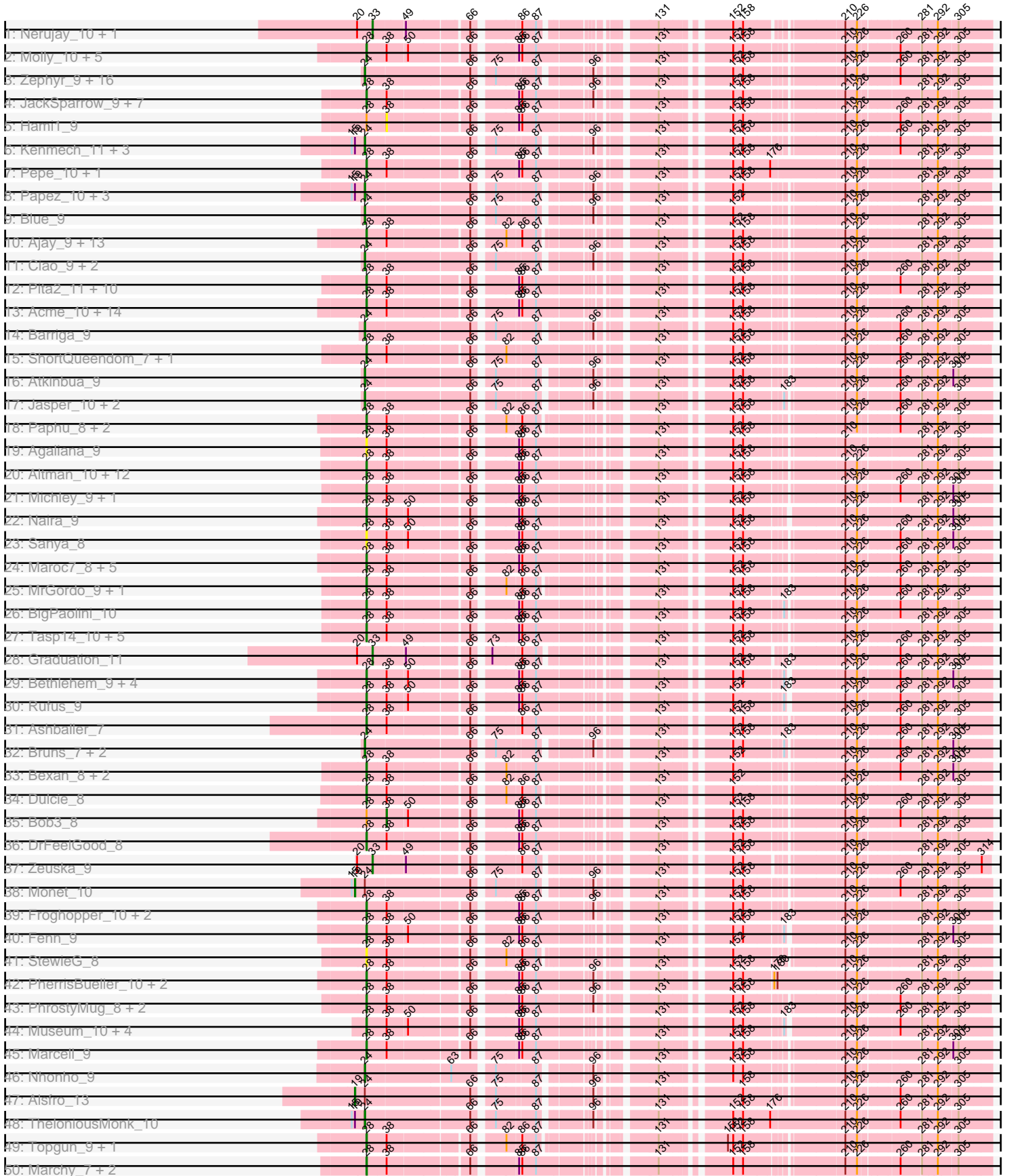
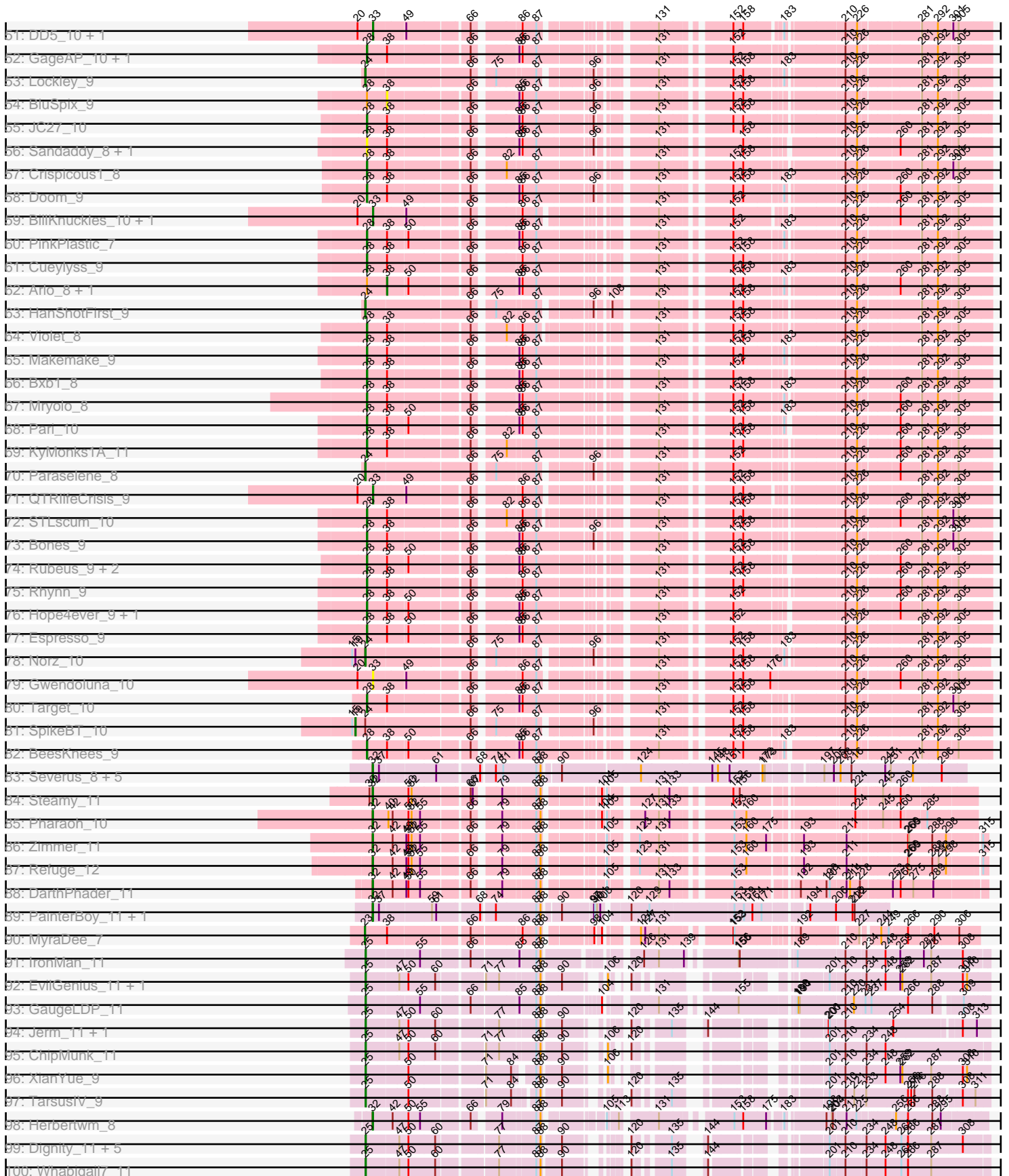


