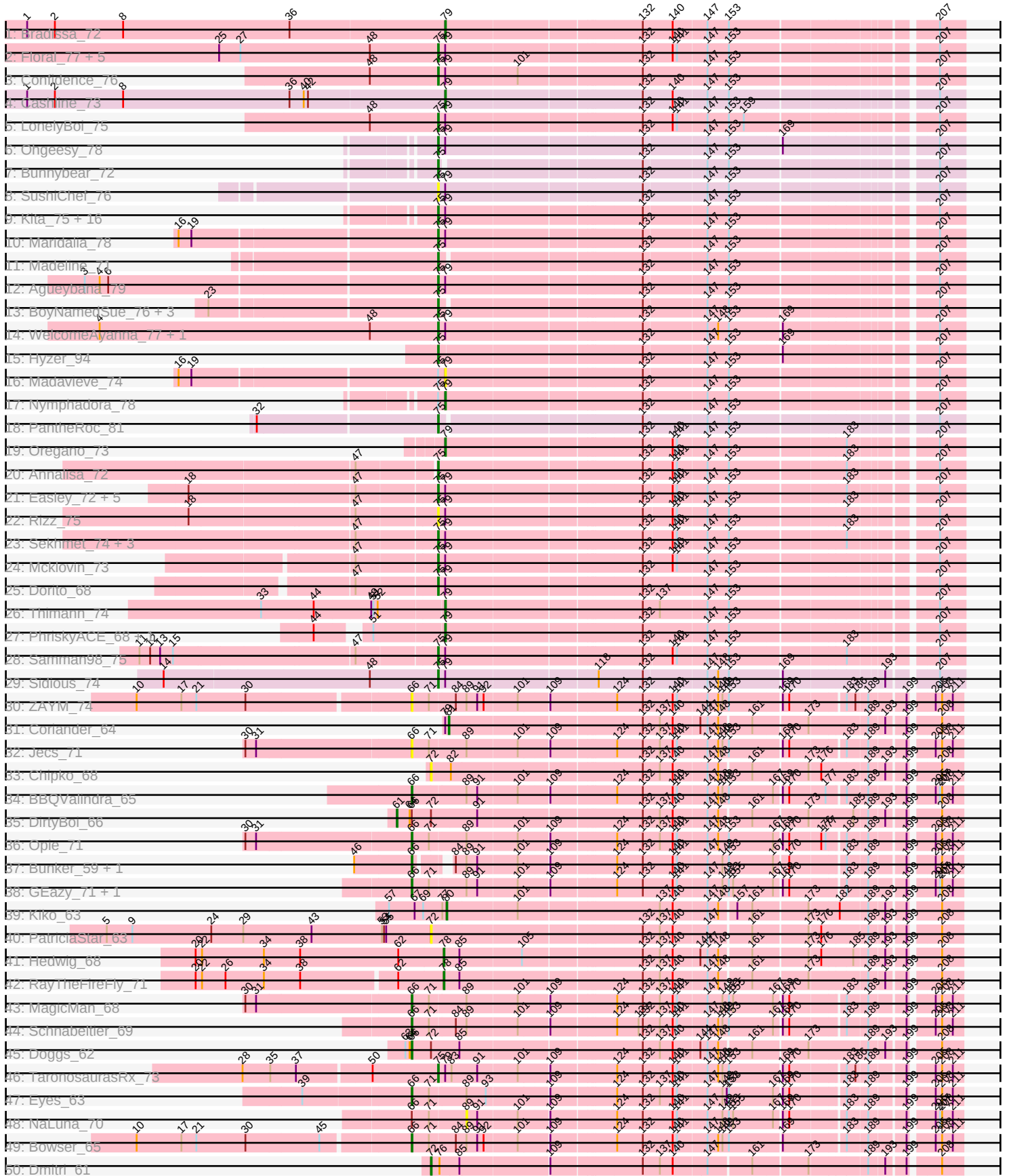
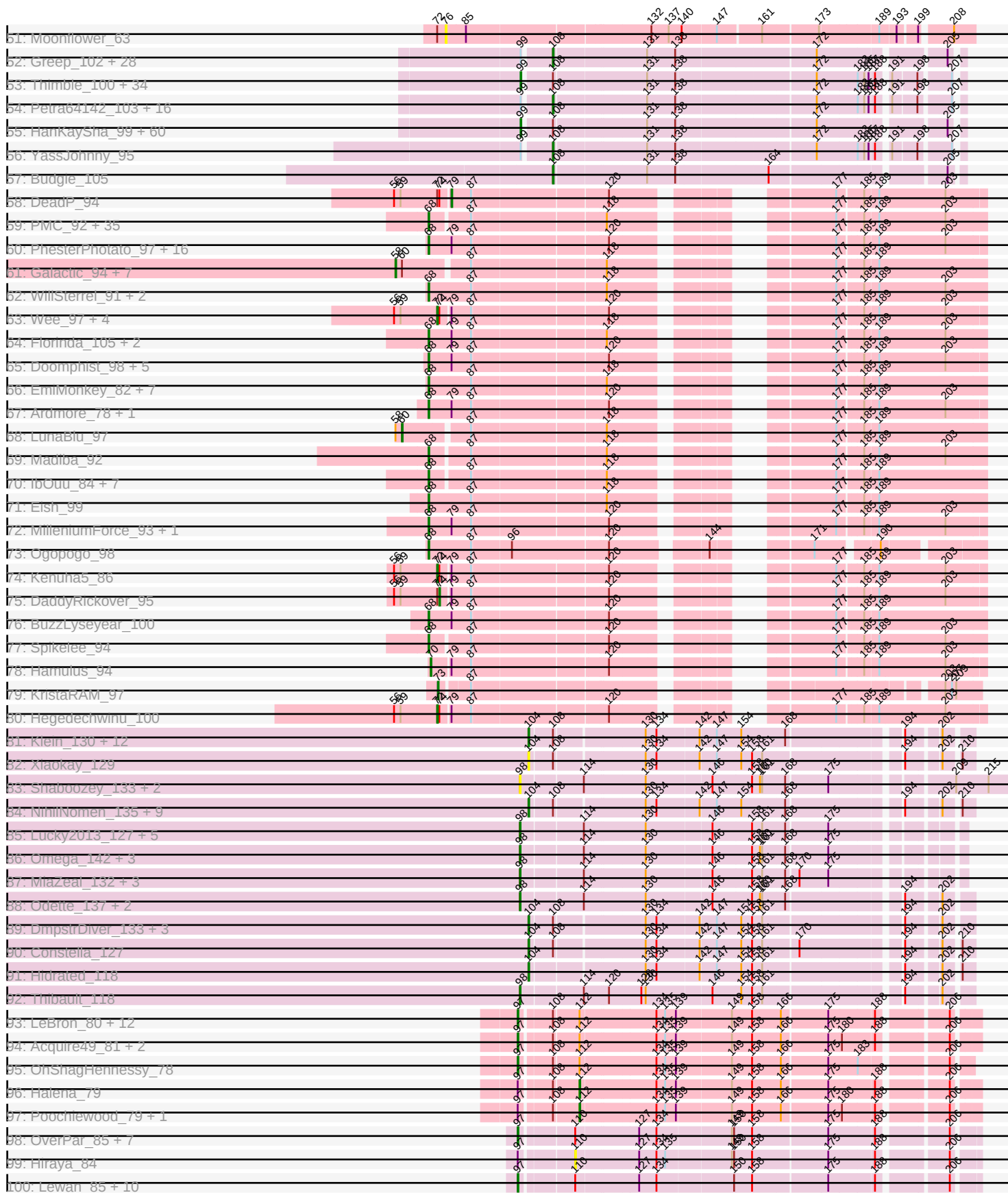
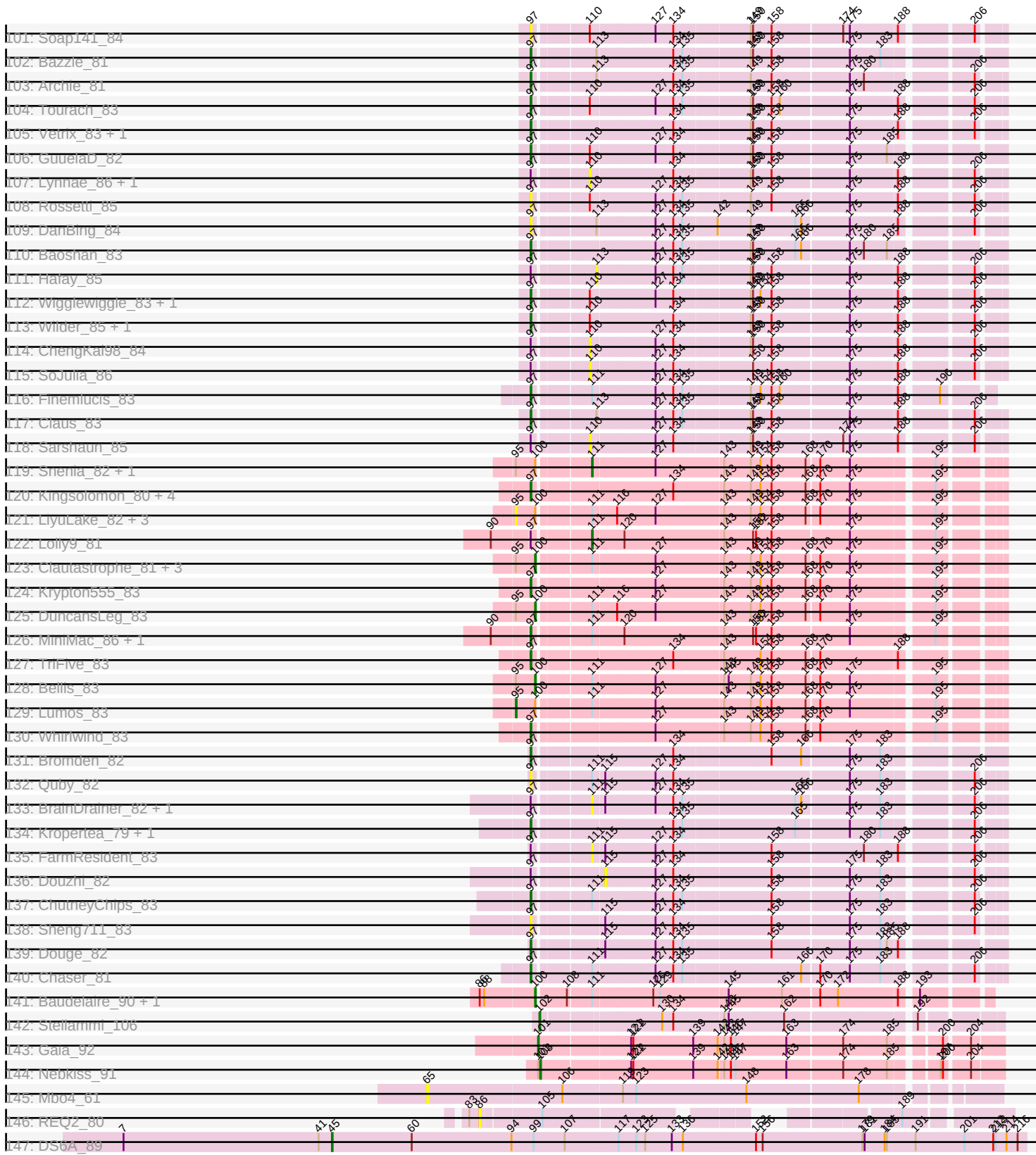


Pham 330320



Pham 330320





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 330320 Report

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

Pham number 330320 has 498 members, 65 are drafts.

Phages represented in each track:

- Track 1 : Bradissa_72
- Track 2 : Floral_77, EMSquaredA_76, Pollux_79, EnalisNailo_72, Marteena_75, Lilas_73
- Track 3 : Confidence_76
- Track 4 : Cashline_73
- Track 5 : LonelyBoi_75
- Track 6 : Ohgeesy_78
- Track 7 : Bunnybear_72
- Track 8 : SushiChef_76
- Track 9 : Kita_75, Hugley_76, Dillpickles_79, Neobush_76, Herod_78, BatStarr_77, Manasvini_76, Bosnia_76, TimTam_78, Zameen_74, Antonio_73, Suscepit_74, Trumpet_74, Eudoria_74, Tayonia_74, Eviarto_78, Polly_71
- Track 10 : Maridalia_78
- Track 11 : Madeline_71
- Track 12 : Agueybana_79
- Track 13 : BoyNamedSue_76, AlumE_76, Zirinka_73, Bialota_73
- Track 14 : WelcomeAyanna_77, ThankyouJordi_77
- Track 15 : Hyzer_94
- Track 16 : Madavieve_74
- Track 17 : Nymphadora_78
- Track 18 : PantheRoc_81
- Track 19 : Oregano_73
- Track 20 : Annalisa_72
- Track 21 : Easley_72, Invectra_77, Beenie_68, Tuti_68, Clark_73, MichaelScott_75
- Track 22 : Rizz_75
- Track 23 : Sekhmet_74, Dolores_75, WinkNick_75, Suerte_68
- Track 24 : Mcklovin_73
- Track 25 : Dorito_68
- Track 26 : Thimann_74
- Track 27 : PhriskyACE_68, Powerball_70
- Track 28 : Samman98_75
- Track 29 : Sidious_74
- Track 30 : ZAYM_74
- Track 31 : Coriander_64
- Track 32 : Jecs_71
- Track 33 : Chipko_68
- Track 34 : BBQValindra_65

- Track 35 : DirtyBoi_66
- Track 36 : Opie_71
- Track 37 : Bunker_59, BackstagePass_66
- Track 38 : GEazy_71, HannahD_68
- Track 39 : Kiko_63
- Track 40 : PatriciaStar_63
- Track 41 : Hedwig_68
- Track 42 : RayTheFireFly_71
- Track 43 : MagicMan_68
- Track 44 : Schnabeltier_69
- Track 45 : Doggs_62
- Track 46 : TaronosaurusRx_73
- Track 47 : Eyes_63
- Track 48 : NaLuna_70
- Track 49 : Bowser_65
- Track 50 : Dmitri_61
- Track 51 : Moonflower_63
- Track 52 : Greep_102, Lilpickle_97, Cjw1_98, ChosenOne_98, Hoonter_101, FireRed_101, Paperbeatsrock_97, PaddyBaddy_98, OrionPax_97, Porky_97, Nala_100, Emmina_98, Goldilocks_101, HufflyPuff_100, Murica_101, ABCat_95, Lilac_100, Goku_97, Dusk_95, Elph10_98, BugsBunny_97, PhatBacter_101, StellaBean_96, Mosby_94, Elite2014_97, Sassay_93, Stark_99, Bogg_98, Willez_93
- Track 53 : Thimble_100, BigBubba_98, StolenFromERC_101, DoctorDiddles_97, Gemini_103, Xandras_97, JeTaime_98, Harella_98, Adnama_102, Stank_100, Pumpkin_101, NelitzaMV_96, Bask21_98, NonchalantPear_98, Kimchi_102, Traaww1_94, Glexan_97, TBrady12_101, StormChicken_100, Marshmallow_95, 244_99, AmericanBeauty_102, Myrale_98, Nimrod_98, Phaja_96, Argent26_102, Holt_103, MollyToe_93, Barbarian_97, IHOP_96, Icee_99, Czystczon1_99, Wiggin_100, xkcd_101, Brewer_94
- Track 54 : Petra64142_103, Inca_95, GooberAzure_101, Balomoji_98, Easy2Say_98, GoldenSpark_102, FoghornLeghorn_92, Flypotenuse_94, Becksu_97, Gator_96, Rakim_99, Gage_100, Daikon_99, Asriel_96, Kostya_98, Command613_100, Youngblood_101
- Track 55 : HanKaySha_99, Manda_100, Highbury_96, CrystalP_97, Moldemort_101, Thresher_100, ShamWow_98, Cactus_101, Buck_99, Henry_95, Simpliphy_97, BilboSwaggins_96, MadamMonkfish_98, NoSleep_99, TeamEdward_98, Filch_100, Tarkin_97, ShereKhan_96, Hopey_99, Dumbo_98, Quallification_99, FairyPath_99, Lilizi_99, Phaux_100, Tomaszewski_93, Eureka_97, Rimmer_96, BaboJay_98, Sotrice96_99, SirDuracell_98, TeardropMSU_94, Murphy_98, Policronamos_100, Contagion_94, Amao_98, MISSy_99, Phrux_95, Bruin_95, Ukulele_93, Misfit_99, Teaspoon_99, Maxxinista_100, Cookies_95, Terminus_101, BadStone_95, Saints25_96, DrDrey_98, Toto_96, Bench_101, Miniwave_93, Pat3_95, MPhalcon_99, Pharsalus_95, Tuco_99, SophKB_95, Mindy_97, Liveloughbron_99, Palpatine_99, RiverMonster_98, Kanye_95, ChotaBhai_98
- Track 56 : YassJohnny_95
- Track 57 : Budgie_105
- Track 58 : DeadP_94
- Track 59 : PMC_92, Boomer_96, Ramsey_98, Enby_97, Sassafras_95, GigiOuiOui_88, RitaG_92, UncleRicky_93, Leperchaun_95, Nimbo_85, GUmble_92, Geralt_86, BodEinwohner17_103, MulchExplorer_93, Juice456_92, DirtMcGirt_94, Lucia_93, DaWorst_93, Fastidio_97, Rockne_96, PHappiness_93, DotProduct_87, Drago_92, Inventum_91, Dorothy_94, Lorde_96, Deb65_86, RockyHorror_97,

RedBird_94, JoeyJr_96, Kimberlium_95, OldBen_90, Cornucopia_93, Daenerys_91, Stap_88, QuickMath_94

- Track 60 : PhesterPhotato_97, Medindi_98, DLane_93, Starceвич_95, LittleShirley_101, Peridot_96, IMpilo_91, Slim_96, Phatniss_91, Emma_98, Tweety_94, Emmaloid_96, Ms6_95, Phalconet_94, Jant_99, Moonbeam_96, StAnnes_97

- Track 61 : Galactic_94, Juniper1_87, SeaLumen_99, Polo2Bam_102, Enzomatic_103, Mahavrat_89, Grimmer_99, NewHope4_98

- Track 62 : WillSterrel_91, VRedHorse_94, IrishSherpFalk_93

- Track 63 : Wee_97, Taj_100, Filuzino_93, Fruitloop_91, XFactor_84

- Track 64 : Florinda_105, Girafales_102, Quico_102

- Track 65 : Doomphist_98, Polka14_97, KingMidas_93, Poenanya_97, Scottish_93, Empress_93

- Track 66 : EmiMonkey_82, PhlipPhlop_83, Royals2015_96, Vivum_91, CaptainTrips_95, Estave1_101, DoRead_95, SimranZ1_89

- Track 67 : Ardmore_78, Seagreen_94

- Track 68 : LunaBlu_97

- Track 69 : Madiba_92

- Track 70 : IbOuu_84, Ovechkin_97, Hades_90, Ibhubesi_91, Byougenkin_91, Wachhund_91, Harley_96, Violac_95

- Track 71 : Eish_99

- Track 72 : MilleniumForce_93, Squirty_93

- Track 73 : Ogopogo_98

- Track 74 : Kenuha5_86

- Track 75 : DaddyRickover_95

- Track 76 : BuzzLyseyear_100

- Track 77 : Spikelee_94

- Track 78 : Hamulus_94

- Track 79 : KristaRAM_97

- Track 80 : Hegedechwinu_100

- Track 81 : Klein_130, Wanda_132, BAKA_133, Zelink_128, Hughesyang_133, Redno2_125, Minerva_132, ThreeRngTarjay_129, Bagrid_134, Dove_119, Phoebus_134, EricMillard_125, Duke13_128

- Track 82 : Xiaokay_129

- Track 83 : Shaboozey_133, BronnyJames_130, Nibley_129

- Track 84 : NihilNomen_135, Kalah2_124, Beem_135, Pound_122, Halley_135, Ejimix_127, Bombitas_121, JuicyJay_130, Dallas_134, Optimus_124

- Track 85 : Lucky2013_127, Rearden_131, Gonephishing_127, Ariel_132, Squint_130, Porcelain_130

- Track 86 : Omega_142, Superphikiman_130, Hannaconda_126, Courthouse_128

- Track 87 : MiaZeal_132, LittleE_135, KashFlow_130, Nekros_135

- Track 88 : Odette_137, HokkenD_125, Yeet_127

- Track 89 : DmpstrDiver_133, Schatzie_129, Bobby_125, Marleymoo_118

- Track 90 : Constella_127

- Track 91 : Hidrated_118

- Track 92 : Thibault_118

- Track 93 : LeBron_80, Rose5_82, Enceladus_78, AvadaKedavra_81, Silverleaf_81, DirkDirk_78, MAckerman_80, Appletree2_80, Tyson_82, JoeDirt_82, Wyatt2_82, UPIE_80, Wamburggrxpress_81

- Track 94 : Acquire49_81, Zaria_82, CicholasNage_78

- Track 95 : OhShagHennessey_78

- Track 96 : Halena_79

- Track 97 : Poochiewood_79, Calm_83

- Track 98 : OverPar_85, Rumpelstiltskin_81, Crossroads_84, Underpass_76, Gardann_84, Loadrie_82, Nicholasp3_84, Zakai_85
- Track 99 : Hiraya_84
- Track 100 : Lewan_85, Itos_84, Gabriela_84, Breezona_84, Winky_84, Miley16_84, Netyap_85, BobsGarage_84, Faith1_84, DrSeegs_84, BigCheese_84
- Track 101 : Soap141_84
- Track 102 : Bazzle_81
- Track 103 : Archie_81
- Track 104 : Tourach_83
- Track 105 : Vetrix_83, LilDestine_83
- Track 106 : GuuelaD_82
- Track 107 : Lynnae_86, Molivier_76
- Track 108 : Rossetti_85
- Track 109 : DanBing_84
- Track 110 : Baoshan_83
- Track 111 : Hafay_85
- Track 112 : Wigglewiggles_83, MkaliMitinis3_85
- Track 113 : Wilder_85, Kahlid_84
- Track 114 : ChengKai98_84
- Track 115 : SoJulia_86
- Track 116 : Finemlucis_83
- Track 117 : Claus_83
- Track 118 : Sarshaun_85
- Track 119 : Snenia_82, Red305_84
- Track 120 : Kingsolomon_80, Finnry_82, Moostard_80, Nicholas_80, Samty_81
- Track 121 : LiyuLake_82, KirDoubleO7_81, BourbonZero_84, Ellison_82
- Track 122 : Lolly9_81
- Track 123 : Clautastrophe_81, Jubie_82, Jobypre_83, MsGreen_83
- Track 124 : Krypton555_83
- Track 125 : DuncansLeg_83
- Track 126 : MiniMac_86, MiniLon_86
- Track 127 : TriFive_83
- Track 128 : Bellis_83
- Track 129 : Lumos_83
- Track 130 : Whirlwind_83
- Track 131 : Bromden_82
- Track 132 : Quby_82
- Track 133 : BrainDrainer_82, PYPDinur_81
- Track 134 : Kropertea_79, DyoEdafos_86
- Track 135 : FarmResident_83
- Track 136 : Douzhi_82
- Track 137 : ChutneyChips_83
- Track 138 : Sheng711_83
- Track 139 : Douge_82
- Track 140 : Chaser_81
- Track 141 : Baudelaire_90, Aegeus_90
- Track 142 : Stellammi_106
- Track 143 : Gaia_92
- Track 144 : Nebkiss_91
- Track 145 : Mbo4_61
- Track 146 : REQ2_80
- Track 147 : DS6A_89

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

The start number called the most often in the published annotations is 99, it was called in 94 of the 433 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 244_99, Adnama_102, Amao_98, AmericanBeauty_102, Argent26_102, BaboJay_98, BadStone_95, Barbarian_97, Bask21_98, Bench_101, BigBubba_98, BilboSwaggins_96, Brewer_94, Bruin_95, Buck_99, Cactus_101, ChotaBhai_98, Contagion_94, Cookies_95, CrystalP_97, Czyszczonek_99, DoctorDiddles_97, DrDrey_98, Dumbo_98, Eureka_97, FairyPath_99, Filch_100, Gemini_103, Glexan_97, HanKaySha_99, Harella_98, Henry_95, Highbury_96, Holt_103, Hopey_99, IHOP_96, Icee_99, JeTaime_98, Kanye_95, Kimchi_102, Lilizi_99, Liveloughbron_99, MISSy_99, MPhalcon_99, MadamMonkfish_98, Manda_100, Marshmallow_95, Maxxinista_100, Mindy_97, Miniwave_93, Misfit_99, Moldemort_101, MollyToe_93, Murphy_98, Myrale_98, NelitzaMV_96, Nimrod_98, NoSleep_99, NonchalantPear_98, Palpatine_99, Pat3_95, Phaja_96, Pharsalus_95, Phaux_100, Phrux_95, Policronamos_100, Pumpkin_101, Quallification_99, Rimmer_96, RiverMonster_98, Saints25_96, ShamWow_98, ShereKhan_96, Simpliphy_97, SirDuracell_98, SophKB_95, Sotrice96_99, Stank_100, StolenFromERC_101, StormChicken_100, TBrady12_101, Tarkin_97, TeamEdward_98, TeardropMSU_94, Teaspoon_99, Terminus_101, Thimble_100, Thresher_100, Tomaszewski_93, Toto_96, Traaww1_94, Tuco_99, Ukulele_93, Wiggins_100, Xandras_97, xkcd_101,

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

- ABCat_95, Asriel_96, Balomaji_98, Becksu_97, Bogg_98, BugsBunny_97, ChosenOne_98, Cjw1_98, Command613_100, DS6A_89, Daikon_99, Dusk_95, Easy2Say_98, Elite2014_97, Elph10_98, Emmina_98, FireRed_101, Flypotenuse_94, FoghornLeghorn_92, Gage_100, Gator_96, Goku_97, GoldenSpark_102, Goldilocks_101, GooberAzure_101, Greep_102, Hoonter_101, HuffyPuff_100, Inca_95, Kostya_98, Lilac_100, Lilpickle_97, Mosby_94, Murica_101, Nala_100, OrionPax_97, PaddyBaddy_98, Paperbeatsrock_97, Petra64142_103, PhatBacter_101, Porky_97, Rakim_99, Sassay_93, Stark_99, StellaBean_96, Willez_93, YassJohnny_95, Youngblood_101,

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

- Acquire49_81, Aegeus_90, Agueybana_79, AlumE_76, Annalisa_72, Antonio_73, Appletree2_80, Archie_81, Ardmore_78, Ariel_132, AvadaKedavra_81, BAKA_133, BBQValindra_65, BackstagePass_66, Bagrid_134, Baoshan_83, BatStarr_77, Baudelaire_90, Bazzle_81, Beem_135, Beenie_68, Bellis_83, Bialota_73, BigCheese_84, Bobby_125, BobsGarage_84, BodEinwohner17_103, Bombitas_121, Boomer_96, Bosnia_76, BourbonZero_84, Bowser_65, BoyNamedSue_76, Bradissa_72, BrainDrainer_82, Breezona_84, Bromden_82, BronnyJames_130, Budgie_105, Bunker_59, Bunnybear_72, BuzzLyseyear_100, Byougenkin_91, Calm_83, CaptainTrips_95, Cashline_73, Chaser_81, ChengKai98_84, Chipko_68, ChutneyChips_83, CicholasNage_78, Clark_73, Claus_83, Clautastrophe_81, Confidence_76, Constella_127, Coriander_64, Cornucopia_93, Courthouse_128, Crossroads_84, DLane_93, DaWorst_93, DaddyRickover_95, Daenerys_91, Dallas_134, DanBing_84, DeadP_94, Deb65_86, Dillpickles_79, DirkDirk_78,

