, 33046),

Gene: Brewer_49 Start: 38535, Stop: 37762, Start Num: 19

Candidate Starts for Brewer_49:

(Start: 19 @38535 has 114 MA's), (Start: 24 @38511 has 38 MA's), (Start: 32 @38481 has 1 MA's), (52, 38373), (75, 38277), (94, 38196), (101, 38172), (103, 38163), (105, 38154), (130, 38049), (132, 38043), (133, 38037), (178, 37893), (182, 37881), (188, 37857), (212, 37770),

Gene: Bromden_38 Start: 33174, Stop: 32386, Start Num: 16

Candidate Starts for Bromden_38:

(Start: 16 @33174 has 50 MA's), (28, 33117), (29, 33114), (47, 33018), (52, 32997), (53, 32985), (68, 32922), (71, 32907), (74, 32901), (86, 32859), (101, 32790), (111, 32745), (125, 32700), (137, 32649), (142, 32640), (145, 32634), (162, 32586), (166, 32574), (178, 32523), (189, 32481),

Gene: BronnyJames_89 Start: 53953, Stop: 53246, Start Num: 25

Candidate Starts for BronnyJames_89:

(Start: 25 @53953 has 34 MA's), (Start: 37 @53899 has 5 MA's), (Start: 38 @53890 has 1 MA's), (94, 53695), (97, 53683), (99, 53677), (101, 53671), (103, 53662), (115, 53620), (128, 53566), (155, 53485), (161, 53467), (170, 53428), (174, 53416), (176, 53410), (177, 53407), (186, 53365), (192, 53347), (208, 53293),

Gene: Bruin_50 Start: 38614, Stop: 37841, Start Num: 19

Candidate Starts for Bruin_50:

(Start: 19 @38614 has 114 MA's), (Start: 24 @38590 has 38 MA's), (Start: 32 @38560 has 1 MA's), (52, 38452), (75, 38356), (94, 38275), (101, 38251), (103, 38242), (105, 38233), (130, 38128), (132, 38122), (133, 38116), (178, 37972), (182, 37960), (188, 37936), (212, 37849),

Gene: Buck_55 Start: 40321, Stop: 39548, Start Num: 19

Candidate Starts for Buck_55:

(Start: 19 @40321 has 114 MA's), (Start: 24 @40297 has 38 MA's), (Start: 32 @40267 has 1 MA's), (52, 40159), (75, 40063), (94, 39982), (101, 39958), (103, 39949), (105, 39940), (130, 39835), (132, 39829), (133, 39823), (178, 39679), (182, 39667), (188, 39643), (212, 39556),

Gene: Budgie_64 Start: 40856, Stop: 40104, Start Num: 24

Candidate Starts for Budgie_64:

(14, 40898), (Start: 24 @40856 has 38 MA's), (Start: 27 @40841 has 1 MA's), (35, 40805), (48, 40733), (60, 40685), (61, 40682), (74, 40625), (75, 40622), (83, 40595), (94, 40541), (103, 40508), (127, 40406), (131, 40391), (133, 40382), (165, 40295), (170, 40265), (178, 40238), (188, 40202), (200, 40169), (207, 40145),

Gene: BugsBunny_55 Start: 40152, Stop: 39379, Start Num: 19

Candidate Starts for BugsBunny_55:

(Start: 19 @40152 has 114 MA's), (Start: 24 @40128 has 38 MA's), (Start: 32 @40098 has 1 MA's), (52, 39990), (75, 39894), (94, 39813), (101, 39789), (103, 39780), (105, 39771), (130, 39666), (132, 39660), (133, 39654), (178, 39510), (182, 39498), (188, 39474), (212, 39387),

Gene: Cactus_56 Start: 39094, Stop: 38321, Start Num: 19

Candidate Starts for Cactus_56:

(Start: 19 @39094 has 114 MA's), (Start: 24 @39070 has 38 MA's), (Start: 32 @39040 has 1 MA's), (52, 38932), (75, 38836), (94, 38755), (101, 38731), (103, 38722), (105, 38713), (130, 38608), (132, 38602), (133, 38596), (178, 38452), (182, 38440), (188, 38416), (212, 38329),

Gene: Calm_37 Start: 32389, Stop: 31607, Start Num: 17

Candidate Starts for Calm_37:

(Start: 17 @32389 has 19 MA's), (20, 32371), (79, 32104), (86, 32077), (87, 32074), (93, 32044), (94, 32032), (100, 32011), (114, 31963), (137, 31870), (152, 31834), (178, 31744), (194, 31690),

Gene: Chancellor_46 Start: 35595, Stop: 34777, Start Num: 24

Candidate Starts for Chancellor_46:

(Start: 24 @35595 has 38 MA's), (Start: 25 @35592 has 34 MA's), (28, 35577), (Start: 41 @35514 has 1 MA's), (Start: 45 @35484 has 1 MA's), (50, 35463), (60, 35427), (65, 35391), (80, 35349), (83, 35337), (84, 35334), (92, 35295), (103, 35250), (107, 35235), (117, 35199), (121, 35190), (147, 35097), (167, 35043), (171, 35019), (173, 35013), (178, 34995), (196, 34929), (202, 34908),

Gene: Chaser_36 Start: 32444, Stop: 31656, Start Num: 16

Candidate Starts for Chaser_36:

(Start: 16 @32444 has 50 MA's), (28, 32387), (31, 32378), (40, 32327), (47, 32288), (51, 32270), (68, 32192), (71, 32177), (74, 32171), (86, 32129), (104, 32048), (116, 32006), (122, 31988), (136, 31922), (145, 31904), (152, 31883), (178, 31793), (189, 31751), (194, 31739),

Gene: Cheetobro_46 Start: 35592, Stop: 34774, Start Num: 24

Candidate Starts for Cheetobro_46:

(Start: 24 @35592 has 38 MA's), (Start: 25 @35589 has 34 MA's), (28, 35574), (Start: 41 @35511 has 1 MA's), (Start: 45 @35481 has 1 MA's), (50, 35460), (60, 35424), (65, 35388), (80, 35346), (83, 35334), (84, 35331), (92, 35292), (103, 35247), (107, 35232), (117, 35196), (121, 35187), (147, 35094), (167, 35040), (171, 35016), (173, 35010), (178, 34992), (196, 34926), (202, 34905),

Gene: ChosenOne_55 Start: 39394, Stop: 38621, Start Num: 19

Candidate Starts for ChosenOne_55:

(Start: 19 @39394 has 114 MA's), (Start: 24 @39370 has 38 MA's), (Start: 32 @39340 has 1 MA's), (52, 39232), (75, 39136), (94, 39055), (101, 39031), (103, 39022), (105, 39013), (130, 38908), (132, 38902), (133, 38896), (178, 38752), (182, 38740), (188, 38716), (212, 38629),

Gene: ChotaBhai_54 Start: 39416, Stop: 38643, Start Num: 19

Candidate Starts for ChotaBhai_54:

(Start: 19 @39416 has 114 MA's), (Start: 24 @39392 has 38 MA's), (Start: 32 @39362 has 1 MA's), (52, 39254), (75, 39158), (94, 39077), (101, 39053), (103, 39044), (105, 39035), (130, 38930), (132, 38924), (133, 38918), (178, 38774), (182, 38762), (188, 38738), (212, 38651),

Gene: ChutneyChips_36 Start: 32507, Stop: 31836, Start Num: 40

Candidate Starts for ChutneyChips_36:

(Start: 16 @32624 has 50 MA's), (28, 32567), (36, 32531), (40, 32507), (47, 32468), (51, 32450), (66, 32375), (68, 32372), (71, 32357), (74, 32351), (83, 32321), (86, 32309), (110, 32198), (116, 32186), (122, 32168), (137, 32099), (142, 32090), (145, 32084), (146, 32081), (162, 32036), (178, 31973), (189, 31931), (194, 31919),

Gene: CicholasNage_37 Start: 32410, Stop: 31628, Start Num: 17

Candidate Starts for CicholasNage_37:

(Start: 17 @32410 has 19 MA's), (20, 32392), (79, 32125), (86, 32098), (87, 32095), (93, 32065), (94, 32053), (100, 32032), (114, 31984), (137, 31891), (152, 31855), (178, 31765), (194, 31711),

Gene: Cjw1_54 Start: 40795, Stop: 40022, Start Num: 19

Candidate Starts for Cjw1_54:

(Start: 19 @40795 has 114 MA's), (Start: 24 @40771 has 38 MA's), (Start: 32 @40741 has 1 MA's), (52, 40633), (75, 40537), (94, 40456), (101, 40432), (103, 40423), (105, 40414), (130, 40309), (132, 40303), (133, 40297), (178, 40153), (182, 40141), (188, 40117), (212, 40030),

Gene: Claus_39 Start: 33735, Stop: 32956, Start Num: 16

Candidate Starts for Claus_39:

(Start: 16 @33735 has 50 MA's), (28, 33678), (47, 33579), (52, 33558), (55, 33540), (71, 33468), (74, 33462), (86, 33420), (96, 33369), (99, 33357), (101, 33351), (103, 33342), (126, 33252), (128, 33246), (173, 33114),

Gene: Clautastrophe_37 Start: 33978, Stop: 33187, Start Num: 16

Candidate Starts for Clautastrophe_37:

(Start: 6 @34068 has 1 MA's), (10, 34026), (Start: 16 @33978 has 50 MA's), (20, 33960), (30, 33924), (Start: 45 @33840 has 1 MA's), (48, 33828), (61, 33777), (63, 33768), (74, 33717), (76, 33711), (103, 33600), (131, 33486), (139, 33459), (158, 33402), (189, 33288), (206, 33234), (211, 33201),

Gene: Command613_56 Start: 40133, Stop: 39360, Start Num: 19

Candidate Starts for Command613_56:

(Start: 19 @40133 has 114 MA's), (Start: 24 @40109 has 38 MA's), (Start: 32 @40079 has 1 MA's), (52, 39971), (75, 39875), (94, 39794), (101, 39770), (103, 39761), (105, 39752), (130, 39647), (132, 39641), (133, 39635), (178, 39491), (182, 39479), (188, 39455), (212, 39368),

Gene: Constella_81 Start: 53215, Stop: 52562, Start Num: 37

Candidate Starts for Constella_81:

(Start: 25 @53269 has 34 MA's), (Start: 37 @53215 has 5 MA's), (Start: 38 @53206 has 1 MA's), (58, 53110), (94, 53011), (97, 52999), (103, 52978), (126, 52888), (128, 52882), (155, 52801), (161, 52783), (170, 52744), (176, 52726), (177, 52723), (188, 52672), (193, 52660), (208, 52609),

Gene: Contagion_51 Start: 38895, Stop: 38122, Start Num: 19

Candidate Starts for Contagion_51:

(Start: 19 @38895 has 114 MA's), (Start: 24 @38871 has 38 MA's), (Start: 32 @38841 has 1 MA's), (52, 38733), (75, 38637), (94, 38556), (101, 38532), (103, 38523), (105, 38514), (130, 38409), (132, 38403), (133, 38397), (178, 38253), (182, 38241), (188, 38217), (212, 38130),

Gene: Cookies_51 Start: 39266, Stop: 38493, Start Num: 19

Candidate Starts for Cookies_51:

(Start: 19 @39266 has 114 MA's), (Start: 24 @39242 has 38 MA's), (Start: 32 @39212 has 1 MA's), (52, 39104), (75, 39008), (94, 38927), (101, 38903), (103, 38894), (105, 38885), (130, 38780), (132, 38774), (133, 38768), (178, 38624), (182, 38612), (188, 38588), (212, 38501),

Gene: Courthouse_86 Start: 53071, Stop: 52364, Start Num: 25

Candidate Starts for Courthouse_86:

(Start: 25 @53071 has 34 MA's), (Start: 37 @53017 has 5 MA's), (Start: 38 @53008 has 1 MA's), (58, 52912), (73, 52894), (94, 52813), (97, 52801), (99, 52795), (101, 52789), (103, 52780), (115, 52738), (127, 52687), (128, 52684), (155, 52603), (161, 52585), (170, 52546), (174, 52534), (176, 52528), (177, 52525), (186, 52483), (188, 52474), (192, 52465), (193, 52462), (208, 52411),

Gene: Crossroads_39 Start: 33740, Stop: 32961, Start Num: 16

Candidate Starts for Crossroads_39:

(Start: 16 @33740 has 50 MA's), (28, 33683), (42, 33611), (55, 33545), (60, 33530), (71, 33473), (74, 33467), (86, 33425), (151, 33185), (179, 33092), (183, 33086), (194, 33047),

Gene: CrystalP_54 Start: 40375, Stop: 39602, Start Num: 19

Candidate Starts for CrystalP_54:

(Start: 19 @40375 has 114 MA's), (Start: 24 @40351 has 38 MA's), (Start: 32 @40321 has 1 MA's), (52, 40213), (75, 40117), (94, 40036), (101, 40012), (103, 40003), (105, 39994), (130, 39889), (132, 39883), (133, 39877), (178, 39733), (182, 39721), (188, 39697), (212, 39610),

Gene: Czyszczone1_55 Start: 39604, Stop: 38831, Start Num: 19

Candidate Starts for Czyszczone1_55:

(Start: 19 @39604 has 114 MA's), (Start: 24 @39580 has 38 MA's), (Start: 32 @39550 has 1 MA's), (52, 39442), (75, 39346), (94, 39265), (101, 39241), (103, 39232), (105, 39223), (130, 39118), (132, 39112), (133, 39106), (178, 38962), (182, 38950), (188, 38926), (212, 38839),

Gene: DHan_40 Start: 33676, Stop: 32897, Start Num: 16

Candidate Starts for DHan_40:

(Start: 16 @33676 has 50 MA's), (28, 33619), (47, 33520), (52, 33499), (55, 33481), (71, 33409), (74, 33403), (86, 33361), (96, 33310), (99, 33298), (101, 33292), (103, 33283), (126, 33193), (128, 33187), (173, 33055),

Gene: DS6A_57 Start: 40555, Stop: 39803, Start Num: 25

Candidate Starts for DS6A_57:

(1, 40786), (Start: 24 @40558 has 38 MA's), (Start: 25 @40555 has 34 MA's), (Start: 26 @40552 has 1 MA's), (31, 40531), (Start: 32 @40528 has 1 MA's), (35, 40507), (Start: 45 @40447 has 1 MA's), (49, 40429), (52, 40420), (53, 40408), (69, 40345), (72, 40339), (79, 40318), (99, 40225), (157, 40009), (181, 39922), (184, 39916), (198, 39865), (205, 39844), (208, 39829),

Gene: Daikon_55 Start: 40225, Stop: 39452, Start Num: 19

Candidate Starts for Daikon_55:

(Start: 19 @40225 has 114 MA's), (Start: 24 @40201 has 38 MA's), (Start: 32 @40171 has 1 MA's), (52, 40063), (75, 39967), (94, 39886), (101, 39862), (103, 39853), (105, 39844), (130, 39739), (132, 39733), (133, 39727), (178, 39583), (182, 39571), (188, 39547), (212, 39460),

Gene: Dallas_97 Start: 59108, Stop: 58401, Start Num: 25

Candidate Starts for Dallas_97:

(Start: 25 @59108 has 34 MA's), (Start: 37 @59054 has 5 MA's), (Start: 38 @59045 has 1 MA's), (58, 58949), (94, 58850), (97, 58838), (103, 58817), (126, 58727), (128, 58721), (155, 58640), (161, 58622), (170, 58583), (176, 58565), (177, 58562), (188, 58511), (193, 58499), (208, 58448),

Gene: DanBing_39 Start: 33568, Stop: 32789, Start Num: 16

Candidate Starts for DanBing_39:

(Start: 16 @33568 has 50 MA's), (28, 33511), (47, 33412), (52, 33391), (55, 33373), (71, 33301), (74, 33295), (86, 33253), (96, 33202), (99, 33190), (101, 33184), (103, 33175), (128, 33079), (173, 32947),

Gene: DanSyl44_50 Start: 36636, Stop: 35818, Start Num: 24

Candidate Starts for DanSyl44_50:

(Start: 24 @36636 has 38 MA's), (Start: 25 @36633 has 34 MA's), (28, 36618), (Start: 41 @36555 has 1 MA's), (Start: 45 @36525 has 1 MA's), (50, 36504), (60, 36468), (65, 36432), (80, 36390), (83, 36378), (84, 36375), (92, 36336), (103, 36291), (107, 36276), (117, 36240), (121, 36231), (147, 36138), (167, 36084), (171, 36060), (173, 36054), (178, 36036), (196, 35970), (202, 35949),

Gene: DirkDirk_36 Start: 32376, Stop: 31594, Start Num: 17

Candidate Starts for DirkDirk_36:

(Start: 17 @32376 has 19 MA's), (20, 32358), (79, 32091), (86, 32064), (87, 32061), (93, 32031), (94, 32019), (100, 31998), (114, 31950), (137, 31857), (152, 31821), (178, 31731), (194, 31677),

Gene: DmpstrDiver_97 Start: 58533, Stop: 57826, Start Num: 25

Candidate Starts for DmpstrDiver_97:

(Start: 25 @58533 has 34 MA's), (Start: 37 @58479 has 5 MA's), (Start: 38 @58470 has 1 MA's), (42, 58446), (58, 58374), (94, 58275), (97, 58263), (103, 58242), (126, 58152), (128, 58146), (155, 58065), (161, 58047), (170, 58008), (176, 57990), (177, 57987), (188, 57936), (193, 57924), (208, 57873),