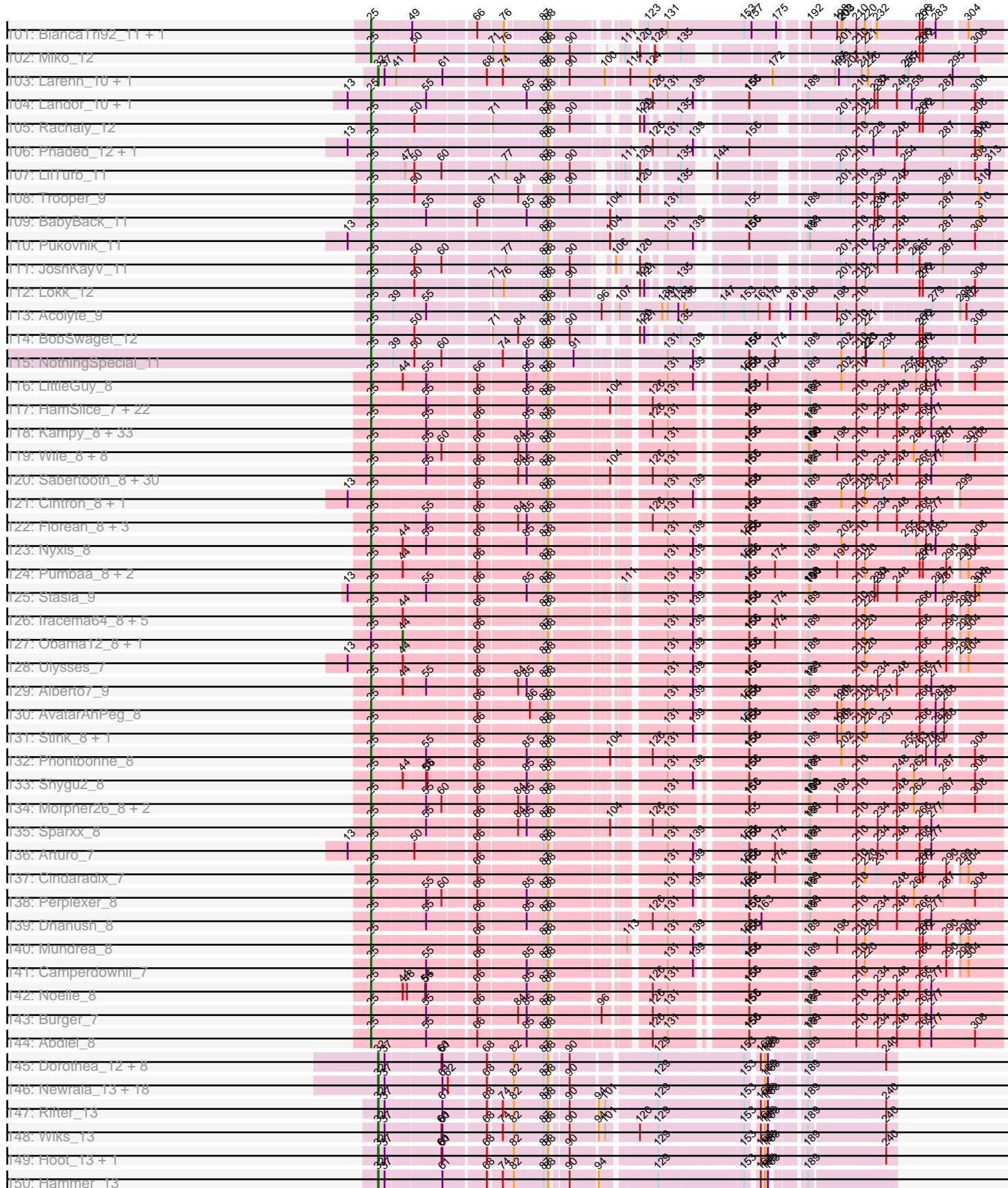
Pham 166349



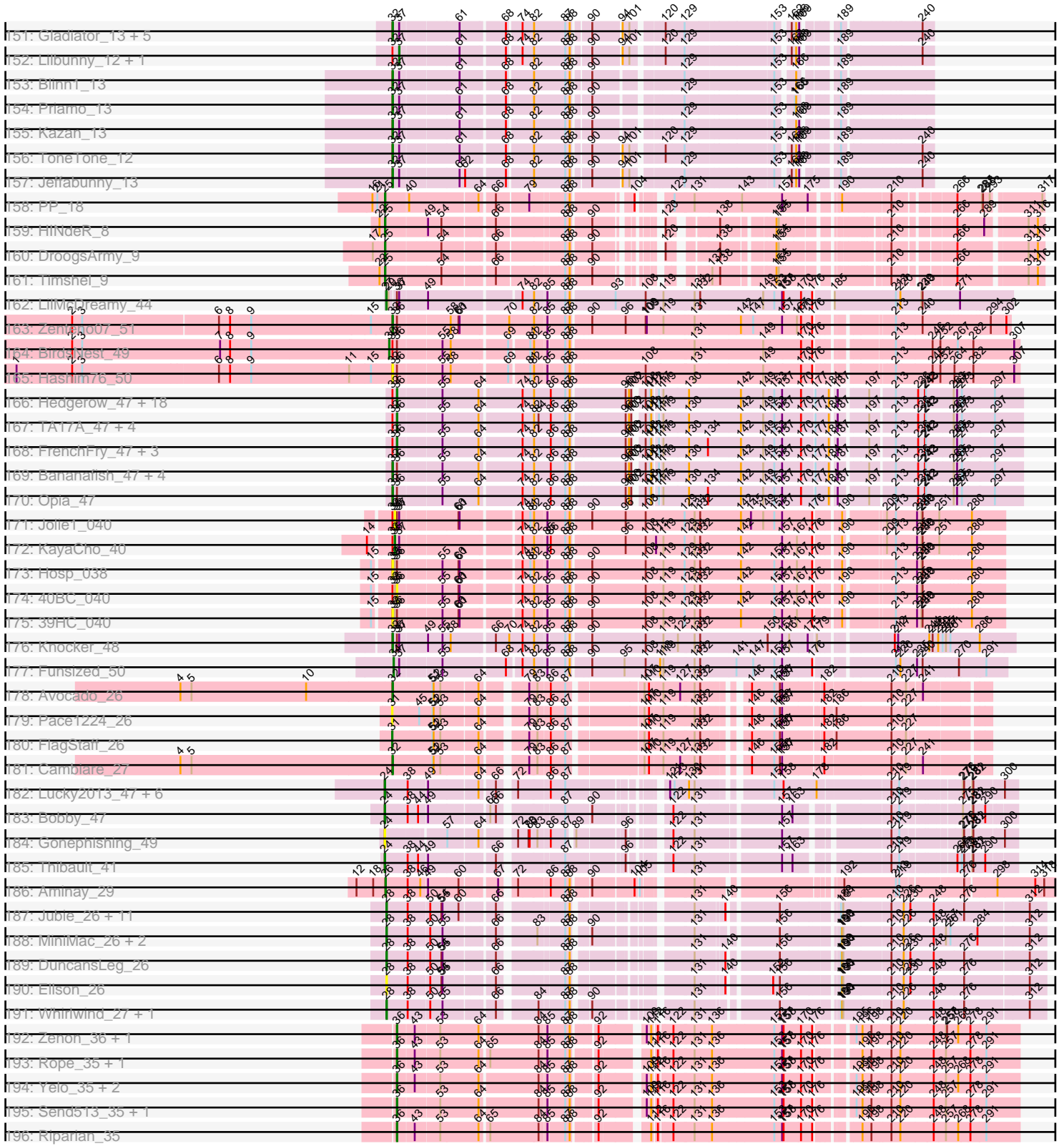
Pham 166349



Pham 166349



Pham 166349



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 166349 Report

This analysis was run 07/09/24 on database version 566.

Pham number 166349 has 541 members, 36 are drafts.