DirtMcgirt_94, DirtyBoi_66, Dmitri_61, DmpstrDiver_133, DoRead_95, Doggs_62, Dolores_75, Doomphist_98, Dorito_68, Dorothy_94, DotProduct_87, Douge_82, Douzhi_82, Dove_119, DrSeegs_84, Drago_92, Duke13_128, DuncansLeg_83, DyoEdafos_86, EMsquaredA_76, Easley_72, Eish_99, Ejimix_127, Ellson_82, EmiMonkey_82, Emma_98, Emmaloid_96, Empress_93, EnalisNailo_72, Enby_97, Enceladus_78, Enzomatic_103, EricMillard_125, Estave1_101, Eudoria_74, Eviarto_78, Eyes_63, Faith1_84, FarmResident_83, Fastidio_97, Filuzino_93, Finemlucis_83, Finnry_82, Floral_77, Florinda_105, Fruitloop_91, GEazy_71, GUmbie_92, Gabriela_84, Gaia_92, Galactic_94, Gardann_84, Geralt_86, GigiOuiOui_88, Girafales_102, Gonephishing_127, Grimmer_99, GuuelaD_82, Hades_90, Hafay_85, Halena_79, Halley_135, Hamulus_94, Hannaconda_126, HannahD_68, Harley_96, Hedwig_68, Hegedechwinu_100, Herod_78, Hidrated_118, Hiraya_84, HokkenD_125, Hughesyang_133, Hugley_76, Hyzer_94, IMPilo_91, IbOuu_84, Ibhubesi_91, Invectra_77, Inventum_91, IrishSherpFalk_93, Itos_84, Jant_99, Jecs_71, Jobypre_83, JoeDirt_82, JoeyJr_96, Jubie_82, Juice456_92, JuicyJay_130, Juniper1_87, Kahlid_84, Kalah2_124, KashFlow_130, Kenuha5_86, Kiko_63, Kimberlium_95, KingMidas_93, Kingsolomon_80, KirDoubleO7_81, Kita_75, Klein_130, KristaRAM_97, Kropertea_79, Krypton555_83, LeBron_80, Leperchaun_95, Lewan_85, LilDestine_83, Lilas_73, LittleE_135, LittleShirley_101, LiyuLake_82, Loadrie_82, Lolly9_81, LonelyBoi_75, Lorde_96, Lucia_93, Lucky2013_127, Lumos_83, LunaBlu_97, Lynnae_86, MAckerman_80, Madavieve_74, Madeline_71, Madiba_92, MagicMan_68, Mahavrat_89, Manasvini_76, Maridalia_78, Marleymoo_118, Marteena_75, Mbo4_61, Mcklovin_73, Medindi_98, MiaZeal_132, MichaelScott_75, Miley16_84, MilleniumForce_93, Minerva_132, MiniLon_86, MiniMac_86, MkaliMitinis3_85, Molivier_76, Moonbeam_96, Moonflower_63, Moostard_80, Ms6_95, MsGreen_83, MulchExplorer_93, NaLuna_70, Nebkiss_91, Nekros_135, Neobush_76, Netyap_85, NewHope4_98, Nibley_129, Nicholas_80, Nicholasp3_84, NihilNomen_135, Nimbo_85, Nymphadora_78, Odette_137, Ogopogo_98, OhShagHennessey_78, Ohgeesy_78, OldBen_90, Omega_142, Opie_71, Optimus_124, Oregano_73, Ovechkin_97, OverPar_85, PHappiness_93, PMC_92, PYPDinur_81, PantheRoc_81, PatriciaStar_63, Peridot_96, Phalconet_94, Phatniss_91, PhesterPhotato_97, PhilipPhlop_83, Phoebus_134, PhriskyACE_68, Poenanya_97, Polka14_97, Pollux_79, Polly_71, Polo2Bam_102, Poochiewood_79, Porcelain_130, Pound_122, Powerball_70, Quby_82, QuickMath_94, Quico_102, REQ2_80, Ramsey_98, RayTheFireFly_71, Rearden_131, Red305_84, RedBird_94, Redno2_125, RitaG_92, Rizz_75, Rockne_96, RockyHorror_97, Rose5_82, Rossetti_85, Royals2015_96, Rumpelstiltskin_81, Samman98_75, Samty_81, Sarshaun_85, Sassafras_95, Schatzie_129, Schnabeltier_69, Scottish_93, SeaLumen_99, Seagreen_94, Sekhmet_74, Shaboozey_133, Sheng711_83, Sidious_74, Silverleaf_81, SimranZ1_89, Slim_96, Snenia_82, SoJulia_86, Soap141_84, Spikelee_94, Squint_130, Squirty_93, StAnnes_97, Stap_88, Starcevich_95, Stellammi_106, Suerte_68, Superphikiman_130, Suscepit_74, SushiChef_76, Taj_100, TaronosaurusRx_73, Tayonia_74, ThankyouJordi_77, Thibault_118, Thimann_74, ThreeRngTarjay_129, TimTam_78, Tourach_83, TriFive_83, Trumpet_74, Tuti_68, Tweety_94, Tyson_82, UPIE_80, UncleRicky_93, Underpass_76, VRedHorse_94, Vetrix_83, Violac_95, Vivum_91, Wachhund_91, Wamburggrxpress_81, Wanda_132, Wee_97, WelcomeAyanna_77, Whirlwind_83, Wigglewiggle_83, Wilder_85, WillSterrel_91, WinkNick_75, Winky_84, Wyatt2_82, XFactor_84, Xiaokay_129, Yeet_127, ZAYM_74, Zakai_85, Zameen_74, Zaria_82, Zelink_128, Zirinka_73,

Summary by start number:

Start 45:

- Found in 2 of 498 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 433
- Called 50.0% of time when present
- Phage (with cluster) where this start called: DS6A_89 (singleton),

Start 58:

- Found in 9 of 498 (1.8%) of genes in pham
- Manual Annotations of this start: 5 of 433
- Called 88.9% of time when present
- Phage (with cluster) where this start called: Enzomatic_103 (F1), Galactic_94 (F1), Grimmer_99 (F1), Juniper1_87 (F1), Mahavrat_89 (F1), NewHope4_98 (F1), Polo2Bam_102 (F1), SeaLumen_99 (F1),

Start 60:

- Found in 10 of 498 (2.0%) of genes in pham
- Manual Annotations of this start: 1 of 433
- Called 10.0% of time when present
- Phage (with cluster) where this start called: LunaBlu_97 (F1),

Start 61:

- Found in 1 of 498 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 433
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DirtyBoi_66 (DB),

Start 65:

- Found in 1 of 498 (0.2%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Mbo4_61 (singleton),

Start 66:

- Found in 15 of 498 (3.0%) of genes in pham
- Manual Annotations of this start: 11 of 433
- Called 86.7% of time when present
- Phage (with cluster) where this start called: BBQValindra_65 (DB), BackstagePass_66 (DB), Bowser_65 (DB), Bunker_59 (DB), Doggs_62 (DB), Eyes_63 (DB), GEazy_71 (DB), HannahD_68 (DB), Jecs_71 (DB), MagicMan_68 (DB), Opie_71 (DB), Schnabeltier_69 (DB), ZAYM_74 (DB),

Start 68:

- Found in 90 of 498 (18.1%) of genes in pham
- Manual Annotations of this start: 83 of 433
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ardmore_78 (F1), BodEinwohner17_103 (F1), Boomer_96 (F1), BuzzLyseyear_100 (F1), Byougenkin_91 (F1), CaptainTrips_95 (F1), Cornucopia_93 (F1), DLane_93 (F1), DaWorst_93 (F1), Daenerys_91 (F1), Deb65_86 (F1), DirtMcgirt_94 (F1), DoRead_95 (F1), Doomphist_98 (F1), Dorothy_94 (F1), DotProduct_87 (F1), Drago_92 (F1), Eish_99 (F1), EmiMonkey_82 (F1), Emma_98 (F1), Emmaloid_96 (F1), Empress_93 (F1), Enby_97 (F1), Estave1_101 (F1), Fastidio_97 (F1), Florinda_105 (F1), GUmble_92 (F1), Geralt_86 (F1), GigiOuiOui_88 (F1), Girafales_102 (F1), Hades_90 (F1),

Harley_96 (F1), IMpilo_91 (F1), IbOuu_84 (F1), Ibhubesi_91 (F1), Inventum_91 (F1), IrishSherpFalk_93 (F1), Jant_99 (F1), JoeyJr_96 (F1), Juice456_92 (F1), Kimberlium_95 (F1), KingMidas_93 (F1), Leperchaun_95 (F1), LittleShirley_101 (F1), Lorde_96 (F1), Lucia_93 (F1), Madiba_92 (F1), Medindi_98 (F1), MilleniumForce_93 (F1), Moonbeam_96 (F1), Ms6_95 (F1), MulchExplorer_93 (F1), Nimbo_85 (F1), Ogopogo_98 (F1), OldBen_90 (F1), Ovechkin_97 (F1), PHappiness_93 (F1), PMC_92 (F1), Peridot_96 (F1), Phalconet_94 (F1), Phatniss_91 (F1), PhesterPhotato_97 (F1), PhilipPhlop_83 (F1), Poenanya_97 (F1), Polka14_97 (F1), QuickMath_94 (F1), Quico_102 (F1), Ramsey_98 (F1), RedBird_94 (F1), RitaG_92 (F1), Rockne_96 (F1), RockyHorror_97 (F1), Royals2015_96 (F1), Sassafras_95 (F1), Scottish_93 (F1), Seagreen_94 (F1), SimranZ1_89 (F1), Slim_96 (F1), Spikelee_94 (F1), Squirty_93 (F3), StAnnes_97 (F1), Stap_88 (F1), Starceovich_95 (F1), Tweety_94 (F1), UncleRicky_93 (F1), VRedHorse_94 (F1), Violac_95 (F1), Vivum_91 (F1), Wachhund_91 (F1), WillSterrel_91 (F1),

Start 70:

- Found in 1 of 498 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 433
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hamulus_94 (F1),

Start 72:

- Found in 15 of 498 (3.0%) of genes in pham
- Manual Annotations of this start: 8 of 433
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Chipko_68 (DB), Dmitri_61 (DB), Filuzino_93 (F1), Fruitloop_91 (F1), Hegedechwinu_100 (F1), Kenuha5_86 (F1), PatriciaStar_63 (DB), Taj_100 (F1), Wee_97 (F1), XFactor_84 (F1),

Start 73:

- Found in 1 of 498 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 433
- Called 100.0% of time when present
- Phage (with cluster) where this start called: KristaRAM_97 (F1),

Start 74:

- Found in 9 of 498 (1.8%) of genes in pham
- Manual Annotations of this start: 1 of 433
- Called 11.1% of time when present
- Phage (with cluster) where this start called: DaddyRickover_95 (F1),

Start 75:

- Found in 58 of 498 (11.6%) of genes in pham
- Manual Annotations of this start: 52 of 433
- Called 96.6% of time when present
- Phage (with cluster) where this start called: Agueybana_79 (CZ1), AlumE_76 (CZ1), Annalisa_72 (CZ4), Antonio_73 (CZ1), BatStarr_77 (CZ1), Beenie_68 (CZ4), Bialota_73 (CZ1), Bosnia_76 (CZ1), BoyNamedSue_76 (CZ1), Bunnybear_72 (CZ), Clark_73 (CZ4), Confidence_76 (CY1), Dillpickles_79 (CZ1), Dolores_75 (CZ4), Dorito_68 (CZ4), EMSquaredA_76 (CY1), Easley_72 (CZ4), EnalisNailo_72 (CY1), Eudoria_74 (CZ1), Eviarto_78 (CZ1), Floral_77 (CY1), Herod_78 (CZ1), Hugley_76 (CZ1), Hyzer_94 (CZ1), Invectra_77 (CZ4), Kita_75 (CZ1), Lilas_73 (CY1), LonelyBoi_75 (CY7), Madeline_71 (CZ1), Manasvini_76 (CZ1), Maridalia_78 (CZ1),

Marteena_75 (CY1), Mcklovin_73 (CZ4), MichaelScott_75 (CZ4), Neobush_76 (CZ1), Ohgeesy_78 (CZ), PantheRoc_81 (CZ3), Pollux_79 (CY1), Polly_71 (CZ1), Rizz_75 (CZ4), Samman98_75 (CZ4), Sekhmet_74 (CZ4), Sidious_74 (CZ7), Suerte_68 (CZ4), Suscepit_74 (CZ1), SushiChef_76 (CZ), TaronosaurusRx_73 (DB), Tayonia_74 (CZ1), ThankyouJordi_77 (CZ1), TimTam_78 (CZ1), Trumpet_74 (CZ1), Tuti_68 (CZ4), WelcomeAyanna_77 (CZ1), WinkNick_75 (CZ4), Zameen_74 (CZ1), Zirinka_73 (CZ1),

Start 76:

- Found in 2 of 498 (0.4%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Moonflower_63 (DB),

Start 78:

- Found in 2 of 498 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 433
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Hedwig_68 (DB), RayTheFireFly_71 (DB),

Start 79:

- Found in 97 of 498 (19.5%) of genes in pham
- Manual Annotations of this start: 8 of 433
- Called 9.3% of time when present
- Phage (with cluster) where this start called: Bradissa_72 (CY1), Cashline_73 (CY6), DeadP_94 (F1), Madavieve_74 (CZ1), Nymphadora_78 (CZ1), Oregano_73 (CZ4), PhriskyACE_68 (CZ4), Powerball_70 (CZ4), Thimann_74 (CZ4),

Start 80:

- Found in 1 of 498 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 433
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kiko_63 (DB),

Start 81:

- Found in 1 of 498 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 433
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Coriander_64 (DB),

Start 86:

- Found in 3 of 498 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 33.3% of time when present
- Phage (with cluster) where this start called: REQ2_80 (singleton),

Start 89:

- Found in 13 of 498 (2.6%) of genes in pham
- No Manual Annotations of this start.
- Called 7.7% of time when present
- Phage (with cluster) where this start called: NaLuna_70 (DB),

Start 95:

- Found in 13 of 498 (2.6%) of genes in pham
- Manual Annotations of this start: 1 of 433
- Called 38.5% of time when present
- Phage (with cluster) where this start called: BourbonZero_84 (L3), Ellson_82 (L3), KirDoubleO7_81 (L3), LiyuLake_82 (L3), Lumos_83 (L3),

Start 97:

- Found in 85 of 498 (17.1%) of genes in pham
- Manual Annotations of this start: 65 of 433
- Called 82.4% of time when present
- Phage (with cluster) where this start called: Acquire49_81 (L1), Appletree2_80 (L1), Archie_81 (L2), AvadaKedavra_81 (L1), Baoshan_83 (L2), Bazzle_81 (L2), BigCheese_84 (L2), BobsGarage_84 (L2), Breezona_84 (L2), Bromden_82 (L4), Chaser_81 (L4), ChutneyChips_83 (L4), CicholasNage_78 (L1), Claus_83 (L2), Crossroads_84 (L2), DanBing_84 (L2), DirkDirk_78 (L1), Douge_82 (L4), DrSeegs_84 (L2), DyoEdafos_86 (L4), Enceladus_78 (L1), Faith1_84 (L2), Finemlucis_83 (L2), Finnry_82 (L3), Gabriela_84 (L2), Gardann_84 (L2), GuuelaD_82 (L2), Itos_84 (L2), JoeDirt_82 (L1), Kahlid_84 (L2), Kingsolomon_80 (L3), Kropertea_79 (L4), Krypton555_83 (L3), LeBron_80 (L1), Lewan_85 (L2), LilDestine_83 (L2), Loadrie_82 (L2), MAckerman_80 (L1), Miley16_84 (L2), MiniLon_86 (L3), MiniMac_86 (L3), MkaliMitinis3_85 (L2), Moostard_80 (L3), Netyap_85 (L2), Nicholas_80 (L3), Nicholasp3_84 (L2), OhShagHennessy_78 (L1), OverPar_85 (L2), Quby_82 (L4), Rose5_82 (L1), Rossetti_85 (L2), Rumpelstiltskin_81 (L2), Samty_81 (L3), Sheng711_83 (L4), Silverleaf_81 (L1), Soap141_84 (L2), Tourach_83 (L2), TriFive_83 (L3), Tyson_82 (L1), UPIE_80 (L1), Underpass_76 (L2), Vetrix_83 (L2), Wamburgrxpress_81 (L1), Whirlwind_83 (L3), Wigglewiggles_83 (L2), Wilder_85 (L2), Winky_84 (L2), Wyatt2_82 (L1), Zakai_85 (L2), Zaria_82 (L1),

Start 98:

- Found in 21 of 498 (4.2%) of genes in pham
- Manual Annotations of this start: 14 of 433
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ariel_132 (J), BronnyJames_130 (J), Courthouse_128 (J), Gonephishing_127 (J), Hannaconda_126 (J), HokkenD_125 (J), KashFlow_130 (J), LittleE_135 (J), Lucky2013_127 (J), MiaZeal_132 (J), Nekros_135 (J), Nibley_129 (J), Odette_137 (J), Omega_142 (J), Porcelain_130 (J), Rearden_131 (J), Shaboozey_133 (J), Squint_130 (J), Superphikiman_130 (J), Thibault_118 (J), Yeet_127 (J),

Start 99:

- Found in 144 of 498 (28.9%) of genes in pham
- Manual Annotations of this start: 94 of 433
- Called 66.7% of time when present
- Phage (with cluster) where this start called: 244_99 (E), Adnama_102 (E), Amao_98 (E), AmericanBeauty_102 (E), Argent26_102 (E), BaboJay_98 (E), BadStone_95 (E), Barbarian_97 (E), Bask21_98 (E), Bench_101 (E), BigBubba_98 (E), BilboSwaggins_96 (E), Brewer_94 (E), Bruin_95 (E), Buck_99 (E), Cactus_101 (E), ChotaBhai_98 (E), Contagion_94 (E), Cookies_95 (E), CrystalP_97 (E), Czystczon1_99 (E), DoctorDiddles_97 (E), DrDrey_98 (E), Dumbo_98 (E), Eureka_97 (E), FairyPath_99 (E), Filch_100 (E), Gemini_103 (E), Glexan_97 (E), HanKaySha_99 (E), Harella_98 (E), Henry_95 (E), Highbury_96 (E), Holt_103 (E),

Hopey_99 (E), IHOP_96 (E), Icee_99 (E), JeTaime_98 (E), Kanye_95 (E),
 Kimchi_102 (E), Lilizi_99 (E), LiveLaughBron_99 (E), MISSy_99 (E), MPhalcon_99 (E),
 MadamMonkfish_98 (E), Manda_100 (E), Marshmallow_95 (E), Maxxinista_100 (E),
 Mindy_97 (E), Miniwave_93 (E), Misfit_99 (E), Moldemort_101 (E), MollyToe_93 (E),
 Murphy_98 (E), Myrale_98 (E), NelitzaMV_96 (E), Nimrod_98 (E), NoSleep_99 (E),
 NonchalantPear_98 (E), Palpatine_99 (E), Pat3_95 (E), Phaja_96 (E), Pharsalus_95
 (E), Phaux_100 (E), Phrux_95 (E), Policronamos_100 (E), Pumpkin_101 (E),
 Qualification_99 (E), Rimmer_96 (E), RiverMonster_98 (E), Saints25_96 (E),
 ShamWow_98 (E), ShereKhan_96 (E), Simpliphy_97 (E), SirDuracell_98 (E),
 SophKB_95 (E), Sotrice96_99 (E), Stank_100 (E), StolenFromERC_101 (E),
 StormChicken_100 (E), TBrady12_101 (E), Tarkin_97 (E), TeamEdward_98 (E),
 TeardropMSU_94 (E), Teaspoon_99 (E), Terminus_101 (E), Thimble_100 (E),
 Thresher_100 (E), Tomaszewski_93 (E), Toto_96 (E), Traaww1_94 (E), Tuco_99 (E),
 Ukulele_93 (E), Wiggin_100 (E), Xandras_97 (E), xkcd_101 (E),

Start 100:

- Found in 15 of 498 (3.0%) of genes in pham
- Manual Annotations of this start: 8 of 433
- Called 53.3% of time when present
- Phage (with cluster) where this start called: Aegeus_90 (L5), Baudelaire_90 (L5),
 Bellis_83 (L3), Clautastrophe_81 (L3), DuncansLeg_83 (L3), Jobypre_83 (L3),
 Jubie_82 (L3), MsGreen_83 (L3),

Start 101:

- Found in 17 of 498 (3.4%) of genes in pham
- Manual Annotations of this start: 1 of 433
- Called 5.9% of time when present
- Phage (with cluster) where this start called: Gaia_92 (X),

Start 102:

- Found in 1 of 498 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 433
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Stellammi_106 (UNK),

Start 103:

- Found in 1 of 498 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 433
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Nebkiss_91 (X),

Start 104:

- Found in 30 of 498 (6.0%) of genes in pham
- Manual Annotations of this start: 27 of 433
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BAKA_133 (J), Bagrid_134 (J),
 Beem_135 (J), Bobby_125 (J), Bombitas_121 (J), Constella_127 (J), Dallas_134 (J),
 DmpstrDiver_133 (J), Dove_119 (J), Duke13_128 (J), Ejimix_127 (J), EricMillard_125
 (J), Halley_135 (J), Hidrated_118 (J), Hughesyang_133 (J), JuicyJay_130 (J),
 Kalah2_124 (J), Klein_130 (J), Marleymoo_118 (J), Minerva_132 (J),
 NihilNomen_135 (J), Optimus_124 (J), Phoebus_134 (J), Pound_122 (J),
 Redno2_125 (J), Schatzie_129 (J), ThreeRngTarjay_129 (J), Wanda_132 (J),
 Xiaokay_129 (J), Zelink_128 (J),

Start 108:

- Found in 195 of 498 (39.2%) of genes in pham
- Manual Annotations of this start: 40 of 433
- Called 24.6% of time when present
- Phage (with cluster) where this start called: ABCat_95 (E), Asriel_96 (E), Balomoji_98 (E), Becksu_97 (E), Bogg_98 (E), Budgie_105 (E), BugsBunny_97 (E), ChosenOne_98 (E), Cjw1_98 (E), Command613_100 (E), Daikon_99 (E), Dusk_95 (E), Easy2Say_98 (E), Elite2014_97 (E), Elph10_98 (E), Emmina_98 (E), FireRed_101 (E), Flypotenuse_94 (E), FoghornLeghorn_92 (E), Gage_100 (E), Gator_96 (E), Goku_97 (E), GoldenSpark_102 (E), Goldilocks_101 (E), GooberAzure_101 (E), Greep_102 (E), Hoonter_101 (E), HufflyPuff_100 (E), Inca_95 (E), Kostya_98 (E), Lilac_100 (E), Lilpickle_97 (E), Mosby_94 (E), Murica_101 (E), Nala_100 (E), OrionPax_97 (E), PaddyBaddy_98 (E), Paperbeatsrock_97 (E), Petra64142_103 (E), PhatBacter_101 (E), Porky_97 (E), Rakim_99 (E), Sassay_93 (E), Stark_99 (E), StellaBean_96 (E), Willez_93 (E), YassJohnny_95 (E), Youngblood_101 (E),

Start 110:

- Found in 33 of 498 (6.6%) of genes in pham
- No Manual Annotations of this start.
- Called 18.2% of time when present
- Phage (with cluster) where this start called: ChengKai98_84 (L2), Hiraya_84 (L2), Lynnae_86 (L2), Molivier_76 (L2), Sarshaun_85 (L2), SoJulia_86 (L2),

Start 111:

- Found in 25 of 498 (5.0%) of genes in pham
- Manual Annotations of this start: 2 of 433
- Called 24.0% of time when present
- Phage (with cluster) where this start called: BrainDrainer_82 (L4), FarmResident_83 (L4), Lolly9_81 (L3), PYPDinur_81 (L4), Red305_84 (L3), Snenia_82 (L3),

Start 112:

- Found in 20 of 498 (4.0%) of genes in pham
- Manual Annotations of this start: 2 of 433
- Called 15.0% of time when present
- Phage (with cluster) where this start called: Calm_83 (L1), Halena_79 (L1), Poochiewood_79 (L1),

Start 113:

- Found in 5 of 498 (1.0%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Hafay_85 (L2),

Start 115:

- Found in 7 of 498 (1.4%) of genes in pham
- No Manual Annotations of this start.
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Douzhi_82 (L4),

Summary by clusters:

There are 21 clusters represented in this pham: F1, singleton, CZ1, E, CY6, CZ3, J, DB, CY1, CZ4, CZ7, CZ, L4, L5, L2, L3, F3, L1, X, UNK, CY7,

Info for manual annotations of cluster CY1:

- Start number 75 was manually annotated 7 times for cluster CY1.
- Start number 79 was manually annotated 1 time for cluster CY1.

Info for manual annotations of cluster CY6:

- Start number 79 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:

- Start number 75 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster CZ:

- Start number 75 was manually annotated 2 times for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 75 was manually annotated 25 times for cluster CZ1.
- Start number 79 was manually annotated 1 time for cluster CZ1.

Info for manual annotations of cluster CZ3:

- Start number 75 was manually annotated 1 time for cluster CZ3.

Info for manual annotations of cluster CZ4:

- Start number 75 was manually annotated 14 times for cluster CZ4.
- Start number 79 was manually annotated 4 times for cluster CZ4.

Info for manual annotations of cluster CZ7:

- Start number 75 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster DB:

- Start number 61 was manually annotated 1 time for cluster DB.
- Start number 66 was manually annotated 11 times for cluster DB.
- Start number 72 was manually annotated 1 time for cluster DB.
- Start number 75 was manually annotated 1 time for cluster DB.
- Start number 78 was manually annotated 2 times for cluster DB.
- Start number 80 was manually annotated 1 time for cluster DB.
- Start number 81 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster E:

- Start number 99 was manually annotated 94 times for cluster E.
- Start number 108 was manually annotated 40 times for cluster E.

Info for manual annotations of cluster F1:

- Start number 58 was manually annotated 5 times for cluster F1.
- Start number 60 was manually annotated 1 time for cluster F1.
- Start number 68 was manually annotated 82 times for cluster F1.
- Start number 70 was manually annotated 1 time for cluster F1.
- Start number 72 was manually annotated 7 times for cluster F1.
- Start number 73 was manually annotated 1 time for cluster F1.
- Start number 74 was manually annotated 1 time for cluster F1.
- Start number 79 was manually annotated 1 time for cluster F1.

Info for manual annotations of cluster F3:

- Start number 68 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster J:

- Start number 98 was manually annotated 14 times for cluster J.
- Start number 104 was manually annotated 27 times for cluster J.

Info for manual annotations of cluster L1:

- Start number 97 was manually annotated 17 times for cluster L1.
- Start number 112 was manually annotated 2 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 97 was manually annotated 32 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 95 was manually annotated 1 time for cluster L3.
- Start number 97 was manually annotated 10 times for cluster L3.
- Start number 100 was manually annotated 6 times for cluster L3.
- Start number 111 was manually annotated 2 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 97 was manually annotated 6 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 100 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster UNK:

- Start number 102 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster X:

- Start number 101 was manually annotated 1 time for cluster X.
- Start number 103 was manually annotated 1 time for cluster X.