Gene: DoctorDiddles_54 Start: 39452, Stop: 38679, Start Num: 19

Candidate Starts for DoctorDiddles_54:

(Start: 19 @39452 has 114 MA's), (Start: 24 @39428 has 38 MA's), (Start: 32 @39398 has 1 MA's), (52, 39290), (75, 39194), (94, 39113), (101, 39089), (103, 39080), (105, 39071), (130, 38966), (132, 38960), (133, 38954), (178, 38810), (182, 38798), (188, 38774), (212, 38687),

Gene: Douge_36 Start: 32382, Stop: 31594, Start Num: 16

Candidate Starts for Douge_36:

(Start: 16 @32382 has 50 MA's), (28, 32325), (31, 32316), (40, 32265), (47, 32226), (51, 32208), (68, 32130), (71, 32115), (74, 32109), (86, 32067), (104, 31986), (116, 31944), (122, 31926), (145, 31842), (152, 31821), (178, 31731), (189, 31689), (194, 31677),

Gene: Douzhi_36 Start: 32488, Stop: 31700, Start Num: 16

Candidate Starts for Douzhi_36:

(Start: 16 @32488 has 50 MA's), (28, 32431), (31, 32422), (40, 32371), (47, 32332), (51, 32314), (68, 32236), (71, 32221), (74, 32215), (86, 32173), (104, 32092), (116, 32050), (122, 32032), (145, 31948), (152, 31927), (161, 31903), (178, 31837), (189, 31795), (194, 31783),

Gene: DrDrey_54 Start: 40523, Stop: 39750, Start Num: 19

Candidate Starts for DrDrey_54:

(Start: 19 @40523 has 114 MA's), (Start: 24 @40499 has 38 MA's), (Start: 32 @40469 has 1 MA's), (52, 40361), (75, 40265), (94, 40184), (101, 40160), (103, 40151), (105, 40142), (130, 40037), (132, 40031), (133, 40025), (178, 39881), (182, 39869), (188, 39845), (212, 39758),

Gene: DrSeegs_39 Start: 33739, Stop: 32960, Start Num: 16

Candidate Starts for DrSeegs_39:

(Start: 16 @33739 has 50 MA's), (28, 33682), (42, 33610), (47, 33583), (55, 33544), (71, 33472), (74, 33466), (86, 33424), (126, 33256), (151, 33184), (179, 33091), (183, 33085), (194, 33046),

Gene: Duke13_91 Start: 57040, Stop: 56333, Start Num: 25

Candidate Starts for Duke13_91:

(Start: 25 @57040 has 34 MA's), (Start: 37 @56986 has 5 MA's), (Start: 38 @56977 has 1 MA's), (58, 56881), (94, 56782), (97, 56770), (103, 56749), (126, 56659), (128, 56653), (155, 56572), (161, 56554), (170, 56515), (176, 56497), (177, 56494), (188, 56443), (193, 56431), (208, 56380),

Gene: Dumbo_54 Start: 39299, Stop: 38526, Start Num: 19

Candidate Starts for Dumbo_54:

(Start: 19 @39299 has 114 MA's), (Start: 24 @39275 has 38 MA's), (Start: 32 @39245 has 1 MA's), (52, 39137), (75, 39041), (94, 38960), (101, 38936), (103, 38927), (105, 38918), (130, 38813), (132, 38807), (133, 38801), (178, 38657), (182, 38645), (188, 38621), (212, 38534),

Gene: DuncansLeg_37 Start: 33989, Stop: 33198, Start Num: 16

Candidate Starts for DuncansLeg_37:

(Start: 16 @33989 has 50 MA's), (30, 33935), (53, 33812), (63, 33779), (74, 33728), (76, 33722), (103, 33611), (131, 33497), (139, 33470), (158, 33413), (168, 33386), (211, 33212),

Gene: Dusk_52 Start: 39596, Stop: 38823, Start Num: 19

Candidate Starts for Dusk_52:

(Start: 19 @39596 has 114 MA's), (Start: 24 @39572 has 38 MA's), (Start: 32 @39542 has 1 MA's), (52, 39434), (75, 39338), (94, 39257), (101, 39233), (103, 39224), (105, 39215), (130, 39110), (132, 39104), (133, 39098), (178, 38954), (182, 38942), (188, 38918), (212, 38831),

Gene: DyoEdafos_38 Start: 32716, Stop: 31928, Start Num: 16

Candidate Starts for DyoEdafos_38:

(Start: 16 @32716 has 50 MA's), (28, 32659), (40, 32599), (47, 32560), (51, 32542), (68, 32464), (71, 32449), (74, 32443), (86, 32401), (104, 32320), (110, 32290), (116, 32278), (122, 32260), (142, 32182), (145, 32176), (178, 32065), (189, 32023), (194, 32011),

Gene: Easy2Say_55 Start: 40837, Stop: 40064, Start Num: 19

Candidate Starts for Easy2Say_55:

(Start: 19 @40837 has 114 MA's), (Start: 24 @40813 has 38 MA's), (Start: 32 @40783 has 1 MA's), (52, 40675), (75, 40579), (94, 40498), (101, 40474), (103, 40465), (105, 40456), (130, 40351), (132, 40345), (133, 40339), (178, 40195), (182, 40183), (188, 40159), (212, 40072),

Gene: Ejimix_89 Start: 58827, Stop: 58120, Start Num: 25

Candidate Starts for Ejimix_89:

(Start: 25 @58827 has 34 MA's), (Start: 37 @58773 has 5 MA's), (Start: 38 @58764 has 1 MA's), (58, 58668), (94, 58569), (97, 58557), (103, 58536), (126, 58446), (128, 58440), (155, 58359), (161, 58341), (170, 58302), (176, 58284), (177, 58281), (188, 58230), (193, 58218), (208, 58167),

Gene: Elite2014_54 Start: 39393, Stop: 38620, Start Num: 19

Candidate Starts for Elite2014_54:

(Start: 19 @39393 has 114 MA's), (Start: 24 @39369 has 38 MA's), (Start: 32 @39339 has 1 MA's), (52, 39231), (75, 39135), (94, 39054), (101, 39030), (103, 39021), (105, 39012), (130, 38907), (132, 38901), (133, 38895), (178, 38751), (182, 38739), (188, 38715), (212, 38628),

Gene: Ellson_37 Start: 33965, Stop: 33174, Start Num: 16

Candidate Starts for Ellson_37:

(Start: 16 @33965 has 50 MA's), (30, 33911), (53, 33788), (63, 33755), (74, 33704), (76, 33698), (103, 33587), (131, 33473), (139, 33446), (158, 33389), (168, 33362), (211, 33188),

Gene: Elph10_54 Start: 39102, Stop: 38329, Start Num: 19

Candidate Starts for Elph10_54:

(Start: 19 @39102 has 114 MA's), (Start: 24 @39078 has 38 MA's), (Start: 32 @39048 has 1 MA's), (52, 38940), (75, 38844), (94, 38763), (101, 38739), (103, 38730), (105, 38721), (130, 38616), (132, 38610), (133, 38604), (178, 38460), (182, 38448), (188, 38424), (212, 38337),

Gene: Emmina_54 Start: 39276, Stop: 38527, Start Num: 24

Candidate Starts for Emmina_54:

(Start: 19 @39300 has 114 MA's), (Start: 24 @39276 has 38 MA's), (Start: 32 @39246 has 1 MA's), (52, 39138), (75, 39042), (94, 38961), (101, 38937), (103, 38928), (105, 38919), (130, 38814), (132, 38808), (133, 38802), (178, 38658), (182, 38646), (188, 38622), (212, 38535),

Gene: Enceladus_36 Start: 32359, Stop: 31577, Start Num: 17

Candidate Starts for Enceladus_36:

(Start: 17 @32359 has 19 MA's), (20, 32341), (79, 32074), (86, 32047), (87, 32044), (93, 32014), (94, 32002), (100, 31981), (114, 31933), (137, 31840), (152, 31804), (178, 31714), (194, 31660),

Gene: Eponine_48 Start: 36348, Stop: 35530, Start Num: 24

Candidate Starts for Eponine_48:

(Start: 24 @36348 has 38 MA's), (Start: 25 @36345 has 34 MA's), (28, 36330), (Start: 41 @36267 has 1 MA's), (Start: 45 @36237 has 1 MA's), (50, 36216), (60, 36180), (65, 36144), (80, 36102), (83, 36090), (84, 36087), (92, 36048), (103, 36003), (107, 35988), (117, 35952), (121, 35943), (147, 35850), (167, 35796), (171, 35772), (173, 35766), (178, 35748), (196, 35682), (202, 35661),

Gene: EricMillard_89 Start: 58168, Stop: 57461, Start Num: 25

Candidate Starts for EricMillard_89:

(Start: 25 @58168 has 34 MA's), (Start: 37 @58114 has 5 MA's), (Start: 38 @58105 has 1 MA's), (42, 58081), (58, 58009), (94, 57910), (97, 57898), (103, 57877), (126, 57787), (128, 57781), (155, 57700), (161, 57682), (170, 57643), (176, 57625), (177, 57622), (188, 57571), (193, 57559), (208, 57508),

Gene: Eureka_52 Start: 39864, Stop: 39091, Start Num: 19

Candidate Starts for Eureka_52:

(Start: 19 @39864 has 114 MA's), (Start: 24 @39840 has 38 MA's), (Start: 32 @39810 has 1 MA's), (52, 39702), (75, 39606), (94, 39525), (101, 39501), (103, 39492), (105, 39483), (130, 39378), (132, 39372), (133, 39366), (178, 39222), (182, 39210), (188, 39186), (212, 39099),

Gene: FairyPath_54 Start: 40216, Stop: 39443, Start Num: 19

Candidate Starts for FairyPath_54:

(Start: 19 @40216 has 114 MA's), (Start: 24 @40192 has 38 MA's), (Start: 32 @40162 has 1 MA's), (52, 40054), (75, 39958), (94, 39877), (101, 39853), (103, 39844), (105, 39835), (130, 39730), (132, 39724), (133, 39718), (178, 39574), (182, 39562), (188, 39538), (212, 39451),

Gene: Faith1_39 Start: 33739, Stop: 32960, Start Num: 16

Candidate Starts for Faith1_39:

(Start: 16 @33739 has 50 MA's), (28, 33682), (42, 33610), (47, 33583), (55, 33544), (71, 33472), (74, 33466), (86, 33424), (126, 33256), (151, 33184), (179, 33091), (183, 33085), (194, 33046),

Gene: FarmResident_36 Start: 32309, Stop: 31638, Start Num: 40

Candidate Starts for FarmResident_36:

(Start: 16 @32426 has 50 MA's), (28, 32369), (31, 32360), (40, 32309), (47, 32270), (51, 32252), (68, 32174), (71, 32159), (74, 32153), (86, 32111), (104, 32030), (116, 31988), (122, 31970), (145, 31886), (152, 31865), (178, 31775), (189, 31733), (194, 31721),

Gene: Filch_55 Start: 39325, Stop: 38552, Start Num: 19

Candidate Starts for Filch_55:

(Start: 19 @39325 has 114 MA's), (Start: 24 @39301 has 38 MA's), (Start: 32 @39271 has 1 MA's), (52, 39163), (75, 39067), (94, 38986), (101, 38962), (103, 38953), (105, 38944), (130, 38839), (132, 38833), (133, 38827), (178, 38683), (182, 38671), (188, 38647), (212, 38560),

Gene: Finemlucis_39 Start: 34015, Stop: 33236, Start Num: 16

Candidate Starts for Finemlucis_39:

(Start: 16 @34015 has 50 MA's), (28, 33958), (42, 33886), (47, 33859), (55, 33820), (71, 33748), (74, 33742), (86, 33700), (151, 33460), (179, 33367), (183, 33361), (194, 33322),

Gene: Finnry_37 Start: 33981, Stop: 33190, Start Num: 16

Candidate Starts for Finnry_37:

(Start: 6 @34071 has 1 MA's), (10, 34029), (Start: 16 @33981 has 50 MA's), (20, 33963), (30, 33927), (Start: 45 @33843 has 1 MA's), (48, 33831), (61, 33780), (63, 33771), (74, 33720), (76, 33714), (103, 33603), (131, 33489), (139, 33462), (158, 33405), (189, 33291), (206, 33237), (211, 33204),

Gene: Fionnbharth_46 Start: 35745, Stop: 34927, Start Num: 24

Candidate Starts for Fionnbharth_46:

(Start: 24 @35745 has 38 MA's), (Start: 25 @35742 has 34 MA's), (28, 35727), (Start: 45 @35634 has 1 MA's), (50, 35613), (60, 35577), (65, 35541), (80, 35499), (83, 35487), (84, 35484), (86, 35475), (92, 35445), (107, 35385), (117, 35349), (121, 35340), (147, 35247), (167, 35193), (171, 35169), (173, 35163), (178, 35145), (196, 35079), (202, 35058),

Gene: FireRed_57 Start: 40591, Stop: 39818, Start Num: 19

Candidate Starts for FireRed_57:

(Start: 19 @40591 has 114 MA's), (Start: 24 @40567 has 38 MA's), (Start: 32 @40537 has 1 MA's), (52, 40429), (75, 40333), (94, 40252), (101, 40228), (103, 40219), (105, 40210), (130, 40105), (132, 40099), (133, 40093), (178, 39949), (182, 39937), (188, 39913), (212, 39826),

Gene: Flypotenuse_49 Start: 39064, Stop: 38315, Start Num: 24

Candidate Starts for Flypotenuse_49:

(Start: 19 @39088 has 114 MA's), (Start: 24 @39064 has 38 MA's), (Start: 32 @39034 has 1 MA's), (52, 38926), (75, 38830), (94, 38749), (101, 38725), (103, 38716), (105, 38707), (130, 38602), (132, 38596), (133, 38590), (178, 38446), (182, 38434), (188, 38410), (212, 38323),

Gene: FoghornLeghorn_49 Start: 38098, Stop: 37325, Start Num: 19

Candidate Starts for FoghornLeghorn_49:

(Start: 19 @38098 has 114 MA's), (Start: 24 @38074 has 38 MA's), (Start: 32 @38044 has 1 MA's), (52, 37936), (75, 37840), (94, 37759), (101, 37735), (103, 37726), (105, 37717), (130, 37612), (132, 37606), (133, 37600), (178, 37456), (182, 37444), (188, 37420), (212, 37333),

Gene: Gabriela_39 Start: 34001, Stop: 33222, Start Num: 16

Candidate Starts for Gabriela_39:

(Start: 16 @34001 has 50 MA's), (28, 33944), (42, 33872), (47, 33845), (55, 33806), (71, 33734), (74, 33728), (86, 33686), (126, 33518), (151, 33446), (179, 33353), (183, 33347), (194, 33308),

Gene: Gage_57 Start: 39873, Stop: 39100, Start Num: 19

Candidate Starts for Gage_57:

(Start: 19 @39873 has 114 MA's), (Start: 24 @39849 has 38 MA's), (Start: 32 @39819 has 1 MA's), (52, 39711), (75, 39615), (94, 39534), (101, 39510), (103, 39501), (105, 39492), (130, 39387), (132, 39381), (133, 39375), (178, 39231), (182, 39219), (188, 39195), (212, 39108),

Gene: Gaia_67 Start: 44826, Stop: 44038, Start Num: 15

Candidate Starts for Gaia_67:

(Start: 15 @44826 has 2 MA's), (Start: 24 @44787 has 38 MA's), (52, 44649), (89, 44496), (94, 44472), (103, 44439), (113, 44397), (121, 44379), (125, 44355), (168, 44220), (171, 44199), (186, 44148), (206, 44088), (208, 44079),

Gene: Gardann_39 Start: 33740, Stop: 32961, Start Num: 16

Candidate Starts for Gardann_39:

(Start: 16 @33740 has 50 MA's), (28, 33683), (42, 33611), (55, 33545), (71, 33473), (74, 33467), (86, 33425), (151, 33185), (179, 33092), (183, 33086), (194, 33047),

Gene: Gator_52 Start: 40227, Stop: 39454, Start Num: 19

Candidate Starts for Gator_52:

(Start: 19 @40227 has 114 MA's), (Start: 24 @40203 has 38 MA's), (Start: 32 @40173 has 1 MA's), (52, 40065), (75, 39969), (94, 39888), (101, 39864), (103, 39855), (105, 39846), (130, 39741), (132, 39735), (133, 39729), (178, 39585), (182, 39573), (188, 39549), (212, 39462),

Gene: Gemini_58 Start: 40390, Stop: 39617, Start Num: 19

Candidate Starts for Gemini_58:

(Start: 19 @40390 has 114 MA's), (Start: 24 @40366 has 38 MA's), (Start: 32 @40336 has 1 MA's), (52, 40228), (75, 40132), (94, 40051), (101, 40027), (103, 40018), (105, 40009), (130, 39904), (132, 39898), (133, 39892), (178, 39748), (182, 39736), (188, 39712), (212, 39625),

Gene: Glexan_52 Start: 40215, Stop: 39442, Start Num: 19

Candidate Starts for Glexan_52:

(Start: 19 @40215 has 114 MA's), (Start: 24 @40191 has 38 MA's), (Start: 32 @40161 has 1 MA's), (52, 40053), (75, 39957), (94, 39876), (101, 39852), (103, 39843), (105, 39834), (130, 39729), (132, 39723), (133, 39717), (178, 39573), (182, 39561), (188, 39537), (212, 39450),

Gene: Goku_52 Start: 39593, Stop: 38820, Start Num: 19

Candidate Starts for Goku_52:

(Start: 19 @39593 has 114 MA's), (Start: 24 @39569 has 38 MA's), (Start: 32 @39539 has 1 MA's), (52, 39431), (75, 39335), (94, 39254), (101, 39230), (103, 39221), (105, 39212), (130, 39107), (132, 39101), (133, 39095), (178, 38951), (182, 38939), (188, 38915), (212, 38828),

Gene: GoldenSpark_57 Start: 39849, Stop: 39100, Start Num: 24

Candidate Starts for GoldenSpark_57:

(Start: 19 @39873 has 114 MA's), (Start: 24 @39849 has 38 MA's), (Start: 32 @39819 has 1 MA's), (52, 39711), (75, 39615), (94, 39534), (101, 39510), (103, 39501), (105, 39492), (130, 39387), (132, 39381), (133, 39375), (178, 39231), (182, 39219), (188, 39195), (212, 39108),

Gene: Goldilocks_56 Start: 39375, Stop: 38602, Start Num: 19

Candidate Starts for Goldilocks_56:

(Start: 19 @39375 has 114 MA's), (Start: 24 @39351 has 38 MA's), (Start: 32 @39321 has 1 MA's), (52, 39213), (75, 39117), (94, 39036), (101, 39012), (103, 39003), (105, 38994), (130, 38889), (132, 38883), (133, 38877), (178, 38733), (182, 38721), (188, 38697), (212, 38610),

Gene: Gonephishing_82 Start: 52633, Stop: 51926, Start Num: 25

Candidate Starts for Gonephishing_82:

(Start: 25 @52633 has 34 MA's), (Start: 37 @52579 has 5 MA's), (Start: 38 @52570 has 1 MA's), (94, 52375), (97, 52363), (103, 52342), (115, 52300), (127, 52249), (128, 52246), (155, 52165), (161, 52147), (170, 52108), (176, 52090), (177, 52087), (186, 52045), (188, 52036), (193, 52024), (208, 51973),

Gene: GooberAzure_57 Start: 39873, Stop: 39100, Start Num: 19

Candidate Starts for GooberAzure_57:

(Start: 19 @39873 has 114 MA's), (Start: 24 @39849 has 38 MA's), (Start: 32 @39819 has 1 MA's), (52, 39711), (75, 39615), (94, 39534), (101, 39510), (103, 39501), (105, 39492), (130, 39387), (132, 39381), (133, 39375), (178, 39231), (182, 39219), (188, 39195), (212, 39108),

Gene: Greep_58 Start: 40721, Stop: 40110, Start Num: 52

Candidate Starts for Greep_58:

(Start: 19 @40883 has 114 MA's), (Start: 24 @40859 has 38 MA's), (Start: 32 @40829 has 1 MA's), (52, 40721), (75, 40625), (94, 40544), (101, 40520), (103, 40511), (105, 40502), (130, 40397), (132, 40391), (133, 40385), (178, 40241), (182, 40229), (188, 40205), (212, 40118),

Gene: GuuelaD_39 Start: 33777, Stop: 32998, Start Num: 16

Candidate Starts for GuuelaD_39:

(Start: 16 @33777 has 50 MA's), (28, 33720), (42, 33648), (55, 33582), (60, 33567), (71, 33510), (74, 33504), (86, 33462), (151, 33222), (179, 33129), (183, 33123), (194, 33084),

Gene: Hafay_39 Start: 33772, Stop: 32993, Start Num: 16

Candidate Starts for Hafay_39:

(Start: 16 @33772 has 50 MA's), (28, 33715), (42, 33643), (55, 33577), (60, 33562), (71, 33505), (74, 33499), (86, 33457), (151, 33217), (179, 33124), (183, 33118), (194, 33079),

Gene: Halena_36 Start: 32385, Stop: 31603, Start Num: 17

Candidate Starts for Halena_36:

(Start: 17 @32385 has 19 MA's), (20, 32367), (79, 32100), (86, 32073), (87, 32070), (93, 32040), (94, 32028), (100, 32007), (114, 31959), (137, 31866), (152, 31830), (178, 31740), (194, 31686),

Gene: Halley_97 Start: 59101, Stop: 58394, Start Num: 25

Candidate Starts for Halley_97:

(Start: 25 @59101 has 34 MA's), (Start: 37 @59047 has 5 MA's), (Start: 38 @59038 has 1 MA's), (42, 59014), (58, 58942), (94, 58843), (97, 58831), (103, 58810), (126, 58720), (128, 58714), (155, 58633), (161, 58615), (170, 58576), (176, 58558), (177, 58555), (188, 58504), (193, 58492), (208, 58441),

Gene: HanKaySha_53 Start: 39183, Stop: 38410, Start Num: 19

Candidate Starts for HanKaySha_53:

(Start: 19 @39183 has 114 MA's), (Start: 24 @39159 has 38 MA's), (Start: 32 @39129 has 1 MA's), (52, 39021), (75, 38925), (94, 38844), (101, 38820), (103, 38811), (105, 38802), (130, 38697), (132, 38691), (133, 38685), (178, 38541), (182, 38529), (188, 38505), (212, 38418),

Gene: Hannaconda_82 Start: 51989, Stop: 51336, Start Num: 37

Candidate Starts for Hannaconda_82:

(Start: 25 @52043 has 34 MA's), (Start: 37 @51989 has 5 MA's), (Start: 38 @51980 has 1 MA's), (42, 51956), (58, 51884), (94, 51785), (97, 51773), (103, 51752), (126, 51662), (128, 51656), (155, 51575), (161, 51557), (170, 51518), (176, 51500), (177, 51497), (188, 51446), (193, 51434), (208, 51383),

Gene: Harella_54 Start: 40731, Stop: 39958, Start Num: 19

Candidate Starts for Harella_54:

(Start: 19 @40731 has 114 MA's), (Start: 24 @40707 has 38 MA's), (Start: 32 @40677 has 1 MA's), (52, 40569), (75, 40473), (94, 40392), (101, 40368), (103, 40359), (105, 40350), (130, 40245), (132, 40239), (133, 40233), (178, 40089), (182, 40077), (188, 40053), (212, 39966),

Gene: Henry_53 Start: 39815, Stop: 39042, Start Num: 19

Candidate Starts for Henry_53:

(Start: 19 @39815 has 114 MA's), (Start: 24 @39791 has 38 MA's), (Start: 32 @39761 has 1 MA's), (52, 39653), (75, 39557), (94, 39476), (101, 39452), (103, 39443), (105, 39434), (130, 39329), (132, 39323), (133, 39317), (178, 39173), (182, 39161), (188, 39137), (212, 39050),

Gene: Hidrated_81 Start: 56990, Stop: 56283, Start Num: 25

Candidate Starts for Hidrated_81:

(Start: 25 @56990 has 34 MA's), (Start: 37 @56936 has 5 MA's), (Start: 38 @56927 has 1 MA's), (58, 56831), (94, 56732), (97, 56720), (103, 56699), (126, 56609), (128, 56603), (155, 56522), (161, 56504), (170, 56465), (176, 56447), (177, 56444), (188, 56393), (193, 56381), (208, 56330),

Gene: Highbury_55 Start: 39472, Stop: 38699, Start Num: 19

Candidate Starts for Highbury_55:

(Start: 19 @39472 has 114 MA's), (Start: 24 @39448 has 38 MA's), (Start: 32 @39418 has 1 MA's), (52, 39310), (75, 39214), (94, 39133), (101, 39109), (103, 39100), (105, 39091), (130, 38986), (132, 38980), (133, 38974), (178, 38830), (182, 38818), (188, 38794), (212, 38707),

Gene: HokkenD_84 Start: 57370, Stop: 56663, Start Num: 25

Candidate Starts for HokkenD_84:

(Start: 25 @57370 has 34 MA's), (Start: 37 @57316 has 5 MA's), (Start: 38 @57307 has 1 MA's), (42, 57283), (58, 57211), (94, 57112), (97, 57100), (103, 57079), (126, 56989), (128, 56983), (155, 56902), (161, 56884), (170, 56845), (176, 56827), (177, 56824), (188, 56773), (193, 56761), (208, 56710),

Gene: Holt_59 Start: 40287, Stop: 39514, Start Num: 19

Candidate Starts for Holt_59:

(Start: 19 @40287 has 114 MA's), (Start: 24 @40263 has 38 MA's), (Start: 32 @40233 has 1 MA's), (52, 40125), (75, 40029), (94, 39948), (101, 39924), (103, 39915), (105, 39906), (130, 39801), (132, 39795), (133, 39789), (178, 39645), (182, 39633), (188, 39609), (212, 39522),

Gene: Hoonter_57 Start: 39873, Stop: 39100, Start Num: 19

Candidate Starts for Hoonter_57:

(Start: 19 @39873 has 114 MA's), (Start: 24 @39849 has 38 MA's), (Start: 32 @39819 has 1 MA's), (52, 39711), (75, 39615), (94, 39534), (101, 39510), (103, 39501), (105, 39492), (130, 39387), (132, 39381), (133, 39375), (178, 39231), (182, 39219), (188, 39195), (212, 39108),

Gene: Hopey_54 Start: 39717, Stop: 38944, Start Num: 19

Candidate Starts for Hopey_54:

(Start: 19 @39717 has 114 MA's), (Start: 24 @39693 has 38 MA's), (Start: 32 @39663 has 1 MA's), (52, 39555), (75, 39459), (94, 39378), (101, 39354), (103, 39345), (105, 39336), (130, 39231), (132, 39225), (133, 39219), (178, 39075), (182, 39063), (188, 39039), (212, 38952),

Gene: HufflyPuff_56 Start: 40547, Stop: 39774, Start Num: 19

Candidate Starts for HufflyPuff_56:

(Start: 19 @40547 has 114 MA's), (Start: 24 @40523 has 38 MA's), (Start: 32 @40493 has 1 MA's), (52, 40385), (75, 40289), (94, 40208), (101, 40184), (103, 40175), (105, 40166), (130, 40061), (132, 40055), (133, 40049), (178, 39905), (182, 39893), (188, 39869), (212, 39782),

Gene: Hughesyang_95 Start: 59005, Stop: 58352, Start Num: 37

Candidate Starts for Hughesyang_95:

(Start: 25 @59059 has 34 MA's), (Start: 37 @59005 has 5 MA's), (Start: 38 @58996 has 1 MA's), (42, 58972), (58, 58900), (94, 58801), (97, 58789), (103, 58768), (126, 58678), (128, 58672), (155, 58591), (161, 58573), (170, 58534), (176, 58516), (177, 58513), (188, 58462), (193, 58450), (208, 58399),

Gene: IHOP_52 Start: 39939, Stop: 39166, Start Num: 19

Candidate Starts for IHOP_52:

(Start: 19 @39939 has 114 MA's), (Start: 24 @39915 has 38 MA's), (Start: 32 @39885 has 1 MA's), (52, 39777), (75, 39681), (94, 39600), (101, 39576), (103, 39567), (105, 39558), (130, 39453), (132, 39447), (133, 39441), (178, 39297), (182, 39285), (188, 39261), (212, 39174),

Gene: Icee_54 Start: 39541, Stop: 38768, Start Num: 19

Candidate Starts for Icee_54:

(Start: 19 @39541 has 114 MA's), (Start: 24 @39517 has 38 MA's), (Start: 32 @39487 has 1 MA's), (52, 39379), (75, 39283), (94, 39202), (101, 39178), (103, 39169), (105, 39160), (130, 39055), (132, 39049), (133, 39043), (178, 38899), (182, 38887), (188, 38863), (212, 38776),

Gene: Inca_51 Start: 38464, Stop: 37691, Start Num: 19

Candidate Starts for Inca_51:

(Start: 19 @38464 has 114 MA's), (Start: 24 @38440 has 38 MA's), (Start: 32 @38410 has 1 MA's), (52, 38302), (75, 38206), (94, 38125), (101, 38101), (103, 38092), (105, 38083), (130, 37978), (132, 37972), (133, 37966), (178, 37822), (188, 37786), (212, 37699),

Gene: JF1_46 Start: 35662, Stop: 34841, Start Num: 24

Candidate Starts for JF1_46:

(Start: 24 @35662 has 38 MA's), (Start: 25 @35659 has 34 MA's), (28, 35644), (Start: 45 @35551 has 1 MA's), (50, 35530), (65, 35458), (80, 35416), (83, 35404), (84, 35401), (86, 35392), (92, 35362), (107, 35302), (117, 35266), (121, 35257), (147, 35164), (167, 35110), (171, 35086), (173, 35080), (177, 35068), (196, 34996), (202, 34975),

Gene: JeTaime_55 Start: 40367, Stop: 39594, Start Num: 19

Candidate Starts for JeTaime_55:

(Start: 19 @40367 has 114 MA's), (Start: 24 @40343 has 38 MA's), (Start: 32 @40313 has 1 MA's), (52, 40205), (75, 40109), (94, 40028), (101, 40004), (103, 39995), (105, 39986), (130, 39881), (132, 39875), (133, 39869), (178, 39725), (182, 39713), (188, 39689), (212, 39602),

Gene: Jobypre_37 Start: 33978, Stop: 33187, Start Num: 16

Candidate Starts for Jobypre_37:

(Start: 6 @34068 has 1 MA's), (10, 34026), (Start: 16 @33978 has 50 MA's), (20, 33960), (30, 33924), (Start: 45 @33840 has 1 MA's), (48, 33828), (61, 33777), (63, 33768), (74, 33717), (76, 33711), (103, 33600), (131, 33486), (139, 33459), (158, 33402), (189, 33288), (206, 33234), (211, 33201),

Gene: JoeDirt_36 Start: 32357, Stop: 31575, Start Num: 17

Candidate Starts for JoeDirt_36:

(Start: 17 @32357 has 19 MA's), (20, 32339), (79, 32072), (86, 32045), (87, 32042), (93, 32012), (94, 32000), (100, 31979), (114, 31931), (137, 31838), (152, 31802), (178, 31712), (194, 31658),

Gene: Jubie_37 Start: 33979, Stop: 33188, Start Num: 16

Candidate Starts for Jubie_37:

(Start: 6 @34069 has 1 MA's), (10, 34027), (Start: 16 @33979 has 50 MA's), (20, 33961), (30, 33925), (Start: 45 @33841 has 1 MA's), (48, 33829), (61, 33778), (63, 33769), (74, 33718), (76, 33712), (103, 33601), (131, 33487), (139, 33460), (158, 33403), (189, 33289), (206, 33235), (211, 33202),

Gene: JuicyJay_92 Start: 60235, Stop: 59528, Start Num: 25

Candidate Starts for JuicyJay_92:

(Start: 25 @60235 has 34 MA's), (Start: 37 @60181 has 5 MA's), (Start: 38 @60172 has 1 MA's), (58, 60076), (94, 59977), (97, 59965), (103, 59944), (126, 59854), (128, 59848), (155, 59767), (161, 59749), (170, 59710), (176, 59692), (177, 59689), (188, 59638), (193, 59626), (208, 59575),

Gene: Juliette_48 Start: 35819, Stop: 35001, Start Num: 24

Candidate Starts for Juliette_48:

(Start: 24 @35819 has 38 MA's), (Start: 25 @35816 has 34 MA's), (28, 35801), (Start: 41 @35738 has 1 MA's), (Start: 45 @35708 has 1 MA's), (50, 35687), (60, 35651), (65, 35615), (80, 35573), (83, 35561), (84, 35558), (92, 35519), (103, 35474), (107, 35459), (117, 35423), (121, 35414), (147, 35321), (167, 35267), (171, 35243), (173, 35237), (178, 35219), (196, 35153), (202, 35132),

Gene: Kahlid_39 Start: 33744, Stop: 32965, Start Num: 16

Candidate Starts for Kahlid_39:

(Start: 16 @33744 has 50 MA's), (28, 33687), (42, 33615), (55, 33549), (60, 33534), (71, 33477), (74, 33471), (86, 33429), (151, 33189), (179, 33096), (183, 33090), (194, 33051),

Gene: Kalah2_89 Start: 58394, Stop: 57687, Start Num: 25

Candidate Starts for Kalah2_89:

(Start: 25 @58394 has 34 MA's), (Start: 37 @58340 has 5 MA's), (Start: 38 @58331 has 1 MA's), (42, 58307), (58, 58235), (94, 58136), (97, 58124), (103, 58103), (126, 58013), (128, 58007), (155, 57926), (161, 57908), (170, 57869), (176, 57851), (177, 57848), (188, 57797), (193, 57785), (208, 57734),

Gene: Kanye_50 Start: 39227, Stop: 38454, Start Num: 19

Candidate Starts for Kanye_50:

(Start: 19 @39227 has 114 MA's), (Start: 24 @39203 has 38 MA's), (Start: 32 @39173 has 1 MA's), (52, 39065), (75, 38969), (94, 38888), (101, 38864), (103, 38855), (105, 38846), (130, 38741), (132, 38735), (133, 38729), (178, 38585), (182, 38573), (188, 38549), (212, 38462),

Gene: KashFlow_86 Start: 53547, Stop: 52894, Start Num: 37

Candidate Starts for KashFlow_86:

(Start: 25 @53601 has 34 MA's), (Start: 37 @53547 has 5 MA's), (Start: 38 @53538 has 1 MA's), (94, 53343), (97, 53331), (103, 53310), (115, 53268), (127, 53217), (128, 53214), (155, 53133), (161, 53115), (170, 53076), (174, 53064), (176, 53058), (177, 53055), (186, 53013), (188, 53004), (193, 52992), (208, 52941),

Gene: Kimchi_57 Start: 39876, Stop: 39103, Start Num: 19

Candidate Starts for Kimchi_57:

(Start: 19 @39876 has 114 MA's), (Start: 24 @39852 has 38 MA's), (Start: 32 @39822 has 1 MA's), (52, 39714), (75, 39618), (94, 39537), (101, 39513), (103, 39504), (105, 39495), (130, 39390), (132, 39384), (133, 39378), (178, 39234), (182, 39222), (188, 39198), (212, 39111),

Gene: Kingsolomon_37 Start: 33978, Stop: 33187, Start Num: 16

Candidate Starts for Kingsolomon_37:

(Start: 6 @34068 has 1 MA's), (10, 34026), (Start: 16 @33978 has 50 MA's), (20, 33960), (30, 33924), (Start: 45 @33840 has 1 MA's), (48, 33828), (61, 33777), (63, 33768), (74, 33717), (76, 33711), (103, 33600), (131, 33486), (139, 33459), (158, 33402), (189, 33288), (206, 33234), (211, 33201),

Gene: KirDoubleO7_35 Start: 33790, Stop: 33206, Start Num: 61

Candidate Starts for KirDoubleO7_35:

(8, 34060), (12, 34015), (Start: 16 @33991 has 50 MA's), (30, 33937), (Start: 45 @33853 has 1 MA's), (48, 33841), (51, 33829), (61, 33790), (63, 33781), (74, 33730), (76, 33724), (103, 33613), (118,

33565), (139, 33478), (158, 33421), (161, 33415), (189, 33307), (206, 33253),

Gene: Klein_96 Start: 58101, Stop: 57394, Start Num: 25

Candidate Starts for Klein_96:

(Start: 25 @58101 has 34 MA's), (Start: 37 @58047 has 5 MA's), (Start: 38 @58038 has 1 MA's), (58, 57942), (94, 57843), (97, 57831), (103, 57810), (126, 57720), (128, 57714), (155, 57633), (161, 57615), (170, 57576), (176, 57558), (177, 57555), (188, 57504), (193, 57492), (208, 57441),

Gene: Kostya_55 Start: 40014, Stop: 39265, Start Num: 24

Candidate Starts for Kostya_55:

(Start: 19 @40038 has 114 MA's), (Start: 24 @40014 has 38 MA's), (Start: 32 @39984 has 1 MA's), (52, 39876), (75, 39780), (94, 39699), (101, 39675), (103, 39666), (105, 39657), (130, 39552), (132, 39546), (133, 39540), (178, 39396), (182, 39384), (188, 39360), (212, 39273),

Gene: Kraw_46 Start: 35507, Stop: 34689, Start Num: 24

Candidate Starts for Kraw_46:

(Start: 24 @35507 has 38 MA's), (Start: 25 @35504 has 34 MA's), (28, 35489), (Start: 41 @35426 has 1 MA's), (Start: 45 @35396 has 1 MA's), (50, 35375), (60, 35339), (65, 35303), (80, 35261), (83, 35249), (84, 35246), (92, 35207), (103, 35162), (107, 35147), (117, 35111), (121, 35102), (147, 35009), (167, 34955), (171, 34931), (173, 34925), (178, 34907), (196, 34841), (202, 34820),

Gene: Kropertea_36 Start: 32524, Stop: 31736, Start Num: 16

Candidate Starts for Kropertea_36:

(Start: 16 @32524 has 50 MA's), (28, 32467), (40, 32407), (47, 32368), (51, 32350), (68, 32272), (71, 32257), (74, 32251), (86, 32209), (104, 32128), (110, 32098), (116, 32086), (122, 32068), (142, 31990), (145, 31984), (178, 31873), (189, 31831), (194, 31819),

Gene: Krypton555_37 Start: 33883, Stop: 33092, Start Num: 16

Candidate Starts for Krypton555_37:

(3, 34012), (4, 34003), (Start: 6 @33973 has 1 MA's), (Start: 11 @33916 has 1 MA's), (12, 33907), (13, 33889), (Start: 16 @33883 has 50 MA's), (30, 33829), (51, 33721), (57, 33694), (61, 33682), (62, 33676), (63, 33673), (74, 33622), (76, 33616), (90, 33559), (105, 33496), (139, 33364), (158, 33307), (189, 33193),

Gene: LeBron_37 Start: 32401, Stop: 31619, Start Num: 17

Candidate Starts for LeBron_37:

(Start: 17 @32401 has 19 MA's), (20, 32383), (79, 32116), (86, 32089), (87, 32086), (93, 32056), (94, 32044), (100, 32023), (114, 31975), (137, 31882), (152, 31846), (178, 31756), (194, 31702),

Gene: Lebo14_46 Start: 35768, Stop: 34953, Start Num: 25

Candidate Starts for Lebo14_46:

(Start: 24 @35771 has 38 MA's), (Start: 25 @35768 has 34 MA's), (28, 35753), (Start: 41 @35690 has 1 MA's), (Start: 45 @35660 has 1 MA's), (50, 35639), (60, 35603), (65, 35567), (80, 35525), (83, 35513), (84, 35510), (92, 35471), (103, 35426), (107, 35411), (117, 35375), (121, 35366), (147, 35273), (167, 35219), (171, 35195), (173, 35189), (178, 35171), (196, 35105), (202, 35084),

Gene: Lewan_39 Start: 33732, Stop: 32953, Start Num: 16

Candidate Starts for Lewan_39:

(Start: 16 @33732 has 50 MA's), (28, 33675), (30, 33669), (Start: 37 @33636 has 5 MA's), (49, 33564), (71, 33465), (74, 33459), (86, 33417), (99, 33354), (120, 33285), (160, 33153), (178, 33093), (179, 33084), (194, 33039),

Gene: LilDestine_39 Start: 33737, Stop: 32958, Start Num: 16

Candidate Starts for LilDestine_39:

(Start: 16 @33737 has 50 MA's), (28, 33680), (42, 33608), (55, 33542), (71, 33470), (74, 33464), (86, 33422), (151, 33182), (179, 33089), (183, 33083),

Gene: Lilac_57 Start: 39502, Stop: 38729, Start Num: 19

Candidate Starts for Lilac_57:

(Start: 19 @39502 has 114 MA's), (Start: 24 @39478 has 38 MA's), (Start: 32 @39448 has 1 MA's), (52, 39340), (75, 39244), (94, 39163), (101, 39139), (103, 39130), (105, 39121), (130, 39016), (132, 39010), (133, 39004), (178, 38860), (182, 38848), (188, 38824), (212, 38737),

Gene: Lilizi_54 Start: 39176, Stop: 38403, Start Num: 19

Candidate Starts for Lilizi_54:

(Start: 19 @39176 has 114 MA's), (Start: 24 @39152 has 38 MA's), (Start: 32 @39122 has 1 MA's), (52, 39014), (75, 38918), (94, 38837), (101, 38813), (103, 38804), (105, 38795), (130, 38690), (132, 38684), (133, 38678), (178, 38534), (182, 38522), (188, 38498), (212, 38411),

Gene: Lilpickle_54 Start: 39393, Stop: 38620, Start Num: 19

Candidate Starts for Lilpickle_54:

(Start: 19 @39393 has 114 MA's), (Start: 24 @39369 has 38 MA's), (Start: 32 @39339 has 1 MA's), (52, 39231), (75, 39135), (94, 39054), (101, 39030), (103, 39021), (105, 39012), (130, 38907), (132, 38901), (133, 38895), (178, 38751), (182, 38739), (188, 38715), (212, 38628),

Gene: LittleE_94 Start: 57167, Stop: 56460, Start Num: 25

Candidate Starts for LittleE_94:

(Start: 25 @57167 has 34 MA's), (Start: 37 @57113 has 5 MA's), (Start: 38 @57104 has 1 MA's), (73, 56990), (94, 56909), (97, 56897), (101, 56885), (103, 56876), (115, 56834), (128, 56780), (155, 56699), (161, 56681), (170, 56642), (174, 56630), (176, 56624), (177, 56621), (186, 56579), (188, 56570), (192, 56561), (193, 56558), (208, 56507),

Gene: LiyuLake_37 Start: 33955, Stop: 33164, Start Num: 16

Candidate Starts for LiyuLake_37:

(Start: 16 @33955 has 50 MA's), (30, 33901), (53, 33778), (63, 33745), (74, 33694), (76, 33688), (103, 33577), (131, 33463), (139, 33436), (158, 33379), (168, 33352), (211, 33178),

Gene: Loadrie_39 Start: 33770, Stop: 32991, Start Num: 16

Candidate Starts for Loadrie_39:

(Start: 16 @33770 has 50 MA's), (28, 33713), (42, 33641), (55, 33575), (60, 33560), (71, 33503), (74, 33497), (86, 33455), (151, 33215), (179, 33122), (183, 33116), (194, 33077),

Gene: Lolly9_37 Start: 33775, Stop: 32987, Start Num: 16

Candidate Starts for Lolly9_37:

(10, 33823), (Start: 16 @33775 has 50 MA's), (20, 33754), (30, 33718), (53, 33595), (61, 33571), (63, 33562), (74, 33511), (76, 33505), (90, 33448), (128, 33298), (139, 33259), (158, 33202), (161, 33196), (189, 33088), (206, 33034),

Gene: Lucky2013_88 Start: 53487, Stop: 52780, Start Num: 25

Candidate Starts for Lucky2013_88:

(Start: 25 @53487 has 34 MA's), (Start: 37 @53433 has 5 MA's), (Start: 38 @53424 has 1 MA's), (58, 53328), (73, 53310), (94, 53229), (97, 53217), (99, 53211), (101, 53205), (103, 53196), (115, 53154), (127, 53103), (128, 53100), (155, 53019), (161, 53001), (170, 52962), (174, 52950), (176, 52944), (177, 52941), (186, 52899), (188, 52890), (192, 52881), (193, 52878), (208, 52827),

Gene: Lumos_37 Start: 33975, Stop: 33184, Start Num: 16

Candidate Starts for Lumos_37:

(Start: 6 @34065 has 1 MA's), (10, 34023), (Start: 16 @33975 has 50 MA's), (20, 33957), (30, 33921), (Start: 45 @33837 has 1 MA's), (48, 33825), (61, 33774), (63, 33765), (74, 33714), (76, 33708), (103, 33597), (131, 33483), (139, 33456), (158, 33399), (189, 33285), (206, 33231), (211, 33198),

Gene: Lynnae_39 Start: 33727, Stop: 32948, Start Num: 16

Candidate Starts for Lynnae_39:

(Start: 16 @33727 has 50 MA's), (28, 33670), (42, 33598), (55, 33532), (60, 33517), (71, 33460), (74, 33454), (86, 33412), (151, 33172), (179, 33079), (183, 33073), (194, 33034),

Gene: MAckerman_37 Start: 32379, Stop: 31597, Start Num: 17

Candidate Starts for MAckerman_37:

(Start: 17 @32379 has 19 MA's), (79, 32094), (86, 32067), (87, 32064), (93, 32034), (94, 32022), (100, 32001), (114, 31953), (137, 31860), (152, 31824), (178, 31734), (194, 31680),

Gene: MISSy_54 Start: 39600, Stop: 38827, Start Num: 19

Candidate Starts for MISSy_54:

(Start: 19 @39600 has 114 MA's), (Start: 24 @39576 has 38 MA's), (Start: 32 @39546 has 1 MA's), (52, 39438), (75, 39342), (94, 39261), (101, 39237), (103, 39228), (105, 39219), (130, 39114), (132, 39108), (133, 39102), (178, 38958), (182, 38946), (188, 38922), (212, 38835),

Gene: MPhalcon_54 Start: 39593, Stop: 38820, Start Num: 19

Candidate Starts for MPhalcon_54:

(Start: 19 @39593 has 114 MA's), (Start: 24 @39569 has 38 MA's), (Start: 32 @39539 has 1 MA's), (52, 39431), (75, 39335), (94, 39254), (101, 39230), (103, 39221), (105, 39212), (130, 39107), (132, 39101), (133, 39095), (178, 38951), (182, 38939), (188, 38915), (212, 38828),

Gene: MadamMonkfish_54 Start: 39117, Stop: 38344, Start Num: 19

Candidate Starts for MadamMonkfish_54:

(Start: 19 @39117 has 114 MA's), (Start: 24 @39093 has 38 MA's), (Start: 32 @39063 has 1 MA's), (52, 38955), (75, 38859), (94, 38778), (101, 38754), (103, 38745), (105, 38736), (130, 38631), (132, 38625), (133, 38619), (178, 38475), (182, 38463), (188, 38439), (212, 38352),

Gene: MalagasyRose_43 Start: 32679, Stop: 33419, Start Num: 24

Candidate Starts for MalagasyRose_43:

(18, 32652), (Start: 23 @32670 has 1 MA's), (Start: 24 @32679 has 38 MA's), (35, 32730), (42, 32769), (49, 32808), (50, 32811), (52, 32817), (57, 32841), (59, 32847), (74, 32910), (75, 32913), (83, 32940), (84, 32943), (94, 32994), (96, 33000), (99, 33012), (103, 33027), (109, 33063), (121, 33087), (125, 33111), (130, 33135), (132, 33141), (138, 33162), (140, 33165), (167, 33243), (169, 33255), (175, 33279), (186, 33318), (188, 33324), (193, 33336), (197, 33348), (200, 33357), (201, 33360), (208, 33387),

Gene: Malthus_47 Start: 35507, Stop: 34689, Start Num: 24

Candidate Starts for Malthus_47:

(Start: 24 @35507 has 38 MA's), (Start: 25 @35504 has 34 MA's), (28, 35489), (Start: 41 @35426 has 1 MA's), (Start: 45 @35396 has 1 MA's), (50, 35375), (60, 35339), (65, 35303), (80, 35261), (83, 35249), (84, 35246), (92, 35207), (103, 35162), (107, 35147), (117, 35111), (121, 35102), (147, 35009), (167, 34955), (171, 34931), (173, 34925), (178, 34907), (196, 34841), (202, 34820),

Gene: Manda_54 Start: 40398, Stop: 39625, Start Num: 19

Candidate Starts for Manda_54:

(Start: 19 @40398 has 114 MA's), (Start: 24 @40374 has 38 MA's), (Start: 32 @40344 has 1 MA's), (52, 40236), (75, 40140), (94, 40059), (101, 40035), (103, 40026), (105, 40017), (130, 39912), (132,

39906), (133, 39900), (178, 39756), (182, 39744), (188, 39720), (212, 39633),

Gene: Marleymoo_77 Start: 55256, Stop: 54549, Start Num: 25

Candidate Starts for Marleymoo_77:

(Start: 25 @55256 has 34 MA's), (Start: 37 @55202 has 5 MA's), (Start: 38 @55193 has 1 MA's), (58, 55097), (94, 54998), (97, 54986), (103, 54965), (126, 54875), (128, 54869), (155, 54788), (161, 54770), (170, 54731), (176, 54713), (188, 54659), (193, 54647), (195, 54641), (196, 54638), (208, 54596),

Gene: Marshmallow_53 Start: 40373, Stop: 39600, Start Num: 19

Candidate Starts for Marshmallow_53:

(Start: 19 @40373 has 114 MA's), (Start: 24 @40349 has 38 MA's), (Start: 32 @40319 has 1 MA's), (52, 40211), (75, 40115), (94, 40034), (101, 40010), (103, 40001), (105, 39992), (130, 39887), (132, 39881), (133, 39875), (178, 39731), (188, 39695), (212, 39608),

Gene: Maxxinista_57 Start: 39472, Stop: 38699, Start Num: 19

Candidate Starts for Maxxinista_57:

(Start: 19 @39472 has 114 MA's), (Start: 24 @39448 has 38 MA's), (Start: 32 @39418 has 1 MA's), (52, 39310), (75, 39214), (94, 39133), (101, 39109), (103, 39100), (105, 39091), (130, 38986), (132, 38980), (133, 38974), (178, 38830), (182, 38818), (188, 38794), (212, 38707),

Gene: MiaZeal_91 Start: 54143, Stop: 53436, Start Num: 25

Candidate Starts for MiaZeal_91:

(Start: 25 @54143 has 34 MA's), (Start: 37 @54089 has 5 MA's), (Start: 38 @54080 has 1 MA's), (58, 53984), (73, 53966), (94, 53885), (97, 53873), (99, 53867), (101, 53861), (103, 53852), (115, 53810), (127, 53759), (128, 53756), (155, 53675), (161, 53657), (170, 53618), (174, 53606), (176, 53600), (177, 53597), (186, 53555), (188, 53546), (192, 53537), (193, 53534), (208, 53483),

Gene: Miley16_39 Start: 33739, Stop: 32960, Start Num: 16

Candidate Starts for Miley16_39:

(Start: 16 @33739 has 50 MA's), (28, 33682), (42, 33610), (47, 33583), (55, 33544), (71, 33472), (74, 33466), (86, 33424), (126, 33256), (151, 33184), (179, 33091), (183, 33085), (194, 33046),

Gene: Mindy_53 Start: 38981, Stop: 38208, Start Num: 19

Candidate Starts for Mindy_53:

(Start: 19 @38981 has 114 MA's), (Start: 24 @38957 has 38 MA's), (Start: 32 @38927 has 1 MA's), (52, 38819), (75, 38723), (94, 38642), (101, 38618), (103, 38609), (105, 38600), (130, 38495), (132, 38489), (133, 38483), (178, 38339), (182, 38327), (188, 38303), (212, 38216),

Gene: Minerva_95 Start: 59047, Stop: 58340, Start Num: 24

Candidate Starts for Minerva_95:

(Start: 24 @59047 has 38 MA's), (Start: 38 @58984 has 1 MA's), (58, 58888), (91, 58804), (94, 58789), (97, 58777), (98, 58774), (101, 58765), (103, 58756), (104, 58753), (141, 58618), (143, 58615), (147, 58606), (148, 58603), (155, 58579), (157, 58570), (161, 58561), (165, 58552), (169, 58531), (172, 58516), (177, 58501), (183, 58471), (185, 58465), (186, 58459), (188, 58450), (193, 58438), (200, 58417),

Gene: MiniLon_37 Start: 33776, Stop: 32988, Start Num: 16

Candidate Starts for MiniLon_37:

(10, 33824), (Start: 16 @33776 has 50 MA's), (20, 33755), (30, 33719), (53, 33596), (61, 33572), (63, 33563), (74, 33512), (76, 33506), (90, 33449), (128, 33299), (139, 33260), (158, 33203), (161, 33197), (189, 33089), (206, 33035),

Gene: MiniMac_37 Start: 33773, Stop: 32985, Start Num: 16

Candidate Starts for MiniMac_37:

(10, 33821), (Start: 16 @33773 has 50 MA's), (20, 33752), (30, 33716), (53, 33593), (61, 33569), (63, 33560), (74, 33509), (76, 33503), (90, 33446), (128, 33296), (139, 33257), (158, 33200), (161, 33194), (189, 33086), (206, 33032),

Gene: Miniwave_51 Start: 39434, Stop: 38661, Start Num: 19

Candidate Starts for Miniwave_51:

(Start: 19 @39434 has 114 MA's), (Start: 24 @39410 has 38 MA's), (Start: 32 @39380 has 1 MA's), (52, 39272), (75, 39176), (94, 39095), (101, 39071), (103, 39062), (105, 39053), (130, 38948), (132, 38942), (133, 38936), (178, 38792), (182, 38780), (188, 38756), (212, 38669),

Gene: Misfit_56 Start: 40612, Stop: 39839, Start Num: 19

Candidate Starts for Misfit_56:

(Start: 19 @40612 has 114 MA's), (Start: 24 @40588 has 38 MA's), (Start: 32 @40558 has 1 MA's), (52, 40450), (75, 40354), (94, 40273), (101, 40249), (103, 40240), (105, 40231), (130, 40126), (132, 40120), (133, 40114), (178, 39970), (182, 39958), (188, 39934), (212, 39847),

Gene: MissDaisy_44 Start: 34981, Stop: 34190, Start Num: 24

Candidate Starts for MissDaisy_44:

(Start: 24 @34981 has 38 MA's), (31, 34954), (Start: 37 @34924 has 5 MA's), (Start: 38 @34915 has 1 MA's), (61, 34810), (65, 34777), (78, 34741), (80, 34735), (83, 34723), (84, 34720), (86, 34711), (92, 34681), (103, 34636), (107, 34621), (134, 34513), (147, 34483), (156, 34456), (167, 34429), (173, 34399), (200, 34303), (208, 34273),

Gene: Mitti_46 Start: 35683, Stop: 34865, Start Num: 24

Candidate Starts for Mitti_46:

(Start: 24 @35683 has 38 MA's), (Start: 25 @35680 has 34 MA's), (28, 35665), (Start: 41 @35602 has 1 MA's), (Start: 45 @35572 has 1 MA's), (50, 35551), (60, 35515), (65, 35479), (80, 35437), (83, 35425), (84, 35422), (92, 35383), (103, 35338), (107, 35323), (117, 35287), (121, 35278), (147, 35185), (167, 35131), (171, 35107), (173, 35101), (178, 35083), (196, 35017), (202, 34996),

Gene: MkaliMitinis3_39 Start: 33739, Stop: 32960, Start Num: 16

Candidate Starts for MkaliMitinis3_39:

(2, 33889), (5, 33835), (7, 33820), (Start: 16 @33739 has 50 MA's), (28, 33682), (42, 33610), (55, 33544), (60, 33529), (71, 33472), (74, 33466), (86, 33424), (151, 33184), (179, 33091), (183, 33085), (194, 33046),

Gene: Moldemort_57 Start: 39990, Stop: 39217, Start Num: 19

Candidate Starts for Moldemort_57:

(Start: 19 @39990 has 114 MA's), (Start: 24 @39966 has 38 MA's), (Start: 32 @39936 has 1 MA's), (52, 39828), (75, 39732), (94, 39651), (101, 39627), (103, 39618), (105, 39609), (130, 39504), (132, 39498), (133, 39492), (178, 39348), (182, 39336), (188, 39312), (212, 39225),

Gene: MollyToe_49 Start: 38279, Stop: 37668, Start Num: 52

Candidate Starts for MollyToe_49:

(Start: 19 @38441 has 114 MA's), (Start: 24 @38417 has 38 MA's), (Start: 32 @38387 has 1 MA's), (52, 38279), (75, 38183), (94, 38102), (101, 38078), (103, 38069), (105, 38060), (130, 37955), (132, 37949), (133, 37943), (178, 37799), (182, 37787), (188, 37763), (212, 37676),

Gene: Moostard_37 Start: 33980, Stop: 33189, Start Num: 16

Candidate Starts for Moostard_37:

(Start: 6 @34070 has 1 MA's), (10, 34028), (Start: 16 @33980 has 50 MA's), (20, 33962), (30, 33926), (Start: 45 @33842 has 1 MA's), (48, 33830), (61, 33779), (63, 33770), (74, 33719), (76, 33713), (103, 33602), (131, 33488), (139, 33461), (158, 33404), (189, 33290), (206, 33236), (211, 33203),

Gene: Mosby_50 Start: 38895, Stop: 38122, Start Num: 19

Candidate Starts for Mosby_50:

(Start: 19 @38895 has 114 MA's), (Start: 24 @38871 has 38 MA's), (Start: 32 @38841 has 1 MA's), (52, 38733), (75, 38637), (94, 38556), (101, 38532), (103, 38523), (105, 38514), (130, 38409), (132, 38403), (133, 38397), (178, 38253), (182, 38241), (188, 38217), (212, 38130),

Gene: MsGreen_37 Start: 33978, Stop: 33187, Start Num: 16

Candidate Starts for MsGreen_37:

(Start: 6 @34068 has 1 MA's), (10, 34026), (Start: 16 @33978 has 50 MA's), (20, 33960), (30, 33924), (Start: 45 @33840 has 1 MA's), (48, 33828), (61, 33777), (63, 33768), (74, 33717), (76, 33711), (103, 33600), (131, 33486), (139, 33459), (158, 33402), (189, 33288), (206, 33234), (211, 33201),

Gene: Murica_56 Start: 40547, Stop: 39774, Start Num: 19

Candidate Starts for Murica_56:

(Start: 19 @40547 has 114 MA's), (Start: 24 @40523 has 38 MA's), (Start: 32 @40493 has 1 MA's), (52, 40385), (75, 40289), (94, 40208), (101, 40184), (103, 40175), (105, 40166), (130, 40061), (132, 40055), (133, 40049), (178, 39905), (182, 39893), (188, 39869), (212, 39782),

Gene: Murphy_56 Start: 39984, Stop: 39211, Start Num: 19

Candidate Starts for Murphy_56:

(Start: 19 @39984 has 114 MA's), (Start: 24 @39960 has 38 MA's), (Start: 32 @39930 has 1 MA's), (52, 39822), (75, 39726), (94, 39645), (101, 39621), (103, 39612), (105, 39603), (130, 39498), (132, 39492), (133, 39486), (178, 39342), (182, 39330), (188, 39306), (212, 39219),

Gene: Myrale_54 Start: 40238, Stop: 39465, Start Num: 19

Candidate Starts for Myrale_54:

(Start: 19 @40238 has 114 MA's), (Start: 24 @40214 has 38 MA's), (Start: 32 @40184 has 1 MA's), (52, 40076), (75, 39980), (94, 39899), (101, 39875), (103, 39866), (105, 39857), (130, 39752), (132, 39746), (133, 39740), (178, 39596), (188, 39560), (212, 39473),

Gene: Nala_55 Start: 40105, Stop: 39332, Start Num: 19

Candidate Starts for Nala_55:

(Start: 19 @40105 has 114 MA's), (Start: 24 @40081 has 38 MA's), (Start: 32 @40051 has 1 MA's), (52, 39943), (75, 39847), (94, 39766), (101, 39742), (103, 39733), (105, 39724), (130, 39619), (132, 39613), (133, 39607), (178, 39463), (182, 39451), (188, 39427), (212, 39340),

Gene: Nebkiss_67 Start: 43437, Stop: 42649, Start Num: 15

Candidate Starts for Nebkiss_67:

(Start: 15 @43437 has 2 MA's), (Start: 24 @43398 has 38 MA's), (52, 43260), (89, 43107), (94, 43083), (103, 43050), (113, 43008), (121, 42990), (125, 42966), (168, 42831), (171, 42810), (186, 42759), (206, 42699), (208, 42690),

Gene: Nekros_91 Start: 57042, Stop: 56398, Start Num: 38

Candidate Starts for Nekros_91:

(Start: 25 @57105 has 34 MA's), (Start: 37 @57051 has 5 MA's), (Start: 38 @57042 has 1 MA's), (42, 57018), (58, 56946), (94, 56847), (97, 56835), (103, 56814), (126, 56724), (128, 56718), (155, 56637), (161, 56619), (170, 56580), (176, 56562), (177, 56559), (188, 56508), (193, 56496), (208, 56445),

Gene: NelitzaMV_51 Start: 39182, Stop: 38409, Start Num: 19

Candidate Starts for NelitzaMV_51:

(Start: 19 @39182 has 114 MA's), (Start: 24 @39158 has 38 MA's), (Start: 32 @39128 has 1 MA's), (52, 39020), (75, 38924), (94, 38843), (101, 38819), (103, 38810), (105, 38801), (130, 38696), (132, 38690), (133, 38684), (178, 38540), (182, 38528), (188, 38504), (212, 38417),

Gene: Netyap_39 Start: 33739, Stop: 32960, Start Num: 16

Candidate Starts for Netyap_39:

(Start: 16 @33739 has 50 MA's), (28, 33682), (42, 33610), (47, 33583), (55, 33544), (71, 33472), (74, 33466), (86, 33424), (126, 33256), (151, 33184), (179, 33091), (183, 33085), (194, 33046),

Gene: Nibb_44 Start: 34807, Stop: 34040, Start Num: 27

Candidate Starts for Nibb_44:

(Start: 27 @34807 has 1 MA's), (34, 34780), (36, 34768), (40, 34744), (44, 34714), (68, 34615), (70, 34606), (80, 34579), (101, 34489), (102, 34483), (103, 34480), (106, 34468), (112, 34435), (126, 34384), (156, 34294), (163, 34279), (171, 34243), (183, 34195), (185, 34189), (188, 34168), (203, 34126), (212, 34084), (214, 34051),

Gene: Nibley_84 Start: 53530, Stop: 52823, Start Num: 25

Candidate Starts for Nibley_84:

(Start: 25 @53530 has 34 MA's), (Start: 37 @53476 has 5 MA's), (Start: 38 @53467 has 1 MA's), (94, 53272), (97, 53260), (99, 53254), (101, 53248), (103, 53239), (115, 53197), (128, 53143), (155, 53062), (161, 53044), (170, 53005), (174, 52993), (176, 52987), (177, 52984), (186, 52942), (192, 52924), (208, 52870),

Gene: Nicholas_37 Start: 33978, Stop: 33187, Start Num: 16

Candidate Starts for Nicholas_37:

(Start: 6 @34068 has 1 MA's), (10, 34026), (Start: 16 @33978 has 50 MA's), (20, 33960), (30, 33924), (Start: 45 @33840 has 1 MA's), (48, 33828), (61, 33777), (63, 33768), (74, 33717), (76, 33711), (103, 33600), (131, 33486), (139, 33459), (158, 33402), (189, 33288), (206, 33234), (211, 33201),

Gene: Nicholasp3_39 Start: 33740, Stop: 32961, Start Num: 16

Candidate Starts for Nicholasp3_39:

(Start: 16 @33740 has 50 MA's), (28, 33683), (42, 33611), (55, 33545), (71, 33473), (74, 33467), (86, 33425), (151, 33185), (179, 33092), (183, 33086), (194, 33047),

Gene: NihilNomen_97 Start: 59187, Stop: 58480, Start Num: 25

Candidate Starts for NihilNomen_97:

(Start: 25 @59187 has 34 MA's), (Start: 37 @59133 has 5 MA's), (Start: 38 @59124 has 1 MA's), (58, 59028), (94, 58929), (97, 58917), (103, 58896), (126, 58806), (128, 58800), (155, 58719), (161, 58701), (170, 58662), (176, 58644), (177, 58641), (188, 58590), (193, 58578), (208, 58527),

Gene: Nimrod_57 Start: 40805, Stop: 40032, Start Num: 19

Candidate Starts for Nimrod_57:

(Start: 19 @40805 has 114 MA's), (Start: 24 @40781 has 38 MA's), (Start: 32 @40751 has 1 MA's), (52, 40643), (75, 40547), (94, 40466), (101, 40442), (103, 40433), (105, 40424), (130, 40319), (132, 40313), (133, 40307), (178, 40163), (182, 40151), (188, 40127), (212, 40040),

Gene: NoSleep_56 Start: 39744, Stop: 38971, Start Num: 19

Candidate Starts for NoSleep_56:

(Start: 19 @39744 has 114 MA's), (Start: 24 @39720 has 38 MA's), (Start: 32 @39690 has 1 MA's), (52, 39582), (75, 39486), (94, 39405), (101, 39381), (103, 39372), (105, 39363), (130, 39258), (132, 39252), (133, 39246), (178, 39102), (182, 39090), (188, 39066), (212, 38979),

Gene: NonchalantPear_54 Start: 39564, Stop: 38815, Start Num: 24

Candidate Starts for NonchalantPear_54:

(Start: 19 @39588 has 114 MA's), (Start: 24 @39564 has 38 MA's), (Start: 32 @39534 has 1 MA's), (52, 39426), (75, 39330), (94, 39249), (101, 39225), (103, 39216), (105, 39207), (130, 39102), (132, 39096), (133, 39090), (178, 38946), (182, 38934), (188, 38910), (212, 38823),

Gene: Odette_95 Start: 58230, Stop: 57523, Start Num: 25

Candidate Starts for Odette_95:

(Start: 25 @58230 has 34 MA's), (Start: 37 @58176 has 5 MA's), (Start: 38 @58167 has 1 MA's), (42, 58143), (58, 58071), (94, 57972), (97, 57960), (103, 57939), (126, 57849), (128, 57843), (155, 57762), (161, 57744), (170, 57705), (176, 57687), (177, 57684), (188, 57633), (193, 57621), (208, 57570),

Gene: OhShagHennessy_36 Start: 32347, Stop: 31565, Start Num: 17

Candidate Starts for OhShagHennessy_36:

(Start: 17 @32347 has 19 MA's), (20, 32329), (79, 32062), (86, 32035), (87, 32032), (93, 32002), (94, 31990), (100, 31969), (137, 31828), (152, 31792), (178, 31702), (194, 31648),

Gene: Omega_99 Start: 58940, Stop: 58233, Start Num: 25

Candidate Starts for Omega_99:

(Start: 25 @58940 has 34 MA's), (Start: 37 @58886 has 5 MA's), (Start: 38 @58877 has 1 MA's), (58, 58781), (94, 58682), (97, 58670), (99, 58664), (101, 58658), (103, 58649), (115, 58607), (127, 58556), (128, 58553), (155, 58472), (161, 58454), (170, 58415), (174, 58403), (176, 58397), (177, 58394), (186, 58352), (188, 58343), (193, 58331), (208, 58280),

Gene: OmniCritical_45 Start: 35490, Stop: 34672, Start Num: 24

Candidate Starts for OmniCritical_45:

(Start: 24 @35490 has 38 MA's), (Start: 25 @35487 has 34 MA's), (28, 35472), (Start: 41 @35409 has 1 MA's), (Start: 45 @35379 has 1 MA's), (50, 35358), (60, 35322), (65, 35286), (80, 35244), (83, 35232), (84, 35229), (92, 35190), (103, 35145), (107, 35130), (117, 35094), (121, 35085), (147, 34992), (167, 34938), (171, 34914), (173, 34908), (178, 34890), (196, 34824), (202, 34803),

Gene: Omnicron_43 Start: 33409, Stop: 32570, Start Num: 21

Candidate Starts for Omnicron_43:

(Start: 21 @33409 has 1 MA's), (Start: 32 @33367 has 1 MA's), (46, 33283), (49, 33268), (54, 33247), (57, 33241), (82, 33142), (85, 33130), (94, 33085), (95, 33082), (103, 33052), (120, 32974), (164, 32827), (174, 32782), (180, 32755), (204, 32686),

Gene: Optimus_89 Start: 57722, Stop: 57015, Start Num: 25

Candidate Starts for Optimus_89:

(Start: 25 @57722 has 34 MA's), (Start: 37 @57668 has 5 MA's), (Start: 38 @57659 has 1 MA's), (58, 57563), (94, 57464), (97, 57452), (103, 57431), (126, 57341), (128, 57335), (155, 57254), (161, 57236), (170, 57197), (176, 57179), (177, 57176), (188, 57125), (193, 57113), (208, 57062),

Gene: OrionPax_53 Start: 39189, Stop: 38416, Start Num: 19

Candidate Starts for OrionPax_53:

(Start: 19 @39189 has 114 MA's), (Start: 24 @39165 has 38 MA's), (Start: 32 @39135 has 1 MA's), (52, 39027), (75, 38931), (94, 38850), (101, 38826), (103, 38817), (105, 38808), (130, 38703), (132, 38697), (133, 38691), (178, 38547), (182, 38535), (188, 38511), (212, 38424),

Gene: OverPar_40 Start: 33770, Stop: 32991, Start Num: 16

Candidate Starts for OverPar_40:

(Start: 16 @33770 has 50 MA's), (28, 33713), (42, 33641), (55, 33575), (60, 33560), (71, 33503), (74, 33497), (86, 33455), (151, 33215), (179, 33122), (183, 33116), (194, 33077),

Gene: PYPDinur_36 Start: 32488, Stop: 31700, Start Num: 16

Candidate Starts for PYPDinur_36:

(Start: 16 @32488 has 50 MA's), (28, 32431), (31, 32422), (40, 32371), (47, 32332), (51, 32314), (68, 32236), (71, 32221), (74, 32215), (86, 32173), (104, 32092), (116, 32050), (122, 32032), (145, 31948), (152, 31927), (178, 31837), (189, 31795), (194, 31783),

Gene: Palpatine_57 Start: 40553, Stop: 39804, Start Num: 24

Candidate Starts for Palpatine_57:

(Start: 19 @40577 has 114 MA's), (Start: 24 @40553 has 38 MA's), (Start: 32 @40523 has 1 MA's), (52, 40415), (75, 40319), (94, 40238), (101, 40214), (103, 40205), (105, 40196), (130, 40091), (132, 40085), (133, 40079), (178, 39935), (182, 39923), (188, 39899), (212, 39812),

Gene: Paperbeatsrock_53 Start: 40112, Stop: 39339, Start Num: 19

Candidate Starts for Paperbeatsrock_53:

(Start: 19 @40112 has 114 MA's), (Start: 24 @40088 has 38 MA's), (Start: 32 @40058 has 1 MA's), (52, 39950), (75, 39854), (94, 39773), (101, 39749), (103, 39740), (105, 39731), (130, 39626), (132, 39620), (133, 39614), (178, 39470), (182, 39458), (188, 39434), (212, 39347),

Gene: Pat3_52 Start: 38288, Stop: 37569, Start Num: 32

Candidate Starts for Pat3_52:

(Start: 19 @38342 has 114 MA's), (Start: 24 @38318 has 38 MA's), (Start: 32 @38288 has 1 MA's), (52, 38180), (75, 38084), (94, 38003), (101, 37979), (103, 37970), (105, 37961), (130, 37856), (132, 37850), (133, 37844), (178, 37700), (182, 37688), (188, 37664), (212, 37577),

Gene: Patt_43 Start: 34705, Stop: 33914, Start Num: 24

Candidate Starts for Patt_43:

(Start: 24 @34705 has 38 MA's), (31, 34678), (Start: 37 @34648 has 5 MA's), (Start: 38 @34639 has 1 MA's), (61, 34534), (65, 34501), (78, 34465), (80, 34459), (83, 34447), (84, 34444), (86, 34435), (92, 34405), (103, 34360), (107, 34345), (134, 34237), (147, 34207), (156, 34180), (173, 34123), (200, 34027), (208, 33997),

Gene: Petra64142_59 Start: 41017, Stop: 40268, Start Num: 24

Candidate Starts for Petra64142_59:

(Start: 19 @41041 has 114 MA's), (Start: 24 @41017 has 38 MA's), (Start: 32 @40987 has 1 MA's), (52, 40879), (75, 40783), (94, 40702), (101, 40678), (103, 40669), (105, 40660), (130, 40555), (132, 40549), (133, 40543), (178, 40399), (182, 40387), (188, 40363), (212, 40276),

Gene: Phaja_52 Start: 39938, Stop: 39165, Start Num: 19

Candidate Starts for Phaja_52:

(Start: 19 @39938 has 114 MA's), (Start: 24 @39914 has 38 MA's), (Start: 32 @39884 has 1 MA's), (52, 39776), (75, 39680), (94, 39599), (101, 39575), (103, 39566), (105, 39557), (130, 39452), (132, 39446), (133, 39440), (178, 39296), (182, 39284), (188, 39260), (212, 39173),

Gene: Pharsalus_52 Start: 39912, Stop: 39139, Start Num: 19

Candidate Starts for Pharsalus_52:

(Start: 19 @39912 has 114 MA's), (Start: 24 @39888 has 38 MA's), (Start: 32 @39858 has 1 MA's), (52, 39750), (75, 39654), (94, 39573), (101, 39549), (103, 39540), (105, 39531), (130, 39426), (132, 39420), (133, 39414), (178, 39270), (182, 39258), (188, 39234), (212, 39147),

Gene: PhatBacter_57 Start: 40591, Stop: 39818, Start Num: 19

Candidate Starts for PhatBacter_57:

(Start: 19 @40591 has 114 MA's), (Start: 24 @40567 has 38 MA's), (Start: 32 @40537 has 1 MA's), (52, 40429), (75, 40333), (94, 40252), (101, 40228), (103, 40219), (105, 40210), (130, 40105), (132, 40099), (133, 40093), (178, 39949), (182, 39937), (188, 39913), (212, 39826),

Gene: Phaux_56 Start: 40589, Stop: 39816, Start Num: 19

Candidate Starts for Phaux_56:

(Start: 19 @40589 has 114 MA's), (Start: 24 @40565 has 38 MA's), (Start: 32 @40535 has 1 MA's), (52, 40427), (75, 40331), (94, 40250), (101, 40226), (103, 40217), (105, 40208), (130, 40103), (132, 40097), (133, 40091), (178, 39947), (182, 39935), (188, 39911), (212, 39824),

Gene: Phoebus_97 Start: 60370, Stop: 59663, Start Num: 25

Candidate Starts for Phoebus_97:

(Start: 25 @60370 has 34 MA's), (Start: 37 @60316 has 5 MA's), (Start: 38 @60307 has 1 MA's), (42, 60283), (58, 60211), (94, 60112), (97, 60100), (103, 60079), (126, 59989), (128, 59983), (155, 59902), (161, 59884), (170, 59845), (176, 59827), (177, 59824), (188, 59773), (193, 59761), (208, 59710),

Gene: Phrappuccino_39 Start: 21883, Stop: 22644, Start Num: 24

Candidate Starts for Phrappuccino_39:

(9, 21793), (22, 21868), (Start: 24 @21883 has 38 MA's), (33, 21922), (35, 21934), (42, 21973), (43, 21985), (44, 21991), (49, 22012), (51, 22018), (53, 22033), (71, 22108), (81, 22135), (83, 22144), (85, 22150), (99, 22216), (100, 22219), (103, 22231), (119, 22285), (122, 22297), (123, 22303), (124, 22312), (128, 22330), (138, 22366), (140, 22369), (154, 22408), (161, 22429), (162, 22432), (174, 22480), (196, 22543), (199, 22552), (200, 22555), (209, 22594), (213, 22630),

Gene: Phrux_52 Start: 39182, Stop: 38409, Start Num: 19

Candidate Starts for Phrux_52:

(Start: 19 @39182 has 114 MA's), (Start: 24 @39158 has 38 MA's), (Start: 32 @39128 has 1 MA's), (52, 39020), (75, 38924), (94, 38843), (101, 38819), (103, 38810), (105, 38801), (130, 38696), (132, 38690), (133, 38684), (178, 38540), (182, 38528), (188, 38504), (212, 38417),

Gene: Policronamos_57 Start: 40589, Stop: 39816, Start Num: 19

Candidate Starts for Policronamos_57:

(Start: 19 @40589 has 114 MA's), (Start: 24 @40565 has 38 MA's), (Start: 32 @40535 has 1 MA's), (52, 40427), (75, 40331), (94, 40250), (101, 40226), (103, 40217), (105, 40208), (130, 40103), (132, 40097), (133, 40091), (178, 39947), (182, 39935), (188, 39911), (212, 39824),

Gene: Poochiewood_36 Start: 32357, Stop: 31593, Start Num: 20

Candidate Starts for Poochiewood_36:

(Start: 17 @32375 has 19 MA's), (20, 32357), (79, 32090), (86, 32063), (87, 32060), (93, 32030), (94, 32018), (100, 31997), (114, 31949), (137, 31856), (152, 31820), (178, 31730), (194, 31676),

Gene: Porcelain_89 Start: 54143, Stop: 53436, Start Num: 25

Candidate Starts for Porcelain_89:

(Start: 25 @54143 has 34 MA's), (Start: 37 @54089 has 5 MA's), (Start: 38 @54080 has 1 MA's), (58, 53984), (73, 53966), (94, 53885), (97, 53873), (99, 53867), (101, 53861), (103, 53852), (115, 53810), (127, 53759), (128, 53756), (155, 53675), (161, 53657), (170, 53618), (174, 53606), (176, 53600), (177, 53597), (186, 53555), (188, 53546), (192, 53537), (193, 53534), (208, 53483),

Gene: Porky_53 Start: 39308, Stop: 38535, Start Num: 19

Candidate Starts for Porky_53:

(Start: 19 @39308 has 114 MA's), (Start: 24 @39284 has 38 MA's), (Start: 32 @39254 has 1 MA's), (52, 39146), (75, 39050), (94, 38969), (101, 38945), (103, 38936), (105, 38927), (130, 38822), (132, 38816), (133, 38810), (178, 38666), (182, 38654), (188, 38630), (212, 38543),

Gene: Pound_87 Start: 58399, Stop: 57692, Start Num: 25

Candidate Starts for Pound_87:

(Start: 25 @58399 has 34 MA's), (Start: 37 @58345 has 5 MA's), (Start: 38 @58336 has 1 MA's), (42, 58312), (58, 58240), (94, 58141), (97, 58129), (103, 58108), (126, 58018), (128, 58012), (155, 57931), (161, 57913), (170, 57874), (176, 57856), (177, 57853), (188, 57802), (193, 57790), (208, 57739),

Gene: Ptowny_53 Start: 38750, Stop: 38001, Start Num: 24

Candidate Starts for Ptowny_53:

(Start: 19 @38774 has 114 MA's), (Start: 24 @38750 has 38 MA's), (Start: 32 @38720 has 1 MA's), (52, 38612), (75, 38516), (94, 38435), (101, 38411), (103, 38402), (105, 38393), (130, 38288), (132, 38282), (133, 38276), (178, 38132), (182, 38120), (188, 38096), (212, 38009),

Gene: Pumpkin_56 Start: 40239, Stop: 39466, Start Num: 19

Candidate Starts for Pumpkin_56:

(Start: 19 @40239 has 114 MA's), (Start: 24 @40215 has 38 MA's), (Start: 32 @40185 has 1 MA's), (52, 40077), (75, 39981), (94, 39900), (101, 39876), (103, 39867), (105, 39858), (130, 39753), (132, 39747), (133, 39741), (178, 39597), (182, 39585), (188, 39561), (212, 39474),

Gene: Quallification_55 Start: 40227, Stop: 39454, Start Num: 19

Candidate Starts for Quallification_55:

(Start: 19 @40227 has 114 MA's), (Start: 24 @40203 has 38 MA's), (Start: 32 @40173 has 1 MA's), (52, 40065), (75, 39969), (94, 39888), (101, 39864), (103, 39855), (105, 39846), (130, 39741), (132, 39735), (133, 39729), (178, 39585), (182, 39573), (188, 39549), (212, 39462),

Gene: Quby_36 Start: 32381, Stop: 31593, Start Num: 16

Candidate Starts for Quby_36:

(Start: 16 @32381 has 50 MA's), (28, 32324), (40, 32264), (47, 32225), (51, 32207), (68, 32129), (71, 32114), (74, 32108), (86, 32066), (101, 31997), (104, 31985), (116, 31943), (122, 31925), (145, 31841), (152, 31820), (178, 31730), (189, 31688), (194, 31676),

Gene: Rakim_56 Start: 39965, Stop: 39216, Start Num: 24

Candidate Starts for Rakim_56:

(Start: 19 @39989 has 114 MA's), (Start: 24 @39965 has 38 MA's), (Start: 32 @39935 has 1 MA's), (52, 39827), (75, 39731), (94, 39650), (101, 39626), (103, 39617), (105, 39608), (130, 39503), (132, 39497), (133, 39491), (178, 39347), (182, 39335), (188, 39311), (212, 39224),

Gene: Rearden_85 Start: 54332, Stop: 53625, Start Num: 25

Candidate Starts for Rearden_85:

(Start: 25 @54332 has 34 MA's), (Start: 37 @54278 has 5 MA's), (Start: 38 @54269 has 1 MA's), (58, 54173), (94, 54074), (97, 54062), (103, 54041), (115, 53999), (127, 53948), (128, 53945), (155, 53864), (161, 53846), (170, 53807), (176, 53789), (177, 53786), (186, 53744), (188, 53735), (193, 53723), (208, 53672),

Gene: Red305_37 Start: 33978, Stop: 33187, Start Num: 16

Candidate Starts for Red305_37:

(Start: 6 @34068 has 1 MA's), (10, 34026), (Start: 16 @33978 has 50 MA's), (20, 33960), (30, 33924), (Start: 45 @33840 has 1 MA's), (48, 33828), (61, 33777), (63, 33768), (74, 33717), (76, 33711), (103, 33600), (131, 33486), (139, 33459), (158, 33402), (189, 33288), (206, 33234), (211, 33201),

Gene: Redno2_87 Start: 54921, Stop: 54214, Start Num: 25

Candidate Starts for Redno2_87:

(Start: 25 @54921 has 34 MA's), (Start: 37 @54867 has 5 MA's), (Start: 38 @54858 has 1 MA's), (42, 54834), (58, 54762), (94, 54663), (97, 54651), (103, 54630), (126, 54540), (128, 54534), (150, 54468), (155, 54453), (161, 54435), (170, 54396), (176, 54378), (188, 54324), (193, 54312), (195, 54306), (196, 54303), (208, 54261),

Gene: Reptar3000_44 Start: 34696, Stop: 33905, Start Num: 24

Candidate Starts for Reptar3000_44:

(Start: 24 @34696 has 38 MA's), (31, 34669), (Start: 37 @34639 has 5 MA's), (Start: 38 @34630 has 1 MA's), (61, 34525), (65, 34492), (78, 34456), (80, 34450), (83, 34438), (84, 34435), (86, 34426), (92, 34396), (103, 34351), (107, 34336), (134, 34228), (147, 34198), (156, 34171), (167, 34144), (173, 34114), (200, 34018), (208, 33988),

Gene: Rimmer_55 Start: 39931, Stop: 39158, Start Num: 19

Candidate Starts for Rimmer_55:

(Start: 19 @39931 has 114 MA's), (Start: 24 @39907 has 38 MA's), (Start: 32 @39877 has 1 MA's), (52, 39769), (75, 39673), (94, 39592), (101, 39568), (103, 39559), (105, 39550), (130, 39445), (132, 39439), (133, 39433), (178, 39289), (182, 39277), (188, 39253), (212, 39166),

Gene: RiverMonster_55 Start: 39760, Stop: 38987, Start Num: 19

Candidate Starts for RiverMonster_55:

(Start: 19 @39760 has 114 MA's), (Start: 24 @39736 has 38 MA's), (Start: 32 @39706 has 1 MA's), (52, 39598), (75, 39502), (94, 39421), (101, 39397), (103, 39388), (105, 39379), (130, 39274), (132, 39268), (133, 39262), (178, 39118), (182, 39106), (188, 39082), (212, 38995),

Gene: Rose5_36 Start: 32374, Stop: 31592, Start Num: 17

Candidate Starts for Rose5_36:

(Start: 17 @32374 has 19 MA's), (20, 32356), (79, 32089), (86, 32062), (87, 32059), (93, 32029), (94, 32017), (100, 31996), (114, 31948), (137, 31855), (152, 31819), (178, 31729), (194, 31675),

Gene: Rossetti_39 Start: 33812, Stop: 33228, Start Num: 55

Candidate Starts for Rossetti_39:

(Start: 16 @34007 has 50 MA's), (28, 33950), (55, 33812), (71, 33740), (74, 33734), (86, 33692), (91, 33665), (107, 33599), (126, 33524), (160, 33428), (173, 33386), (178, 33368), (179, 33359), (194, 33314),

Gene: Rumpelstiltskin_39 Start: 34006, Stop: 33227, Start Num: 16

Candidate Starts for Rumpelstiltskin_39:

(Start: 16 @34006 has 50 MA's), (28, 33949), (42, 33877), (55, 33811), (71, 33739), (74, 33733), (86, 33691), (151, 33451), (179, 33358), (183, 33352), (194, 33313),

Gene: Ruthiejr_47 Start: 35557, Stop: 34739, Start Num: 24

Candidate Starts for Ruthiejr_47:

(Start: 24 @35557 has 38 MA's), (Start: 25 @35554 has 34 MA's), (28, 35539), (Start: 41 @35476 has 1 MA's), (Start: 45 @35446 has 1 MA's), (50, 35425), (60, 35389), (65, 35353), (80, 35311), (83, 35299), (84, 35296), (92, 35257), (103, 35212), (107, 35197), (117, 35161), (121, 35152), (147, 35059), (167, 35005), (171, 34981), (173, 34975), (178, 34957), (196, 34891), (202, 34870),

Gene: Saints25_55 Start: 39472, Stop: 38699, Start Num: 19

Candidate Starts for Saints25_55:

(Start: 19 @39472 has 114 MA's), (Start: 24 @39448 has 38 MA's), (Start: 32 @39418 has 1 MA's), (52, 39310), (75, 39214), (94, 39133), (101, 39109), (103, 39100), (105, 39091), (130, 38986), (132, 38980), (133, 38974), (178, 38830), (182, 38818), (188, 38794), (212, 38707),

Gene: SamScheppers_45 Start: 35986, Stop: 35168, Start Num: 24

Candidate Starts for SamScheppers_45:

(Start: 24 @35986 has 38 MA's), (Start: 25 @35983 has 34 MA's), (28, 35968), (Start: 41 @35905 has 1 MA's), (Start: 45 @35875 has 1 MA's), (50, 35854), (60, 35818), (65, 35782), (80, 35740), (83, 35728), (84, 35725), (92, 35686), (103, 35641), (107, 35626), (117, 35590), (121, 35581), (147, 35488), (167, 35434), (171, 35410), (173, 35404), (178, 35386), (196, 35320), (202, 35299),

Gene: Samty_37 Start: 33979, Stop: 33188, Start Num: 16

Candidate Starts for Samty_37:

(Start: 6 @34069 has 1 MA's), (10, 34027), (Start: 16 @33979 has 50 MA's), (20, 33961), (30, 33925), (Start: 45 @33841 has 1 MA's), (48, 33829), (61, 33778), (63, 33769), (74, 33718), (76, 33712), (103, 33601), (131, 33487), (139, 33460), (158, 33403), (189, 33289), (206, 33235), (211, 33202),

Gene: Sarshaun_39 Start: 33772, Stop: 32993, Start Num: 16

Candidate Starts for Sarshaun_39:

(Start: 16 @33772 has 50 MA's), (28, 33715), (42, 33643), (55, 33577), (60, 33562), (71, 33505), (74, 33499), (86, 33457), (151, 33217), (179, 33124), (183, 33118), (194, 33079),

Gene: Sassay_48 Start: 37859, Stop: 37086, Start Num: 19

Candidate Starts for Sassay_48:

(Start: 19 @37859 has 114 MA's), (Start: 24 @37835 has 38 MA's), (Start: 32 @37805 has 1 MA's), (52, 37697), (75, 37601), (94, 37520), (101, 37496), (103, 37487), (105, 37478), (130, 37373), (132, 37367), (133, 37361), (178, 37217), (182, 37205), (188, 37181), (212, 37094),

Gene: Schatzie_90 Start: 57977, Stop: 57270, Start Num: 25

Candidate Starts for Schatzie_90:

(Start: 25 @57977 has 34 MA's), (Start: 37 @57923 has 5 MA's), (Start: 38 @57914 has 1 MA's), (42, 57890), (58, 57818), (94, 57719), (97, 57707), (103, 57686), (126, 57596), (128, 57590), (155, 57509), (161, 57491), (170, 57452), (176, 57434), (177, 57431), (188, 57380), (193, 57368), (208, 57317),

Gene: Settecandela_39 Start: 21883, Stop: 22644, Start Num: 24

Candidate Starts for Settecandela_39:

(9, 21793), (22, 21868), (Start: 24 @21883 has 38 MA's), (33, 21922), (35, 21934), (42, 21973), (43, 21985), (44, 21991), (49, 22012), (51, 22018), (53, 22033), (71, 22108), (81, 22135), (83, 22144), (85, 22150), (99, 22216), (100, 22219), (103, 22231), (119, 22285), (122, 22297), (123, 22303), (124, 22312), (128, 22330), (138, 22366), (140, 22369), (154, 22408), (161, 22429), (162, 22432), (174, 22480), (196, 22543), (199, 22552), (200, 22555), (209, 22594), (213, 22630),

Gene: Shaboozey_88 Start: 53974, Stop: 53267, Start Num: 25

Candidate Starts for Shaboozey_88:

(Start: 25 @53974 has 34 MA's), (Start: 37 @53920 has 5 MA's), (Start: 38 @53911 has 1 MA's), (94, 53716), (97, 53704), (99, 53698), (101, 53692), (103, 53683), (115, 53641), (128, 53587), (155, 53506), (161, 53488), (170, 53449), (174, 53437), (176, 53431), (177, 53428), (186, 53386), (192, 53368), (208, 53314),

Gene: ShamWow_54 Start: 40375, Stop: 39602, Start Num: 19

Candidate Starts for ShamWow_54:

(Start: 19 @40375 has 114 MA's), (Start: 24 @40351 has 38 MA's), (Start: 32 @40321 has 1 MA's), (52, 40213), (75, 40117), (94, 40036), (101, 40012), (103, 40003), (105, 39994), (130, 39889), (132, 39883), (133, 39877), (178, 39733), (182, 39721), (188, 39697), (212, 39610),

Gene: Sheng711_36 Start: 32371, Stop: 31700, Start Num: 40

Candidate Starts for Sheng711_36:

(Start: 16 @32488 has 50 MA's), (28, 32431), (31, 32422), (40, 32371), (47, 32332), (51, 32314), (68, 32236), (71, 32221), (74, 32215), (86, 32173), (104, 32092), (116, 32050), (122, 32032), (145, 31948), (152, 31927), (178, 31837), (189, 31795), (194, 31783),

Gene: ShereKhan_52 Start: 40151, Stop: 39378, Start Num: 19

Candidate Starts for ShereKhan_52:

(Start: 19 @40151 has 114 MA's), (Start: 24 @40127 has 38 MA's), (Start: 32 @40097 has 1 MA's), (52, 39989), (75, 39893), (94, 39812), (101, 39788), (103, 39779), (105, 39770), (130, 39665), (132, 39659), (133, 39653), (178, 39509), (182, 39497), (188, 39473), (212, 39386),

Gene: Silverleaf_36 Start: 32374, Stop: 31592, Start Num: 17

Candidate Starts for Silverleaf_36:

(Start: 17 @32374 has 19 MA's), (20, 32356), (79, 32089), (86, 32062), (87, 32059), (93, 32029), (94, 32017), (100, 31996), (114, 31948), (137, 31855), (152, 31819), (178, 31729), (194, 31675),

Gene: Simpliphy_53 Start: 39456, Stop: 38683, Start Num: 19

Candidate Starts for Simpliphy_53:

(Start: 19 @39456 has 114 MA's), (Start: 24 @39432 has 38 MA's), (Start: 32 @39402 has 1 MA's), (52, 39294), (75, 39198), (94, 39117), (101, 39093), (103, 39084), (105, 39075), (130, 38970), (132, 38964), (133, 38958), (178, 38814), (182, 38802), (188, 38778), (212, 38691),

Gene: SirDuracell_53 Start: 38408, Stop: 37659, Start Num: 24

Candidate Starts for SirDuracell_53:

(Start: 19 @38432 has 114 MA's), (Start: 24 @38408 has 38 MA's), (Start: 32 @38378 has 1 MA's), (52, 38270), (75, 38174), (94, 38093), (101, 38069), (103, 38060), (105, 38051), (130, 37946), (132, 37940), (133, 37934), (178, 37790), (182, 37778), (188, 37754), (212, 37667),

Gene: Slarp_46 Start: 35595, Stop: 34777, Start Num: 24

Candidate Starts for Slarp_46:

(Start: 24 @35595 has 38 MA's), (Start: 25 @35592 has 34 MA's), (28, 35577), (Start: 41 @35514 has 1 MA's), (Start: 45 @35484 has 1 MA's), (50, 35463), (60, 35427), (65, 35391), (80, 35349), (83, 35337), (84, 35334), (92, 35295), (103, 35250), (107, 35235), (117, 35199), (121, 35190), (147, 35097), (167, 35043), (171, 35019), (173, 35013), (178, 34995), (196, 34929), (202, 34908),

Gene: Snenia_37 Start: 33979, Stop: 33188, Start Num: 16

Candidate Starts for Snenia_37:

(Start: 6 @34069 has 1 MA's), (10, 34027), (Start: 16 @33979 has 50 MA's), (20, 33961), (30, 33925), (Start: 45 @33841 has 1 MA's), (48, 33829), (61, 33778), (63, 33769), (74, 33718), (76, 33712), (103, 33601), (131, 33487), (139, 33460), (158, 33403), (189, 33289), (206, 33235), (211, 33202),

Gene: SoJulia_40 Start: 33999, Stop: 33220, Start Num: 16

Candidate Starts for SoJulia_40:

(Start: 16 @33999 has 50 MA's), (28, 33942), (42, 33870), (47, 33843), (55, 33804), (71, 33732), (74, 33726), (86, 33684), (126, 33516), (151, 33444), (179, 33351), (183, 33345), (194, 33306),

Gene: Soap141_39 Start: 33772, Stop: 32993, Start Num: 16

Candidate Starts for Soap141_39:

(Start: 16 @33772 has 50 MA's), (28, 33715), (42, 33643), (55, 33577), (60, 33562), (71, 33505), (74, 33499), (86, 33457), (151, 33217), (179, 33124), (183, 33118), (194, 33079),

Gene: SophKB_51 Start: 39131, Stop: 38358, Start Num: 19

Candidate Starts for SophKB_51:

(Start: 19 @39131 has 114 MA's), (Start: 24 @39107 has 38 MA's), (Start: 32 @39077 has 1 MA's), (52, 38969), (75, 38873), (94, 38792), (101, 38768), (103, 38759), (105, 38750), (130, 38645), (132, 38639), (133, 38633), (178, 38489), (182, 38477), (188, 38453), (212, 38366),

Gene: Sotrice96_55 Start: 39837, Stop: 39064, Start Num: 19

Candidate Starts for Sotrice96_55:

(Start: 19 @39837 has 114 MA's), (Start: 24 @39813 has 38 MA's), (Start: 32 @39783 has 1 MA's), (52, 39675), (75, 39579), (94, 39498), (101, 39474), (103, 39465), (105, 39456), (130, 39351), (132, 39345), (133, 39339), (178, 39195), (182, 39183), (188, 39159), (212, 39072),

Gene: Squint_89 Start: 54262, Stop: 53555, Start Num: 25

Candidate Starts for Squint_89:

(Start: 25 @54262 has 34 MA's), (Start: 37 @54208 has 5 MA's), (Start: 38 @54199 has 1 MA's), (58, 54103), (73, 54085), (94, 54004), (97, 53992), (99, 53986), (101, 53980), (103, 53971), (115, 53929), (127, 53878), (128, 53875), (155, 53794), (161, 53776), (170, 53737), (174, 53725), (176, 53719), (177, 53716), (186, 53674), (188, 53665), (192, 53656), (193, 53653), (208, 53602),

Gene: Stank_58 Start: 40389, Stop: 39616, Start Num: 19

Candidate Starts for Stank_58:

(Start: 19 @40389 has 114 MA's), (Start: 24 @40365 has 38 MA's), (Start: 32 @40335 has 1 MA's), (52, 40227), (75, 40131), (94, 40050), (101, 40026), (103, 40017), (105, 40008), (130, 39903), (132, 39897), (133, 39891), (178, 39747), (182, 39735), (188, 39711), (212, 39624),

Gene: Stark_55 Start: 39644, Stop: 38871, Start Num: 19

Candidate Starts for Stark_55:

(Start: 19 @39644 has 114 MA's), (Start: 24 @39620 has 38 MA's), (Start: 32 @39590 has 1 MA's), (52, 39482), (75, 39386), (94, 39305), (101, 39281), (103, 39272), (105, 39263), (130, 39158), (132, 39152), (133, 39146), (178, 39002), (182, 38990), (188, 38966), (212, 38879),

Gene: StellaBean_52 Start: 39699, Stop: 38926, Start Num: 19

Candidate Starts for StellaBean_52:

(Start: 19 @39699 has 114 MA's), (Start: 24 @39675 has 38 MA's), (Start: 32 @39645 has 1 MA's), (52, 39537), (75, 39441), (94, 39360), (101, 39336), (103, 39327), (105, 39318), (130, 39213), (132, 39207), (133, 39201), (178, 39057), (182, 39045), (188, 39021), (212, 38934),

Gene: Stellammi_66 Start: 38158, Stop: 37427, Start Num: 24

Candidate Starts for Stellammi_66:

(Start: 24 @38158 has 38 MA's), (46, 38044), (52, 38020), (84, 37894), (125, 37726), (186, 37519), (188, 37513),

Gene: StolenFromERC_57 Start: 39873, Stop: 39100, Start Num: 19

Candidate Starts for StolenFromERC_57:

(Start: 19 @39873 has 114 MA's), (Start: 24 @39849 has 38 MA's), (Start: 32 @39819 has 1 MA's), (52, 39711), (75, 39615), (94, 39534), (101, 39510), (103, 39501), (105, 39492), (130, 39387), (132, 39381), (133, 39375), (178, 39231), (182, 39219), (188, 39195), (212, 39108),

Gene: StormChicken_56 Start: 40515, Stop: 39766, Start Num: 24

Candidate Starts for StormChicken_56:

(Start: 19 @40539 has 114 MA's), (Start: 24 @40515 has 38 MA's), (Start: 32 @40485 has 1 MA's), (52, 40377), (75, 40281), (94, 40200), (101, 40176), (103, 40167), (105, 40158), (130, 40053), (132, 40047), (133, 40041), (178, 39897), (182, 39885), (188, 39861), (212, 39774),

Gene: Superphikiman_88 Start: 53290, Stop: 52646, Start Num: 38

Candidate Starts for Superphikiman_88:

(Start: 25 @53353 has 34 MA's), (Start: 37 @53299 has 5 MA's), (Start: 38 @53290 has 1 MA's), (58, 53194), (73, 53176), (94, 53095), (97, 53083), (99, 53077), (101, 53071), (103, 53062), (115, 53020), (127, 52969), (128, 52966), (155, 52885), (161, 52867), (170, 52828), (174, 52816), (176, 52810), (177, 52807), (186, 52765), (188, 52756), (192, 52747), (193, 52744), (208, 52693),

Gene: TBrady12_57 Start: 39849, Stop: 39100, Start Num: 24

Candidate Starts for TBrady12_57:

(Start: 19 @39873 has 114 MA's), (Start: 24 @39849 has 38 MA's), (Start: 32 @39819 has 1 MA's), (52, 39711), (75, 39615), (94, 39534), (101, 39510), (103, 39501), (105, 39492), (130, 39387), (132, 39381), (133, 39375), (178, 39231), (182, 39219), (188, 39195), (212, 39108),

Gene: Taquito_46 Start: 35901, Stop: 35164, Start Num: 41

Candidate Starts for Taquito_46:

(Start: 41 @35901 has 1 MA's), (Start: 45 @35871 has 1 MA's), (50, 35850), (60, 35814), (65, 35778), (80, 35736), (83, 35724), (84, 35721), (92, 35682), (103, 35637), (107, 35622), (117, 35586), (121, 35577), (147, 35484), (167, 35430), (171, 35406), (173, 35400), (178, 35382), (196, 35316), (202, 35295),

Gene: Tarkin_53 Start: 40121, Stop: 39348, Start Num: 19

Candidate Starts for Tarkin_53:

(Start: 19 @40121 has 114 MA's), (Start: 24 @40097 has 38 MA's), (Start: 32 @40067 has 1 MA's), (52, 39959), (75, 39863), (94, 39782), (101, 39758), (103, 39749), (105, 39740), (130, 39635), (132, 39629), (133, 39623), (178, 39479), (182, 39467), (188, 39443), (212, 39356),

Gene: TeamEdward_56 Start: 40374, Stop: 39763, Start Num: 52

Candidate Starts for TeamEdward_56:

(Start: 19 @40536 has 114 MA's), (Start: 24 @40512 has 38 MA's), (Start: 32 @40482 has 1 MA's), (52, 40374), (75, 40278), (94, 40197), (101, 40173), (103, 40164), (105, 40155), (130, 40050), (132, 40044), (133, 40038), (178, 39894), (182, 39882), (188, 39858), (212, 39771),

Gene: TeardropMSU_50 Start: 39121, Stop: 38348, Start Num: 19

Candidate Starts for TeardropMSU_50:

(Start: 19 @39121 has 114 MA's), (Start: 24 @39097 has 38 MA's), (Start: 32 @39067 has 1 MA's), (52, 38959), (75, 38863), (94, 38782), (101, 38758), (103, 38749), (105, 38740), (130, 38635), (132, 38629), (133, 38623), (178, 38479), (182, 38467), (188, 38443), (212, 38356),

Gene: Teaspoon_55 Start: 39991, Stop: 39242, Start Num: 24

Candidate Starts for Teaspoon_55:

(Start: 19 @40015 has 114 MA's), (Start: 24 @39991 has 38 MA's), (Start: 32 @39961 has 1 MA's), (52, 39853), (75, 39757), (94, 39676), (101, 39652), (103, 39643), (105, 39634), (130, 39529), (132, 39523), (133, 39517), (178, 39373), (182, 39361), (188, 39337), (212, 39250),

Gene: Terminus_56 Start: 40612, Stop: 39839, Start Num: 19

Candidate Starts for Terminus_56:

(Start: 19 @40612 has 114 MA's), (Start: 24 @40588 has 38 MA's), (Start: 32 @40558 has 1 MA's), (52, 40450), (75, 40354), (94, 40273), (101, 40249), (103, 40240), (105, 40231), (130, 40126), (132, 40120), (133, 40114), (178, 39970), (182, 39958), (188, 39934), (212, 39847),

Gene: Thibault_80 Start: 53886, Stop: 53179, Start Num: 25

Candidate Starts for Thibault_80:

(Start: 25 @53886 has 34 MA's), (Start: 37 @53832 has 5 MA's), (Start: 38 @53823 has 1 MA's), (42, 53799), (58, 53727), (94, 53628), (97, 53616), (103, 53595), (126, 53505), (128, 53499), (150, 53433),