Phages represented in each track:

- Track 1 : Nerujay_10, KBG_10
- Track 2 : Molly_10, Petp2012_11, Burton_9, PascalRango_8, BPBiEbs31_10, KSSJEB_8
- Track 3 : Zephyr_9, Euphoria_9, Jerm2_9, MPlant7149_8, PattyP_10, BigMau_10, BaconJack_10, Niza_10, Corvo_9, Rohr_10, HermioneGrange_10, Carlyle_11, Lopton_10, MaryBeth_9, Manatee_9, MetalQZJ_9, RidgeCB_9
- Track 4 : JackSparrow_9, Moose_8, Trouble_9, Perseus_10, Sunshine924_8, Applejack_9, SwissCheese_9, Forsytheast_8
- Track 5 : Hami1_9
- Track 6 : Kenmech_11, Treddle_10, Edtherson_10, LiBib_9
- Track 7 : Pepe_10, Pelly_10
- Track 8 : Papez_10, Hermia_11, Gandalf20_10, Buttons_10
- Track 9 : Blue_9
- Track 10 : Ajay_9, Ringer_8, ILeeKay_11, Smeagol_10, SkiPole_11, PacerPaul_9, Kugel_10, Ohno789_8, Teodoridan_7, Dussy_10, AFIS_9, Francis47_9, Abbyshoes_10, Peterson_11
- Track 11 : Ciao_9, Fajezeel_10, Greg_10
- Track 12 : Pita2_11, Lesedi_8, Fushigi_9, Tote_11, Lamina13_9, Swole_11, PSullivan_11, Marge_9, Parliament_8, JuliaChild_11, Dexes_10
- Track 13 : Acme_10, Ruotula_8, Seanderson_10, Turj99_8, Big3_9, Magnar_9, Adahisdi_10, Pippin_10, Scowl_10, Abrogate_100, Sagefire_10, Tripl3t_10, Oogway_8, Chanagan_8, Homines_9
- Track 14 : Barriga_9
- Track 15 : ShortQueendom_7, Smairt_10
- Track 16 : Atkinbua_9
- Track 17 : Jasper_10, Marsha_9, Licorice_11
- Track 18 : Paphu_8, Alvin_10, Eyeball_9
- Track 19 : Agaliana_9
- Track 20 : Altman_10, Bircsak_9, Watermelon_11, A6_07, HarryOW_10, Gompeii16_9, GrecoEtereo_10, Anglerfish_9, Traft412_11, BK1_07, Pinto_11, Kanely_10, ConceptII_9
- Track 21 : Michley_9, Zeeculate_8
- Track 22 : Naira_9
- Track 23 : Sanya_8
- Track 24 : Maroc7_8, Fascinus_8, Thor_9, CactusRose_8, Wheeler_9, SarFire_9
- Track 25 : MrGordo_9, Snazzy_7
- Track 26 : BigPaolini_10

- Track 27 : Tasp14_10, Slagathor_9, Magnito_8, Rutherferd_10, Kykar_7, TwoPeat_10
- Track 28 : Graduation_11
- Track 29 : Bethlehem_9, U2_8, Ichabod_9, Briton15_10, Switzer_9
- Track 30 : Rufus_9
- Track 31 : Ashballer_7
- Track 32 : Bruns_7, Sumter_8, DreamCatcher_10
- Track 33 : Bexan_8, StrongArm_8, Beatrix_8
- Track 34 : Dulcie_8
- Track 35 : Bob3_8
- Track 36 : DrFeelGood_8
- Track 37 : Zeuska_9
- Track 38 : Monet_10
- Track 39 : Froghopper_10, IgnatiusPatJac_8, Petruchio_9
- Track 40 : Fenn_9
- Track 41 : StewieG_8
- Track 42 : PherrisBueller_10, Dreamboat_10, Jorgensen_9
- Track 43 : PhrostyMug_8, Aeneas_10, Mule_8
- Track 44 : Museum_10, Seabiscuit_10, McGuire_9, Killigrew_7, Dynamix_9
- Track 45 : Marcell_9
- Track 46 : Nhonho_9
- Track 47 : Alsfro_13
- Track 48 : TheloniousMonk_10
- Track 49 : Topgun_9, Wilkins_9
- Track 50 : Marchy_7, Payneful_8, Bigfoot_8
- Track 51 : DD5_10, Squee_9
- Track 52 : GageAP_10, Gyzlar_10
- Track 53 : Lockley_9
- Track 54 : BluSpix_9
- Track 55 : JC27_10
- Track 56 : Sandaddy_8, Sorpresa_8
- Track 57 : Crispicous1_8
- Track 58 : Doom_9
- Track 59 : BillKnuckles_10, Solon_9
- Track 60 : PinkPlastic_7
- Track 61 : Cueylyss_9
- Track 62 : Arlo_8, NEHalo_9
- Track 63 : HanShotFirst_9
- Track 64 : Violet_8
- Track 65 : Makemake_9
- Track 66 : Bxb1_8
- Track 67 : Mryolo_8
- Track 68 : Pari_10
- Track 69 : KyMonks1A_11
- Track 70 : Paraselene_8
- Track 71 : QTRlifeCrisis_9
- Track 72 : STLscum_10
- Track 73 : Bones_9
- Track 74 : Rubeus_9, Sibs6_10, Rajelicia_8
- Track 75 : Rhynn_9
- Track 76 : Hope4ever_9, Arcanine_9
- Track 77 : Espresso_9
- Track 78 : Norz_10

- Track 79 : Gwendoluna_10
- Track 80 : Target_10
- Track 81 : SpikeBT_10
- Track 82 : BeesKnees_9
- Track 83 : Severus_8, Drake94_8, KittenMittens_8, Poompha_8, PeaceMeal1_8, Trike_7
- Track 84 : Steamy_11
- Track 85 : Pharaoh_10
- Track 86 : Zimmer_11
- Track 87 : Refuge_12
- Track 88 : DarthPhader_11
- Track 89 : PainterBoy_11, Lucyedi_11
- Track 90 : MyraDee_7
- Track 91 : IronMan_11
- Track 92 : EvilGenius_11, KingCyrus_11
- Track 93 : GaugeLDP_11
- Track 94 : Jerm_11, Turbido_11
- Track 95 : ChipMunk_11
- Track 96 : XianYue_9
- Track 97 : TarsusIV_9
- Track 98 : Herbertwm_8
- Track 99 : Dignity_11, AbbyPaige_11, Buggy_11, Smeagan_11, Leviathan_11, Agape74_11
- Track 100 : Whabigail7_11
- Track 101 : BiancaTri92_11, Leogania_11
- Track 102 : Miko_12
- Track 103 : Larenn_10, Malec_10
- Track 104 : Landor_10, Bactobuster_10
- Track 105 : Rachaly_12
- Track 106 : Phaded_12, Jaan_12
- Track 107 : LilTurb_11
- Track 108 : Trooper_9
- Track 109 : BabyBack_11
- Track 110 : Pukovnik_11
- Track 111 : JoshKayV_11
- Track 112 : Lokk_12
- Track 113 : Acolyte_9
- Track 114 : BobSwaget_12
- Track 115 : NothingSpecial_11
- Track 116 : LittleGuy_8
- Track 117 : HamSlice_7, TiroTheta9_8, LeoAvram_8, Koreni_7, OKaNui_8, TroyPia_8, JetBlade_8, Eagle_7, Relief_8, Eapen_8, Kingmustik0402_8, Iceman_8, Polymorphads_8, TinaFeyge_8, Spino_8, NorthStar_8, Happiness_8, Romney_8, Nebs_8, Wilbur_8, Deano_8, Flux_8, Eurydice_8
- Track 118 : Kampy_8, Lorenzo_8, Ohfah_8, Kratak_8, Maxo_8, JoongJeon_8, Phacado_8, Albee_8, Bombshell_8, Maverick_8, Phelipe_8, Avle17_8, Taquarus_8, BellusTerra_8, Commander_8, TygerBlood_8, Gadost_8, Melvin_8, Palestino_8, Caelakin_8, DirtyDunning_8, Kyee_8, Cocoaberry_8, Bruiser_8, Houdini22_8, Nemo27_8, BubbleTrouble_8, Broseidon_8, NotAPhaseMom_8, Skipitt_8, Shaka_8, Chaph_8, Mazhar510_8, Wander_8
- Track 119 : Wile_8, Badger_8, PetiteSangsue_8, Cici_8, Katalie136_8, Xena_8, Datway_8, Achebe_8, Backyardigan_8