Gene Information:

Gene: 244_99 Start: 58106, Stop: 58642, Start Num: 99

Candidate Starts for 244_99:

(Start: 99 @58106 has 94 MA's), (Start: 108 @58142 has 40 MA's), (131, 58262), (138, 58301), (172, 58481), (183, 58535), (185, 58544), (187, 58550), (188, 58556), (191, 58568), (198, 58598), (207, 58634),

Gene: ABCat_95 Start: 58508, Stop: 59014, Start Num: 108

Candidate Starts for ABCat_95:

(Start: 99 @58472 has 94 MA's), (Start: 108 @58508 has 40 MA's), (131, 58628), (138, 58667), (172, 58847), (205, 59000),

Gene: Acquire49_81 Start: 52966, Stop: 53532, Start Num: 97

Candidate Starts for Acquire49_81:

(Start: 97 @52966 has 65 MA's), (Start: 108 @53005 has 40 MA's), (Start: 112 @53038 has 2 MA's), (134, 53137), (135, 53149), (139, 53164), (149, 53236), (158, 53263), (166, 53299), (175, 53359), (180, 53377), (188, 53419), (206, 53500),

Gene: Adnama_102 Start: 58401, Stop: 58937, Start Num: 99

Candidate Starts for Adnama_102:

(Start: 99 @58401 has 94 MA's), (Start: 108 @58437 has 40 MA's), (131, 58557), (138, 58596), (172, 58776), (183, 58830), (185, 58839), (187, 58845), (188, 58851), (191, 58863), (198, 58893), (207, 58929),

Gene: Aegeus_90 Start: 55548, Stop: 56093, Start Num: 100

Candidate Starts for Aegeus_90:

(86, 55476), (88, 55482), (Start: 100 @55548 has 8 MA's), (Start: 108 @55584 has 40 MA's), (Start: 111 @55614 has 2 MA's), (126, 55689), (129, 55698), (145, 55782), (161, 55851), (170, 55896), (172, 55920), (188, 55995), (193, 56013),

Gene: Agueybana_79 Start: 50300, Stop: 50974, Start Num: 75

Candidate Starts for Agueybana_79:

(3, 49817), (4, 49838), (6, 49850), (Start: 75 @50300 has 52 MA's), (Start: 79 @50309 has 8 MA's), (132, 50570), (147, 50654), (153, 50684), (207, 50939),

Gene: AlumE_76 Start: 50192, Stop: 50857, Start Num: 75

Candidate Starts for AlumE_76:

(23, 49886), (Start: 75 @50192 has 52 MA's), (132, 50453), (147, 50537), (153, 50567), (207, 50822),

Gene: Amao_98 Start: 57914, Stop: 58456, Start Num: 99

Candidate Starts for Amao_98:

(Start: 99 @57914 has 94 MA's), (Start: 108 @57950 has 40 MA's), (131, 58070), (138, 58109), (172, 58289), (205, 58442),

Gene: AmericanBeauty_102 Start: 58641, Stop: 59177, Start Num: 99

Candidate Starts for AmericanBeauty_102:

(Start: 99 @58641 has 94 MA's), (Start: 108 @58677 has 40 MA's), (131, 58797), (138, 58836), (172, 59016), (183, 59070), (185, 59079), (187, 59085), (188, 59091), (191, 59103), (198, 59133), (207, 59169),

Gene: Annalisa_72 Start: 44997, Stop: 45671, Start Num: 75

Candidate Starts for Annalisa_72:

(47, 44895), (Start: 75 @44997 has 52 MA's), (132, 45267), (140, 45306), (141, 45312), (147, 45351), (153, 45381), (183, 45534), (207, 45636),

Gene: Antonio_73 Start: 47946, Stop: 48620, Start Num: 75

Candidate Starts for Antonio_73:

(Start: 75 @47946 has 52 MA's), (Start: 79 @47955 has 8 MA's), (132, 48216), (147, 48300), (153, 48330), (207, 48585),

Gene: Appletree2_80 Start: 52577, Stop: 53143, Start Num: 97

Candidate Starts for Appletree2_80:

(Start: 97 @52577 has 65 MA's), (Start: 108 @52616 has 40 MA's), (Start: 112 @52649 has 2 MA's), (134, 52748), (135, 52760), (139, 52775), (149, 52847), (158, 52874), (166, 52910), (175, 52970), (188, 53030), (206, 53111),

Gene: Archie_81 Start: 54499, Stop: 55065, Start Num: 97

Candidate Starts for Archie_81:

(Start: 97 @54499 has 65 MA's), (113, 54574), (134, 54670), (135, 54682), (149, 54769), (158, 54796), (175, 54892), (180, 54910), (206, 55033),

Gene: Ardmore_78 Start: 46559, Stop: 47200, Start Num: 68

Candidate Starts for Ardmore_78:

(Start: 68 @46559 has 83 MA's), (Start: 79 @46589 has 8 MA's), (87, 46616), (120, 46790), (177, 47012), (185, 47042), (189, 47060), (203, 47147),

Gene: Argent26_102 Start: 58325, Stop: 58861, Start Num: 99

Candidate Starts for Argent26_102:

(Start: 99 @58325 has 94 MA's), (Start: 108 @58361 has 40 MA's), (131, 58481), (138, 58520), (172, 58700), (183, 58754), (185, 58763), (187, 58769), (188, 58775), (191, 58787), (198, 58817), (207, 58853),

Gene: Ariel_132 Start: 69405, Stop: 69953, Start Num: 98

Candidate Starts for Ariel_132:

(Start: 98 @69405 has 14 MA's), (114, 69486), (130, 69567), (146, 69654), (158, 69708), (161, 69720), (168, 69750), (175, 69804),

Gene: Asriel_96 Start: 56774, Stop: 57274, Start Num: 108

Candidate Starts for Asriel_96:

(Start: 99 @56738 has 94 MA's), (Start: 108 @56774 has 40 MA's), (131, 56894), (138, 56933), (172, 57113), (183, 57167), (185, 57176), (187, 57182), (188, 57188), (191, 57200), (198, 57230), (207, 57266),

Gene: AvadaKedavra_81 Start: 53045, Stop: 53611, Start Num: 97

Candidate Starts for AvadaKedavra_81:

(Start: 97 @53045 has 65 MA's), (Start: 108 @53084 has 40 MA's), (Start: 112 @53117 has 2 MA's), (134, 53216), (135, 53228), (139, 53243), (149, 53315), (158, 53342), (166, 53378), (175, 53438), (188, 53498), (206, 53579),

Gene: BAKA_133 Start: 72125, Stop: 72664, Start Num: 104

Candidate Starts for BAKA_133:

(Start: 104 @72125 has 27 MA's), (Start: 108 @72155 has 40 MA's), (130, 72269), (134, 72284), (142, 72341), (147, 72362), (154, 72395), (168, 72452), (194, 72590), (202, 72629),

Gene: BBQValindra_65 Start: 45391, Stop: 46092, Start Num: 66

Candidate Starts for BBQValindra_65:

(Start: 66 @45391 has 11 MA's), (89, 45463), (91, 45478), (Start: 101 @45532 has 1 MA's), (109, 45571), (124, 45655), (132, 45691), (140, 45733), (141, 45739), (147, 45778), (148, 45793), (149, 45799), (153, 45808), (167, 45868), (169, 45877), (170, 45886), (177, 45934), (183, 45955), (189, 45982), (199, 46027), (205, 46054), (207, 46060), (208, 46063), (211, 46078),

Gene: BaboJay_98 Start: 58663, Stop: 59205, Start Num: 99

Candidate Starts for BaboJay_98:

(Start: 99 @58663 has 94 MA's), (Start: 108 @58699 has 40 MA's), (131, 58819), (138, 58858), (172, 59038), (205, 59191),

Gene: BackstagePass_66 Start: 44766, Stop: 45440, Start Num: 66

Candidate Starts for BackstagePass_66:

(46, 44688), (Start: 66 @44766 has 11 MA's), (84, 44796), (89, 44811), (91, 44826), (Start: 101 @44880 has 1 MA's), (109, 44919), (124, 45003), (132, 45039), (140, 45081), (141, 45087), (147, 45126), (149, 45147), (153, 45156), (167, 45216), (170, 45234), (183, 45303), (189, 45330), (199, 45375), (205, 45402), (208, 45411), (211, 45426),

Gene: BadStone_95 Start: 58041, Stop: 58583, Start Num: 99

Candidate Starts for BadStone_95:

(Start: 99 @58041 has 94 MA's), (Start: 108 @58077 has 40 MA's), (131, 58197), (138, 58236), (172, 58416), (205, 58569),

Gene: Bagrid_134 Start: 72248, Stop: 72787, Start Num: 104

Candidate Starts for Bagrid_134:

(Start: 104 @72248 has 27 MA's), (Start: 108 @72278 has 40 MA's), (130, 72392), (134, 72407), (142, 72464), (147, 72485), (154, 72518), (168, 72575), (194, 72713), (202, 72752),

Gene: Balomoji_98 Start: 58557, Stop: 59057, Start Num: 108

Candidate Starts for Balomoji_98:

(Start: 99 @58521 has 94 MA's), (Start: 108 @58557 has 40 MA's), (131, 58677), (138, 58716), (172, 58896), (183, 58950), (185, 58959), (187, 58965), (188, 58971), (191, 58983), (198, 59013), (207, 59049),

Gene: Baoshan_83 Start: 54788, Stop: 55357, Start Num: 97

Candidate Starts for Baoshan_83:

(Start: 97 @54788 has 65 MA's), (127, 54935), (134, 54959), (135, 54971), (149, 55058), (150, 55061), (165, 55115), (166, 55121), (175, 55181), (180, 55199), (185, 55229),

Gene: Barbarian_97 Start: 56738, Stop: 57274, Start Num: 99

Candidate Starts for Barbarian_97:

(Start: 99 @56738 has 94 MA's), (Start: 108 @56774 has 40 MA's), (131, 56894), (138, 56933), (172, 57113), (183, 57167), (185, 57176), (187, 57182), (188, 57188), (191, 57200), (198, 57230), (207, 57266),

Gene: Bask21_98 Start: 57377, Stop: 57913, Start Num: 99

Candidate Starts for Bask21_98:

(Start: 99 @57377 has 94 MA's), (Start: 108 @57413 has 40 MA's), (131, 57533), (138, 57572), (172, 57752), (183, 57806), (185, 57815), (187, 57821), (188, 57827), (191, 57839), (198, 57869), (207, 57905),

Gene: BatStarr_77 Start: 50914, Stop: 51588, Start Num: 75

Candidate Starts for BatStarr_77:

(Start: 75 @50914 has 52 MA's), (Start: 79 @50923 has 8 MA's), (132, 51184), (147, 51268), (153, 51298), (207, 51553),

Gene: Baudelaire_90 Start: 55548, Stop: 56093, Start Num: 100

Candidate Starts for Baudelaire_90:

(86, 55476), (88, 55482), (Start: 100 @55548 has 8 MA's), (Start: 108 @55584 has 40 MA's), (Start: 111 @55614 has 2 MA's), (126, 55689), (129, 55698), (145, 55782), (161, 55851), (170, 55896), (172, 55920), (188, 55995), (193, 56013),

Gene: Bazzle_81 Start: 54688, Stop: 55257, Start Num: 97

Candidate Starts for Bazzle_81:

(Start: 97 @54688 has 65 MA's), (113, 54763), (134, 54859), (135, 54871), (149, 54958), (150, 54961), (158, 54985), (175, 55081), (183, 55120),

Gene: Becksu_97 Start: 58750, Stop: 59250, Start Num: 108

Candidate Starts for Becksu_97:

(Start: 99 @58714 has 94 MA's), (Start: 108 @58750 has 40 MA's), (131, 58870), (138, 58909), (172, 59089), (183, 59143), (185, 59152), (187, 59158), (188, 59164), (191, 59176), (198, 59206), (207,

59242),

Gene: Beem_135 Start: 73723, Stop: 74262, Start Num: 104

Candidate Starts for Beem_135:

(Start: 104 @73723 has 27 MA's), (Start: 108 @73753 has 40 MA's), (130, 73867), (134, 73882), (142, 73939), (147, 73960), (154, 73993), (168, 74050), (194, 74188), (202, 74227), (210, 74245),

Gene: Beenie_68 Start: 45544, Stop: 46218, Start Num: 75

Candidate Starts for Beenie_68:

(18, 45211), (47, 45436), (Start: 75 @45544 has 52 MA's), (Start: 79 @45553 has 8 MA's), (132, 45814), (140, 45853), (141, 45859), (147, 45898), (153, 45928), (183, 46081), (207, 46183),

Gene: Bellis_83 Start: 54855, Stop: 55415, Start Num: 100

Candidate Starts for Bellis_83:

(Start: 95 @54831 has 1 MA's), (Start: 100 @54855 has 8 MA's), (Start: 111 @54918 has 2 MA's), (127, 54996), (143, 55086), (145, 55092), (149, 55122), (154, 55134), (158, 55149), (168, 55191), (170, 55206), (175, 55245), (195, 55344),

Gene: Bench_101 Start: 58457, Stop: 58999, Start Num: 99

Candidate Starts for Bench_101:

(Start: 99 @58457 has 94 MA's), (Start: 108 @58493 has 40 MA's), (131, 58613), (138, 58652), (172, 58832), (205, 58985),

Gene: Bialota_73 Start: 49643, Stop: 50308, Start Num: 75

Candidate Starts for Bialota_73:

(23, 49337), (Start: 75 @49643 has 52 MA's), (132, 49904), (147, 49988), (153, 50018), (207, 50273),

Gene: BigBubba_98 Start: 57433, Stop: 57969, Start Num: 99

Candidate Starts for BigBubba_98:

(Start: 99 @57433 has 94 MA's), (Start: 108 @57469 has 40 MA's), (131, 57589), (138, 57628), (172, 57808), (183, 57862), (185, 57871), (187, 57877), (188, 57883), (191, 57895), (198, 57925), (207, 57961),

Gene: BigCheese_84 Start: 54918, Stop: 55484, Start Num: 97

Candidate Starts for BigCheese_84:

(Start: 97 @54918 has 65 MA's), (110, 54984), (127, 55065), (134, 55089), (150, 55191), (158, 55215), (175, 55311), (188, 55371), (206, 55452),

Gene: BilboSwaggins_96 Start: 58438, Stop: 58980, Start Num: 99

Candidate Starts for BilboSwaggins_96:

(Start: 99 @58438 has 94 MA's), (Start: 108 @58474 has 40 MA's), (131, 58594), (138, 58633), (172, 58813), (205, 58966),

Gene: Bobby_125 Start: 73824, Stop: 74363, Start Num: 104

Candidate Starts for Bobby_125:

(Start: 104 @73824 has 27 MA's), (Start: 108 @73854 has 40 MA's), (130, 73968), (134, 73983), (142, 74040), (147, 74061), (154, 74094), (158, 74109), (161, 74121), (194, 74289), (202, 74328),

Gene: BobsGarage_84 Start: 54918, Stop: 55484, Start Num: 97

Candidate Starts for BobsGarage_84:

(Start: 97 @54918 has 65 MA's), (110, 54984), (127, 55065), (134, 55089), (150, 55191), (158, 55215), (175, 55311), (188, 55371), (206, 55452),

Gene: BodEinwohner17_103 Start: 54614, Stop: 55252, Start Num: 68

Candidate Starts for BodEinwohner17_103:

(Start: 68 @54614 has 83 MA's), (87, 54665), (118, 54836), (177, 55061), (185, 55091), (189, 55109), (203, 55196),

Gene: Bogg_98 Start: 57387, Stop: 57893, Start Num: 108

Candidate Starts for Bogg_98:

(Start: 99 @57351 has 94 MA's), (Start: 108 @57387 has 40 MA's), (131, 57507), (138, 57546), (172, 57726), (205, 57879),

Gene: Bombitas_121 Start: 71134, Stop: 71673, Start Num: 104

Candidate Starts for Bombitas_121:

(Start: 104 @71134 has 27 MA's), (Start: 108 @71164 has 40 MA's), (130, 71278), (134, 71293), (142, 71350), (147, 71371), (154, 71404), (168, 71461), (194, 71599), (202, 71638), (210, 71656),

Gene: Boomer_96 Start: 52848, Stop: 53486, Start Num: 68

Candidate Starts for Boomer_96:

(Start: 68 @52848 has 83 MA's), (87, 52899), (118, 53070), (177, 53295), (185, 53325), (189, 53343), (203, 53430),

Gene: Bosnia_76 Start: 52028, Stop: 52702, Start Num: 75

Candidate Starts for Bosnia_76:

(Start: 75 @52028 has 52 MA's), (Start: 79 @52037 has 8 MA's), (132, 52298), (147, 52382), (153, 52412), (207, 52667),

Gene: BourbonZero_84 Start: 54860, Stop: 55444, Start Num: 95

Candidate Starts for BourbonZero_84:

(Start: 95 @54860 has 1 MA's), (Start: 100 @54884 has 8 MA's), (Start: 111 @54947 has 2 MA's), (116, 54977), (127, 55025), (143, 55115), (149, 55151), (154, 55163), (158, 55178), (168, 55220), (170, 55235), (175, 55274), (195, 55373),

Gene: Bowser_65 Start: 45082, Stop: 45783, Start Num: 66

Candidate Starts for Bowser_65:

(10, 44710), (17, 44773), (21, 44794), (30, 44863), (Start: 45 @44965 has 1 MA's), (Start: 66 @45082 has 11 MA's), (71, 45106), (84, 45139), (89, 45154), (91, 45169), (92, 45178), (Start: 101 @45223 has 1 MA's), (109, 45262), (124, 45346), (132, 45382), (140, 45424), (141, 45430), (147, 45469), (148, 45484), (149, 45490), (153, 45499), (169, 45568), (183, 45646), (189, 45673), (199, 45718), (205, 45745), (208, 45754), (211, 45769),

Gene: BoyNamedSue_76 Start: 50192, Stop: 50857, Start Num: 75

Candidate Starts for BoyNamedSue_76:

(23, 49886), (Start: 75 @50192 has 52 MA's), (132, 50453), (147, 50537), (153, 50567), (207, 50822),

Gene: Bradissa_72 Start: 49989, Stop: 50657, Start Num: 79

Candidate Starts for Bradissa_72:

(1, 49407), (2, 49446), (8, 49542), (36, 49776), (Start: 79 @49989 has 8 MA's), (132, 50250), (140, 50292), (147, 50337), (153, 50367), (207, 50622),

Gene: BrainDrainer_82 Start: 53753, Stop: 54247, Start Num: 111

Candidate Starts for BrainDrainer_82:

(Start: 97 @53684 has 65 MA's), (Start: 111 @53753 has 2 MA's), (115, 53768), (127, 53831), (134, 53855), (135, 53867), (165, 54011), (166, 54017), (175, 54077), (183, 54116), (206, 54218),

Gene: Breezona_84 Start: 54918, Stop: 55484, Start Num: 97

Candidate Starts for Breezona_84:

(Start: 97 @54918 has 65 MA's), (110, 54984), (127, 55065), (134, 55089), (150, 55191), (158, 55215), (175, 55311), (188, 55371), (206, 55452),

Gene: Brewer_94 Start: 57259, Stop: 57795, Start Num: 99

Candidate Starts for Brewer_94:

(Start: 99 @57259 has 94 MA's), (Start: 108 @57295 has 40 MA's), (131, 57415), (138, 57454), (172, 57634), (183, 57688), (185, 57697), (187, 57703), (188, 57709), (191, 57721), (198, 57751), (207, 57787),

Gene: Bromden_82 Start: 54314, Stop: 54883, Start Num: 97

Candidate Starts for Bromden_82:

(Start: 97 @54314 has 65 MA's), (134, 54485), (158, 54611), (166, 54647), (175, 54707), (183, 54746),

Gene: BronnyJames_130 Start: 70520, Stop: 71212, Start Num: 98

Candidate Starts for BronnyJames_130:

(Start: 98 @70520 has 14 MA's), (114, 70601), (130, 70682), (146, 70769), (158, 70823), (160, 70832), (161, 70835), (168, 70865), (175, 70919), (209, 71063), (215, 71108),

Gene: Bruin_95 Start: 57336, Stop: 57878, Start Num: 99

Candidate Starts for Bruin_95:

(Start: 99 @57336 has 94 MA's), (Start: 108 @57372 has 40 MA's), (131, 57492), (138, 57531), (172, 57711), (205, 57864),

Gene: Buck_99 Start: 59026, Stop: 59568, Start Num: 99

Candidate Starts for Buck_99:

(Start: 99 @59026 has 94 MA's), (Start: 108 @59062 has 40 MA's), (131, 59182), (138, 59221), (172, 59401), (205, 59554),

Gene: Budgie_105 Start: 58356, Stop: 58865, Start Num: 108

Candidate Starts for Budgie_105:

(Start: 108 @58356 has 40 MA's), (131, 58476), (138, 58515), (164, 58635), (205, 58848),

Gene: BugsBunny_97 Start: 58472, Stop: 58978, Start Num: 108

Candidate Starts for BugsBunny_97:

(Start: 99 @58436 has 94 MA's), (Start: 108 @58472 has 40 MA's), (131, 58592), (138, 58631), (172, 58811), (205, 58964),

Gene: Bunker_59 Start: 44048, Stop: 44725, Start Num: 66

Candidate Starts for Bunker_59:

(46, 43970), (Start: 66 @44048 has 11 MA's), (84, 44081), (89, 44096), (91, 44111), (Start: 101 @44165 has 1 MA's), (109, 44204), (124, 44288), (132, 44324), (140, 44366), (141, 44372), (147, 44411), (149, 44432), (153, 44441), (167, 44501), (170, 44519), (183, 44588), (189, 44615), (199, 44660), (205, 44687), (208, 44696), (211, 44711),

Gene: Bunnybear_72 Start: 48915, Stop: 49580, Start Num: 75

Candidate Starts for Bunnybear_72:

(Start: 75 @48915 has 52 MA's), (132, 49176), (147, 49260), (153, 49290), (207, 49545),

Gene: BuzzLyseyear_100 Start: 54341, Stop: 54985, Start Num: 68

Candidate Starts for BuzzLyseyear_100:

(Start: 68 @54341 has 83 MA's), (Start: 79 @54371 has 8 MA's), (87, 54398), (120, 54572), (177, 54794), (185, 54824), (189, 54842),

Gene: Byougenkin_91 Start: 49179, Stop: 49823, Start Num: 68

Candidate Starts for Byougenkin_91:

(Start: 68 @49179 has 83 MA's), (87, 49236), (118, 49407), (177, 49632), (185, 49662), (189, 49680),

Gene: Cactus_101 Start: 57402, Stop: 57944, Start Num: 99

Candidate Starts for Cactus_101:

(Start: 99 @57402 has 94 MA's), (Start: 108 @57438 has 40 MA's), (131, 57558), (138, 57597), (172, 57777), (205, 57930),

Gene: Calm_83 Start: 53360, Stop: 53854, Start Num: 112

Candidate Starts for Calm_83:

(Start: 97 @53288 has 65 MA's), (Start: 108 @53327 has 40 MA's), (Start: 112 @53360 has 2 MA's), (134, 53459), (135, 53471), (139, 53486), (149, 53558), (158, 53585), (166, 53621), (175, 53681), (180, 53699), (188, 53741), (206, 53822),

Gene: CaptainTrips_95 Start: 51744, Stop: 52388, Start Num: 68

Candidate Starts for CaptainTrips_95:

(Start: 68 @51744 has 83 MA's), (87, 51801), (118, 51972), (177, 52197), (185, 52227), (189, 52245),

Gene: Cashline_73 Start: 50684, Stop: 51352, Start Num: 79

Candidate Starts for Cashline_73:

(1, 50102), (2, 50141), (8, 50237), (36, 50471), (40, 50489), (42, 50495), (Start: 79 @50684 has 8 MA's), (132, 50945), (140, 50987), (147, 51032), (153, 51062), (207, 51317),

Gene: Chaser_81 Start: 53322, Stop: 53885, Start Num: 97

Candidate Starts for Chaser_81:

(Start: 97 @53322 has 65 MA's), (Start: 111 @53391 has 2 MA's), (127, 53469), (134, 53493), (135, 53505), (166, 53655), (170, 53676), (175, 53715), (183, 53754), (206, 53856),

Gene: ChengKai98_84 Start: 54821, Stop: 55321, Start Num: 110

Candidate Starts for ChengKai98_84:

(Start: 97 @54755 has 65 MA's), (110, 54821), (127, 54902), (134, 54926), (149, 55025), (150, 55028), (158, 55052), (175, 55148), (188, 55208), (206, 55289),

Gene: Chipko_68 Start: 44171, Stop: 44851, Start Num: 72

Candidate Starts for Chipko_68:

(Start: 72 @44171 has 8 MA's), (82, 44198), (132, 44450), (137, 44474), (140, 44492), (147, 44537), (148, 44552), (161, 44594), (173, 44666), (176, 44681), (189, 44741), (193, 44762), (199, 44786), (208, 44822),

Gene: ChosenOne_98 Start: 57532, Stop: 58038, Start Num: 108

Candidate Starts for ChosenOne_98:

(Start: 99 @57496 has 94 MA's), (Start: 108 @57532 has 40 MA's), (131, 57652), (138, 57691), (172, 57871), (205, 58024),

Gene: ChotaBhai_98 Start: 57739, Stop: 58281, Start Num: 99

Candidate Starts for ChotaBhai_98:

(Start: 99 @57739 has 94 MA's), (Start: 108 @57775 has 40 MA's), (131, 57895), (138, 57934), (172, 58114), (205, 58267),

Gene: ChutneyChips_83 Start: 53655, Stop: 54218, Start Num: 97

Candidate Starts for ChutneyChips_83:

(Start: 97 @53655 has 65 MA's), (Start: 111 @53724 has 2 MA's), (127, 53802), (134, 53826), (135, 53838), (158, 53952), (175, 54048), (183, 54087), (206, 54189),

Gene: CicholasNage_78 Start: 52630, Stop: 53196, Start Num: 97

Candidate Starts for CicholasNage_78:

(Start: 97 @52630 has 65 MA's), (Start: 108 @52669 has 40 MA's), (Start: 112 @52702 has 2 MA's), (134, 52801), (135, 52813), (139, 52828), (149, 52900), (158, 52927), (166, 52963), (175, 53023), (180, 53041), (188, 53083), (206, 53164),

Gene: Cjw1_98 Start: 59386, Stop: 59892, Start Num: 108

Candidate Starts for Cjw1_98:

(Start: 99 @59350 has 94 MA's), (Start: 108 @59386 has 40 MA's), (131, 59506), (138, 59545), (172, 59725), (205, 59878),

Gene: Clark_73 Start: 45307, Stop: 45981, Start Num: 75

Candidate Starts for Clark_73:

(18, 44974), (47, 45199), (Start: 75 @45307 has 52 MA's), (Start: 79 @45316 has 8 MA's), (132, 45577), (140, 45616), (141, 45622), (147, 45661), (153, 45691), (183, 45844), (207, 45946),

Gene: Claus_83 Start: 54853, Stop: 55419, Start Num: 97

Candidate Starts for Claus_83:

(Start: 97 @54853 has 65 MA's), (113, 54928), (127, 55000), (134, 55024), (135, 55036), (149, 55123), (150, 55126), (158, 55150), (175, 55246), (188, 55306), (206, 55387),

Gene: Clautastrophe_81 Start: 54853, Stop: 55413, Start Num: 100

Candidate Starts for Clautastrophe_81:

(Start: 95 @54829 has 1 MA's), (Start: 100 @54853 has 8 MA's), (Start: 111 @54916 has 2 MA's), (127, 54994), (143, 55084), (149, 55120), (154, 55132), (158, 55147), (168, 55189), (170, 55204), (175, 55243), (195, 55342),

Gene: Command613_100 Start: 58571, Stop: 59071, Start Num: 108

Candidate Starts for Command613_100:

(Start: 99 @58535 has 94 MA's), (Start: 108 @58571 has 40 MA's), (131, 58691), (138, 58730), (172, 58910), (183, 58964), (185, 58973), (187, 58979), (188, 58985), (191, 58997), (198, 59027), (207, 59063),

Gene: Confidence_76 Start: 48755, Stop: 49432, Start Num: 75

Candidate Starts for Confidence_76:

(48, 48662), (Start: 75 @48755 has 52 MA's), (Start: 79 @48764 has 8 MA's), (Start: 101 @48863 has 1 MA's), (132, 49025), (147, 49112), (153, 49142), (207, 49397),

Gene: Constella_127 Start: 72376, Stop: 72915, Start Num: 104

Candidate Starts for Constella_127:

(Start: 104 @72376 has 27 MA's), (Start: 108 @72406 has 40 MA's), (130, 72520), (134, 72535), (142, 72592), (147, 72613), (154, 72646), (158, 72661), (161, 72673), (170, 72718), (194, 72841), (202, 72880), (210, 72898),

Gene: Contagion_94 Start: 57617, Stop: 58159, Start Num: 99

Candidate Starts for Contagion_94:

(Start: 99 @57617 has 94 MA's), (Start: 108 @57653 has 40 MA's), (131, 57773), (138, 57812), (172, 57992), (205, 58145),

Gene: Cookies_95 Start: 57596, Stop: 58138, Start Num: 99

Candidate Starts for Cookies_95:

(Start: 99 @57596 has 94 MA's), (Start: 108 @57632 has 40 MA's), (131, 57752), (138, 57791), (172, 57971), (205, 58124),

Gene: Coriander_64 Start: 42778, Stop: 43434, Start Num: 81

Candidate Starts for Coriander_64:

(Start: 79 @42775 has 8 MA's), (Start: 81 @42778 has 1 MA's), (132, 43033), (137, 43057), (140, 43075), (144, 43111), (147, 43120), (148, 43135), (161, 43177), (173, 43249), (189, 43324), (193, 43345), (199, 43369), (208, 43405),

Gene: Cornucopia_93 Start: 50126, Stop: 50764, Start Num: 68

Candidate Starts for Cornucopia_93:

(Start: 68 @50126 has 83 MA's), (87, 50177), (118, 50348), (177, 50573), (185, 50603), (189, 50621), (203, 50708),

Gene: Courthouse_128 Start: 69263, Stop: 69811, Start Num: 98

Candidate Starts for Courthouse_128:

(Start: 98 @69263 has 14 MA's), (114, 69344), (130, 69425), (146, 69512), (158, 69566), (160, 69575), (161, 69578), (168, 69608), (175, 69662),

Gene: Crossroads_84 Start: 54993, Stop: 55559, Start Num: 97

Candidate Starts for Crossroads_84:

(Start: 97 @54993 has 65 MA's), (110, 55059), (127, 55140), (134, 55164), (149, 55263), (150, 55266), (158, 55290), (175, 55386), (188, 55446), (206, 55527),

Gene: CrystalP_97 Start: 58438, Stop: 58980, Start Num: 99

Candidate Starts for CrystalP_97:

(Start: 99 @58438 has 94 MA's), (Start: 108 @58474 has 40 MA's), (131, 58594), (138, 58633), (172, 58813), (205, 58966),

Gene: Czyszczone1_99 Start: 58320, Stop: 58856, Start Num: 99

Candidate Starts for Czyszczone1_99:

(Start: 99 @58320 has 94 MA's), (Start: 108 @58356 has 40 MA's), (131, 58476), (138, 58515), (172, 58695), (183, 58749), (185, 58758), (187, 58764), (188, 58770), (191, 58782), (198, 58812), (207, 58848),

Gene: DLane_93 Start: 53029, Stop: 53670, Start Num: 68

Candidate Starts for DLane_93:

(Start: 68 @53029 has 83 MA's), (Start: 79 @53059 has 8 MA's), (87, 53086), (120, 53260), (177, 53482), (185, 53512), (189, 53530), (203, 53617),

Gene: DS6A_89 Start: 56826, Stop: 57761, Start Num: 45

Candidate Starts for DS6A_89:

(7, 56544), (41, 56808), (Start: 45 @56826 has 1 MA's), (Start: 60 @56934 has 1 MA's), (94, 57069), (Start: 99 @57099 has 94 MA's), (107, 57141), (117, 57213), (123, 57237), (125, 57249), (133, 57285), (136, 57300), (152, 57396), (156, 57405), (179, 57540), (181, 57543), (184, 57570), (185, 57573), (191, 57612), (201, 57678), (212, 57717), (213, 57720), (214, 57735), (216, 57750),

Gene: DaWorst_93 Start: 51942, Stop: 52580, Start Num: 68

Candidate Starts for DaWorst_93:

(Start: 68 @51942 has 83 MA's), (87, 51993), (118, 52164), (177, 52389), (185, 52419), (189, 52437), (203, 52524),

Gene: DaddyRickover_95 Start: 52823, Stop: 53446, Start Num: 74

Candidate Starts for DaddyRickover_95:

(56, 52760), (59, 52769), (Start: 72 @52820 has 8 MA's), (Start: 74 @52823 has 1 MA's), (Start: 79 @52835 has 8 MA's), (87, 52862), (120, 53036), (177, 53258), (185, 53288), (189, 53306), (203, 53393),

Gene: Daenerys_91 Start: 52971, Stop: 53615, Start Num: 68

Candidate Starts for Daenerys_91:

(Start: 68 @52971 has 83 MA's), (87, 53028), (118, 53199), (177, 53424), (185, 53454), (189, 53472), (203, 53559),

Gene: Daikon_99 Start: 58384, Stop: 58884, Start Num: 108

Candidate Starts for Daikon_99:

(Start: 99 @58348 has 94 MA's), (Start: 108 @58384 has 40 MA's), (131, 58504), (138, 58543), (172, 58723), (183, 58777), (185, 58786), (187, 58792), (188, 58798), (191, 58810), (198, 58840), (207, 58876),

Gene: Dallas_134 Start: 73190, Stop: 73729, Start Num: 104

Candidate Starts for Dallas_134:

(Start: 104 @73190 has 27 MA's), (Start: 108 @73220 has 40 MA's), (130, 73334), (134, 73349), (142, 73406), (147, 73427), (154, 73460), (168, 73517), (194, 73655), (202, 73694), (210, 73712),

Gene: DanBing_84 Start: 54723, Stop: 55289, Start Num: 97

Candidate Starts for DanBing_84:

(Start: 97 @54723 has 65 MA's), (113, 54798), (127, 54870), (134, 54894), (135, 54906), (142, 54951), (149, 54993), (165, 55050), (166, 55056), (175, 55116), (188, 55176), (206, 55257),

Gene: DeadP_94 Start: 50840, Stop: 51451, Start Num: 79

Candidate Starts for DeadP_94:

(56, 50765), (59, 50774), (Start: 72 @50825 has 8 MA's), (Start: 74 @50828 has 1 MA's), (Start: 79 @50840 has 8 MA's), (87, 50867), (120, 51041), (177, 51263), (185, 51293), (189, 51311), (203, 51398),

Gene: Deb65_86 Start: 50695, Stop: 51339, Start Num: 68

Candidate Starts for Deb65_86:

(Start: 68 @50695 has 83 MA's), (87, 50752), (118, 50923), (177, 51148), (185, 51178), (189, 51196), (203, 51283),

Gene: Dillpickles_79 Start: 47990, Stop: 48664, Start Num: 75

Candidate Starts for Dillpickles_79:

(Start: 75 @47990 has 52 MA's), (Start: 79 @47999 has 8 MA's), (132, 48260), (147, 48344), (153, 48374), (207, 48629),

Gene: DirkDirk_78 Start: 52157, Stop: 52723, Start Num: 97

Candidate Starts for DirkDirk_78:

(Start: 97 @52157 has 65 MA's), (Start: 108 @52196 has 40 MA's), (Start: 112 @52229 has 2 MA's), (134, 52328), (135, 52340), (139, 52355), (149, 52427), (158, 52454), (166, 52490), (175, 52550), (188, 52610), (206, 52691),

Gene: DirtMcgirt_94 Start: 49458, Stop: 50096, Start Num: 68

Candidate Starts for DirtMcgirt_94:

(Start: 68 @49458 has 83 MA's), (87, 49509), (118, 49680), (177, 49905), (185, 49935), (189, 49953), (203, 50040),

Gene: DirtyBoi_66 Start: 42349, Stop: 43077, Start Num: 61

Candidate Starts for DirtyBoi_66:

(Start: 61 @42349 has 1 MA's), (64, 42367), (Start: 66 @42370 has 11 MA's), (Start: 72 @42397 has 8 MA's), (91, 42460), (132, 42676), (137, 42700), (140, 42718), (147, 42763), (148, 42778), (161, 42820), (173, 42892), (185, 42949), (189, 42967), (193, 42988), (199, 43012), (208, 43048),

Gene: Dmitri_61 Start: 44300, Stop: 44980, Start Num: 72

Candidate Starts for Dmitri_61:

(Start: 72 @44300 has 8 MA's), (76, 44312), (85, 44339), (109, 44459), (132, 44579), (137, 44603), (140, 44621), (147, 44666), (161, 44723), (173, 44795), (189, 44870), (193, 44891), (199, 44915), (208, 44951),

Gene: DmpstrDiver_133 Start: 72537, Stop: 73076, Start Num: 104

Candidate Starts for DmpstrDiver_133:

(Start: 104 @72537 has 27 MA's), (Start: 108 @72567 has 40 MA's), (130, 72681), (134, 72696), (142, 72753), (147, 72774), (154, 72807), (158, 72822), (161, 72834), (194, 73002), (202, 73041),

Gene: DoRead_95 Start: 50267, Stop: 50911, Start Num: 68

Candidate Starts for DoRead_95:

(Start: 68 @50267 has 83 MA's), (87, 50324), (118, 50495), (177, 50720), (185, 50750), (189, 50768),

Gene: DoctorDiddles_97 Start: 57783, Stop: 58319, Start Num: 99

Candidate Starts for DoctorDiddles_97:

(Start: 99 @57783 has 94 MA's), (Start: 108 @57819 has 40 MA's), (131, 57939), (138, 57978), (172, 58158), (183, 58212), (185, 58221), (187, 58227), (188, 58233), (191, 58245), (198, 58275), (207, 58311),

Gene: Doggs_62 Start: 43922, Stop: 44629, Start Num: 66

Candidate Starts for Doggs_62:

(63, 43913), (64, 43919), (Start: 66 @43922 has 11 MA's), (Start: 72 @43949 has 8 MA's), (85, 43988), (132, 44228), (137, 44252), (140, 44270), (144, 44306), (147, 44315), (148, 44330), (161, 44372), (173, 44444), (189, 44519), (193, 44540), (199, 44564), (208, 44600),

Gene: Dolores_75 Start: 45050, Stop: 45724, Start Num: 75

Candidate Starts for Dolores_75:

(47, 44942), (Start: 75 @45050 has 52 MA's), (Start: 79 @45059 has 8 MA's), (132, 45320), (140, 45359), (141, 45365), (147, 45404), (153, 45434), (183, 45587), (207, 45689),

Gene: Doomphist_98 Start: 53625, Stop: 54266, Start Num: 68

Candidate Starts for Doomphist_98:

(Start: 68 @53625 has 83 MA's), (Start: 79 @53655 has 8 MA's), (87, 53682), (120, 53856), (177, 54078), (185, 54108), (189, 54126), (203, 54213),

Gene: Dorito_68 Start: 43725, Stop: 44402, Start Num: 75

Candidate Starts for Dorito_68:

(47, 43617), (Start: 75 @43725 has 52 MA's), (Start: 79 @43734 has 8 MA's), (132, 43995), (147, 44082), (153, 44112), (207, 44367),

Gene: Dorothy_94 Start: 53800, Stop: 54435, Start Num: 68

Candidate Starts for Dorothy_94:

(Start: 68 @53800 has 83 MA's), (87, 53851), (118, 54022), (177, 54247), (185, 54277), (189, 54295), (203, 54382),

Gene: DotProduct_87 Start: 49809, Stop: 50453, Start Num: 68

Candidate Starts for DotProduct_87:

(Start: 68 @49809 has 83 MA's), (87, 49866), (118, 50037), (177, 50262), (185, 50292), (189, 50310), (203, 50397),

Gene: Douge_82 Start: 53266, Stop: 53835, Start Num: 97

Candidate Starts for Douge_82:

(Start: 97 @53266 has 65 MA's), (115, 53350), (127, 53413), (134, 53437), (135, 53449), (158, 53563), (175, 53659), (183, 53698), (185, 53707), (188, 53719),

Gene: Douzhi_82 Start: 53585, Stop: 54064, Start Num: 115

Candidate Starts for Douzhi_82:

(Start: 97 @53501 has 65 MA's), (115, 53585), (127, 53648), (134, 53672), (158, 53798), (175, 53894), (183, 53933), (206, 54035),

Gene: Dove_119 Start: 68136, Stop: 68675, Start Num: 104

Candidate Starts for Dove_119:

(Start: 104 @68136 has 27 MA's), (Start: 108 @68166 has 40 MA's), (130, 68280), (134, 68295), (142, 68352), (147, 68373), (154, 68406), (168, 68463), (194, 68601), (202, 68640),

Gene: DrDrey_98 Start: 58918, Stop: 59460, Start Num: 99

Candidate Starts for DrDrey_98:

(Start: 99 @58918 has 94 MA's), (Start: 108 @58954 has 40 MA's), (131, 59074), (138, 59113), (172, 59293), (205, 59446),

Gene: DrSeegs_84 Start: 54918, Stop: 55484, Start Num: 97

Candidate Starts for DrSeegs_84:

(Start: 97 @54918 has 65 MA's), (110, 54984), (127, 55065), (134, 55089), (150, 55191), (158, 55215), (175, 55311), (188, 55371), (206, 55452),

Gene: Drago_92 Start: 49461, Stop: 50099, Start Num: 68

Candidate Starts for Drago_92:

(Start: 68 @49461 has 83 MA's), (87, 49512), (118, 49683), (177, 49908), (185, 49938), (189, 49956), (203, 50043),

Gene: Duke13_128 Start: 69838, Stop: 70377, Start Num: 104

Candidate Starts for Duke13_128:

(Start: 104 @69838 has 27 MA's), (Start: 108 @69868 has 40 MA's), (130, 69982), (134, 69997), (142, 70054), (147, 70075), (154, 70108), (168, 70165), (194, 70303), (202, 70342),

Gene: Dumbo_98 Start: 57719, Stop: 58261, Start Num: 99

Candidate Starts for Dumbo_98:

(Start: 99 @57719 has 94 MA's), (Start: 108 @57755 has 40 MA's), (131, 57875), (138, 57914), (172, 58094), (205, 58247),

Gene: DuncansLeg_83 Start: 54872, Stop: 55432, Start Num: 100

Candidate Starts for DuncansLeg_83:

(Start: 95 @54848 has 1 MA's), (Start: 100 @54872 has 8 MA's), (Start: 111 @54935 has 2 MA's), (116, 54965), (127, 55013), (143, 55103), (149, 55139), (154, 55151), (158, 55166), (168, 55208),

(170, 55223), (175, 55262), (195, 55361),

Gene: Dusk_95 Start: 57737, Stop: 58243, Start Num: 108

Candidate Starts for Dusk_95:

(Start: 99 @57701 has 94 MA's), (Start: 108 @57737 has 40 MA's), (131, 57857), (138, 57896), (172, 58076), (205, 58229),

Gene: DyoEdafos_86 Start: 54173, Stop: 54739, Start Num: 97

Candidate Starts for DyoEdafos_86:

(Start: 97 @54173 has 65 MA's), (134, 54344), (135, 54356), (165, 54500), (175, 54566), (183, 54605), (206, 54707),

Gene: EMSquaredA_76 Start: 48772, Stop: 49449, Start Num: 75

Candidate Starts for EMSquaredA_76:

(25, 48469), (27, 48499), (48, 48679), (Start: 75 @48772 has 52 MA's), (Start: 79 @48781 has 8 MA's), (132, 49042), (140, 49084), (141, 49090), (147, 49129), (153, 49159), (207, 49414),

Gene: Easley_72 Start: 44308, Stop: 44982, Start Num: 75

Candidate Starts for Easley_72:

(18, 43975), (47, 44200), (Start: 75 @44308 has 52 MA's), (Start: 79 @44317 has 8 MA's), (132, 44578), (140, 44617), (141, 44623), (147, 44662), (153, 44692), (183, 44845), (207, 44947),

Gene: Easy2Say_98 Start: 58828, Stop: 59328, Start Num: 108

Candidate Starts for Easy2Say_98:

(Start: 99 @58792 has 94 MA's), (Start: 108 @58828 has 40 MA's), (131, 58948), (138, 58987), (172, 59167), (183, 59221), (185, 59230), (187, 59236), (188, 59242), (191, 59254), (198, 59284), (207, 59320),

Gene: Eish_99 Start: 53255, Stop: 53899, Start Num: 68

Candidate Starts for Eish_99:

(Start: 68 @53255 has 83 MA's), (87, 53312), (118, 53483), (177, 53708), (185, 53738), (189, 53756),

Gene: Ejimix_127 Start: 73258, Stop: 73797, Start Num: 104

Candidate Starts for Ejimix_127:

(Start: 104 @73258 has 27 MA's), (Start: 108 @73288 has 40 MA's), (130, 73402), (134, 73417), (142, 73474), (147, 73495), (154, 73528), (168, 73585), (194, 73723), (202, 73762), (210, 73780),

Gene: Elite2014_97 Start: 57531, Stop: 58037, Start Num: 108

Candidate Starts for Elite2014_97:

(Start: 99 @57495 has 94 MA's), (Start: 108 @57531 has 40 MA's), (131, 57651), (138, 57690), (172, 57870), (205, 58023),

Gene: Ellson_82 Start: 55163, Stop: 55747, Start Num: 95

Candidate Starts for Ellson_82:

(Start: 95 @55163 has 1 MA's), (Start: 100 @55187 has 8 MA's), (Start: 111 @55250 has 2 MA's), (116, 55280), (127, 55328), (143, 55418), (149, 55454), (154, 55466), (158, 55481), (168, 55523), (170, 55538), (175, 55577), (195, 55676),

Gene: Elph10_98 Start: 57416, Stop: 57922, Start Num: 108

Candidate Starts for Elph10_98:

(Start: 99 @57380 has 94 MA's), (Start: 108 @57416 has 40 MA's), (131, 57536), (138, 57575), (172, 57755), (205, 57908),

Gene: EmiMonkey_82 Start: 53459, Stop: 54103, Start Num: 68
Candidate Starts for EmiMonkey_82:
(Start: 68 @53459 has 83 MA's), (87, 53516), (118, 53687), (177, 53912), (185, 53942), (189, 53960),

Gene: Emma_98 Start: 51313, Stop: 51954, Start Num: 68
Candidate Starts for Emma_98:
(Start: 68 @51313 has 83 MA's), (Start: 79 @51343 has 8 MA's), (87, 51370), (120, 51544), (177, 51766), (185, 51796), (189, 51814), (203, 51901),

Gene: Emmaloid_96 Start: 52230, Stop: 52874, Start Num: 68
Candidate Starts for Emmaloid_96:
(Start: 68 @52230 has 83 MA's), (Start: 79 @52260 has 8 MA's), (87, 52287), (120, 52461), (177, 52683), (185, 52713), (189, 52731), (203, 52818),

Gene: Emmina_98 Start: 57157, Stop: 57663, Start Num: 108
Candidate Starts for Emmina_98:
(Start: 99 @57121 has 94 MA's), (Start: 108 @57157 has 40 MA's), (131, 57277), (138, 57316), (172, 57496), (205, 57649),

Gene: Empress_93 Start: 51888, Stop: 52529, Start Num: 68
Candidate Starts for Empress_93:
(Start: 68 @51888 has 83 MA's), (Start: 79 @51918 has 8 MA's), (87, 51945), (120, 52119), (177, 52341), (185, 52371), (189, 52389), (203, 52476),

Gene: EnalisNailo_72 Start: 49264, Stop: 49941, Start Num: 75
Candidate Starts for EnalisNailo_72:
(25, 48961), (27, 48991), (48, 49171), (Start: 75 @49264 has 52 MA's), (Start: 79 @49273 has 8 MA's), (132, 49534), (140, 49576), (141, 49582), (147, 49621), (153, 49651), (207, 49906),

Gene: Enby_97 Start: 49737, Stop: 50375, Start Num: 68
Candidate Starts for Enby_97:
(Start: 68 @49737 has 83 MA's), (87, 49788), (118, 49959), (177, 50184), (185, 50214), (189, 50232), (203, 50319),

Gene: Enceladus_78 Start: 52934, Stop: 53500, Start Num: 97
Candidate Starts for Enceladus_78:
(Start: 97 @52934 has 65 MA's), (Start: 108 @52973 has 40 MA's), (Start: 112 @53006 has 2 MA's), (134, 53105), (135, 53117), (139, 53132), (149, 53204), (158, 53231), (166, 53267), (175, 53327), (188, 53387), (206, 53468),

Gene: Enzomatic_103 Start: 50856, Stop: 51536, Start Num: 58
Candidate Starts for Enzomatic_103:
(Start: 58 @50856 has 5 MA's), (Start: 60 @50865 has 1 MA's), (87, 50949), (118, 51120), (177, 51345), (185, 51375), (189, 51393),

Gene: EricMillard_125 Start: 71762, Stop: 72301, Start Num: 104
Candidate Starts for EricMillard_125:
(Start: 104 @71762 has 27 MA's), (Start: 108 @71792 has 40 MA's), (130, 71906), (134, 71921), (142, 71978), (147, 71999), (154, 72032), (168, 72089), (194, 72227), (202, 72266),

Gene: Estave1_101 Start: 55618, Stop: 56262, Start Num: 68
Candidate Starts for Estave1_101:
(Start: 68 @55618 has 83 MA's), (87, 55675), (118, 55846), (177, 56071), (185, 56101), (189, 56119),

Gene: Eudoria_74 Start: 47946, Stop: 48620, Start Num: 75

Candidate Starts for Eudoria_74:

(Start: 75 @47946 has 52 MA's), (Start: 79 @47955 has 8 MA's), (132, 48216), (147, 48300), (153, 48330), (207, 48585),

Gene: Eureka_97 Start: 58408, Stop: 58950, Start Num: 99

Candidate Starts for Eureka_97:

(Start: 99 @58408 has 94 MA's), (Start: 108 @58444 has 40 MA's), (131, 58564), (138, 58603), (172, 58783), (205, 58936),

Gene: Eviarto_78 Start: 50889, Stop: 51563, Start Num: 75

Candidate Starts for Eviarto_78:

(Start: 75 @50889 has 52 MA's), (Start: 79 @50898 has 8 MA's), (132, 51159), (147, 51243), (153, 51273), (207, 51528),

Gene: Eyes_63 Start: 45288, Stop: 45989, Start Num: 66

Candidate Starts for Eyes_63:

(39, 45141), (Start: 66 @45288 has 11 MA's), (71, 45312), (89, 45360), (93, 45387), (109, 45468), (124, 45552), (132, 45588), (137, 45612), (140, 45630), (141, 45636), (147, 45675), (149, 45696), (151, 45702), (153, 45705), (167, 45765), (169, 45774), (170, 45783), (183, 45852), (189, 45879), (199, 45924), (205, 45951), (208, 45960), (211, 45975),

Gene: FairyPath_99 Start: 58614, Stop: 59156, Start Num: 99

Candidate Starts for FairyPath_99:

(Start: 99 @58614 has 94 MA's), (Start: 108 @58650 has 40 MA's), (131, 58770), (138, 58809), (172, 58989), (205, 59142),

Gene: Faith1_84 Start: 54918, Stop: 55484, Start Num: 97

Candidate Starts for Faith1_84:

(Start: 97 @54918 has 65 MA's), (110, 54984), (127, 55065), (134, 55089), (150, 55191), (158, 55215), (175, 55311), (188, 55371), (206, 55452),

Gene: FarmResident_83 Start: 53309, Stop: 53803, Start Num: 111

Candidate Starts for FarmResident_83:

(Start: 97 @53240 has 65 MA's), (Start: 111 @53309 has 2 MA's), (115, 53324), (127, 53387), (134, 53411), (158, 53537), (180, 53651), (188, 53693), (206, 53774),

Gene: Fastidio_97 Start: 50201, Stop: 50845, Start Num: 68

Candidate Starts for Fastidio_97:

(Start: 68 @50201 has 83 MA's), (87, 50258), (118, 50429), (177, 50654), (185, 50684), (189, 50702), (203, 50789),

Gene: Filch_100 Start: 57693, Stop: 58235, Start Num: 99

Candidate Starts for Filch_100:

(Start: 99 @57693 has 94 MA's), (Start: 108 @57729 has 40 MA's), (131, 57849), (138, 57888), (172, 58068), (205, 58221),

Gene: Filuzino_93 Start: 53739, Stop: 54365, Start Num: 72

Candidate Starts for Filuzino_93:

(56, 53679), (59, 53688), (Start: 72 @53739 has 8 MA's), (Start: 74 @53742 has 1 MA's), (Start: 79 @53754 has 8 MA's), (87, 53781), (120, 53955), (177, 54177), (185, 54207), (189, 54225), (203, 54312),

Gene: Finemlucis_83 Start: 55392, Stop: 55946, Start Num: 97

Candidate Starts for Finemlucis_83:

(Start: 97 @55392 has 65 MA's), (Start: 111 @55461 has 2 MA's), (127, 55539), (134, 55563), (135, 55575), (149, 55662), (154, 55674), (158, 55689), (160, 55698), (175, 55785), (188, 55845), (196, 55890),

Gene: Finnry_82 Start: 54868, Stop: 55434, Start Num: 97

Candidate Starts for Finnry_82:

(Start: 97 @54868 has 65 MA's), (134, 55039), (143, 55105), (149, 55141), (154, 55153), (158, 55168), (168, 55210), (170, 55225), (175, 55264), (195, 55363),

Gene: FireRed_101 Start: 58612, Stop: 59118, Start Num: 108

Candidate Starts for FireRed_101:

(Start: 99 @58576 has 94 MA's), (Start: 108 @58612 has 40 MA's), (131, 58732), (138, 58771), (172, 58951), (205, 59104),

Gene: Floral_77 Start: 50729, Stop: 51406, Start Num: 75

Candidate Starts for Floral_77:

(25, 50426), (27, 50456), (48, 50636), (Start: 75 @50729 has 52 MA's), (Start: 79 @50738 has 8 MA's), (132, 50999), (140, 51041), (141, 51047), (147, 51086), (153, 51116), (207, 51371),

Gene: Florinda_105 Start: 54106, Stop: 54750, Start Num: 68

Candidate Starts for Florinda_105:

(Start: 68 @54106 has 83 MA's), (Start: 79 @54136 has 8 MA's), (87, 54163), (118, 54334), (177, 54559), (185, 54589), (189, 54607), (203, 54694),

Gene: Flypotenuse_94 Start: 57428, Stop: 57928, Start Num: 108

Candidate Starts for Flypotenuse_94:

(Start: 99 @57392 has 94 MA's), (Start: 108 @57428 has 40 MA's), (131, 57548), (138, 57587), (172, 57767), (183, 57821), (185, 57830), (187, 57836), (188, 57842), (191, 57854), (198, 57884), (207, 57920),

Gene: FoghornLeghorn_92 Start: 56133, Stop: 56633, Start Num: 108

Candidate Starts for FoghornLeghorn_92:

(Start: 99 @56097 has 94 MA's), (Start: 108 @56133 has 40 MA's), (131, 56253), (138, 56292), (172, 56472), (183, 56526), (185, 56535), (187, 56541), (188, 56547), (191, 56559), (198, 56589), (207, 56625),

Gene: Fruitloop_91 Start: 52881, Stop: 53507, Start Num: 72

Candidate Starts for Fruitloop_91:

(56, 52821), (59, 52830), (Start: 72 @52881 has 8 MA's), (Start: 74 @52884 has 1 MA's), (Start: 79 @52896 has 8 MA's), (87, 52923), (120, 53097), (177, 53319), (185, 53349), (189, 53367), (203, 53454),

Gene: GEazy_71 Start: 45244, Stop: 45945, Start Num: 66

Candidate Starts for GEazy_71:

(Start: 66 @45244 has 11 MA's), (71, 45268), (89, 45316), (91, 45331), (Start: 101 @45385 has 1 MA's), (109, 45424), (124, 45508), (132, 45544), (140, 45586), (141, 45592), (147, 45631), (149, 45652), (153, 45661), (155, 45667), (167, 45721), (169, 45730), (170, 45739), (183, 45808), (189, 45835), (199, 45880), (205, 45907), (207, 45913), (208, 45916), (211, 45931),

Gene: GUmbie_92 Start: 51823, Stop: 52467, Start Num: 68

Candidate Starts for GUmbie_92:

(Start: 68 @51823 has 83 MA's), (87, 51880), (118, 52051), (177, 52276), (185, 52306), (189, 52324), (203, 52411),