(155, 53418), (161, 53400), (170, 53361), (176, 53343), (177, 53340), (188, 53289), (193, 53277), (208, 53226),

Gene: Thimble_56 Start: 39055, Stop: 38282, Start Num: 19

Candidate Starts for Thimble_56:

(Start: 19 @39055 has 114 MA's), (Start: 24 @39031 has 38 MA's), (Start: 32 @39001 has 1 MA's), (52, 38893), (75, 38797), (94, 38716), (101, 38692), (103, 38683), (105, 38674), (130, 38569), (132, 38563), (133, 38557), (178, 38413), (182, 38401), (188, 38377), (212, 38290),

Gene: ThreeRngTarjay_92 Start: 59262, Stop: 58555, Start Num: 25

Candidate Starts for ThreeRngTarjay_92:

(Start: 25 @59262 has 34 MA's), (Start: 37 @59208 has 5 MA's), (Start: 38 @59199 has 1 MA's), (42, 59175), (58, 59103), (94, 59004), (97, 58992), (103, 58971), (126, 58881), (128, 58875), (155, 58794), (161, 58776), (170, 58737), (176, 58719), (177, 58716), (188, 58665), (193, 58653), (208, 58602),

Gene: Thresher_57 Start: 40998, Stop: 40225, Start Num: 19

Candidate Starts for Thresher_57:

(Start: 19 @40998 has 114 MA's), (Start: 24 @40974 has 38 MA's), (Start: 32 @40944 has 1 MA's), (52, 40836), (75, 40740), (94, 40659), (101, 40635), (103, 40626), (105, 40617), (130, 40512), (132, 40506), (133, 40500), (178, 40356), (182, 40344), (188, 40320), (212, 40233),

Gene: Tomaszewski_50 Start: 38994, Stop: 38221, Start Num: 19

Candidate Starts for Tomaszewski_50:

(Start: 19 @38994 has 114 MA's), (Start: 24 @38970 has 38 MA's), (Start: 32 @38940 has 1 MA's), (52, 38832), (75, 38736), (94, 38655), (101, 38631), (103, 38622), (105, 38613), (130, 38508), (132, 38502), (133, 38496), (178, 38352), (182, 38340), (188, 38316), (212, 38229),

Gene: Toto_53 Start: 40351, Stop: 39602, Start Num: 24

Candidate Starts for Toto_53:

(Start: 19 @40375 has 114 MA's), (Start: 24 @40351 has 38 MA's), (Start: 32 @40321 has 1 MA's), (52, 40213), (75, 40117), (94, 40036), (101, 40012), (103, 40003), (105, 39994), (130, 39889), (132, 39883), (133, 39877), (178, 39733), (182, 39721), (188, 39697), (212, 39610),

Gene: Tourach_39 Start: 33734, Stop: 32955, Start Num: 16

Candidate Starts for Tourach_39:

(Start: 16 @33734 has 50 MA's), (28, 33677), (47, 33578), (55, 33539), (71, 33467), (74, 33461), (86, 33419), (99, 33356), (121, 33284), (126, 33251), (179, 33086), (194, 33041),

Gene: Traaww1_50 Start: 39556, Stop: 38783, Start Num: 19

Candidate Starts for Traaww1_50:

(Start: 19 @39556 has 114 MA's), (Start: 24 @39532 has 38 MA's), (Start: 32 @39502 has 1 MA's), (52, 39394), (75, 39298), (94, 39217), (101, 39193), (103, 39184), (105, 39175), (130, 39070), (132, 39064), (133, 39058), (178, 38914), (182, 38902), (188, 38878), (212, 38791),

Gene: TriFive_37 Start: 33978, Stop: 33187, Start Num: 16

Candidate Starts for TriFive_37:

(Start: 6 @34068 has 1 MA's), (10, 34026), (Start: 16 @33978 has 50 MA's), (20, 33960), (30, 33924), (Start: 45 @33840 has 1 MA's), (48, 33828), (61, 33777), (63, 33768), (74, 33717), (76, 33711), (103, 33600), (131, 33486), (139, 33459), (158, 33402), (189, 33288), (206, 33234), (211, 33201),

Gene: Tuco_55 Start: 40883, Stop: 40110, Start Num: 19

Candidate Starts for Tuco_55:

(Start: 19 @40883 has 114 MA's), (Start: 24 @40859 has 38 MA's), (Start: 32 @40829 has 1 MA's), (52, 40721), (75, 40625), (94, 40544), (101, 40520), (103, 40511), (105, 40502), (130, 40397), (132, 40391), (133, 40385), (178, 40241), (182, 40229), (188, 40205), (212, 40118),

Gene: Tyson_36 Start: 32375, Stop: 31593, Start Num: 17

Candidate Starts for Tyson_36:

(Start: 17 @32375 has 19 MA's), (20, 32357), (79, 32090), (86, 32063), (87, 32060), (93, 32030), (94, 32018), (100, 31997), (114, 31949), (137, 31856), (152, 31820), (178, 31730), (194, 31676),

Gene: UPIE_37 Start: 32373, Stop: 31591, Start Num: 17

Candidate Starts for UPIE_37:

(Start: 17 @32373 has 19 MA's), (20, 32355), (79, 32088), (86, 32061), (87, 32058), (93, 32028), (94, 32016), (100, 31995), (114, 31947), (137, 31854), (152, 31818), (178, 31728), (194, 31674),

Gene: Ukulele_51 Start: 39269, Stop: 38496, Start Num: 19

Candidate Starts for Ukulele_51:

(Start: 19 @39269 has 114 MA's), (Start: 24 @39245 has 38 MA's), (Start: 32 @39215 has 1 MA's), (52, 39107), (75, 39011), (94, 38930), (101, 38906), (103, 38897), (105, 38888), (130, 38783), (132, 38777), (133, 38771), (178, 38627), (182, 38615), (188, 38591), (212, 38504),

Gene: Underpass_39 Start: 33740, Stop: 32961, Start Num: 16

Candidate Starts for Underpass_39:

(Start: 16 @33740 has 50 MA's), (28, 33683), (42, 33611), (55, 33545), (71, 33473), (74, 33467), (86, 33425), (151, 33185), (179, 33092), (183, 33086), (194, 33047),

Gene: Vetrix_39 Start: 33745, Stop: 32966, Start Num: 16

Candidate Starts for Vetrix_39:

(Start: 16 @33745 has 50 MA's), (28, 33688), (42, 33616), (47, 33589), (55, 33550), (71, 33478), (74, 33472), (86, 33430), (151, 33190), (175, 33118), (179, 33097), (183, 33091), (194, 33052),

Gene: Wamburgxpress_37 Start: 32388, Stop: 31606, Start Num: 17

Candidate Starts for Wamburgxpress_37:

(Start: 17 @32388 has 19 MA's), (20, 32370), (79, 32103), (86, 32076), (87, 32073), (93, 32043), (94, 32031), (100, 32010), (114, 31962), (137, 31869), (152, 31833), (178, 31743), (194, 31689),

Gene: Wanda_99 Start: 58379, Stop: 57672, Start Num: 25

Candidate Starts for Wanda_99:

(Start: 25 @58379 has 34 MA's), (Start: 37 @58325 has 5 MA's), (Start: 38 @58316 has 1 MA's), (58, 58220), (94, 58121), (97, 58109), (103, 58088), (126, 57998), (128, 57992), (155, 57911), (161, 57893), (170, 57854), (176, 57836), (177, 57833), (188, 57782), (193, 57770), (208, 57719),

Gene: Whirlwind_38 Start: 33757, Stop: 32933, Start Num: 11

Candidate Starts for Whirlwind_38:

(Start: 11 @33757 has 1 MA's), (12, 33748), (13, 33730), (Start: 16 @33724 has 50 MA's), (30, 33670), (51, 33562), (53, 33547), (57, 33535), (61, 33523), (63, 33514), (74, 33463), (76, 33457), (90, 33400), (158, 33148), (189, 33034), (206, 32980),

Gene: Wiggin_56 Start: 39957, Stop: 39184, Start Num: 19

Candidate Starts for Wiggin_56:

(Start: 19 @39957 has 114 MA's), (Start: 24 @39933 has 38 MA's), (Start: 32 @39903 has 1 MA's), (52, 39795), (75, 39699), (94, 39618), (101, 39594), (103, 39585), (105, 39576), (130, 39471), (132, 39465), (133, 39459), (178, 39315), (182, 39303), (188, 39279), (212, 39192),

Gene: Wigglewiggle_39 Start: 33771, Stop: 32992, Start Num: 16

Candidate Starts for Wigglewiggle_39:

(Start: 16 @33771 has 50 MA's), (28, 33714), (42, 33642), (55, 33576), (60, 33561), (71, 33504), (74, 33498), (86, 33456), (151, 33216), (179, 33123), (183, 33117), (194, 33078),

Gene: Wilder_39 Start: 33744, Stop: 32965, Start Num: 16

Candidate Starts for Wilder_39:

(Start: 16 @33744 has 50 MA's), (28, 33687), (42, 33615), (55, 33549), (60, 33534), (71, 33477), (74, 33471), (86, 33429), (151, 33189), (179, 33096), (183, 33090), (194, 33051),

Gene: Willez_48 Start: 37859, Stop: 37086, Start Num: 19

Candidate Starts for Willez_48:

(Start: 19 @37859 has 114 MA's), (Start: 24 @37835 has 38 MA's), (Start: 32 @37805 has 1 MA's), (52, 37697), (75, 37601), (94, 37520), (101, 37496), (103, 37487), (105, 37478), (130, 37373), (132, 37367), (133, 37361), (178, 37217), (182, 37205), (188, 37181), (212, 37094),

Gene: Winky_39 Start: 33739, Stop: 32960, Start Num: 16

Candidate Starts for Winky_39:

(Start: 16 @33739 has 50 MA's), (28, 33682), (42, 33610), (47, 33583), (55, 33544), (71, 33472), (74, 33466), (86, 33424), (126, 33256), (151, 33184), (179, 33091), (183, 33085), (194, 33046),

Gene: Wintermute_46 Start: 35744, Stop: 34926, Start Num: 24

Candidate Starts for Wintermute_46:

(Start: 24 @35744 has 38 MA's), (Start: 25 @35741 has 34 MA's), (28, 35726), (Start: 41 @35663 has 1 MA's), (Start: 45 @35633 has 1 MA's), (50, 35612), (60, 35576), (65, 35540), (80, 35498), (83, 35486), (84, 35483), (92, 35444), (103, 35399), (107, 35384), (117, 35348), (121, 35339), (147, 35246), (167, 35192), (171, 35168), (173, 35162), (178, 35144), (196, 35078), (202, 35057),

Gene: Wyatt2_37 Start: 32374, Stop: 31592, Start Num: 17

Candidate Starts for Wyatt2_37:

(Start: 17 @32374 has 19 MA's), (20, 32356), (79, 32089), (86, 32062), (87, 32059), (93, 32029), (94, 32017), (100, 31996), (114, 31948), (137, 31855), (152, 31819), (178, 31729), (194, 31675),

Gene: Xandras_54 Start: 39368, Stop: 38595, Start Num: 19

Candidate Starts for Xandras_54:

(Start: 19 @39368 has 114 MA's), (Start: 24 @39344 has 38 MA's), (Start: 32 @39314 has 1 MA's), (52, 39206), (75, 39110), (94, 39029), (101, 39005), (103, 38996), (105, 38987), (130, 38882), (132, 38876), (133, 38870), (178, 38726), (182, 38714), (188, 38690), (212, 38603),

Gene: Xiaokay_85 Start: 55067, Stop: 54423, Start Num: 38

Candidate Starts for Xiaokay_85:

(Start: 25 @55130 has 34 MA's), (Start: 37 @55076 has 5 MA's), (Start: 38 @55067 has 1 MA's), (58, 54971), (94, 54872), (97, 54860), (103, 54839), (126, 54749), (128, 54743), (155, 54662), (161, 54644), (170, 54605), (176, 54587), (177, 54584), (188, 54533), (193, 54521), (208, 54470),

Gene: Y10_45 Start: 35662, Stop: 34841, Start Num: 24

Candidate Starts for Y10_45:

(Start: 24 @35662 has 38 MA's), (Start: 25 @35659 has 34 MA's), (28, 35644), (Start: 45 @35551 has 1 MA's), (50, 35530), (65, 35458), (80, 35416), (83, 35404), (84, 35401), (86, 35392), (92, 35362), (107, 35302), (117, 35266), (121, 35257), (147, 35164), (167, 35110), (171, 35086), (173, 35080), (177, 35068), (196, 34996), (202, 34975),

Gene: Y2_45 Start: 35662, Stop: 34841, Start Num: 24

Candidate Starts for Y2_45:

(Start: 24 @35662 has 38 MA's), (Start: 25 @35659 has 34 MA's), (28, 35644), (Start: 45 @35551 has 1 MA's), (50, 35530), (65, 35458), (80, 35416), (83, 35404), (84, 35401), (86, 35392), (92, 35362), (107, 35302), (117, 35266), (121, 35257), (147, 35164), (167, 35110), (171, 35086), (173, 35080), (177, 35068), (196, 34996), (202, 34975),

Gene: YasnayaPolyana_46 Start: 35482, Stop: 34775, Start Num: 45

Candidate Starts for YasnayaPolyana_46:

(Start: 24 @35593 has 38 MA's), (Start: 25 @35590 has 34 MA's), (28, 35575), (Start: 41 @35512 has 1 MA's), (Start: 45 @35482 has 1 MA's), (50, 35461), (60, 35425), (65, 35389), (80, 35347), (83, 35335), (84, 35332), (92, 35293), (103, 35248), (107, 35233), (117, 35197), (121, 35188), (147, 35095), (167, 35041), (171, 35017), (173, 35011), (178, 34993), (196, 34927), (202, 34906),

Gene: YassJohnny_50 Start: 39010, Stop: 38261, Start Num: 24

Candidate Starts for YassJohnny_50:

(Start: 19 @39034 has 114 MA's), (Start: 24 @39010 has 38 MA's), (Start: 32 @38980 has 1 MA's), (52, 38872), (75, 38776), (94, 38695), (101, 38671), (103, 38662), (105, 38653), (130, 38548), (132, 38542), (133, 38536), (178, 38392), (182, 38380), (188, 38356), (212, 38269),

Gene: Yeet_88 Start: 57479, Stop: 56772, Start Num: 25

Candidate Starts for Yeet_88:

(Start: 25 @57479 has 34 MA's), (Start: 37 @57425 has 5 MA's), (Start: 38 @57416 has 1 MA's), (42, 57392), (58, 57320), (94, 57221), (97, 57209), (103, 57188), (126, 57098), (128, 57092), (155, 57011), (161, 56993), (170, 56954), (176, 56936), (177, 56933), (188, 56882), (193, 56870), (208, 56819),

Gene: Youngblood_56 Start: 40542, Stop: 39769, Start Num: 19

Candidate Starts for Youngblood_56:

(Start: 19 @40542 has 114 MA's), (Start: 24 @40518 has 38 MA's), (Start: 32 @40488 has 1 MA's), (52, 40380), (75, 40284), (94, 40203), (101, 40179), (103, 40170), (105, 40161), (130, 40056), (132, 40050), (133, 40044), (178, 39900), (182, 39888), (188, 39864), (212, 39777),

Gene: Zakai_39 Start: 33996, Stop: 33217, Start Num: 16

Candidate Starts for Zakai_39:

(Start: 16 @33996 has 50 MA's), (28, 33939), (42, 33867), (55, 33801), (60, 33786), (71, 33729), (74, 33723), (86, 33681), (151, 33441), (179, 33348), (183, 33342), (194, 33303),

Gene: Zaria_37 Start: 32389, Stop: 31607, Start Num: 17

Candidate Starts for Zaria_37:

(Start: 17 @32389 has 19 MA's), (20, 32371), (79, 32104), (86, 32077), (87, 32074), (93, 32044), (94, 32032), (100, 32011), (114, 31963), (137, 31870), (152, 31834), (178, 31744), (194, 31690),

Gene: Zelink_92 Start: 59519, Stop: 58866, Start Num: 37

Candidate Starts for Zelink_92:

(Start: 25 @59573 has 34 MA's), (Start: 37 @59519 has 5 MA's), (Start: 38 @59510 has 1 MA's), (58, 59414), (94, 59315), (97, 59303), (103, 59282), (126, 59192), (128, 59186), (155, 59105), (161, 59087), (170, 59048), (176, 59030), (177, 59027), (188, 58976), (193, 58964), (208, 58913),

Gene: ZhongYanYuan_38 Start: 33577, Stop: 32798, Start Num: 16

Candidate Starts for ZhongYanYuan_38:

(Start: 16 @33577 has 50 MA's), (28, 33520), (47, 33421), (52, 33400), (55, 33382), (71, 33310), (74, 33304), (86, 33262), (96, 33211), (99, 33199), (101, 33193), (103, 33184), (128, 33088), (170, 32965), (173, 32956),

Gene: xkcd_58 Start: 40732, Stop: 39959, Start Num: 19

Candidate Starts for xkcd_58:

(Start: 19 @40732 has 114 MA's), (Start: 24 @40708 has 38 MA's), (Start: 32 @40678 has 1 MA's),
(52, 40570), (75, 40474), (94, 40393), (101, 40369), (103, 40360), (105, 40351), (130, 40246), (132,
40240), (133, 40234), (178, 40090), (182, 40078), (188, 40054), (212, 39967),