- Track 120 : Sabertooth_8, CentreCat_8, Clarenza_8, Ruin_8, Holli_8, Connomayer_8, Eros_8, Peaches_8, ICleared_8, Wizard007_8, MeeZee_8, Millski_8, Baby16_8, Pipcraft_8, Medusa_8, Citius_8, LappelDuVide_7, Roosevelt_8, Funston_8, KFPoly_8, Lunsford_9, Blackmoor_8, Scamp_8, PeterPeter_8, Jaykayelowell_8, Lemur_8, Bartimeaus_8, Eris_8, Druantia_8, Thanksgivukkah_8, Morrow_8
- Track 121 : Cintron_8, Kremtemulon_7
- Track 122 : Florean_8, LittleB_8, Annyong_8, YoSam321_8
- Track 123 : Nyxis_8
- Track 124 : Pumbaa_8, Phighter1804_8, LochMonster_8
- Track 125 : Stasia_9
- Track 126 : Iracema64_8, LHTSCC_8, SheldonCooper_8, ChampagnePapi_8, BangNhom_7, Cerulean_8
- Track 127 : Obama12_8, Tinybot_7
- Track 128 : Ulysses_7
- Track 129 : Alberto7_9
- Track 130 : AvatarAhPeg_8
- Track 131 : Stink_8, Miramae_8
- Track 132 : Phontbonne_8
- Track 133 : Shygu2_8
- Track 134 : Morpher26_8, AbbysRanger_8, Bumblebee11_8
- Track 135 : Sparxx_8
- Track 136 : Arturo_7
- Track 137 : Cindaradix_7
- Track 138 : Perplexer_8
- Track 139 : Dhanush_8
- Track 140 : Mundrea_8
- Track 141 : Camperdownii_7
- Track 142 : Noelle_8
- Track 143 : Burger_7
- Track 144 : Abdiel_8
- Track 145 : Dorothea_12, McFly_13, VohminGhazi_13, SmellyB_13, Chartreuse_13, DaVinci_13, Kipper29_13, Candra_13, GreedyLawyer_13
- Track 146 : Newrala_13, Cookiedough_13, Isiphiwo_13, Koko_13, SuperCallie99_13, Tucker_13, JewelBug_13, Pmask_13, Jordennis_13, Neeharika16_13, Roksolana_13, Helmet_14, BABullseye_13, Artemis2UCLA_13, EricB_13, Indra_13, Hexamo_13, SuperAwesome_13, Garak_14
- Track 147 : Rifter_13
- Track 148 : Wiks_13
- Track 149 : Hoot_13, CloudWang3_13
- Track 150 : Hammer_13
- Track 151 : Gladiator_13, Blue7_13, Yokurt_13, Gruunaga_13, WunderPhul_13, Zaka_13
- Track 152 : Lilbunny_12, Zulu_13
- Track 153 : Blinn1_13
- Track 154 : Priamo_13
- Track 155 : Kazan_13
- Track 156 : ToneTone_12
- Track 157 : Jeffabunny_13
- Track 158 : PP_18
- Track 159 : HINdeR_8
- Track 160 : DroogsArmy_9
- Track 161 : Timshel_9

- Track 162 : LilMcDreamy_44
- Track 163 : Zenteno07_51
- Track 164 : BirdsNest_49
- Track 165 : Hashim76_50
- Track 166 : Hedgerow_47, Rhinoforte_47, Boyle_47, Eaglehorse_47, Lars_47, MasterPo_47, Tres_47, Tinciduntolum_48, Holeinone_47, Allegro_47, Glass_47, Lephleur_47, Kheth_47, Brownie5_47, Calamitous_47, Coffee_47, Godines_47, West99_47, Laurie_46
- Track 167 : TA17A_47, Ares_47, Phantasmagoria_47, LizLemon_47, Faze9_46
- Track 168 : FrenchFry_47, Sabella_46, ItsyBitsy1_47, Kaleb_47
- Track 169 : Bananafish_47, Blocker23_47, Qyrzula_44, Arbiter_46, Rosebush_46
- Track 170 : Opia_47
- Track 171 : Jolie1_040
- Track 172 : KayaCho_40
- Track 173 : Hosp_038
- Track 174 : 40BC_040
- Track 175 : 39HC_040
- Track 176 : Knocker_48
- Track 177 : Funsized_50
- Track 178 : Avocado_26
- Track 179 : Pace1224_26
- Track 180 : FlagStaff_26
- Track 181 : Cambiare_27
- Track 182 : Lucky2013_47, Courthouse_47, Superphikiman_47, Porcelain_46, Ariel_47, Squint_46, MiaZeal_47
- Track 183 : Bobby_47
- Track 184 : Gonephishing_49
- Track 185 : Thibault_41
- Track 186 : Aminay_29
- Track 187 : Jubie_26, Bellis_26, Snenia_26, Finnry_26, Clautastrophe_26, Nicholas_26, Moostard_26, Lumos_26, Samty_26, Kingsolomon_26, MsGreen_26, Jobypre_26
- Track 188 : MiniMac_26, MiniLon_26, Lolly9_26
- Track 189 : DuncansLeg_26
- Track 190 : Ellson_26
- Track 191 : Whirlwind_27, Krypton555_26
- Track 192 : Zenon_36, Nilo_36
- Track 193 : Rope_35, Papyrus_35
- Track 194 : Yelo_35, Weiss13_35, MontyDev_35
- Track 195 : Send513_35, Candle_35
- Track 196 : Riparian_35

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

The start number called the most often in the published annotations is 25, it was called in 169 of the 505 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AbbyPaige_11, AbbysRanger_8, Abdiel_8, Achebe_8, Acolyte_9, Agape74_11, Albee_8, Alberto7_9, Annyong_8, Arturo_7, AvatarAhPeg_8, Avle17_8, Baby16_8,