Gene: Gabriela_84 Start: 54264, Stop: 54830, Start Num: 97

Candidate Starts for Gabriela_84:

(Start: 97 @54264 has 65 MA's), (110, 54330), (127, 54411), (134, 54435), (150, 54537), (158, 54561), (175, 54657), (188, 54717), (206, 54798),

Gene: Gage_100 Start: 58499, Stop: 58999, Start Num: 108

Candidate Starts for Gage_100:

(Start: 99 @58463 has 94 MA's), (Start: 108 @58499 has 40 MA's), (131, 58619), (138, 58658), (172, 58838), (183, 58892), (185, 58901), (187, 58907), (188, 58913), (191, 58925), (198, 58955), (207, 58991),

Gene: Gaia_92 Start: 54832, Stop: 55401, Start Num: 101

Candidate Starts for Gaia_92:

(Start: 101 @54832 has 1 MA's), (121, 54949), (122, 54952), (139, 55030), (142, 55063), (143, 55069), (146, 55078), (147, 55084), (163, 55150), (174, 55219), (185, 55276), (200, 55330), (204, 55360),

Gene: Galactic_94 Start: 51390, Stop: 52070, Start Num: 58

Candidate Starts for Galactic_94:

(Start: 58 @51390 has 5 MA's), (Start: 60 @51399 has 1 MA's), (87, 51483), (118, 51654), (177, 51879), (185, 51909), (189, 51927),

Gene: Gardann_84 Start: 54753, Stop: 55319, Start Num: 97

Candidate Starts for Gardann_84:

(Start: 97 @54753 has 65 MA's), (110, 54819), (127, 54900), (134, 54924), (149, 55023), (150, 55026), (158, 55050), (175, 55146), (188, 55206), (206, 55287),

Gene: Gator_96 Start: 58284, Stop: 58784, Start Num: 108

Candidate Starts for Gator_96:

(Start: 99 @58248 has 94 MA's), (Start: 108 @58284 has 40 MA's), (131, 58404), (138, 58443), (172, 58623), (183, 58677), (185, 58686), (187, 58692), (188, 58698), (191, 58710), (198, 58740), (207, 58776),

Gene: Gemini_103 Start: 58842, Stop: 59378, Start Num: 99

Candidate Starts for Gemini_103:

(Start: 99 @58842 has 94 MA's), (Start: 108 @58878 has 40 MA's), (131, 58998), (138, 59037), (172, 59217), (183, 59271), (185, 59280), (187, 59286), (188, 59292), (191, 59304), (198, 59334), (207, 59370),

Gene: Geralt_86 Start: 50693, Stop: 51337, Start Num: 68

Candidate Starts for Geralt_86:

(Start: 68 @50693 has 83 MA's), (87, 50750), (118, 50921), (177, 51146), (185, 51176), (189, 51194), (203, 51281),

Gene: GigiOuiOui_88 Start: 50826, Stop: 51470, Start Num: 68

Candidate Starts for GigiOuiOui_88:

(Start: 68 @50826 has 83 MA's), (87, 50883), (118, 51054), (177, 51279), (185, 51309), (189, 51327), (203, 51414),

Gene: Girafales_102 Start: 53711, Stop: 54355, Start Num: 68

Candidate Starts for Girafales_102:

(Start: 68 @53711 has 83 MA's), (Start: 79 @53741 has 8 MA's), (87, 53768), (118, 53939), (177, 54164), (185, 54194), (189, 54212), (203, 54299),

Gene: Glexan_97 Start: 58522, Stop: 59058, Start Num: 99

Candidate Starts for Glexan_97:

(Start: 99 @58522 has 94 MA's), (Start: 108 @58558 has 40 MA's), (131, 58678), (138, 58717), (172, 58897), (183, 58951), (185, 58960), (187, 58966), (188, 58972), (191, 58984), (198, 59014), (207, 59050),

Gene: Goku_97 Start: 58173, Stop: 58679, Start Num: 108

Candidate Starts for Goku_97:

(Start: 99 @58137 has 94 MA's), (Start: 108 @58173 has 40 MA's), (131, 58293), (138, 58332), (172, 58512), (205, 58665),

Gene: GoldenSpark_102 Start: 58361, Stop: 58861, Start Num: 108

Candidate Starts for GoldenSpark_102:

(Start: 99 @58325 has 94 MA's), (Start: 108 @58361 has 40 MA's), (131, 58481), (138, 58520), (172, 58700), (183, 58754), (185, 58763), (187, 58769), (188, 58775), (191, 58787), (198, 58817), (207, 58853),

Gene: Goldilocks_101 Start: 57395, Stop: 57901, Start Num: 108

Candidate Starts for Goldilocks_101:

(Start: 99 @57359 has 94 MA's), (Start: 108 @57395 has 40 MA's), (131, 57515), (138, 57554), (172, 57734), (205, 57887),

Gene: Gonephishing_127 Start: 68906, Stop: 69454, Start Num: 98

Candidate Starts for Gonephishing_127:

(Start: 98 @68906 has 14 MA's), (114, 68987), (130, 69068), (146, 69155), (158, 69209), (161, 69221), (168, 69251), (175, 69305),

Gene: GooberAzure_101 Start: 58361, Stop: 58861, Start Num: 108

Candidate Starts for GooberAzure_101:

(Start: 99 @58325 has 94 MA's), (Start: 108 @58361 has 40 MA's), (131, 58481), (138, 58520), (172, 58700), (183, 58754), (185, 58763), (187, 58769), (188, 58775), (191, 58787), (198, 58817), (207, 58853),

Gene: Greep_102 Start: 59311, Stop: 59817, Start Num: 108

Candidate Starts for Greep_102:

(Start: 99 @59275 has 94 MA's), (Start: 108 @59311 has 40 MA's), (131, 59431), (138, 59470), (172, 59650), (205, 59803),

Gene: Grimmer_99 Start: 52372, Stop: 53052, Start Num: 58

Candidate Starts for Grimmer_99:

(Start: 58 @52372 has 5 MA's), (Start: 60 @52381 has 1 MA's), (87, 52465), (118, 52636), (177, 52861), (185, 52891), (189, 52909),

Gene: GuuelaD_82 Start: 54813, Stop: 55382, Start Num: 97

Candidate Starts for GuuelaD_82:

(Start: 97 @54813 has 65 MA's), (110, 54879), (127, 54960), (134, 54984), (149, 55083), (150, 55086), (158, 55110), (175, 55206), (185, 55254),

Gene: Hades_90 Start: 49413, Stop: 50057, Start Num: 68

Candidate Starts for Hades_90:

(Start: 68 @49413 has 83 MA's), (87, 49470), (118, 49641), (177, 49866), (185, 49896), (189, 49914),

Gene: Hafay_85 Start: 54923, Stop: 55414, Start Num: 113

Candidate Starts for Hafay_85:

(Start: 97 @54848 has 65 MA's), (113, 54923), (127, 54995), (134, 55019), (135, 55031), (149, 55118), (150, 55121), (158, 55145), (175, 55241), (188, 55301), (206, 55382),

Gene: Halena_79 Start: 52276, Stop: 52770, Start Num: 112

Candidate Starts for Halena_79:

(Start: 97 @52204 has 65 MA's), (Start: 108 @52243 has 40 MA's), (Start: 112 @52276 has 2 MA's), (134, 52375), (135, 52387), (139, 52402), (149, 52474), (158, 52501), (166, 52537), (175, 52597), (188, 52657), (206, 52738),

Gene: Halley_135 Start: 73574, Stop: 74113, Start Num: 104

Candidate Starts for Halley_135:

(Start: 104 @73574 has 27 MA's), (Start: 108 @73604 has 40 MA's), (130, 73718), (134, 73733), (142, 73790), (147, 73811), (154, 73844), (168, 73901), (194, 74039), (202, 74078), (210, 74096),

Gene: Hamulus_94 Start: 51783, Stop: 52418, Start Num: 70

Candidate Starts for Hamulus_94:

(Start: 70 @51783 has 1 MA's), (Start: 79 @51807 has 8 MA's), (87, 51834), (120, 52008), (177, 52230), (185, 52260), (189, 52278), (203, 52365),

Gene: HanKaySha_99 Start: 57889, Stop: 58431, Start Num: 99

Candidate Starts for HanKaySha_99:

(Start: 99 @57889 has 94 MA's), (Start: 108 @57925 has 40 MA's), (131, 58045), (138, 58084), (172, 58264), (205, 58417),

Gene: Hannaconda_126 Start: 69559, Stop: 70107, Start Num: 98

Candidate Starts for Hannaconda_126:

(Start: 98 @69559 has 14 MA's), (114, 69640), (130, 69721), (146, 69808), (158, 69862), (160, 69871), (161, 69874), (168, 69904), (175, 69958),

Gene: HannahD_68 Start: 44611, Stop: 45312, Start Num: 66

Candidate Starts for HannahD_68:

(Start: 66 @44611 has 11 MA's), (71, 44635), (89, 44683), (91, 44698), (Start: 101 @44752 has 1 MA's), (109, 44791), (124, 44875), (132, 44911), (140, 44953), (141, 44959), (147, 44998), (149, 45019), (153, 45028), (155, 45034), (167, 45088), (169, 45097), (170, 45106), (183, 45175), (189, 45202), (199, 45247), (205, 45274), (207, 45280), (208, 45283), (211, 45298),

Gene: Harella_98 Start: 59038, Stop: 59574, Start Num: 99

Candidate Starts for Harella_98:

(Start: 99 @59038 has 94 MA's), (Start: 108 @59074 has 40 MA's), (131, 59194), (138, 59233), (172, 59413), (183, 59467), (185, 59476), (187, 59482), (188, 59488), (191, 59500), (198, 59530), (207, 59566),

Gene: Harley_96 Start: 52957, Stop: 53601, Start Num: 68

Candidate Starts for Harley_96:

(Start: 68 @52957 has 83 MA's), (87, 53014), (118, 53185), (177, 53410), (185, 53440), (189, 53458),

Gene: Hedwig_68 Start: 43118, Stop: 43780, Start Num: 78

Candidate Starts for Hedwig_68:

(20, 42770), (22, 42779), (34, 42866), (38, 42917), (62, 43055), (Start: 78 @43118 has 2 MA's), (85, 43139), (105, 43223), (132, 43379), (137, 43403), (140, 43421), (144, 43457), (147, 43466), (148, 43481), (161, 43523), (173, 43595), (176, 43610), (185, 43652), (189, 43670), (193, 43691), (199, 43715), (208, 43751),

Gene: Hegedechwinu_100 Start: 52102, Stop: 52728, Start Num: 72

Candidate Starts for Hegedechwinu_100:

(56, 52042), (59, 52051), (Start: 72 @52102 has 8 MA's), (Start: 74 @52105 has 1 MA's), (Start: 79 @52117 has 8 MA's), (87, 52144), (120, 52318), (177, 52540), (185, 52570), (189, 52588), (203, 52675),

Gene: Henry_95 Start: 57743, Stop: 58285, Start Num: 99

Candidate Starts for Henry_95:

(Start: 99 @57743 has 94 MA's), (Start: 108 @57779 has 40 MA's), (131, 57899), (138, 57938), (172, 58118), (205, 58271),

Gene: Herod_78 Start: 51308, Stop: 51982, Start Num: 75

Candidate Starts for Herod_78:

(Start: 75 @51308 has 52 MA's), (Start: 79 @51317 has 8 MA's), (132, 51578), (147, 51662), (153, 51692), (207, 51947),

Gene: Hidrated_118 Start: 72157, Stop: 72696, Start Num: 104

Candidate Starts for Hidrated_118:

(Start: 104 @72157 has 27 MA's), (130, 72301), (134, 72316), (142, 72373), (147, 72394), (154, 72427), (158, 72442), (161, 72454), (194, 72622), (202, 72661), (210, 72679),

Gene: Highbury_96 Start: 57460, Stop: 58005, Start Num: 99

Candidate Starts for Highbury_96:

(Start: 99 @57460 has 94 MA's), (Start: 108 @57496 has 40 MA's), (131, 57616), (138, 57655), (172, 57835), (205, 57988),

Gene: Hiraya_84 Start: 54856, Stop: 55356, Start Num: 110

Candidate Starts for Hiraya_84:

(Start: 97 @54790 has 65 MA's), (110, 54856), (127, 54937), (134, 54961), (135, 54973), (149, 55060), (150, 55063), (158, 55087), (175, 55183), (188, 55243), (206, 55324),

Gene: HokkenD_125 Start: 72440, Stop: 72997, Start Num: 98

Candidate Starts for HokkenD_125:

(Start: 98 @72440 has 14 MA's), (114, 72521), (130, 72602), (146, 72689), (158, 72743), (160, 72752), (161, 72755), (168, 72785), (194, 72923), (202, 72962),

Gene: Holt_103 Start: 58739, Stop: 59275, Start Num: 99

Candidate Starts for Holt_103:

(Start: 99 @58739 has 94 MA's), (Start: 108 @58775 has 40 MA's), (131, 58895), (138, 58934), (172, 59114), (183, 59168), (185, 59177), (187, 59183), (188, 59189), (191, 59201), (198, 59231), (207, 59267),

Gene: Hoonter_101 Start: 58230, Stop: 58736, Start Num: 108

Candidate Starts for Hoonter_101:

(Start: 99 @58194 has 94 MA's), (Start: 108 @58230 has 40 MA's), (131, 58350), (138, 58389), (172, 58569), (205, 58722),

Gene: Hopey_99 Start: 58700, Stop: 59242, Start Num: 99

Candidate Starts for Hokey_99:

(Start: 99 @58700 has 94 MA's), (Start: 108 @58736 has 40 MA's), (131, 58856), (138, 58895), (172, 59075), (205, 59228),

Gene: HufflyPuff_100 Start: 58820, Stop: 59326, Start Num: 108

Candidate Starts for HufflyPuff_100:

(Start: 99 @58784 has 94 MA's), (Start: 108 @58820 has 40 MA's), (131, 58940), (138, 58979), (172, 59159), (205, 59312),

Gene: Hughesyang_133 Start: 73344, Stop: 73883, Start Num: 104

Candidate Starts for Hughesyang_133:

(Start: 104 @73344 has 27 MA's), (Start: 108 @73374 has 40 MA's), (130, 73488), (134, 73503), (142, 73560), (147, 73581), (154, 73614), (168, 73671), (194, 73809), (202, 73848),

Gene: Hugley_76 Start: 51288, Stop: 51962, Start Num: 75

Candidate Starts for Hugley_76:

(Start: 75 @51288 has 52 MA's), (Start: 79 @51297 has 8 MA's), (132, 51558), (147, 51642), (153, 51672), (207, 51927),

Gene: Hyzer_94 Start: 57961, Stop: 58632, Start Num: 75

Candidate Starts for Hyzer_94:

(Start: 75 @57961 has 52 MA's), (132, 58228), (147, 58312), (153, 58342), (169, 58411), (207, 58597),

Gene: IHOP_96 Start: 58041, Stop: 58577, Start Num: 99

Candidate Starts for IHOP_96:

(Start: 99 @58041 has 94 MA's), (Start: 108 @58077 has 40 MA's), (131, 58197), (138, 58236), (172, 58416), (183, 58470), (185, 58479), (187, 58485), (188, 58491), (191, 58503), (198, 58533), (207, 58569),

Gene: IMpilo_91 Start: 50431, Stop: 51072, Start Num: 68

Candidate Starts for IMpilo_91:

(Start: 68 @50431 has 83 MA's), (Start: 79 @50461 has 8 MA's), (87, 50488), (120, 50662), (177, 50884), (185, 50914), (189, 50932), (203, 51019),

Gene: IbOuu_84 Start: 49730, Stop: 50368, Start Num: 68

Candidate Starts for IbOuu_84:

(Start: 68 @49730 has 83 MA's), (87, 49781), (118, 49952), (177, 50177), (185, 50207), (189, 50225),

Gene: Ibhubesi_91 Start: 49826, Stop: 50470, Start Num: 68

Candidate Starts for Ibhubesi_91:

(Start: 68 @49826 has 83 MA's), (87, 49883), (118, 50054), (177, 50279), (185, 50309), (189, 50327),

Gene: Icee_99 Start: 57849, Stop: 58385, Start Num: 99

Candidate Starts for Icee_99:

(Start: 99 @57849 has 94 MA's), (Start: 108 @57885 has 40 MA's), (131, 58005), (138, 58044), (172, 58224), (183, 58278), (185, 58287), (187, 58293), (188, 58299), (191, 58311), (198, 58341), (207, 58377),

Gene: Inca_95 Start: 56566, Stop: 57066, Start Num: 108

Candidate Starts for Inca_95:

(Start: 99 @56530 has 94 MA's), (Start: 108 @56566 has 40 MA's), (131, 56686), (138, 56725), (172, 56905), (183, 56959), (185, 56968), (187, 56974), (188, 56980), (191, 56992), (198, 57022), (207, 57058),

Gene: Invectra_77 Start: 46880, Stop: 47554, Start Num: 75

Candidate Starts for Invectra_77:

(18, 46547), (47, 46772), (Start: 75 @46880 has 52 MA's), (Start: 79 @46889 has 8 MA's), (132, 47150), (140, 47189), (141, 47195), (147, 47234), (153, 47264), (183, 47417), (207, 47519),

Gene: Inventum_91 Start: 51985, Stop: 52623, Start Num: 68

Candidate Starts for Inventum_91:

(Start: 68 @51985 has 83 MA's), (87, 52036), (118, 52207), (177, 52432), (185, 52462), (189, 52480), (203, 52567),

Gene: IrishSherpFalk_93 Start: 52251, Stop: 52895, Start Num: 68

Candidate Starts for IrishSherpFalk_93:

(Start: 68 @52251 has 83 MA's), (87, 52308), (118, 52479), (177, 52704), (185, 52734), (189, 52752), (203, 52839),

Gene: Itos_84 Start: 53824, Stop: 54390, Start Num: 97

Candidate Starts for Itos_84:

(Start: 97 @53824 has 65 MA's), (110, 53890), (127, 53971), (134, 53995), (150, 54097), (158, 54121), (175, 54217), (188, 54277), (206, 54358),

Gene: Jant_99 Start: 51537, Stop: 52178, Start Num: 68

Candidate Starts for Jant_99:

(Start: 68 @51537 has 83 MA's), (Start: 79 @51567 has 8 MA's), (87, 51594), (120, 51768), (177, 51990), (185, 52020), (189, 52038), (203, 52125),

Gene: JeTaime_98 Start: 58624, Stop: 59160, Start Num: 99

Candidate Starts for JeTaime_98:

(Start: 99 @58624 has 94 MA's), (Start: 108 @58660 has 40 MA's), (131, 58780), (138, 58819), (172, 58999), (183, 59053), (185, 59062), (187, 59068), (188, 59074), (191, 59086), (198, 59116), (207, 59152),

Gene: Jecs_71 Start: 46805, Stop: 47506, Start Num: 66

Candidate Starts for Jecs_71:

(30, 46577), (31, 46592), (Start: 66 @46805 has 11 MA's), (71, 46829), (89, 46877), (Start: 101 @46946 has 1 MA's), (109, 46985), (124, 47069), (132, 47105), (137, 47129), (140, 47147), (141, 47153), (147, 47192), (148, 47207), (149, 47213), (153, 47222), (169, 47291), (170, 47300), (183, 47369), (189, 47396), (199, 47441), (205, 47468), (208, 47477), (211, 47492),

Gene: Jobypre_83 Start: 54853, Stop: 55413, Start Num: 100

Candidate Starts for Jobypre_83:

(Start: 95 @54829 has 1 MA's), (Start: 100 @54853 has 8 MA's), (Start: 111 @54916 has 2 MA's), (127, 54994), (143, 55084), (149, 55120), (154, 55132), (158, 55147), (168, 55189), (170, 55204), (175, 55243), (195, 55342),

Gene: JoeDirt_82 Start: 53532, Stop: 54098, Start Num: 97

Candidate Starts for JoeDirt_82:

(Start: 97 @53532 has 65 MA's), (Start: 108 @53571 has 40 MA's), (Start: 112 @53604 has 2 MA's), (134, 53703), (135, 53715), (139, 53730), (149, 53802), (158, 53829), (166, 53865), (175, 53925), (188, 53985), (206, 54066),

Gene: JoeyJr_96 Start: 53893, Stop: 54531, Start Num: 68

Candidate Starts for JoeyJr_96:

(Start: 68 @53893 has 83 MA's), (87, 53944), (118, 54115), (177, 54340), (185, 54370), (189, 54388), (203, 54475),

Gene: Jubie_82 Start: 54988, Stop: 55548, Start Num: 100

Candidate Starts for Jubie_82:

(Start: 95 @54964 has 1 MA's), (Start: 100 @54988 has 8 MA's), (Start: 111 @55051 has 2 MA's), (127, 55129), (143, 55219), (149, 55255), (154, 55267), (158, 55282), (168, 55324), (170, 55339), (175, 55378), (195, 55477),

Gene: Juice456_92 Start: 51599, Stop: 52243, Start Num: 68

Candidate Starts for Juice456_92:

(Start: 68 @51599 has 83 MA's), (87, 51656), (118, 51827), (177, 52052), (185, 52082), (189, 52100), (203, 52187),

Gene: JuicyJay_130 Start: 74859, Stop: 75398, Start Num: 104

Candidate Starts for JuicyJay_130:

(Start: 104 @74859 has 27 MA's), (Start: 108 @74889 has 40 MA's), (130, 75003), (134, 75018), (142, 75075), (147, 75096), (154, 75129), (168, 75186), (194, 75324), (202, 75363), (210, 75381),

Gene: Juniper1_87 Start: 50911, Stop: 51591, Start Num: 58

Candidate Starts for Juniper1_87:

(Start: 58 @50911 has 5 MA's), (Start: 60 @50920 has 1 MA's), (87, 51004), (118, 51175), (177, 51400), (185, 51430), (189, 51448),

Gene: Kahlid_84 Start: 54704, Stop: 55270, Start Num: 97

Candidate Starts for Kahlid_84:

(Start: 97 @54704 has 65 MA's), (110, 54770), (134, 54875), (149, 54974), (150, 54977), (158, 55001), (175, 55097), (188, 55157), (206, 55238),

Gene: Kalah2_124 Start: 72150, Stop: 72689, Start Num: 104

Candidate Starts for Kalah2_124:

(Start: 104 @72150 has 27 MA's), (Start: 108 @72180 has 40 MA's), (130, 72294), (134, 72309), (142, 72366), (147, 72387), (154, 72420), (168, 72477), (194, 72615), (202, 72654), (210, 72672),

Gene: Kanye_95 Start: 57946, Stop: 58488, Start Num: 99

Candidate Starts for Kanye_95:

(Start: 99 @57946 has 94 MA's), (Start: 108 @57982 has 40 MA's), (131, 58102), (138, 58141), (172, 58321), (205, 58474),

Gene: KashFlow_130 Start: 70994, Stop: 71542, Start Num: 98

Candidate Starts for KashFlow_130:

(Start: 98 @70994 has 14 MA's), (114, 71075), (130, 71156), (146, 71243), (158, 71297), (161, 71309), (168, 71339), (170, 71354), (175, 71393),

Gene: Kenuha5_86 Start: 51623, Stop: 52249, Start Num: 72

Candidate Starts for Kenuha5_86:

(56, 51563), (59, 51572), (Start: 72 @51623 has 8 MA's), (Start: 74 @51626 has 1 MA's), (Start: 79 @51638 has 8 MA's), (87, 51665), (120, 51839), (177, 52061), (185, 52091), (189, 52109), (203, 52196),

Gene: Kiko_63 Start: 42578, Stop: 43237, Start Num: 80

Candidate Starts for Kiko_63:

(57, 42497), (67, 42533), (69, 42545), (77, 42572), (Start: 80 @42578 has 1 MA's), (Start: 101 @42674 has 1 MA's), (137, 42860), (140, 42878), (147, 42923), (148, 42938), (157, 42959), (161, 42980), (173, 43052), (182, 43091), (189, 43127), (193, 43148), (199, 43172), (208, 43208),

Gene: Kimberlium_95 Start: 51699, Stop: 52343, Start Num: 68

Candidate Starts for Kimberlium_95:

(Start: 68 @51699 has 83 MA's), (87, 51756), (118, 51927), (177, 52152), (185, 52182), (189, 52200), (203, 52287),

Gene: Kimchi_102 Start: 58466, Stop: 59002, Start Num: 99

Candidate Starts for Kimchi_102:

(Start: 99 @58466 has 94 MA's), (Start: 108 @58502 has 40 MA's), (131, 58622), (138, 58661), (172, 58841), (183, 58895), (185, 58904), (187, 58910), (188, 58916), (191, 58928), (198, 58958), (207, 58994),

Gene: KingMidas_93 Start: 52119, Stop: 52760, Start Num: 68

Candidate Starts for KingMidas_93:

(Start: 68 @52119 has 83 MA's), (Start: 79 @52149 has 8 MA's), (87, 52176), (120, 52350), (177, 52572), (185, 52602), (189, 52620), (203, 52707),

Gene: Kingsolomon_80 Start: 54624, Stop: 55190, Start Num: 97

Candidate Starts for Kingsolomon_80:

(Start: 97 @54624 has 65 MA's), (134, 54795), (143, 54861), (149, 54897), (154, 54909), (158, 54924), (168, 54966), (170, 54981), (175, 55020), (195, 55119),

Gene: KirDoubleO7_81 Start: 54850, Stop: 55434, Start Num: 95

Candidate Starts for KirDoubleO7_81:

(Start: 95 @54850 has 1 MA's), (Start: 100 @54874 has 8 MA's), (Start: 111 @54937 has 2 MA's), (116, 54967), (127, 55015), (143, 55105), (149, 55141), (154, 55153), (158, 55168), (168, 55210), (170, 55225), (175, 55264), (195, 55363),

Gene: Kita_75 Start: 47955, Stop: 48629, Start Num: 75

Candidate Starts for Kita_75:

(Start: 75 @47955 has 52 MA's), (Start: 79 @47964 has 8 MA's), (132, 48225), (147, 48309), (153, 48339), (207, 48594),

Gene: Klein_130 Start: 70495, Stop: 71034, Start Num: 104

Candidate Starts for Klein_130:

(Start: 104 @70495 has 27 MA's), (Start: 108 @70525 has 40 MA's), (130, 70639), (134, 70654), (142, 70711), (147, 70732), (154, 70765), (168, 70822), (194, 70960), (202, 70999),

Gene: Kostya_98 Start: 58179, Stop: 58679, Start Num: 108

Candidate Starts for Kostya_98:

(Start: 99 @58143 has 94 MA's), (Start: 108 @58179 has 40 MA's), (131, 58299), (138, 58338), (172, 58518), (183, 58572), (185, 58581), (187, 58587), (188, 58593), (191, 58605), (198, 58635), (207, 58671),

Gene: KristaRAM_97 Start: 52508, Stop: 53104, Start Num: 73

Candidate Starts for KristaRAM_97:

(Start: 73 @52508 has 1 MA's), (87, 52544), (203, 53057), (207, 53066), (209, 53072),

Gene: Kropertea_79 Start: 53449, Stop: 54015, Start Num: 97

Candidate Starts for Kropertea_79:

(Start: 97 @53449 has 65 MA's), (134, 53620), (135, 53632), (165, 53776), (175, 53842), (183, 53881), (206, 53983),

Gene: Krypton555_83 Start: 54893, Stop: 55459, Start Num: 97

Candidate Starts for Krypton555_83:

(Start: 97 @54893 has 65 MA's), (127, 55040), (143, 55130), (149, 55166), (154, 55178), (158, 55193), (168, 55235), (170, 55250), (175, 55289), (195, 55388),

Gene: LeBron_80 Start: 52203, Stop: 52769, Start Num: 97

Candidate Starts for LeBron_80:

(Start: 97 @52203 has 65 MA's), (Start: 108 @52242 has 40 MA's), (Start: 112 @52275 has 2 MA's), (134, 52374), (135, 52386), (139, 52401), (149, 52473), (158, 52500), (166, 52536), (175, 52596), (188, 52656), (206, 52737),

Gene: Leperchaun_95 Start: 53127, Stop: 53765, Start Num: 68

Candidate Starts for Leperchaun_95:

(Start: 68 @53127 has 83 MA's), (87, 53178), (118, 53349), (177, 53574), (185, 53604), (189, 53622), (203, 53709),

Gene: Lewan_85 Start: 54759, Stop: 55325, Start Num: 97

Candidate Starts for Lewan_85:

(Start: 97 @54759 has 65 MA's), (110, 54825), (127, 54906), (134, 54930), (150, 55032), (158, 55056), (175, 55152), (188, 55212), (206, 55293),

Gene: LilDestine_83 Start: 54608, Stop: 55174, Start Num: 97

Candidate Starts for LilDestine_83:

(Start: 97 @54608 has 65 MA's), (134, 54779), (149, 54878), (150, 54881), (158, 54905), (175, 55001), (188, 55061), (206, 55142),

Gene: Lilac_100 Start: 57898, Stop: 58404, Start Num: 108

Candidate Starts for Lilac_100:

(Start: 99 @57862 has 94 MA's), (Start: 108 @57898 has 40 MA's), (131, 58018), (138, 58057), (172, 58237), (205, 58390),

Gene: Lilas_73 Start: 50802, Stop: 51479, Start Num: 75

Candidate Starts for Lilas_73:

(25, 50499), (27, 50529), (48, 50709), (Start: 75 @50802 has 52 MA's), (Start: 79 @50811 has 8 MA's), (132, 51072), (140, 51114), (141, 51120), (147, 51159), (153, 51189), (207, 51444),

Gene: Lilizi_99 Start: 57928, Stop: 58470, Start Num: 99

Candidate Starts for Lilizi_99:

(Start: 99 @57928 has 94 MA's), (Start: 108 @57964 has 40 MA's), (131, 58084), (138, 58123), (172, 58303), (205, 58456),

Gene: Lilpickle_97 Start: 57531, Stop: 58037, Start Num: 108

Candidate Starts for Lilpickle_97:

(Start: 99 @57495 has 94 MA's), (Start: 108 @57531 has 40 MA's), (131, 57651), (138, 57690), (172, 57870), (205, 58023),

Gene: LittleE_135 Start: 72248, Stop: 72796, Start Num: 98

Candidate Starts for LittleE_135:

(Start: 98 @72248 has 14 MA's), (114, 72329), (130, 72410), (146, 72497), (158, 72551), (161, 72563), (168, 72593), (170, 72608), (175, 72647),

Gene: LittleShirley_101 Start: 53432, Stop: 54073, Start Num: 68

Candidate Starts for LittleShirley_101:

(Start: 68 @53432 has 83 MA's), (Start: 79 @53462 has 8 MA's), (87, 53489), (120, 53663), (177, 53885), (185, 53915), (189, 53933), (203, 54020),

Gene: Liveloughbron_99 Start: 58935, Stop: 59477, Start Num: 99

Candidate Starts for Liveloughbron_99:

(Start: 99 @58935 has 94 MA's), (Start: 108 @58971 has 40 MA's), (131, 59091), (138, 59130), (172, 59310), (205, 59463),

Gene: LiyuLake_82 Start: 54923, Stop: 55507, Start Num: 95

Candidate Starts for LiyuLake_82:

(Start: 95 @54923 has 1 MA's), (Start: 100 @54947 has 8 MA's), (Start: 111 @55010 has 2 MA's), (116, 55040), (127, 55088), (143, 55178), (149, 55214), (154, 55226), (158, 55241), (168, 55283), (170, 55298), (175, 55337), (195, 55436),

Gene: Loadrie_82 Start: 54783, Stop: 55349, Start Num: 97

Candidate Starts for Loadrie_82:

(Start: 97 @54783 has 65 MA's), (110, 54849), (127, 54930), (134, 54954), (149, 55053), (150, 55056), (158, 55080), (175, 55176), (188, 55236), (206, 55317),

Gene: Lolly9_81 Start: 54769, Stop: 55266, Start Num: 111

Candidate Starts for Lolly9_81:

(90, 54652), (Start: 97 @54700 has 65 MA's), (Start: 111 @54769 has 2 MA's), (120, 54808), (143, 54937), (150, 54976), (152, 54979), (158, 55000), (175, 55096), (195, 55195),

Gene: LonelyBoi_75 Start: 51902, Stop: 52579, Start Num: 75

Candidate Starts for LonelyBoi_75:

(48, 51809), (Start: 75 @51902 has 52 MA's), (Start: 79 @51911 has 8 MA's), (132, 52172), (140, 52214), (141, 52220), (147, 52259), (153, 52289), (159, 52310), (207, 52544),

Gene: Lorde_96 Start: 48902, Stop: 49540, Start Num: 68

Candidate Starts for Lorde_96:

(Start: 68 @48902 has 83 MA's), (87, 48953), (118, 49124), (177, 49349), (185, 49379), (189, 49397), (203, 49484),

Gene: Lucia_93 Start: 49750, Stop: 50388, Start Num: 68

Candidate Starts for Lucia_93:

(Start: 68 @49750 has 83 MA's), (87, 49801), (118, 49972), (177, 50197), (185, 50227), (189, 50245), (203, 50332),

Gene: Lucky2013_127 Start: 69124, Stop: 69672, Start Num: 98

Candidate Starts for Lucky2013_127:

(Start: 98 @69124 has 14 MA's), (114, 69205), (130, 69286), (146, 69373), (158, 69427), (161, 69439), (168, 69469), (175, 69523),

Gene: Lumos_83 Start: 54826, Stop: 55410, Start Num: 95

Candidate Starts for Lumos_83:

(Start: 95 @54826 has 1 MA's), (Start: 100 @54850 has 8 MA's), (Start: 111 @54913 has 2 MA's), (127, 54991), (143, 55081), (149, 55117), (154, 55129), (158, 55144), (168, 55186), (170, 55201), (175, 55240), (195, 55339),

Gene: LunaBlu_97 Start: 52885, Stop: 53556, Start Num: 60

Candidate Starts for LunaBlu_97:

(Start: 58 @52876 has 5 MA's), (Start: 60 @52885 has 1 MA's), (87, 52969), (118, 53140), (177, 53365), (185, 53395), (189, 53413),

Gene: Lynnae_86 Start: 54782, Stop: 55282, Start Num: 110

Candidate Starts for Lynnae_86:

(Start: 97 @54716 has 65 MA's), (110, 54782), (134, 54887), (149, 54986), (150, 54989), (158, 55013), (175, 55109), (188, 55169), (206, 55250),

Gene: MAckerman_80 Start: 52197, Stop: 52763, Start Num: 97

Candidate Starts for MAckerman_80:

(Start: 97 @52197 has 65 MA's), (Start: 108 @52236 has 40 MA's), (Start: 112 @52269 has 2 MA's), (134, 52368), (135, 52380), (139, 52395), (149, 52467), (158, 52494), (166, 52530), (175, 52590), (188, 52650), (206, 52731),

Gene: MISSy_99 Start: 58044, Stop: 58586, Start Num: 99

Candidate Starts for MISSy_99:

(Start: 99 @58044 has 94 MA's), (Start: 108 @58080 has 40 MA's), (131, 58200), (138, 58239), (172, 58419), (205, 58572),

Gene: MPhalcon_99 Start: 58037, Stop: 58579, Start Num: 99

Candidate Starts for MPhalcon_99:

(Start: 99 @58037 has 94 MA's), (Start: 108 @58073 has 40 MA's), (131, 58193), (138, 58232), (172, 58412), (205, 58565),

Gene: MadamMonkfish_98 Start: 57543, Stop: 58085, Start Num: 99

Candidate Starts for MadamMonkfish_98:

(Start: 99 @57543 has 94 MA's), (Start: 108 @57579 has 40 MA's), (131, 57699), (138, 57738), (172, 57918), (205, 58071),

Gene: Madavieve_74 Start: 49361, Stop: 50026, Start Num: 79

Candidate Starts for Madavieve_74:

(16, 49004), (19, 49022), (Start: 75 @49352 has 52 MA's), (Start: 79 @49361 has 8 MA's), (132, 49622), (147, 49706), (153, 49736), (207, 49991),

Gene: Madeline_71 Start: 49286, Stop: 49951, Start Num: 75

Candidate Starts for Madeline_71:

(Start: 75 @49286 has 52 MA's), (132, 49547), (147, 49631), (153, 49661), (207, 49916),

Gene: Madiba_92 Start: 51342, Stop: 51980, Start Num: 68

Candidate Starts for Madiba_92:

(Start: 68 @51342 has 83 MA's), (87, 51393), (118, 51564), (177, 51789), (185, 51819), (189, 51837), (203, 51924),

Gene: MagicMan_68 Start: 46114, Stop: 46815, Start Num: 66

Candidate Starts for MagicMan_68:

(30, 45886), (31, 45901), (Start: 66 @46114 has 11 MA's), (71, 46138), (89, 46186), (Start: 101 @46255 has 1 MA's), (109, 46294), (124, 46378), (132, 46414), (137, 46438), (140, 46456), (141, 46462), (147, 46501), (149, 46522), (153, 46531), (155, 46537), (167, 46591), (169, 46600), (170, 46609), (183, 46678), (189, 46705), (199, 46750), (205, 46777), (208, 46786), (211, 46801),

Gene: Mahavrat_89 Start: 49940, Stop: 50620, Start Num: 58

Candidate Starts for Mahavrat_89:

(Start: 58 @49940 has 5 MA's), (Start: 60 @49949 has 1 MA's), (87, 50033), (118, 50204), (177, 50429), (185, 50459), (189, 50477),

Gene: Manasvini_76 Start: 47970, Stop: 48644, Start Num: 75

Candidate Starts for Manasvini_76:

(Start: 75 @47970 has 52 MA's), (Start: 79 @47979 has 8 MA's), (132, 48240), (147, 48324), (153, 48354), (207, 48609),

Gene: Manda_100 Start: 59299, Stop: 59841, Start Num: 99

Candidate Starts for Manda_100:

(Start: 99 @59299 has 94 MA's), (Start: 108 @59335 has 40 MA's), (131, 59455), (138, 59494), (172, 59674), (205, 59827),

Gene: Maridalia_78 Start: 49232, Stop: 49906, Start Num: 75

Candidate Starts for Maridalia_78:

(16, 48884), (19, 48902), (Start: 75 @49232 has 52 MA's), (Start: 79 @49241 has 8 MA's), (132, 49502), (147, 49586), (153, 49616), (207, 49871),

Gene: Marleymoo_118 Start: 69570, Stop: 70109, Start Num: 104

Candidate Starts for Marleymoo_118:

(Start: 104 @69570 has 27 MA's), (Start: 108 @69600 has 40 MA's), (130, 69714), (134, 69729), (142, 69786), (147, 69807), (154, 69840), (158, 69855), (161, 69867), (194, 70035), (202, 70074),

Gene: Marshmallow_95 Start: 58663, Stop: 59199, Start Num: 99

Candidate Starts for Marshmallow_95:

(Start: 99 @58663 has 94 MA's), (Start: 108 @58699 has 40 MA's), (131, 58819), (138, 58858), (172, 59038), (183, 59092), (185, 59101), (187, 59107), (188, 59113), (191, 59125), (198, 59155), (207, 59191),

Gene: Marteena_75 Start: 48772, Stop: 49449, Start Num: 75

Candidate Starts for Marteena_75:

(25, 48469), (27, 48499), (48, 48679), (Start: 75 @48772 has 52 MA's), (Start: 79 @48781 has 8 MA's), (132, 49042), (140, 49084), (141, 49090), (147, 49129), (153, 49159), (207, 49414),

Gene: Maxxinista_100 Start: 58029, Stop: 58571, Start Num: 99

Candidate Starts for Maxxinista_100:

(Start: 99 @58029 has 94 MA's), (Start: 108 @58065 has 40 MA's), (131, 58185), (138, 58224), (172, 58404), (205, 58557),

Gene: Mbo4_61 Start: 43171, Stop: 43899, Start Num: 65

Candidate Starts for Mbo4_61:

(65, 43171), (106, 43351), (119, 43429), (123, 43447), (148, 43594), (178, 43741),

Gene: Mcklovin_73 Start: 50813, Stop: 51487, Start Num: 75

Candidate Starts for Mcklovin_73:

(47, 50705), (Start: 75 @50813 has 52 MA's), (Start: 79 @50822 has 8 MA's), (132, 51083), (140, 51122), (141, 51128), (147, 51167), (153, 51197), (207, 51452),

Gene: Medindi_98 Start: 53100, Stop: 53741, Start Num: 68

Candidate Starts for Medindi_98:

(Start: 68 @53100 has 83 MA's), (Start: 79 @53130 has 8 MA's), (87, 53157), (120, 53331), (177, 53553), (185, 53583), (189, 53601), (203, 53688),

Gene: MiaZeal_132 Start: 70263, Stop: 70811, Start Num: 98

Candidate Starts for MiaZeal_132:

(Start: 98 @70263 has 14 MA's), (114, 70344), (130, 70425), (146, 70512), (158, 70566), (161, 70578), (168, 70608), (170, 70623), (175, 70662),

Gene: MichaelScott_75 Start: 45988, Stop: 46662, Start Num: 75

Candidate Starts for MichaelScott_75:

(18, 45655), (47, 45880), (Start: 75 @45988 has 52 MA's), (Start: 79 @45997 has 8 MA's), (132, 46258), (140, 46297), (141, 46303), (147, 46342), (153, 46372), (183, 46525), (207, 46627),

Gene: Miley16_84 Start: 54918, Stop: 55484, Start Num: 97

Candidate Starts for Miley16_84:

(Start: 97 @54918 has 65 MA's), (110, 54984), (127, 55065), (134, 55089), (150, 55191), (158, 55215), (175, 55311), (188, 55371), (206, 55452),

Gene: MilleniumForce_93 Start: 52501, Stop: 53142, Start Num: 68

Candidate Starts for MilleniumForce_93:

(Start: 68 @52501 has 83 MA's), (Start: 79 @52531 has 8 MA's), (87, 52558), (120, 52732), (177, 52954), (185, 52984), (189, 53002), (203, 53089),

Gene: Mindy_97 Start: 57365, Stop: 57907, Start Num: 99

Candidate Starts for Mindy_97:

(Start: 99 @57365 has 94 MA's), (Start: 108 @57401 has 40 MA's), (131, 57521), (138, 57560), (172, 57740), (205, 57893),

Gene: Minerva_132 Start: 71945, Stop: 72484, Start Num: 104

Candidate Starts for Minerva_132:

(Start: 104 @71945 has 27 MA's), (Start: 108 @71975 has 40 MA's), (130, 72089), (134, 72104), (142, 72161), (147, 72182), (154, 72215), (168, 72272), (194, 72410), (202, 72449),

Gene: MiniLon_86 Start: 54701, Stop: 55267, Start Num: 97

Candidate Starts for MiniLon_86:

(90, 54653), (Start: 97 @54701 has 65 MA's), (Start: 111 @54770 has 2 MA's), (120, 54809), (143, 54938), (150, 54977), (152, 54980), (158, 55001), (175, 55097), (195, 55196),

Gene: MiniMac_86 Start: 54696, Stop: 55262, Start Num: 97

Candidate Starts for MiniMac_86:

(90, 54648), (Start: 97 @54696 has 65 MA's), (Start: 111 @54765 has 2 MA's), (120, 54804), (143, 54933), (150, 54972), (152, 54975), (158, 54996), (175, 55092), (195, 55191),

Gene: Miniwave_93 Start: 57539, Stop: 58081, Start Num: 99

Candidate Starts for Miniwave_93:

(Start: 99 @57539 has 94 MA's), (Start: 108 @57575 has 40 MA's), (131, 57695), (138, 57734), (172, 57914), (205, 58067),

Gene: Misfit_99 Start: 59334, Stop: 59876, Start Num: 99

Candidate Starts for Misfit_99:

(Start: 99 @59334 has 94 MA's), (Start: 108 @59370 has 40 MA's), (131, 59490), (138, 59529), (172, 59709), (205, 59862),

Gene: MkaliMitinis3_85 Start: 54767, Stop: 55333, Start Num: 97

Candidate Starts for MkaliMitinis3_85:

(Start: 97 @54767 has 65 MA's), (110, 54833), (127, 54914), (134, 54938), (149, 55037), (150, 55040), (154, 55049), (158, 55064), (175, 55160), (188, 55220), (206, 55301),

Gene: Moldemort_101 Start: 58001, Stop: 58543, Start Num: 99

Candidate Starts for Moldemort_101:

(Start: 99 @58001 has 94 MA's), (Start: 108 @58037 has 40 MA's), (131, 58157), (138, 58196), (172, 58376), (205, 58529),

Gene: Molivier_76 Start: 49851, Stop: 50351, Start Num: 110

Candidate Starts for Molivier_76:

(Start: 97 @49785 has 65 MA's), (110, 49851), (134, 49956), (149, 50055), (150, 50058), (158, 50082), (175, 50178), (188, 50238), (206, 50319),

Gene: MollyToe_93 Start: 56562, Stop: 57098, Start Num: 99

Candidate Starts for MollyToe_93:

(Start: 99 @56562 has 94 MA's), (Start: 108 @56598 has 40 MA's), (131, 56718), (138, 56757), (172, 56937), (183, 56991), (185, 57000), (187, 57006), (188, 57012), (191, 57024), (198, 57054), (207, 57090),

Gene: Moonbeam_96 Start: 52879, Stop: 53520, Start Num: 68

Candidate Starts for Moonbeam_96:

(Start: 68 @52879 has 83 MA's), (Start: 79 @52909 has 8 MA's), (87, 52936), (120, 53110), (177, 53332), (185, 53362), (189, 53380), (203, 53467),

Gene: Moonflower_63 Start: 43864, Stop: 44532, Start Num: 76

Candidate Starts for Moonflower_63:

(Start: 72 @43852 has 8 MA's), (76, 43864), (85, 43891), (132, 44131), (137, 44155), (140, 44173), (147, 44218), (161, 44275), (173, 44347), (189, 44422), (193, 44443), (199, 44467), (208, 44503),

Gene: Moostard_80 Start: 54619, Stop: 55185, Start Num: 97

Candidate Starts for Moostard_80:

(Start: 97 @54619 has 65 MA's), (134, 54790), (143, 54856), (149, 54892), (154, 54904), (158, 54919), (168, 54961), (170, 54976), (175, 55015), (195, 55114),

Gene: Mosby_94 Start: 57653, Stop: 58159, Start Num: 108

Candidate Starts for Mosby_94:

(Start: 99 @57617 has 94 MA's), (Start: 108 @57653 has 40 MA's), (131, 57773), (138, 57812), (172, 57992), (205, 58145),

Gene: Ms6_95 Start: 48665, Stop: 49306, Start Num: 68

Candidate Starts for Ms6_95:

(Start: 68 @48665 has 83 MA's), (Start: 79 @48695 has 8 MA's), (87, 48722), (120, 48896), (177, 49118), (185, 49148), (189, 49166), (203, 49253),

Gene: MsGreen_83 Start: 54852, Stop: 55412, Start Num: 100

Candidate Starts for MsGreen_83:

(Start: 95 @54828 has 1 MA's), (Start: 100 @54852 has 8 MA's), (Start: 111 @54915 has 2 MA's), (127, 54993), (143, 55083), (149, 55119), (154, 55131), (158, 55146), (168, 55188), (170, 55203), (175, 55242), (195, 55341),

Gene: MulchExplorer_93 Start: 51370, Stop: 52014, Start Num: 68

Candidate Starts for MulchExplorer_93:

(Start: 68 @51370 has 83 MA's), (87, 51427), (118, 51598), (177, 51823), (185, 51853), (189, 51871), (203, 51958),

Gene: Murica_101 Start: 59296, Stop: 59802, Start Num: 108

Candidate Starts for Murica_101:

(Start: 99 @59260 has 94 MA's), (Start: 108 @59296 has 40 MA's), (131, 59416), (138, 59455), (172, 59635), (205, 59788),

Gene: Murphy_98 Start: 58380, Stop: 58922, Start Num: 99

Candidate Starts for Murphy_98:

(Start: 99 @58380 has 94 MA's), (Start: 108 @58416 has 40 MA's), (131, 58536), (138, 58575), (172, 58755), (205, 58908),

Gene: Myrale_98 Start: 58823, Stop: 59359, Start Num: 99

Candidate Starts for Myrale_98:

(Start: 99 @58823 has 94 MA's), (Start: 108 @58859 has 40 MA's), (131, 58979), (138, 59018), (172, 59198), (183, 59252), (185, 59261), (187, 59267), (188, 59273), (191, 59285), (198, 59315), (207, 59351),

Gene: NaLuna_70 Start: 44683, Stop: 45312, Start Num: 89

Candidate Starts for NaLuna_70:

(Start: 66 @44611 has 11 MA's), (71, 44635), (89, 44683), (91, 44698), (Start: 101 @44752 has 1 MA's), (109, 44791), (124, 44875), (132, 44911), (140, 44953), (141, 44959), (147, 44998), (149, 45019), (153, 45028), (155, 45034), (167, 45088), (169, 45097), (170, 45106), (183, 45175), (189, 45202), (199, 45247), (205, 45274), (207, 45280), (208, 45283), (211, 45298),

Gene: Nala_100 Start: 58582, Stop: 59088, Start Num: 108

Candidate Starts for Nala_100:

(Start: 99 @58546 has 94 MA's), (Start: 108 @58582 has 40 MA's), (131, 58702), (138, 58741), (172, 58921), (205, 59074),

Gene: Nebkiss_91 Start: 53520, Stop: 54086, Start Num: 103

Candidate Starts for Nebkiss_91:

(Start: 101 @53517 has 1 MA's), (Start: 103 @53520 has 1 MA's), (121, 53634), (122, 53637), (139, 53715), (142, 53748), (143, 53754), (146, 53763), (147, 53769), (163, 53835), (174, 53904), (185, 53961), (197, 54012), (200, 54015), (204, 54045),

Gene: Nekros_135 Start: 73714, Stop: 74262, Start Num: 98

Candidate Starts for Nekros_135:

(Start: 98 @73714 has 14 MA's), (114, 73795), (130, 73876), (146, 73963), (158, 74017), (161, 74029), (168, 74059), (170, 74074), (175, 74113),

Gene: NelitzaMV_96 Start: 57585, Stop: 58121, Start Num: 99

Candidate Starts for NelitzaMV_96:

(Start: 99 @57585 has 94 MA's), (Start: 108 @57621 has 40 MA's), (131, 57741), (138, 57780), (172, 57960), (183, 58014), (185, 58023), (187, 58029), (188, 58035), (191, 58047), (198, 58077), (207, 58113),

Gene: Neobush_76 Start: 48514, Stop: 49188, Start Num: 75

Candidate Starts for Neobush_76:

(Start: 75 @48514 has 52 MA's), (Start: 79 @48523 has 8 MA's), (132, 48784), (147, 48868), (153, 48898), (207, 49153),

Gene: Netyap_85 Start: 54919, Stop: 55485, Start Num: 97

Candidate Starts for Netyap_85:

(Start: 97 @54919 has 65 MA's), (110, 54985), (127, 55066), (134, 55090), (150, 55192), (158, 55216), (175, 55312), (188, 55372), (206, 55453),

Gene: NewHope4_98 Start: 51002, Stop: 51682, Start Num: 58

Candidate Starts for NewHope4_98:

(Start: 58 @51002 has 5 MA's), (Start: 60 @51011 has 1 MA's), (87, 51095), (118, 51266), (177, 51491), (185, 51521), (189, 51539),

Gene: Nibley_129 Start: 70097, Stop: 70789, Start Num: 98

Candidate Starts for Nibley_129:

(Start: 98 @70097 has 14 MA's), (114, 70178), (130, 70259), (146, 70346), (158, 70400), (160, 70409), (161, 70412), (168, 70442), (175, 70496), (209, 70640), (215, 70685),

Gene: Nicholas_80 Start: 54624, Stop: 55190, Start Num: 97

Candidate Starts for Nicholas_80:

(Start: 97 @54624 has 65 MA's), (134, 54795), (143, 54861), (149, 54897), (154, 54909), (158, 54924), (168, 54966), (170, 54981), (175, 55020), (195, 55119),

Gene: Nicholasp3_84 Start: 54753, Stop: 55319, Start Num: 97

Candidate Starts for Nicholasp3_84:

(Start: 97 @54753 has 65 MA's), (110, 54819), (127, 54900), (134, 54924), (149, 55023), (150, 55026), (158, 55050), (175, 55146), (188, 55206), (206, 55287),

Gene: NihilNomen_135 Start: 72804, Stop: 73343, Start Num: 104

Candidate Starts for NihilNomen_135:

(Start: 104 @72804 has 27 MA's), (Start: 108 @72834 has 40 MA's), (130, 72948), (134, 72963), (142, 73020), (147, 73041), (154, 73074), (168, 73131), (194, 73269), (202, 73308), (210, 73326),

Gene: Nimbo_85 Start: 50695, Stop: 51339, Start Num: 68

Candidate Starts for Nimbo_85:

(Start: 68 @50695 has 83 MA's), (87, 50752), (118, 50923), (177, 51148), (185, 51178), (189, 51196), (203, 51283),

Gene: Nimrod_98 Start: 58790, Stop: 59326, Start Num: 99

Candidate Starts for Nimrod_98:

(Start: 99 @58790 has 94 MA's), (Start: 108 @58826 has 40 MA's), (131, 58946), (138, 58985), (172, 59165), (183, 59219), (185, 59228), (187, 59234), (188, 59240), (191, 59252), (198, 59282), (207, 59318),

Gene: NoSleep_99 Start: 57562, Stop: 58104, Start Num: 99

Candidate Starts for NoSleep_99:

(Start: 99 @57562 has 94 MA's), (Start: 108 @57598 has 40 MA's), (131, 57718), (138, 57757), (172, 57937), (205, 58090),

Gene: NonchalantPear_98 Start: 57418, Stop: 57954, Start Num: 99

Candidate Starts for NonchalantPear_98:

(Start: 99 @57418 has 94 MA's), (Start: 108 @57454 has 40 MA's), (131, 57574), (138, 57613), (172, 57793), (183, 57847), (185, 57856), (187, 57862), (188, 57868), (191, 57880), (198, 57910), (207, 57946),

Gene: Nymphadora_78 Start: 50922, Stop: 51587, Start Num: 79

Candidate Starts for Nymphadora_78:

(Start: 75 @50913 has 52 MA's), (Start: 79 @50922 has 8 MA's), (132, 51183), (147, 51267), (153, 51297), (207, 51552),

Gene: Odette_137 Start: 74357, Stop: 74914, Start Num: 98

Candidate Starts for Odette_137:

(Start: 98 @74357 has 14 MA's), (114, 74438), (130, 74519), (146, 74606), (158, 74660), (160, 74669), (161, 74672), (168, 74702), (194, 74840), (202, 74879),

Gene: Ogopogo_98 Start: 51343, Stop: 51966, Start Num: 68

Candidate Starts for Ogopogo_98:

(Start: 68 @51343 has 83 MA's), (87, 51400), (96, 51451), (120, 51577), (144, 51688), (171, 51772), (190, 51844),

Gene: OhShagHennessy_78 Start: 52235, Stop: 52792, Start Num: 97

Candidate Starts for OhShagHennessy_78:

(Start: 97 @52235 has 65 MA's), (Start: 108 @52274 has 40 MA's), (Start: 112 @52307 has 2 MA's), (134, 52406), (135, 52418), (139, 52433), (149, 52505), (158, 52532), (166, 52568), (175, 52628), (183, 52667), (206, 52769),

Gene: Ohgeesy_78 Start: 50455, Stop: 51129, Start Num: 75

Candidate Starts for Ohgeesy_78:

(Start: 75 @50455 has 52 MA's), (Start: 79 @50464 has 8 MA's), (132, 50725), (147, 50809), (153, 50839), (169, 50908), (207, 51094),