BabyBack_11, Backyardigan_8, Bactobuster_10, Badger_8, BangNhom_7, Bartimeaus_8, BellusTerra_8, BiancaTri92_11, Blackmoor_8, BobSwaget_12, Bombshell_8, Broseidon_8, Bruiser_8, BubbleTrouble_8, Buggy_11, Bumblebee11_8, Burger_7, Caelakin_8, Camperdownii_7, CentreCat_8, Cerulean_8, ChampagnePapi_8, Chaph_8, ChipMunk_11, Cici_8, Cindaradix_7, Cintron_8, Citius_8, Clarenza_8, Cocoaberry_8, Commander_8, Connomayer_8, Datway_8, Deano_8, Dhanush_8, Dignity_11, DirtyDunning_8, DroogsArmy_9, Druantia_8, Eagle_7, Eapen_8, Eris_8, Eros_8, Eurydice_8, EvilGenius_11, Florean_8, Flux_8, Funston_8, Gadost_8, GaugeLDP_11, HINdeR_8, HamSlice_7, Happiness_8, Holli_8, Houdini22_8, ICleared_8, Iceman_8, Iracema64_8, IronMan_11, Jaan_12, Jaykayelowell_8, Jerm_11, JetBlade_8, JoongJeon_8, JoshKayV_11, KFPoly_8, Kamy_8, Katalie136_8, KingCyrus_11, Kingmustik0402_8, Koreni_7, Kratak_8, Kremtemulon_7, Kyee_8, LHTSCC_8, Landor_10, LappelDuVide_7, Lemur_8, LeoAvram_8, Leogania_11, Leviathan_11, LilTurb_11, LittleB_8, LittleGuy_8, LochMonster_8, Lokk_12, Lorenzo_8, Lunsford_9, Maverick_8, Maxo_8, Mazhar510_8, Medusa_8, MeeZee_8, Melvin_8, Miko_12, Millski_8, Miramae_8, Morpher26_8, Morrow_8, Mundrea_8, Nebs_8, Nemo27_8, Noelle_8, NorthStar_8, NotAPhaseMom_8, NothingSpecial_11, Nyxis_8, OKaNui_8, Ohfah_8, PP_18, Palestino_8, Peaches_8, Perplexer_8, PeterPeter_8, PetiteSangsue_8, Phacado_8, Phaded_12, Phelipe_8, Phighter1804_8, Phontbonne_8, Pipcraft_8, Polymorphads_8, Pukovnik_11, Pumbaa_8, Rachaly_12, Relief_8, Romney_8, Roosevelt_8, Ruin_8, Sabertooth_8, Scamp_8, Shaka_8, SheldonCooper_8, Shygu2_8, Skipitt_8, Smeagan_11, Sparxx_8, Spino_8, Stasia_9, Stink_8, Taquarus_8, TarsusIV_9, Thanksgivukkah_8, Timshel_9, TinaFeyge_8, TiroTheta9_8, Trooper_9, TroyPia_8, Turbido_11, TygerBlood_8, Ulysses_7, Wander_8, Whabigail7_11, Wilbur_8, Wile_8, Wizard007_8, Xena_8, XianYue_9, YoSam321_8,

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

- Obama12_8, Tinybot_7,

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

- 39HC_040, 40BC_040, A6_07, AFIS_9, Abbyshoes_10, Abrogate_100, Acme_10, Adahisdi_10, Aeneas_10, Agaliana_9, Ajay_9, Allegro_47, Alsfro_13, Altman_10, Alvin_10, Aminay_29, Anglerfish_9, Applejack_9, Arbiter_46, Arcanine_9, Ares_47, Ariel_47, Arlo_8, Artemis2UCLA_13, Ashballer_7, Atkinbua_9, Avocado_26, BABullseye_13, BK1_07, BPBiebs31_10, BaconJack_10, Bananafish_47, Barriga_9, Beatrix_8, BeesKnees_9, Bellis_26, Bethlehem_9, Bexan_8, Big3_9, BigMau_10, BigPaolini_10, Bigfoot_8, BillKnuckles_10, Bircsak_9, BirdsNest_49, Blinn1_13, Blocker23_47, BluSpix_9, Blue7_13, Blue_9, Bob3_8, Bobby_47, Bones_9, Boyle_47, Briton15_10, Brownie5_47, Brunns_7, Burton_9, Buttons_10, Bxb1_8, CactusRose_8, Calamitous_47, Cambiare_27, Candle_35, Candra_13, Carlyle_11, Chanagan_8, Chartreuse_13, Ciao_9, Clautastrophe_26, CloudWang3_13, Coffee_47, ConceptII_9, Cookiedough_13, Corvo_9, Courthouse_47, Crispicous1_8, Cueyllyss_9, DD5_10, DaVinci_13, DarthPhader_11, Dexes_10, Doom_9, Dorothea_12, DrFeelGood_8, Drake94_8, DreamCatcher_10, Dreamboat_10, Dulcie_8, DuncansLeg_26, Dussy_10, Dynamix_9, Eaglehorse_47, Edtherson_10, Ellson_26, EricB_13, Espresso_9, Euphoria_9, Eyeball_9, Fajezeel_10, Fascinus_8, Faze9_46, Fenn_9, Finnry_26, FlagStaff_26, Forsytheast_8, Francis47_9, FrenchFry_47, Froghopper_10, Funsized_50, Fushigi_9, GageAP_10, Gandalf20_10, Garak_14, Gladiator_13, Glass_47, Godines_47, Gompeii16_9, Gonephishing_49, Graduation_11, GrecoEtereo_10, GreedyLawyer_13, Greg_10, Gruunaga_13, Gwendoluna_10, Gyzlar_10, Hami1_9, Hammer_13, HanShotFirst_9, HarryOW_10,

Hashim76_50, Hedgerow_47, Helmet_14, Herbertwm_8, Hermia_11, HermioneGrange_10, Hexamo_13, Holeinone_47, Homines_9, Hoot_13, Hope4ever_9, Hosp_038, ILeeKay_11, Ichabod_9, IgnatiusPatJac_8, Indra_13, Isiphiwo_13, ItsyBitsy1_47, JC27_10, JackSparrow_9, Jasper_10, Jeffabunny_13, Jerm2_9, JewelBug_13, Jobypre_26, Jolie1_040, Jordennis_13, Jorgensen_9, Jubie_26, JuliaChild_11, KBG_10, KSSJEB_8, Kaleb_47, Kanely_10, KayaCho_40, Kazan_13, Kenmech_11, Kheth_47, Killigrew_7, Kingsolomon_26, Kipper29_13, KittenMittens_8, Knocker_48, Koko_13, Krypton555_26, Kugel_10, KyMonks1A_11, Kykar_7, Lamina13_9, Larenn_10, Lars_47, Laurie_46, Lephleur_47, Lesedi_8, Licorice_11, LilBib_9, LilMcDreamy_44, Lilbunny_12, LizLemon_47, Lockley_9, Lolly9_26, Lopton_10, Lucky2013_47, Lucyedi_11, Lumos_26, MPlant7149_8, Magnar_9, Magnito_8, Makemake_9, Malec_10, Manatee_9, Marcell_9, Marchy_7, Marge_9, Maroc7_8, Marsha_9, MaryBeth_9, MasterPo_47, McFly_13, McGuire_9, MetalQZJ_9, MiaZeal_47, Michley_9, MiniLon_26, MiniMac_26, Molly_10, Monet_10, MontyDev_35, Moose_8, Moostard_26, MrGordo_9, Mryolo_8, MsGreen_26, Mule_8, Museum_10, MyraDee_7, NEHalo_9, Naira_9, Neeharika16_13, Nerujay_10, Newrala_13, Nhonho_9, Nicholas_26, Nilo_36, Niza_10, Norz_10, Ohno789_8, Oogway_8, Opia_47, PSullivan_11, Pace1224_26, PacerPaul_9, PainterBoy_11, Papez_10, Paphu_8, Papyrus_35, Paraselene_8, Pari_10, Parliament_8, PascalRango_8, PattyP_10, Payneful_8, PeaceMeal1_8, Pelly_10, Pepe_10, Perseus_10, Peterson_11, Petp2012_11, Petruchio_9, Phantasmagoria_47, Pharaoh_10, PherrisBueller_10, PhrostyMug_8, PinkPlastic_7, Pinto_11, Pippin_10, Pita2_11, Pmask_13, Poompha_8, Porcelain_46, Priamo_13, QTRlifeCrisis_9, Qyrzula_44, Rajelicia_8, Refuge_12, Rhinoforte_47, Rhynn_9, RidgeCB_9, Rifter_13, Ringer_8, Riparian_35, Rohr_10, Roksolana_13, Rope_35, Rosebush_46, Rubeus_9, Rufus_9, Ruotula_8, Rutherford_10, STLscum_10, Sabella_46, Sagefire_10, Samty_26, Sandaddy_8, Sanya_8, SarFire_9, Scowl_10, Seabiscuit_10, Seanderson_10, Send513_35, Severus_8, ShortQueendom_7, Sibs6_10, SkiPole_11, Slagathor_9, Smairt_10, Smeagol_10, SmellyB_13, Snazzy_7, Snenia_26, Solon_9, Sorpresa_8, SpikeBT_10, Squee_9, Squint_46, Steamy_11, StewieG_8, StrongArm_8, Sumter_8, Sunshine924_8, SuperAwesome_13, SuperCallie99_13, Superphikiman_47, SwissCheese_9, Switzer_9, Swole_11, TA17A_47, Target_10, Tasp14_10, Teodoridan_7, TheloniousMonk_10, Thibault_41, Thor_9, Tinciduntolum_48, ToneTone_12, Topgun_9, Tote_11, Traft412_11, Treddle_10, Tres_47, Trike_7, Tripl3t_10, Trouble_9, Tucker_13, Turj99_8, TwoPeat_10, U2_8, Violet_8, VohminGhazi_13, Watermelon_11, Weiss13_35, West99_47, Wheeler_9, Whirlwind_27, Wiks_13, Wilkins_9, WunderPhul_13, Yelo_35, Yokurt_13, Zaka_13, Zeeculate_8, Zenon_36, Zenteno07_51, Zephyr_9, Zeuska_9, Zimmer_11, Zulu_13,

Summary by start number:

Start 19:

- Found in 13 of 541 (2.4%) of genes in pham
- Manual Annotations of this start: 3 of 505
- Called 23.1% of time when present
- Phage (with cluster) where this start called: Alsfro_13 (A1), Monet_10 (A1), SpikeBT_10 (A1),

Start 23:

- Found in 1 of 541 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 505
- Called 100.0% of time when present

- Phage (with cluster) where this start called: MyraDee_7 (A18),

Start 24:

- Found in 56 of 541 (10.4%) of genes in pham
- Manual Annotations of this start: 52 of 505
- Called 94.6% of time when present
- Phage (with cluster) where this start called: Ariel_47 (J), Atkinbua_9 (A1), BaconJack_10 (A1), Barriga_9 (A1), BigMau_10 (A1), Blue_9 (A1), Bobby_47 (J), Bruns_7 (A1), Buttons_10 (A1), Carlyle_11 (A1), Ciao_9 (A1), Corvo_9 (A1), Courthouse_47 (J), DreamCatcher_10 (A1), Edtherson_10 (A1), Euphoria_9 (A1), Fajezeel_10 (A1), Gandalf20_10 (A1), Gonephishing_49 (J), Greg_10 (A1), HanShotFirst_9 (A1), Hermia_11 (A1), HermioneGrange_10 (A1), Jasper_10 (A1), Jerm2_9 (A1), Kenmech_11 (A1), Licorice_11 (A1), LilBib_9 (A1), Lockley_9 (A1), Lopton_10 (A1), Lucky2013_47 (J), MPlant7149_8 (A1), Manatee_9 (A1), Marsha_9 (A1), MaryBeth_9 (A1), MetalQZJ_9 (A1), MiaZeal_47 (J), Nhonho_9 (A1), Niza_10 (A1), Norz_10 (A1), Papez_10 (A1), Paraselene_8 (A1), PattyP_10 (A1), Porcelain_46 (J), RidgeCB_9 (A1), Rohr_10 (A1), Squint_46 (J), Sumter_8 (A1), Superphikiman_47 (J), TheloniousMonk_10 (A1), Thibault_41 (J), Treddle_10 (A1), Zephyr_9 (A1),

Start 25:

- Found in 174 of 541 (32.2%) of genes in pham
- Manual Annotations of this start: 169 of 505
- Called 98.9% of time when present
- Phage (with cluster) where this start called: AbbyPaige_11 (A2), AbbysRanger_8 (A4), Abdiel_8 (A4), Achebe_8 (A4), Acolyte_9 (A2), Agape74_11 (A2), Albee_8 (A4), Alberto7_9 (A4), Annyong_8 (A4), Arturo_7 (A4), AvatarAhPeg_8 (A4), Avle17_8 (A4), Baby16_8 (A4), BabyBack_11 (A2), Backyardigan_8 (A4), Bactobuster_10 (A2), Badger_8 (A4), BangNhom_7 (A4), Bartimeaus_8 (A4), BellusTerra_8 (A4), BiancaTri92_11 (A2), Blackmoor_8 (A4), BobSwaget_12 (A2), Bombshell_8 (A4), Broseidon_8 (A4), Bruiser_8 (A4), BubbleTrouble_8 (A4), Buggy_11 (A2), Bumblebee11_8 (A4), Burger_7 (A4), Caelakin_8 (A4), Camperdownii_7 (A4), CentreCat_8 (A4), Cerulean_8 (A4), ChampagnePapi_8 (A4), Chaph_8 (A4), ChipMunk_11 (A2), Cici_8 (A4), Cindaradix_7 (A4), Cintron_8 (A4), Citius_8 (A4), Clarenza_8 (A4), Cocoaberry_8 (A4), Commander_8 (A4), Connomayer_8 (A4), Datway_8 (A4), Deano_8 (A4), Dhanush_8 (A4), Dignity_11 (A2), DirtyDunning_8 (A4), DroogsArmy_9 (A7), Druantia_8 (A4), Eagle_7 (A4), Eapen_8 (A4), Eris_8 (A4), Eros_8 (A4), Eurydice_8 (A4), EvilGenius_11 (A2), Florean_8 (A4), Flux_8 (A4), Funston_8 (A4), Gadost_8 (A4), GaugeLDP_11 (A2), HINdeR_8 (A7), HamSlice_7 (A4), Happiness_8 (A4), Holli_8 (A4), Houdini22_8 (A4), ICleared_8 (A4), Iceman_8 (A4), Iracema64_8 (A4), IronMan_11 (A2), Jaan_12 (A2), Jaykayelowell_8 (A4), Jerm_11 (A2), JetBlade_8 (A4), JoongJeon_8 (A4), JoshKayV_11 (A2), KFPoly_8 (A4), Kamy_8 (A4), Katalie136_8 (A4), KingCyrus_11 (A2), Kingmustik0402_8 (A4), Koreni_7 (A4), Kratark_8 (A4), Kremtemulon_7 (A4), Kye_8 (A4), LHTSCC_8 (A4), Landor_10 (A2), LappelDuVide_7 (A4), Lemur_8 (A4), LeoAvram_8 (A4), Leogania_11 (A2), Leviathan_11 (A2), LilTurb_11 (A2), LittleB_8 (A4), LittleGuy_8 (A4), LochMonster_8 (A4), Lokk_12 (A2), Lorenzo_8 (A4), Lunsford_9 (A4), Maverick_8 (A4), Maxo_8 (A4), Mazhar510_8 (A4), Medusa_8 (A4), MeeZee_8 (A4), Melvin_8 (A4), Miko_12 (A2), Millski_8 (A4), Miramae_8 (A4), Morpher26_8 (A4), Morrow_8 (A4), Mundrea_8 (A4), Nebs_8 (A4), Nemo27_8 (A4), Noelle_8 (A4), NorthStar_8 (A4), NotAPhaseMom_8 (A4), NothingSpecial_11 (A2), Nyxis_8 (A4), OKaNui_8 (A4), Ohfah_8 (A4), PP_18 (A7), Palestino_8 (A4), Peaches_8 (A4), Perplexer_8 (A4), PeterPeter_8 (A4), PetiteSangsue_8 (A4), Phacado_8 (A4),

Phaded_12 (A2), Phelipe_8 (A4), Phighter1804_8 (A4), Phontbonne_8 (A4), Pipcraft_8 (A4), Polymorphads_8 (A4), Pukovnik_11 (A2), Pumbaa_8 (A4), Rachaly_12 (A2), Relief_8 (A4), Romney_8 (A4), Roosevelt_8 (A4), Ruin_8 (A4), Sabertooth_8 (A4), Scamp_8 (A4), Shaka_8 (A4), SheldonCooper_8 (A4), Shygu2_8 (A4), Skipitt_8 (A4), Smeagan_11 (A2), Sparxx_8 (A4), Spino_8 (A4), Stasia_9 (A4), Stink_8 (A4), Taquarus_8 (A4), TarsusIV_9 (A2), Thanksgivukkah_8 (A4), Timshel_9 (A7), TinaFeyge_8 (A4), TiroTheta9_8 (A4), Trooper_9 (A2), TroyPia_8 (A4), Turbido_11 (A2), TygerBlood_8 (A4), Ulysses_7 (A4), Wander_8 (A4), Whabigail7_11 (A2), Wilbur_8 (A4), Wile_8 (A4), Wizard007_8 (A4), Xena_8 (A4), XianYue_9 (A2), YoSam321_8 (A4),