Gene: OldBen_90 Start: 52087, Stop: 52731, Start Num: 68

Candidate Starts for OldBen_90:

(Start: 68 @52087 has 83 MA's), (87, 52144), (118, 52315), (177, 52540), (185, 52570), (189, 52588), (203, 52675),

Gene: Omega_142 Start: 73929, Stop: 74477, Start Num: 98

Candidate Starts for Omega_142:

(Start: 98 @73929 has 14 MA's), (114, 74010), (130, 74091), (146, 74178), (158, 74232), (160, 74241), (161, 74244), (168, 74274), (175, 74328),

Gene: Opie_71 Start: 46229, Stop: 46930, Start Num: 66

Candidate Starts for Opie_71:

(30, 46001), (31, 46016), (Start: 66 @46229 has 11 MA's), (71, 46253), (89, 46301), (Start: 101 @46370 has 1 MA's), (109, 46409), (124, 46493), (132, 46529), (137, 46553), (140, 46571), (141, 46577), (147, 46616), (148, 46631), (153, 46646), (167, 46706), (169, 46715), (170, 46724), (176, 46766), (177, 46772), (183, 46793), (189, 46820), (199, 46865), (205, 46892), (208, 46901), (211, 46916),

Gene: Optimus_124 Start: 70341, Stop: 70880, Start Num: 104

Candidate Starts for Optimus_124:

(Start: 104 @70341 has 27 MA's), (Start: 108 @70371 has 40 MA's), (130, 70485), (134, 70500), (142, 70557), (147, 70578), (154, 70611), (168, 70668), (194, 70806), (202, 70845), (210, 70863),

Gene: Oregano_73 Start: 44851, Stop: 45516, Start Num: 79

Candidate Starts for Oregano_73:

(Start: 79 @44851 has 8 MA's), (132, 45112), (140, 45151), (141, 45157), (147, 45196), (153, 45226), (183, 45379), (207, 45481),

Gene: OrionPax_97 Start: 57670, Stop: 58176, Start Num: 108

Candidate Starts for OrionPax_97:

(Start: 99 @57634 has 94 MA's), (Start: 108 @57670 has 40 MA's), (131, 57790), (138, 57829), (172, 58009), (205, 58162),

Gene: Ovechkin_97 Start: 52925, Stop: 53569, Start Num: 68

Candidate Starts for Ovechkin_97:

(Start: 68 @52925 has 83 MA's), (87, 52982), (118, 53153), (177, 53378), (185, 53408), (189, 53426),

Gene: OverPar_85 Start: 54783, Stop: 55349, Start Num: 97

Candidate Starts for OverPar_85:

(Start: 97 @54783 has 65 MA's), (110, 54849), (127, 54930), (134, 54954), (149, 55053), (150, 55056), (158, 55080), (175, 55176), (188, 55236), (206, 55317),

Gene: PHappiness_93 Start: 52916, Stop: 53560, Start Num: 68

Candidate Starts for PHappiness_93:

(Start: 68 @52916 has 83 MA's), (87, 52973), (118, 53144), (177, 53369), (185, 53399), (189, 53417), (203, 53504),

Gene: PMC_92 Start: 51072, Stop: 51710, Start Num: 68

Candidate Starts for PMC_92:

(Start: 68 @51072 has 83 MA's), (87, 51123), (118, 51294), (177, 51519), (185, 51549), (189, 51567), (203, 51654),

Gene: PYPDinur_81 Start: 54005, Stop: 54499, Start Num: 111

Candidate Starts for PYPDinur_81:

(Start: 97 @53936 has 65 MA's), (Start: 111 @54005 has 2 MA's), (115, 54020), (127, 54083), (134, 54107), (135, 54119), (165, 54263), (166, 54269), (175, 54329), (183, 54368), (206, 54470),

Gene: PaddyBaddy_98 Start: 57789, Stop: 58295, Start Num: 108

Candidate Starts for PaddyBaddy_98:

(Start: 99 @57753 has 94 MA's), (Start: 108 @57789 has 40 MA's), (131, 57909), (138, 57948), (172, 58128), (205, 58281),

Gene: Palpatine_99 Start: 58831, Stop: 59373, Start Num: 99

Candidate Starts for Palpatine_99:

(Start: 99 @58831 has 94 MA's), (Start: 108 @58867 has 40 MA's), (131, 58987), (138, 59026), (172, 59206), (205, 59359),

Gene: PantheRoc_81 Start: 50657, Stop: 51322, Start Num: 75

Candidate Starts for PantheRoc_81:

(32, 50411), (Start: 75 @50657 has 52 MA's), (132, 50918), (147, 51002), (153, 51032), (207, 51287),

Gene: Paperbeatsrock_97 Start: 58253, Stop: 58759, Start Num: 108

Candidate Starts for Paperbeatsrock_97:

(Start: 99 @58217 has 94 MA's), (Start: 108 @58253 has 40 MA's), (131, 58373), (138, 58412), (172, 58592), (205, 58745),

Gene: Pat3_95 Start: 56740, Stop: 57282, Start Num: 99

Candidate Starts for Pat3_95:

(Start: 99 @56740 has 94 MA's), (Start: 108 @56776 has 40 MA's), (131, 56896), (138, 56935), (172, 57115), (205, 57268),

Gene: PatriciaStar_63 Start: 44227, Stop: 44907, Start Num: 72

Candidate Starts for PatriciaStar_63:

(5, 43771), (9, 43807), (24, 43918), (29, 43963), (43, 44059), (53, 44158), (54, 44161), (55, 44164), (Start: 72 @44227 has 8 MA's), (132, 44506), (137, 44530), (140, 44548), (147, 44593), (161, 44650), (173, 44722), (176, 44737), (189, 44797), (193, 44818), (199, 44842), (208, 44878),

Gene: Peridot_96 Start: 52441, Stop: 53082, Start Num: 68

Candidate Starts for Peridot_96:

(Start: 68 @52441 has 83 MA's), (Start: 79 @52471 has 8 MA's), (87, 52498), (120, 52672), (177, 52894), (185, 52924), (189, 52942), (203, 53029),

Gene: Petra64142_103 Start: 59778, Stop: 60278, Start Num: 108

Candidate Starts for Petra64142_103:

(Start: 99 @59742 has 94 MA's), (Start: 108 @59778 has 40 MA's), (131, 59898), (138, 59937), (172, 60117), (183, 60171), (185, 60180), (187, 60186), (188, 60192), (191, 60204), (198, 60234), (207, 60270),

Gene: Phaja_96 Start: 58043, Stop: 58579, Start Num: 99

Candidate Starts for Phaja_96:

(Start: 99 @58043 has 94 MA's), (Start: 108 @58079 has 40 MA's), (131, 58199), (138, 58238), (172, 58418), (183, 58472), (185, 58481), (187, 58487), (188, 58493), (191, 58505), (198, 58535), (207, 58571),

Gene: Phalconet_94 Start: 52067, Stop: 52708, Start Num: 68

Candidate Starts for Phalconet_94:

(Start: 68 @52067 has 83 MA's), (Start: 79 @52097 has 8 MA's), (87, 52124), (120, 52298), (177, 52520), (185, 52550), (189, 52568), (203, 52655),

Gene: Pharsalus_95 Start: 58017, Stop: 58559, Start Num: 99

Candidate Starts for Pharsalus_95:

(Start: 99 @58017 has 94 MA's), (Start: 108 @58053 has 40 MA's), (131, 58173), (138, 58212), (172, 58392), (205, 58545),

Gene: PhatBacter_101 Start: 58612, Stop: 59118, Start Num: 108

Candidate Starts for PhatBacter_101:

(Start: 99 @58576 has 94 MA's), (Start: 108 @58612 has 40 MA's), (131, 58732), (138, 58771), (172, 58951), (205, 59104),

Gene: Phatniss_91 Start: 51399, Stop: 52040, Start Num: 68

Candidate Starts for Phatniss_91:

(Start: 68 @51399 has 83 MA's), (Start: 79 @51429 has 8 MA's), (87, 51456), (120, 51630), (177, 51852), (185, 51882), (189, 51900), (203, 51987),

Gene: Phaux_100 Start: 59145, Stop: 59687, Start Num: 99

Candidate Starts for Phaux_100:

(Start: 99 @59145 has 94 MA's), (Start: 108 @59181 has 40 MA's), (131, 59301), (138, 59340), (172, 59520), (205, 59673),

Gene: PhesterPhotato_97 Start: 52041, Stop: 52682, Start Num: 68

Candidate Starts for PhesterPhotato_97:

(Start: 68 @52041 has 83 MA's), (Start: 79 @52071 has 8 MA's), (87, 52098), (120, 52272), (177, 52494), (185, 52524), (189, 52542), (203, 52629),

Gene: PhlipPhlop_83 Start: 53459, Stop: 54103, Start Num: 68

Candidate Starts for PhlipPhlop_83:

(Start: 68 @53459 has 83 MA's), (87, 53516), (118, 53687), (177, 53912), (185, 53942), (189, 53960),

Gene: Phoebus_134 Start: 74698, Stop: 75237, Start Num: 104

Candidate Starts for Phoebus_134:

(Start: 104 @74698 has 27 MA's), (Start: 108 @74728 has 40 MA's), (130, 74842), (134, 74857), (142, 74914), (147, 74935), (154, 74968), (168, 75025), (194, 75163), (202, 75202),

Gene: PhriskyACE_68 Start: 44844, Stop: 45512, Start Num: 79

Candidate Starts for PhriskyACE_68:

(44, 44697), (51, 44754), (Start: 79 @44844 has 8 MA's), (132, 45105), (147, 45192), (153, 45222), (207, 45477),

Gene: Phrux_95 Start: 57421, Stop: 57963, Start Num: 99

Candidate Starts for Phrux_95:

(Start: 99 @57421 has 94 MA's), (Start: 108 @57457 has 40 MA's), (131, 57577), (138, 57616), (172, 57796), (205, 57949),

Gene: Poenanya_97 Start: 53625, Stop: 54266, Start Num: 68

Candidate Starts for Poenanya_97:

(Start: 68 @53625 has 83 MA's), (Start: 79 @53655 has 8 MA's), (87, 53682), (120, 53856), (177, 54078), (185, 54108), (189, 54126), (203, 54213),

Gene: Policronamos_100 Start: 58849, Stop: 59391, Start Num: 99

Candidate Starts for Policronamos_100:

(Start: 99 @58849 has 94 MA's), (Start: 108 @58885 has 40 MA's), (131, 59005), (138, 59044), (172, 59224), (205, 59377),

Gene: Polka14_97 Start: 53683, Stop: 54327, Start Num: 68

Candidate Starts for Polka14_97:

(Start: 68 @53683 has 83 MA's), (Start: 79 @53713 has 8 MA's), (87, 53740), (120, 53914), (177, 54136), (185, 54166), (189, 54184), (203, 54271),

Gene: Pollux_79 Start: 50729, Stop: 51406, Start Num: 75

Candidate Starts for Pollux_79:

(25, 50426), (27, 50456), (48, 50636), (Start: 75 @50729 has 52 MA's), (Start: 79 @50738 has 8 MA's), (132, 50999), (140, 51041), (141, 51047), (147, 51086), (153, 51116), (207, 51371),

Gene: Polly_71 Start: 47389, Stop: 48063, Start Num: 75

Candidate Starts for Polly_71:

(Start: 75 @47389 has 52 MA's), (Start: 79 @47398 has 8 MA's), (132, 47659), (147, 47743), (153, 47773), (207, 48028),

Gene: Polo2Bam_102 Start: 50856, Stop: 51536, Start Num: 58

Candidate Starts for Polo2Bam_102:

(Start: 58 @50856 has 5 MA's), (Start: 60 @50865 has 1 MA's), (87, 50949), (118, 51120), (177, 51345), (185, 51375), (189, 51393),

Gene: Poochiewood_79 Start: 53612, Stop: 54106, Start Num: 112

Candidate Starts for Poochiewood_79:

(Start: 97 @53540 has 65 MA's), (Start: 108 @53579 has 40 MA's), (Start: 112 @53612 has 2 MA's), (134, 53711), (135, 53723), (139, 53738), (149, 53810), (158, 53837), (166, 53873), (175, 53933),

(180, 53951), (188, 53993), (206, 54074),

Gene: Porcelain_130 Start: 70070, Stop: 70618, Start Num: 98

Candidate Starts for Porcelain_130:

(Start: 98 @70070 has 14 MA's), (114, 70151), (130, 70232), (146, 70319), (158, 70373), (161, 70385), (168, 70415), (175, 70469),

Gene: Porky_97 Start: 57165, Stop: 57671, Start Num: 108

Candidate Starts for Porky_97:

(Start: 99 @57129 has 94 MA's), (Start: 108 @57165 has 40 MA's), (131, 57285), (138, 57324), (172, 57504), (205, 57657),

Gene: Pound_122 Start: 71081, Stop: 71620, Start Num: 104

Candidate Starts for Pound_122:

(Start: 104 @71081 has 27 MA's), (Start: 108 @71111 has 40 MA's), (130, 71225), (134, 71240), (142, 71297), (147, 71318), (154, 71351), (168, 71408), (194, 71546), (202, 71585), (210, 71603),

Gene: Powerball_70 Start: 44947, Stop: 45615, Start Num: 79

Candidate Starts for Powerball_70:

(44, 44800), (51, 44857), (Start: 79 @44947 has 8 MA's), (132, 45208), (147, 45295), (153, 45325), (207, 45580),

Gene: Pumpkin_101 Start: 58797, Stop: 59333, Start Num: 99

Candidate Starts for Pumpkin_101:

(Start: 99 @58797 has 94 MA's), (Start: 108 @58833 has 40 MA's), (131, 58953), (138, 58992), (172, 59172), (183, 59226), (185, 59235), (187, 59241), (188, 59247), (191, 59259), (198, 59289), (207, 59325),

Gene: Qualification_99 Start: 58625, Stop: 59167, Start Num: 99

Candidate Starts for Qualification_99:

(Start: 99 @58625 has 94 MA's), (Start: 108 @58661 has 40 MA's), (131, 58781), (138, 58820), (172, 59000), (205, 59153),

Gene: Quby_82 Start: 53264, Stop: 53827, Start Num: 97

Candidate Starts for Quby_82:

(Start: 97 @53264 has 65 MA's), (Start: 111 @53333 has 2 MA's), (115, 53348), (127, 53411), (134, 53435), (175, 53657), (183, 53696), (206, 53798),

Gene: QuickMath_94 Start: 51951, Stop: 52595, Start Num: 68

Candidate Starts for QuickMath_94:

(Start: 68 @51951 has 83 MA's), (87, 52008), (118, 52179), (177, 52404), (185, 52434), (189, 52452), (203, 52539),

Gene: Quico_102 Start: 53926, Stop: 54570, Start Num: 68

Candidate Starts for Quico_102:

(Start: 68 @53926 has 83 MA's), (Start: 79 @53956 has 8 MA's), (87, 53983), (118, 54154), (177, 54379), (185, 54409), (189, 54427), (203, 54514),

Gene: REQ2_80 Start: 47326, Stop: 47904, Start Num: 86

Candidate Starts for REQ2_80:

(83, 47314), (86, 47326), (105, 47401), (189, 47773),

Gene: Rakim_99 Start: 58311, Stop: 58811, Start Num: 108

Candidate Starts for Rakim_99:

(Start: 99 @58275 has 94 MA's), (Start: 108 @58311 has 40 MA's), (131, 58431), (138, 58470), (172, 58650), (183, 58704), (185, 58713), (187, 58719), (188, 58725), (191, 58737), (198, 58767), (207, 58803),

Gene: Ramsey_98 Start: 53930, Stop: 54568, Start Num: 68

Candidate Starts for Ramsey_98:

(Start: 68 @53930 has 83 MA's), (87, 53981), (118, 54152), (177, 54377), (185, 54407), (189, 54425), (203, 54512),

Gene: RayTheFireFly_71 Start: 44336, Stop: 44998, Start Num: 78

Candidate Starts for RayTheFireFly_71:

(20, 43997), (22, 44006), (26, 44039), (34, 44093), (38, 44144), (62, 44273), (Start: 78 @44336 has 2 MA's), (85, 44357), (132, 44597), (137, 44621), (140, 44639), (147, 44684), (148, 44699), (161, 44741), (173, 44813), (189, 44888), (193, 44909), (199, 44933), (208, 44969),

Gene: Rearden_131 Start: 70464, Stop: 71012, Start Num: 98

Candidate Starts for Rearden_131:

(Start: 98 @70464 has 14 MA's), (114, 70545), (130, 70626), (146, 70713), (158, 70767), (161, 70779), (168, 70809), (175, 70863),

Gene: Red305_84 Start: 54916, Stop: 55413, Start Num: 111

Candidate Starts for Red305_84:

(Start: 95 @54829 has 1 MA's), (Start: 100 @54853 has 8 MA's), (Start: 111 @54916 has 2 MA's), (127, 54994), (143, 55084), (149, 55120), (154, 55132), (158, 55147), (168, 55189), (170, 55204), (175, 55243), (195, 55342),

Gene: RedBird_94 Start: 53670, Stop: 54305, Start Num: 68

Candidate Starts for RedBird_94:

(Start: 68 @53670 has 83 MA's), (87, 53721), (118, 53892), (177, 54117), (185, 54147), (189, 54165), (203, 54252),

Gene: Redno2_125 Start: 70086, Stop: 70625, Start Num: 104

Candidate Starts for Redno2_125:

(Start: 104 @70086 has 27 MA's), (Start: 108 @70116 has 40 MA's), (130, 70230), (134, 70245), (142, 70302), (147, 70323), (154, 70356), (168, 70413), (194, 70551), (202, 70590),

Gene: Rimmer_96 Start: 57851, Stop: 58393, Start Num: 99

Candidate Starts for Rimmer_96:

(Start: 99 @57851 has 94 MA's), (Start: 108 @57887 has 40 MA's), (131, 58007), (138, 58046), (172, 58226), (205, 58379),

Gene: RitaG_92 Start: 52718, Stop: 53362, Start Num: 68

Candidate Starts for RitaG_92:

(Start: 68 @52718 has 83 MA's), (87, 52775), (118, 52946), (177, 53171), (185, 53201), (189, 53219), (203, 53306),

Gene: RiverMonster_98 Start: 58317, Stop: 58859, Start Num: 99

Candidate Starts for RiverMonster_98:

(Start: 99 @58317 has 94 MA's), (Start: 108 @58353 has 40 MA's), (131, 58473), (138, 58512), (172, 58692), (205, 58845),

Gene: Rizz_75 Start: 46108, Stop: 46782, Start Num: 75

Candidate Starts for Rizz_75:

(18, 45775), (47, 46000), (Start: 75 @46108 has 52 MA's), (Start: 79 @46117 has 8 MA's), (132, 46378), (140, 46417), (141, 46423), (147, 46462), (153, 46492), (183, 46645), (207, 46747),

Gene: Rockne_96 Start: 51084, Stop: 51722, Start Num: 68

Candidate Starts for Rockne_96:

(Start: 68 @51084 has 83 MA's), (87, 51135), (118, 51306), (177, 51531), (185, 51561), (189, 51579), (203, 51666),

Gene: RockyHorror_97 Start: 51834, Stop: 52472, Start Num: 68

Candidate Starts for RockyHorror_97:

(Start: 68 @51834 has 83 MA's), (87, 51885), (118, 52056), (177, 52281), (185, 52311), (189, 52329), (203, 52416),

Gene: Rose5_82 Start: 53377, Stop: 53943, Start Num: 97

Candidate Starts for Rose5_82:

(Start: 97 @53377 has 65 MA's), (Start: 108 @53416 has 40 MA's), (Start: 112 @53449 has 2 MA's), (134, 53548), (135, 53560), (139, 53575), (149, 53647), (158, 53674), (166, 53710), (175, 53770), (188, 53830), (206, 53911),

Gene: Rossetti_85 Start: 55107, Stop: 55673, Start Num: 97

Candidate Starts for Rossetti_85:

(Start: 97 @55107 has 65 MA's), (110, 55173), (127, 55254), (134, 55278), (135, 55290), (149, 55377), (158, 55404), (175, 55500), (188, 55560), (206, 55641),

Gene: Royals2015_96 Start: 50949, Stop: 51593, Start Num: 68

Candidate Starts for Royals2015_96:

(Start: 68 @50949 has 83 MA's), (87, 51006), (118, 51177), (177, 51402), (185, 51432), (189, 51450),

Gene: Rumpelstiltskin_81 Start: 54546, Stop: 55112, Start Num: 97

Candidate Starts for Rumpelstiltskin_81:

(Start: 97 @54546 has 65 MA's), (110, 54612), (127, 54693), (134, 54717), (149, 54816), (150, 54819), (158, 54843), (175, 54939), (188, 54999), (206, 55080),

Gene: Saints25_96 Start: 57460, Stop: 58005, Start Num: 99

Candidate Starts for Saints25_96:

(Start: 99 @57460 has 94 MA's), (Start: 108 @57496 has 40 MA's), (131, 57616), (138, 57655), (172, 57835), (205, 57988),

Gene: Samman98_75 Start: 45410, Stop: 46084, Start Num: 75

Candidate Starts for Samman98_75:

(11, 45011), (12, 45026), (13, 45038), (15, 45056), (47, 45302), (Start: 75 @45410 has 52 MA's), (Start: 79 @45419 has 8 MA's), (132, 45680), (140, 45719), (141, 45725), (147, 45764), (153, 45794), (183, 45947), (207, 46049),

Gene: Samty_81 Start: 54612, Stop: 55178, Start Num: 97

Candidate Starts for Samty_81:

(Start: 97 @54612 has 65 MA's), (134, 54783), (143, 54849), (149, 54885), (154, 54897), (158, 54912), (168, 54954), (170, 54969), (175, 55008), (195, 55107),

Gene: Sarshaun_85 Start: 55077, Stop: 55577, Start Num: 110

Candidate Starts for Sarshaun_85:

(Start: 97 @55011 has 65 MA's), (110, 55077), (127, 55158), (134, 55182), (149, 55281), (150, 55284), (158, 55308), (174, 55395), (175, 55404), (188, 55464), (206, 55545),

Gene: Sassafras_95 Start: 51984, Stop: 52622, Start Num: 68

Candidate Starts for Sassafras_95:

(Start: 68 @51984 has 83 MA's), (87, 52035), (118, 52206), (177, 52431), (185, 52461), (189, 52479), (203, 52566),

Gene: Sassay_93 Start: 56615, Stop: 57121, Start Num: 108

Candidate Starts for Sassay_93:

(Start: 99 @56579 has 94 MA's), (Start: 108 @56615 has 40 MA's), (131, 56735), (138, 56774), (172, 56954), (205, 57107),

Gene: Schatzie_129 Start: 72794, Stop: 73333, Start Num: 104

Candidate Starts for Schatzie_129:

(Start: 104 @72794 has 27 MA's), (Start: 108 @72824 has 40 MA's), (130, 72938), (134, 72953), (142, 73010), (147, 73031), (154, 73064), (158, 73079), (161, 73091), (194, 73259), (202, 73298),

Gene: Schnabeltier_69 Start: 45411, Stop: 46112, Start Num: 66

Candidate Starts for Schnabeltier_69:

(Start: 66 @45411 has 11 MA's), (71, 45435), (84, 45468), (89, 45483), (Start: 101 @45552 has 1 MA's), (109, 45591), (124, 45675), (131, 45705), (132, 45711), (137, 45735), (140, 45753), (141, 45759), (147, 45798), (148, 45813), (149, 45819), (153, 45828), (167, 45888), (169, 45897), (170, 45906), (183, 45975), (189, 46002), (199, 46047), (205, 46074), (208, 46083), (211, 46098),

Gene: Scottish_93 Start: 51558, Stop: 52199, Start Num: 68

Candidate Starts for Scottish_93:

(Start: 68 @51558 has 83 MA's), (Start: 79 @51588 has 8 MA's), (87, 51615), (120, 51789), (177, 52011), (185, 52041), (189, 52059), (203, 52146),

Gene: SeaLumen_99 Start: 50856, Stop: 51536, Start Num: 58

Candidate Starts for SeaLumen_99:

(Start: 58 @50856 has 5 MA's), (Start: 60 @50865 has 1 MA's), (87, 50949), (118, 51120), (177, 51345), (185, 51375), (189, 51393),

Gene: Seagreen_94 Start: 52570, Stop: 53214, Start Num: 68

Candidate Starts for Seagreen_94:

(Start: 68 @52570 has 83 MA's), (Start: 79 @52600 has 8 MA's), (87, 52627), (120, 52801), (177, 53023), (185, 53053), (189, 53071), (203, 53158),

Gene: Sekhmet_74 Start: 45449, Stop: 46123, Start Num: 75

Candidate Starts for Sekhmet_74:

(47, 45341), (Start: 75 @45449 has 52 MA's), (Start: 79 @45458 has 8 MA's), (132, 45719), (140, 45758), (141, 45764), (147, 45803), (153, 45833), (183, 45986), (207, 46088),

Gene: Shaboozey_133 Start: 70541, Stop: 71233, Start Num: 98

Candidate Starts for Shaboozey_133:

(Start: 98 @70541 has 14 MA's), (114, 70622), (130, 70703), (146, 70790), (158, 70844), (160, 70853), (161, 70856), (168, 70886), (175, 70940), (209, 71084), (215, 71129),

Gene: ShamWow_98 Start: 58438, Stop: 58980, Start Num: 99

Candidate Starts for ShamWow_98:

(Start: 99 @58438 has 94 MA's), (Start: 108 @58474 has 40 MA's), (131, 58594), (138, 58633), (172, 58813), (205, 58966),

Gene: Sheng711_83 Start: 53570, Stop: 54133, Start Num: 97

Candidate Starts for Sheng711_83:

(Start: 97 @53570 has 65 MA's), (115, 53654), (127, 53717), (134, 53741), (158, 53867), (175, 53963), (183, 54002), (206, 54104),

Gene: ShereKhan_96 Start: 58871, Stop: 59413, Start Num: 99

Candidate Starts for ShereKhan_96:

(Start: 99 @58871 has 94 MA's), (Start: 108 @58907 has 40 MA's), (131, 59027), (138, 59066), (172, 59246), (205, 59399),

Gene: Sidious_74 Start: 49331, Stop: 50005, Start Num: 75

Candidate Starts for Sidious_74:

(14, 48956), (48, 49238), (Start: 75 @49331 has 52 MA's), (Start: 79 @49340 has 8 MA's), (118, 49541), (132, 49601), (147, 49685), (148, 49700), (153, 49715), (169, 49784), (193, 49913), (207, 49970),

Gene: Silverleaf_81 Start: 52833, Stop: 53399, Start Num: 97

Candidate Starts for Silverleaf_81:

(Start: 97 @52833 has 65 MA's), (Start: 108 @52872 has 40 MA's), (Start: 112 @52905 has 2 MA's), (134, 53004), (135, 53016), (139, 53031), (149, 53103), (158, 53130), (166, 53166), (175, 53226), (188, 53286), (206, 53367),

Gene: Simpliphy_97 Start: 57879, Stop: 58421, Start Num: 99

Candidate Starts for Simpliphy_97:

(Start: 99 @57879 has 94 MA's), (Start: 108 @57915 has 40 MA's), (131, 58035), (138, 58074), (172, 58254), (205, 58407),

Gene: SimranZ1_89 Start: 50450, Stop: 51094, Start Num: 68

Candidate Starts for SimranZ1_89:

(Start: 68 @50450 has 83 MA's), (87, 50507), (118, 50678), (177, 50903), (185, 50933), (189, 50951),

Gene: SirDuracell_98 Start: 57255, Stop: 57797, Start Num: 99

Candidate Starts for SirDuracell_98:

(Start: 99 @57255 has 94 MA's), (Start: 108 @57291 has 40 MA's), (131, 57411), (138, 57450), (172, 57630), (205, 57783),

Gene: Slim_96 Start: 52221, Stop: 52865, Start Num: 68

Candidate Starts for Slim_96:

(Start: 68 @52221 has 83 MA's), (Start: 79 @52251 has 8 MA's), (87, 52278), (120, 52452), (177, 52674), (185, 52704), (189, 52722), (203, 52809),

Gene: Snenia_82 Start: 54917, Stop: 55414, Start Num: 111

Candidate Starts for Snenia_82:

(Start: 95 @54830 has 1 MA's), (Start: 100 @54854 has 8 MA's), (Start: 111 @54917 has 2 MA's), (127, 54995), (143, 55085), (149, 55121), (154, 55133), (158, 55148), (168, 55190), (170, 55205), (175, 55244), (195, 55343),

Gene: SoJulia_86 Start: 56145, Stop: 56645, Start Num: 110

Candidate Starts for SoJulia_86:

(Start: 97 @56079 has 65 MA's), (110, 56145), (127, 56226), (134, 56250), (150, 56352), (158, 56376), (175, 56472), (188, 56532), (206, 56613),

Gene: Soap141_84 Start: 55011, Stop: 55577, Start Num: 97

Candidate Starts for Soap141_84:

(Start: 97 @55011 has 65 MA's), (110, 55077), (127, 55158), (134, 55182), (149, 55281), (150, 55284), (158, 55308), (174, 55395), (175, 55404), (188, 55464), (206, 55545),

Gene: SophKB_95 Start: 57236, Stop: 57778, Start Num: 99

Candidate Starts for SophKB_95:

(Start: 99 @57236 has 94 MA's), (Start: 108 @57272 has 40 MA's), (131, 57392), (138, 57431), (172, 57611), (205, 57764),

Gene: Sotrice96_99 Start: 58145, Stop: 58687, Start Num: 99

Candidate Starts for Sotrice96_99:

(Start: 99 @58145 has 94 MA's), (Start: 108 @58181 has 40 MA's), (131, 58301), (138, 58340), (172, 58520), (205, 58673),

Gene: Spikelee_94 Start: 53728, Stop: 54366, Start Num: 68

Candidate Starts for Spikelee_94:

(Start: 68 @53728 has 83 MA's), (87, 53779), (120, 53953), (177, 54175), (185, 54205), (189, 54223), (203, 54310),

Gene: Squint_130 Start: 70330, Stop: 70878, Start Num: 98

Candidate Starts for Squint_130:

(Start: 98 @70330 has 14 MA's), (114, 70411), (130, 70492), (146, 70579), (158, 70633), (161, 70645), (168, 70675), (175, 70729),

Gene: Squirty_93 Start: 55759, Stop: 56403, Start Num: 68

Candidate Starts for Squirty_93:

(Start: 68 @55759 has 83 MA's), (Start: 79 @55789 has 8 MA's), (87, 55816), (120, 55990), (177, 56212), (185, 56242), (189, 56260), (203, 56347),

Gene: StAnnes_97 Start: 53486, Stop: 54127, Start Num: 68

Candidate Starts for StAnnes_97:

(Start: 68 @53486 has 83 MA's), (Start: 79 @53516 has 8 MA's), (87, 53543), (120, 53717), (177, 53939), (185, 53969), (189, 53987), (203, 54074),

Gene: Stank_100 Start: 58538, Stop: 59074, Start Num: 99

Candidate Starts for Stank_100:

(Start: 99 @58538 has 94 MA's), (Start: 108 @58574 has 40 MA's), (131, 58694), (138, 58733), (172, 58913), (183, 58967), (185, 58976), (187, 58982), (188, 58988), (191, 59000), (198, 59030), (207, 59066),

Gene: Stap_88 Start: 49216, Stop: 49854, Start Num: 68

Candidate Starts for Stap_88:

(Start: 68 @49216 has 83 MA's), (87, 49267), (118, 49438), (177, 49663), (185, 49693), (189, 49711), (203, 49798),

Gene: Starcevich_95 Start: 53333, Stop: 53974, Start Num: 68

Candidate Starts for Starcevich_95:

(Start: 68 @53333 has 83 MA's), (Start: 79 @53363 has 8 MA's), (87, 53390), (120, 53564), (177, 53786), (185, 53816), (189, 53834), (203, 53921),

Gene: Stark_99 Start: 58236, Stop: 58742, Start Num: 108

Candidate Starts for Stark_99:

(Start: 99 @58200 has 94 MA's), (Start: 108 @58236 has 40 MA's), (131, 58356), (138, 58395), (172, 58575), (205, 58728),

Gene: StellaBean_96 Start: 57798, Stop: 58304, Start Num: 108

Candidate Starts for StellaBean_96:

(Start: 99 @57762 has 94 MA's), (Start: 108 @57798 has 40 MA's), (131, 57918), (138, 57957), (172, 58137), (205, 58290),

Gene: Stellammi_106 Start: 52102, Stop: 52659, Start Num: 102

Candidate Starts for Stellammi_106:

(Start: 102 @52102 has 1 MA's), (130, 52249), (134, 52264), (143, 52330), (145, 52336), (162, 52408), (192, 52564),

Gene: StolenFromERC_101 Start: 58463, Stop: 58999, Start Num: 99

Candidate Starts for StolenFromERC_101:

(Start: 99 @58463 has 94 MA's), (Start: 108 @58499 has 40 MA's), (131, 58619), (138, 58658), (172, 58838), (183, 58892), (185, 58901), (187, 58907), (188, 58913), (191, 58925), (198, 58955), (207, 58991),

Gene: StormChicken_100 Start: 59243, Stop: 59779, Start Num: 99

Candidate Starts for StormChicken_100:

(Start: 99 @59243 has 94 MA's), (Start: 108 @59279 has 40 MA's), (131, 59399), (138, 59438), (172, 59618), (183, 59672), (185, 59681), (187, 59687), (188, 59693), (191, 59705), (198, 59735), (207, 59771),

Gene: Suerte_68 Start: 44552, Stop: 45226, Start Num: 75

Candidate Starts for Suerte_68:

(47, 44444), (Start: 75 @44552 has 52 MA's), (Start: 79 @44561 has 8 MA's), (132, 44822), (140, 44861), (141, 44867), (147, 44906), (153, 44936), (183, 45089), (207, 45191),

Gene: Superphikiman_130 Start: 69545, Stop: 70093, Start Num: 98

Candidate Starts for Superphikiman_130:

(Start: 98 @69545 has 14 MA's), (114, 69626), (130, 69707), (146, 69794), (158, 69848), (160, 69857), (161, 69860), (168, 69890), (175, 69944),

Gene: Suscepit_74 Start: 47947, Stop: 48621, Start Num: 75

Candidate Starts for Suscepit_74:

(Start: 75 @47947 has 52 MA's), (Start: 79 @47956 has 8 MA's), (132, 48217), (147, 48301), (153, 48331), (207, 48586),

Gene: SushiChef_76 Start: 50293, Stop: 50967, Start Num: 75

Candidate Starts for SushiChef_76:

(Start: 75 @50293 has 52 MA's), (Start: 79 @50302 has 8 MA's), (132, 50563), (147, 50647), (153, 50677), (207, 50932),

Gene: TBrady12_101 Start: 57978, Stop: 58514, Start Num: 99

Candidate Starts for TBrady12_101:

(Start: 99 @57978 has 94 MA's), (Start: 108 @58014 has 40 MA's), (131, 58134), (138, 58173), (172, 58353), (183, 58407), (185, 58416), (187, 58422), (188, 58428), (191, 58440), (198, 58470), (207, 58506),

Gene: Taj_100 Start: 53662, Stop: 54288, Start Num: 72

Candidate Starts for Taj_100:

(56, 53602), (59, 53611), (Start: 72 @53662 has 8 MA's), (Start: 74 @53665 has 1 MA's), (Start: 79 @53677 has 8 MA's), (87, 53704), (120, 53878), (177, 54100), (185, 54130), (189, 54148), (203, 54235),

Gene: Tarkin_97 Start: 58226, Stop: 58768, Start Num: 99

Candidate Starts for Tarkin_97:

(Start: 99 @58226 has 94 MA's), (Start: 108 @58262 has 40 MA's), (131, 58382), (138, 58421), (172, 58601), (205, 58754),

Gene: TaronosaurusRx_73 Start: 45816, Stop: 46484, Start Num: 75

Candidate Starts for TaronosaurusRx_73:

(28, 45558), (35, 45597), (37, 45630), (50, 45729), (Start: 75 @45816 has 52 MA's), (Start: 79 @45825 has 8 MA's), (83, 45834), (91, 45870), (Start: 101 @45924 has 1 MA's), (109, 45963), (124, 46047), (132, 46083), (140, 46125), (141, 46131), (147, 46170), (148, 46185), (149, 46191), (153, 46200), (169, 46269), (170, 46278), (183, 46347), (186, 46359), (189, 46374), (199, 46419), (205, 46446), (208, 46455), (211, 46470),

Gene: Tayonia_74 Start: 47946, Stop: 48620, Start Num: 75

Candidate Starts for Tayonia_74:

(Start: 75 @47946 has 52 MA's), (Start: 79 @47955 has 8 MA's), (132, 48216), (147, 48300), (153, 48330), (207, 48585),

Gene: TeamEdward_98 Start: 58449, Stop: 58991, Start Num: 99

Candidate Starts for TeamEdward_98:

(Start: 99 @58449 has 94 MA's), (Start: 108 @58485 has 40 MA's), (131, 58605), (138, 58644), (172, 58824), (205, 58977),

Gene: TeardropMSU_94 Start: 57226, Stop: 57768, Start Num: 99

Candidate Starts for TeardropMSU_94:

(Start: 99 @57226 has 94 MA's), (Start: 108 @57262 has 40 MA's), (131, 57382), (138, 57421), (172, 57601), (205, 57754),

Gene: Teaspoon_99 Start: 58078, Stop: 58620, Start Num: 99

Candidate Starts for Teaspoon_99:

(Start: 99 @58078 has 94 MA's), (Start: 108 @58114 has 40 MA's), (131, 58234), (138, 58273), (172, 58453), (205, 58606),

Gene: Terminus_101 Start: 59334, Stop: 59876, Start Num: 99

Candidate Starts for Terminus_101:

(Start: 99 @59334 has 94 MA's), (Start: 108 @59370 has 40 MA's), (131, 59490), (138, 59529), (172, 59709), (205, 59862),

Gene: ThankyouJordi_77 Start: 51118, Stop: 51792, Start Num: 75

Candidate Starts for ThankyouJordi_77:

(4, 50647), (48, 51025), (Start: 75 @51118 has 52 MA's), (Start: 79 @51127 has 8 MA's), (132, 51388), (147, 51472), (148, 51487), (153, 51502), (169, 51571), (207, 51757),

Gene: Thibault_118 Start: 69990, Stop: 70547, Start Num: 98

Candidate Starts for Thibault_118:

(Start: 98 @69990 has 14 MA's), (114, 70071), (120, 70104), (128, 70146), (130, 70152), (146, 70239), (154, 70278), (158, 70293), (161, 70305), (194, 70473), (202, 70512),

Gene: Thimann_74 Start: 45455, Stop: 46123, Start Num: 79

Candidate Starts for Thimann_74:

(33, 45212), (44, 45284), (49, 45362), (51, 45365), (52, 45371), (Start: 79 @45455 has 8 MA's), (132, 45716), (137, 45740), (147, 45803), (153, 45833), (207, 46088),

Gene: Thimble_100 Start: 57728, Stop: 58264, Start Num: 99

Candidate Starts for Thimble_100:

(Start: 99 @57728 has 94 MA's), (Start: 108 @57764 has 40 MA's), (131, 57884), (138, 57923), (172, 58103), (183, 58157), (185, 58166), (187, 58172), (188, 58178), (191, 58190), (198, 58220), (207, 58256),

Gene: ThreeRngTarjay_129 Start: 73289, Stop: 73828, Start Num: 104

Candidate Starts for ThreeRngTarjay_129:

(Start: 104 @73289 has 27 MA's), (Start: 108 @73319 has 40 MA's), (130, 73433), (134, 73448), (142, 73505), (147, 73526), (154, 73559), (168, 73616), (194, 73754), (202, 73793),

Gene: Thresher_100 Start: 58980, Stop: 59522, Start Num: 99

Candidate Starts for Thresher_100:

(Start: 99 @58980 has 94 MA's), (Start: 108 @59016 has 40 MA's), (131, 59136), (138, 59175), (172, 59355), (205, 59508),

Gene: TimTam_78 Start: 50913, Stop: 51587, Start Num: 75

Candidate Starts for TimTam_78:

(Start: 75 @50913 has 52 MA's), (Start: 79 @50922 has 8 MA's), (132, 51183), (147, 51267), (153, 51297), (207, 51552),

Gene: Tomaszewski_93 Start: 57710, Stop: 58252, Start Num: 99

Candidate Starts for Tomaszewski_93:

(Start: 99 @57710 has 94 MA's), (Start: 108 @57746 has 40 MA's), (131, 57866), (138, 57905), (172, 58085), (205, 58238),

Gene: Toto_96 Start: 58438, Stop: 58980, Start Num: 99

Candidate Starts for Toto_96:

(Start: 99 @58438 has 94 MA's), (Start: 108 @58474 has 40 MA's), (131, 58594), (138, 58633), (172, 58813), (205, 58966),

Gene: Tourach_83 Start: 55036, Stop: 55602, Start Num: 97

Candidate Starts for Tourach_83:

(Start: 97 @55036 has 65 MA's), (110, 55102), (127, 55183), (134, 55207), (135, 55219), (149, 55306), (150, 55309), (158, 55333), (160, 55342), (175, 55429), (188, 55489), (206, 55570),

Gene: Traaww1_94 Start: 57567, Stop: 58103, Start Num: 99

Candidate Starts for Traaww1_94:

(Start: 99 @57567 has 94 MA's), (Start: 108 @57603 has 40 MA's), (131, 57723), (138, 57762), (172, 57942), (183, 57996), (185, 58005), (187, 58011), (188, 58017), (191, 58029), (198, 58059), (207, 58095),

Gene: TriFive_83 Start: 54617, Stop: 55186, Start Num: 97

Candidate Starts for TriFive_83:

(Start: 97 @54617 has 65 MA's), (134, 54788), (143, 54854), (154, 54902), (158, 54917), (168, 54959), (170, 54974), (188, 55073),

Gene: Trumpet_74 Start: 47947, Stop: 48621, Start Num: 75

Candidate Starts for Trumpet_74:

(Start: 75 @47947 has 52 MA's), (Start: 79 @47956 has 8 MA's), (132, 48217), (147, 48301), (153, 48331), (207, 48586),

Gene: Tuco_99 Start: 59306, Stop: 59848, Start Num: 99

Candidate Starts for Tuco_99:

(Start: 99 @59306 has 94 MA's), (Start: 108 @59342 has 40 MA's), (131, 59462), (138, 59501), (172, 59681), (205, 59834),

Gene: Tuti_68 Start: 45846, Stop: 46520, Start Num: 75

Candidate Starts for Tuti_68:

(18, 45513), (47, 45738), (Start: 75 @45846 has 52 MA's), (Start: 79 @45855 has 8 MA's), (132, 46116), (140, 46155), (141, 46161), (147, 46200), (153, 46230), (183, 46383), (207, 46485),

Gene: Tweety_94 Start: 52911, Stop: 53552, Start Num: 68

Candidate Starts for Tweety_94:

(Start: 68 @52911 has 83 MA's), (Start: 79 @52941 has 8 MA's), (87, 52968), (120, 53142), (177, 53364), (185, 53394), (189, 53412), (203, 53499),

Gene: Tyson_82 Start: 53303, Stop: 53869, Start Num: 97

Candidate Starts for Tyson_82:

(Start: 97 @53303 has 65 MA's), (Start: 108 @53342 has 40 MA's), (Start: 112 @53375 has 2 MA's), (134, 53474), (135, 53486), (139, 53501), (149, 53573), (158, 53600), (166, 53636), (175, 53696), (188, 53756), (206, 53837),

Gene: UPIE_80 Start: 52899, Stop: 53465, Start Num: 97

Candidate Starts for UPIE_80:

(Start: 97 @52899 has 65 MA's), (Start: 108 @52938 has 40 MA's), (Start: 112 @52971 has 2 MA's), (134, 53070), (135, 53082), (139, 53097), (149, 53169), (158, 53196), (166, 53232), (175, 53292), (188, 53352), (206, 53433),

Gene: Ukulele_93 Start: 57692, Stop: 58234, Start Num: 99

Candidate Starts for Ukulele_93:

(Start: 99 @57692 has 94 MA's), (Start: 108 @57728 has 40 MA's), (131, 57848), (138, 57887), (172, 58067), (205, 58220),

Gene: UncleRicky_93 Start: 50958, Stop: 51596, Start Num: 68

Candidate Starts for UncleRicky_93:

(Start: 68 @50958 has 83 MA's), (87, 51009), (118, 51180), (177, 51405), (185, 51435), (189, 51453), (203, 51540),

Gene: Underpass_76 Start: 49789, Stop: 50355, Start Num: 97

Candidate Starts for Underpass_76:

(Start: 97 @49789 has 65 MA's), (110, 49855), (127, 49936), (134, 49960), (149, 50059), (150, 50062), (158, 50086), (175, 50182), (188, 50242), (206, 50323),

Gene: VRedHorse_94 Start: 49768, Stop: 50412, Start Num: 68

Candidate Starts for VRedHorse_94:

(Start: 68 @49768 has 83 MA's), (87, 49825), (118, 49996), (177, 50221), (185, 50251), (189, 50269), (203, 50356),

Gene: Vetrix_83 Start: 54615, Stop: 55181, Start Num: 97

Candidate Starts for Vetrix_83:

(Start: 97 @54615 has 65 MA's), (134, 54786), (149, 54885), (150, 54888), (158, 54912), (175, 55008), (188, 55068), (206, 55149),

Gene: Violac_95 Start: 53301, Stop: 53945, Start Num: 68

Candidate Starts for Violac_95:

(Start: 68 @53301 has 83 MA's), (87, 53358), (118, 53529), (177, 53754), (185, 53784), (189, 53802),

Gene: Vivum_91 Start: 53555, Stop: 54199, Start Num: 68

Candidate Starts for Vivum_91:

(Start: 68 @53555 has 83 MA's), (87, 53612), (118, 53783), (177, 54008), (185, 54038), (189, 54056),

Gene: Wachhund_91 Start: 49006, Stop: 49650, Start Num: 68

Candidate Starts for Wachhund_91:

(Start: 68 @49006 has 83 MA's), (87, 49063), (118, 49234), (177, 49459), (185, 49489), (189, 49507),

Gene: Wamburgrxpress_81 Start: 53338, Stop: 53904, Start Num: 97

Candidate Starts for Wamburgrxpress_81:

(Start: 97 @53338 has 65 MA's), (Start: 108 @53377 has 40 MA's), (Start: 112 @53410 has 2 MA's), (134, 53509), (135, 53521), (139, 53536), (149, 53608), (158, 53635), (166, 53671), (175, 53731), (188, 53791), (206, 53872),

Gene: Wanda_132 Start: 70424, Stop: 70963, Start Num: 104

Candidate Starts for Wanda_132:

(Start: 104 @70424 has 27 MA's), (Start: 108 @70454 has 40 MA's), (130, 70568), (134, 70583), (142, 70640), (147, 70661), (154, 70694), (168, 70751), (194, 70889), (202, 70928),

Gene: Wee_97 Start: 53738, Stop: 54364, Start Num: 72

Candidate Starts for Wee_97:

(56, 53678), (59, 53687), (Start: 72 @53738 has 8 MA's), (Start: 74 @53741 has 1 MA's), (Start: 79 @53753 has 8 MA's), (87, 53780), (120, 53954), (177, 54176), (185, 54206), (189, 54224), (203, 54311),

Gene: WelcomeAyanna_77 Start: 51265, Stop: 51939, Start Num: 75

Candidate Starts for WelcomeAyanna_77:

(4, 50794), (48, 51172), (Start: 75 @51265 has 52 MA's), (Start: 79 @51274 has 8 MA's), (132, 51535), (147, 51619), (148, 51634), (153, 51649), (169, 51718), (207, 51904),

Gene: Whirlwind_83 Start: 54856, Stop: 55422, Start Num: 97

Candidate Starts for Whirlwind_83:

(Start: 97 @54856 has 65 MA's), (127, 55003), (143, 55093), (149, 55129), (154, 55141), (158, 55156), (168, 55198), (170, 55213), (195, 55351),

Gene: Wiggin_100 Start: 57968, Stop: 58504, Start Num: 99

Candidate Starts for Wiggin_100:

(Start: 99 @57968 has 94 MA's), (Start: 108 @58004 has 40 MA's), (131, 58124), (138, 58163), (172, 58343), (183, 58397), (185, 58406), (187, 58412), (188, 58418), (191, 58430), (198, 58460), (207, 58496),

Gene: Wigglewiggle_83 Start: 54560, Stop: 55126, Start Num: 97

Candidate Starts for Wigglewiggle_83:

(Start: 97 @54560 has 65 MA's), (110, 54626), (127, 54707), (134, 54731), (149, 54830), (150, 54833), (154, 54842), (158, 54857), (175, 54953), (188, 55013), (206, 55094),

Gene: Wilder_85 Start: 54704, Stop: 55270, Start Num: 97

Candidate Starts for Wilder_85:

(Start: 97 @54704 has 65 MA's), (110, 54770), (134, 54875), (149, 54974), (150, 54977), (158, 55001), (175, 55097), (188, 55157), (206, 55238),

Gene: WillSterrel_91 Start: 52284, Stop: 52928, Start Num: 68

Candidate Starts for WillSterrel_91:

(Start: 68 @52284 has 83 MA's), (87, 52341), (118, 52512), (177, 52737), (185, 52767), (189, 52785), (203, 52872),

Gene: Willez_93 Start: 56615, Stop: 57121, Start Num: 108

Candidate Starts for Willez_93:

(Start: 99 @56579 has 94 MA's), (Start: 108 @56615 has 40 MA's), (131, 56735), (138, 56774), (172, 56954), (205, 57107),

Gene: WinkNick_75 Start: 44973, Stop: 45647, Start Num: 75

Candidate Starts for WinkNick_75:

(47, 44865), (Start: 75 @44973 has 52 MA's), (Start: 79 @44982 has 8 MA's), (132, 45243), (140, 45282), (141, 45288), (147, 45327), (153, 45357), (183, 45510), (207, 45612),

Gene: Winky_84 Start: 54918, Stop: 55484, Start Num: 97

Candidate Starts for Winky_84:

(Start: 97 @54918 has 65 MA's), (110, 54984), (127, 55065), (134, 55089), (150, 55191), (158, 55215), (175, 55311), (188, 55371), (206, 55452),

Gene: Wyatt2_82 Start: 53301, Stop: 53867, Start Num: 97

Candidate Starts for Wyatt2_82:

(Start: 97 @53301 has 65 MA's), (Start: 108 @53340 has 40 MA's), (Start: 112 @53373 has 2 MA's), (134, 53472), (135, 53484), (139, 53499), (149, 53571), (158, 53598), (166, 53634), (175, 53694), (188, 53754), (206, 53835),

Gene: XFactor_84 Start: 50051, Stop: 50677, Start Num: 72

Candidate Starts for XFactor_84:

(56, 49991), (59, 50000), (Start: 72 @50051 has 8 MA's), (Start: 74 @50054 has 1 MA's), (Start: 79 @50066 has 8 MA's), (87, 50093), (120, 50267), (177, 50489), (185, 50519), (189, 50537), (203, 50624),

Gene: Xandras_97 Start: 57791, Stop: 58327, Start Num: 99

Candidate Starts for Xandras_97:

(Start: 99 @57791 has 94 MA's), (Start: 108 @57827 has 40 MA's), (131, 57947), (138, 57986), (172, 58166), (183, 58220), (185, 58229), (187, 58235), (188, 58241), (191, 58253), (198, 58283), (207, 58319),

Gene: Xiaokay_129 Start: 72679, Stop: 73218, Start Num: 104

Candidate Starts for Xiaokay_129:

(Start: 104 @72679 has 27 MA's), (Start: 108 @72709 has 40 MA's), (130, 72823), (134, 72838), (142, 72895), (147, 72916), (154, 72949), (158, 72964), (161, 72976), (194, 73144), (202, 73183), (210, 73201),

Gene: YassJohnny_95 Start: 57147, Stop: 57647, Start Num: 108

Candidate Starts for YassJohnny_95:

(Start: 99 @57111 has 94 MA's), (Start: 108 @57147 has 40 MA's), (131, 57267), (138, 57306), (172, 57486), (183, 57540), (185, 57549), (187, 57555), (188, 57561), (191, 57573), (198, 57603), (207, 57639),

Gene: Yeet_127 Start: 72469, Stop: 73026, Start Num: 98

Candidate Starts for Yeet_127:

(Start: 98 @72469 has 14 MA's), (114, 72550), (130, 72631), (146, 72718), (158, 72772), (160, 72781), (161, 72784), (168, 72814), (194, 72952), (202, 72991),

Gene: Youngblood_101 Start: 59297, Stop: 59797, Start Num: 108

Candidate Starts for Youngblood_101:

(Start: 99 @59261 has 94 MA's), (Start: 108 @59297 has 40 MA's), (131, 59417), (138, 59456), (172, 59636), (183, 59690), (185, 59699), (187, 59705), (188, 59711), (191, 59723), (198, 59753), (207, 59789),

Gene: ZAYM_74 Start: 45625, Stop: 46326, Start Num: 66

Candidate Starts for ZAYM_74:

(10, 45253), (17, 45316), (21, 45337), (30, 45406), (Start: 66 @45625 has 11 MA's), (71, 45649), (84, 45682), (89, 45697), (91, 45712), (92, 45721), (Start: 101 @45766 has 1 MA's), (109, 45805), (124, 45889), (132, 45925), (140, 45967), (141, 45973), (147, 46012), (148, 46027), (149, 46033), (153, 46042), (169, 46111), (170, 46120), (183, 46189), (186, 46201), (189, 46216), (199, 46261), (205, 46288), (208, 46297), (211, 46312),

Gene: Zakai_85 Start: 55024, Stop: 55590, Start Num: 97

Candidate Starts for Zakai_85:

(Start: 97 @55024 has 65 MA's), (110, 55090), (127, 55171), (134, 55195), (149, 55294), (150, 55297), (158, 55321), (175, 55417), (188, 55477), (206, 55558),

Gene: Zameen_74 Start: 47946, Stop: 48620, Start Num: 75

Candidate Starts for Zameen_74:

(Start: 75 @47946 has 52 MA's), (Start: 79 @47955 has 8 MA's), (132, 48216), (147, 48300), (153, 48330), (207, 48585),

Gene: Zaria_82 Start: 52753, Stop: 53319, Start Num: 97

Candidate Starts for Zaria_82:

(Start: 97 @52753 has 65 MA's), (Start: 108 @52792 has 40 MA's), (Start: 112 @52825 has 2 MA's), (134, 52924), (135, 52936), (139, 52951), (149, 53023), (158, 53050), (166, 53086), (175, 53146), (180, 53164), (188, 53206), (206, 53287),

Gene: Zelink_128 Start: 73236, Stop: 73775, Start Num: 104

Candidate Starts for Zelink_128:

(Start: 104 @73236 has 27 MA's), (Start: 108 @73266 has 40 MA's), (130, 73380), (134, 73395), (142, 73452), (147, 73473), (154, 73506), (168, 73563), (194, 73701), (202, 73740),

Gene: Zirinka_73 Start: 49631, Stop: 50296, Start Num: 75

Candidate Starts for Zirinka_73:

(23, 49325), (Start: 75 @49631 has 52 MA's), (132, 49892), (147, 49976), (153, 50006), (207, 50261),

Gene: xkcd_101 Start: 59445, Stop: 59981, Start Num: 99

Candidate Starts for xkcd_101:

(Start: 99 @59445 has 94 MA's), (Start: 108 @59481 has 40 MA's), (131, 59601), (138, 59640), (172, 59820), (183, 59874), (185, 59883), (187, 59889), (188, 59895), (191, 59907), (198, 59937), (207, 59973),