Start 26:

- Found in 1 of 541 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 505
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aminay_29 (K7),

Start 27:

- Found in 1 of 541 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 505
- Called 100.0% of time when present
- Phage (with cluster) where this start called: LilMcDreamy_44 (B12),

Start 28:

- Found in 178 of 541 (32.9%) of genes in pham
- Manual Annotations of this start: 159 of 505
- Called 97.2% of time when present
- Phage (with cluster) where this start called: A6_07 (A1), AFIS_9 (A1), Abbyshoes_10 (A1), Abrogate_100 (A1), Acme_10 (A1), Adahisdi_10 (A1), Aeneas_10 (A1), Agaliana_9 (A1), Ajay_9 (A1), Altman_10 (A1), Alvin_10 (A1), Anglerfish_9 (A1), Applejack_9 (A1), Arcanine_9 (A1), Ashballer_7 (A1), BK1_07 (A1), BPBiabs31_10 (A1), Beatrix_8 (A1), BeesKnees_9 (A1), Bellis_26 (L3), Bethlehem_9 (A1), Bexan_8 (A1), Big3_9 (A1), BigPaolini_10 (A1), Bigfoot_8 (A1), Bircsak_9 (A1), Bones_9 (A1), Briton15_10 (A1), Burton_9 (A1), Bxb1_8 (A1), CactusRose_8 (A1), Chanagan_8 (A1), Clautastrophe_26 (L3), ConceptII_9 (A1), Crispicous1_8 (A1), Cueyllyss_9 (A1), Dexes_10 (A1), Doom_9 (A1), DrFeelGood_8 (A1), Dreamboat_10 (A1), Dulcie_8 (A1), DuncansLeg_26 (L3), Dussy_10 (A1), Dynamix_9 (A1), Ellson_26 (L3), Espresso_9 (A1), Eyeball_9 (A1), Fascinus_8 (A1), Fenn_9 (A1), Finnry_26 (L3), Forsytheast_8 (A1), Francis47_9 (A1), Froghopper_10 (A1), Fushigi_9 (A1), GageAP_10 (A1), Gompeii16_9 (A1), GrecoEtereo_10 (A1), Gyzlar_10 (A1), HarryOW_10 (A1), Homines_9 (A1), Hope4ever_9 (A1), ILeeKay_11 (A1), Ichabod_9 (A1), IgnatiusPatJac_8 (A1), JC27_10 (A1), JackSparrow_9 (A1), Jobypre_26 (L3), Jorgensen_9 (A1), Jubie_26 (L3), JuliaChild_11 (A1), KSSJEB_8 (A1), Kanely_10 (A1), Killigrew_7 (A1), Kingsolomon_26 (L3), Krypton555_26 (L3), Kugel_10 (A1), KyMonks1A_11 (A1), Kykar_7 (A1), Lamina13_9 (A1), Lesedi_8 (A1), Lolly9_26 (L3), Lumos_26 (L3), Magnar_9 (A1), Magnito_8 (A1), Makemake_9 (A1), Marcell_9 (A1), Marchy_7 (A1), Marge_9 (A1), Maroc7_8 (A1), McGuire_9 (A1), Michley_9 (A1), MiniLon_26 (L3), MiniMac_26 (L3), Molly_10 (A1), Moose_8 (A1), Moostard_26 (L3), MrGordo_9 (A1), Mryolo_8 (A1), MsGreen_26 (L3), Mule_8 (A1), Museum_10 (A1), Naira_9 (A1), Nicholas_26 (L3), Ohno789_8 (A1), Oogway_8 (A1), PSullivan_11 (A1), PacerPaul_9 (A1), Paphu_8 (A1), Pari_10 (A1), Parliament_8 (A1), PascalRango_8 (A1), Payneful_8 (A1), Pelly_10 (A1), Pepe_10 (A1), Perseus_10 (A1), Peterson_11 (A1), Petp2012_11 (A1), Petruccio_9 (A1),

PherrisBueller_10 (A1), PhrostyMug_8 (A1), PinkPlastic_7 (A1), Pinto_11 (A1), Pippin_10 (A1), Pita2_11 (A1), Rajelicia_8 (A1), Rhynn_9 (A1), Ringer_8 (A1), Rubeus_9 (A1), Rufus_9 (A1), Ruotula_8 (A1), Rutherferd_10 (A1), STLscum_10 (A1), Sagefire_10 (A1), Samty_26 (L3), Sandaddy_8 (A1), Sanya_8 (A1), SarFire_9 (A1), Scowl_10 (A1), Seabiscuit_10 (A1), Seanderson_10 (A1), ShortQueendom_7 (A1), Sibs6_10 (A1), SkiPole_11 (A1), Slagathor_9 (A1), Smairt_10 (A1), Smeagol_10 (A1), Snazzy_7 (A1), Snenia_26 (L3), Sorpresa_8 (A1), StewieG_8 (A1), StrongArm_8 (A1), Sunshine924_8 (A1), SwissCheese_9 (A1), Switzer_9 (A1), Swole_11 (A1), Target_10 (A1), Tasp14_10 (A1), Teodoridan_7 (A1), Thor_9 (A1), Topgun_9 (A1), Tote_11 (A1), Traft412_11 (A1), Tripl3t_10 (A1), Trouble_9 (A1), Turj99_8 (A1), TwoPeat_10 (A1), U2_8 (A1), Violet_8 (A1), Watermelon_11 (A1), Wheeler_9 (A1), Whirlwind_27 (L3), Wilkins_9 (A1), Zeeculate_8 (A1),

Start 30:

- Found in 2 of 541 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 505
- Called 50.0% of time when present
- Phage (with cluster) where this start called: BirdsNest_49 (B13),

Start 31:

- Found in 2 of 541 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 505
- Called 100.0% of time when present
- Phage (with cluster) where this start called: FlagStaff_26 (G2), Pace1224_26 (G2),

Start 32:

- Found in 107 of 541 (19.8%) of genes in pham
- Manual Annotations of this start: 65 of 505
- Called 68.2% of time when present
- Phage (with cluster) where this start called: 39HC_040 (B6), Arbiter_46 (B2), Artemis2UCLA_13 (A6), Avocado_26 (G2), BABullseye_13 (A6), Bananafish_47 (B2), Blinn1_13 (A6), Blocker23_47 (B2), Blue7_13 (A6), Cambiare_27 (G2), Candra_13 (A6), Chartreuse_13 (A6), CloudWang3_13 (A6), Cookiedough_13 (A6), DaVinci_13 (A6), DarthPhader_11 (A12), Dorothea_12 (A6), Drake94_8 (A10), EricB_13 (A6), Garak_14 (A6), Gladiator_13 (A6), GreedyLawyer_13 (A6), Gruunaga_13 (A6), Hammer_13 (A6), Hashim76_50 (B13), Helmet_14 (A6), Herbertwm_8 (A2), Hexamo_13 (A6), Hoot_13 (A6), Hosp_038 (B6), Indra_13 (A6), Isiphiwo_13 (A6), Jeffabunny_13 (A6), JewelBug_13 (A6), Jordennis_13 (A6), Kazan_13 (A6), Kipper29_13 (A6), KittenMittens_8 (A10), Knocker_48 (B9), Koko_13 (A6), Larenn_10 (A2), Lucyedi_11 (A16), Malec_10 (A2), McFly_13 (A6), Neeharika16_13 (A6), Newrala_13 (A6), Opia_47 (B2), PainterBoy_11 (A16), PeaceMeal1_8 (A10), Pharaoh_10 (A12), Pmask_13 (A6), Poompha_8 (A10), Priamo_13 (A6), Qyrzula_44 (B2), Refuge_12 (A12), Rifter_13 (A6), Roksolana_13 (A6), Rosebush_46 (B2), Severus_8 (A10), SmellyB_13 (A6), Steamy_11 (A12), SuperAwesome_13 (A6), SuperCallie99_13 (A6), ToneTone_12 (A6), Trike_7 (A10), Tucker_13 (A6), VohminGhazi_13 (A6), Wiks_13 (A6), WunderPhul_13 (A6), Yokurt_13 (A6), Zaka_13 (A6), Zenteno07_51 (B13), Zimmer_11 (A12),

Start 33:

- Found in 10 of 541 (1.8%) of genes in pham
- Manual Annotations of this start: 9 of 505
- Called 100.0% of time when present

- Phage (with cluster) where this start called: BillKnuckles_10 (A1), DD5_10 (A1), Graduation_11 (A1), Gwendoluna_10 (A1), KBG_10 (A1), Nerujay_10 (A1), QTRLifeCrisis_9 (A1), Solon_9 (A1), Squee_9 (A1), Zeuska_9 (A1),

Start 34:

- Found in 1 of 541 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 505
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Funsized_50 (B9),

Start 35:

- Found in 5 of 541 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 505
- Called 40.0% of time when present
- Phage (with cluster) where this start called: Jolie1_040 (B6), KayaCho_40 (B6),

Start 36:

- Found in 53 of 541 (9.8%) of genes in pham
- Manual Annotations of this start: 35 of 505
- Called 73.6% of time when present
- Phage (with cluster) where this start called: 40BC_040 (B6), Allegro_47 (B2), Ares_47 (B2), Boyle_47 (B2), Brownie5_47 (B2), Calamitous_47 (B2), Candle_35 (R), Coffee_47 (B2), Eaglehorse_47 (B2), Faze9_46 (B2), FrenchFry_47 (B2), Glass_47 (B2), Godines_47 (B2), Hedgerow_47 (B2), Holeinone_47 (B2), ItsyBitsy1_47 (B2), Kaleb_47 (B2), Kheth_47 (B2), Lars_47 (B2), Laurie_46 (B2), Lephleur_47 (B2), LizLemon_47 (B2), MasterPo_47 (B2), MontyDev_35 (R), Nilo_36 (R), Papyrus_35 (R), Phantasmagoria_47 (B2), Rhinoforte_47 (B2), Riparian_35 (R), Rope_35 (R), Sabella_46 (B2), Send513_35 (R), TA17A_47 (B2), Tinciduntolum_48 (B2), Tres_47 (B2), Weiss13_35 (R), West99_47 (B2), Yelo_35 (R), Zenon_36 (R),

Start 37:

- Found in 61 of 541 (11.3%) of genes in pham
- Manual Annotations of this start: 1 of 505
- Called 3.3% of time when present
- Phage (with cluster) where this start called: Lilbunny_12 (A6), Zulu_13 (A6),

Start 38:

- Found in 189 of 541 (34.9%) of genes in pham
- Manual Annotations of this start: 3 of 505
- Called 2.6% of time when present
- Phage (with cluster) where this start called: Arlo_8 (A1), BluSpix_9 (A1), Bob3_8 (A1), Hami1_9 (A1), NEHalo_9 (A1),

Start 44:

- Found in 19 of 541 (3.5%) of genes in pham
- Manual Annotations of this start: 2 of 505
- Called 10.5% of time when present
- Phage (with cluster) where this start called: Obama12_8 (A4), Tinybot_7 (A4),

Summary by clusters:

There are 19 clusters represented in this pham: A7, A16, A10, A12, L3, J, A18, B9, A1, B6, R, B13, A4, B2, A6, B12, K7, A2, G2,

Info for manual annotations of cluster A1:

- Start number 19 was manually annotated 3 times for cluster A1.
- Start number 24 was manually annotated 43 times for cluster A1.
- Start number 28 was manually annotated 143 times for cluster A1.
- Start number 33 was manually annotated 9 times for cluster A1.
- Start number 38 was manually annotated 3 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 32 was manually annotated 6 times for cluster A10.

Info for manual annotations of cluster A12:

- Start number 32 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A16:

- Start number 32 was manually annotated 2 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 23 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A2:

- Start number 25 was manually annotated 32 times for cluster A2.
- Start number 32 was manually annotated 3 times for cluster A2.

Info for manual annotations of cluster A4:

- Start number 25 was manually annotated 133 times for cluster A4.
- Start number 44 was manually annotated 2 times for cluster A4.

Info for manual annotations of cluster A6:

- Start number 32 was manually annotated 39 times for cluster A6.
- Start number 37 was manually annotated 1 time for cluster A6.

Info for manual annotations of cluster A7:

- Start number 25 was manually annotated 4 times for cluster A7.

Info for manual annotations of cluster B12:

- Start number 27 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B13:

- Start number 30 was manually annotated 1 time for cluster B13.
- Start number 32 was manually annotated 1 time for cluster B13.

Info for manual annotations of cluster B2:

- Start number 32 was manually annotated 6 times for cluster B2.
- Start number 36 was manually annotated 26 times for cluster B2.

Info for manual annotations of cluster B6:

- Start number 35 was manually annotated 1 time for cluster B6.

Info for manual annotations of cluster B9:

- Start number 32 was manually annotated 1 time for cluster B9.
- Start number 34 was manually annotated 1 time for cluster B9.

Info for manual annotations of cluster G2:

- Start number 31 was manually annotated 1 time for cluster G2.
- Start number 32 was manually annotated 2 times for cluster G2.

Info for manual annotations of cluster J:

- Start number 24 was manually annotated 9 times for cluster J.

Info for manual annotations of cluster K7:

- Start number 26 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster L3:

- Start number 28 was manually annotated 16 times for cluster L3.

Info for manual annotations of cluster R:

- Start number 36 was manually annotated 9 times for cluster R.

Gene Information:

Gene: 39HC_040 Start: 38368, Stop: 39846, Start Num: 32

Candidate Starts for 39HC_040:

(15, 38329), (Start: 32 @38368 has 65 MA's), (Start: 35 @38374 has 1 MA's), (Start: 36 @38380 has 35 MA's), (55, 38491), (60, 38533), (61, 38536), (74, 38680), (82, 38710), (85, 38740), (87, 38782), (88, 38794), (90, 38836), (108, 38980), (119, 39022), (129, 39079), (131, 39106), (132, 39121), (142, 39226), (153, 39313), (157, 39334), (167, 39373), (176, 39412), (190, 39460), (213, 39571), (235, 39625), (239, 39637), (240, 39640), (280, 39760),

Gene: 40BC_040 Start: 38380, Stop: 39846, Start Num: 36

Candidate Starts for 40BC_040:

(15, 38329), (Start: 32 @38368 has 65 MA's), (Start: 35 @38374 has 1 MA's), (Start: 36 @38380 has 35 MA's), (55, 38491), (60, 38533), (61, 38536), (74, 38680), (82, 38710), (85, 38740), (87, 38782), (88, 38794), (90, 38836), (108, 38980), (119, 39022), (129, 39079), (131, 39106), (132, 39121), (142, 39226), (153, 39313), (157, 39334), (167, 39373), (176, 39412), (190, 39460), (213, 39571), (235, 39625), (239, 39637), (240, 39640), (280, 39760),

Gene: A6_07 Start: 4170, Stop: 5603, Start Num: 28

Candidate Starts for A6_07:

(Start: 28 @4170 has 159 MA's), (Start: 38 @4218 has 3 MA's), (66, 4422), (85, 4524), (86, 4527), (87, 4566), (131, 4821), (152, 4980), (158, 5007), (210, 5238), (226, 5271), (281, 5421), (292, 5463), (305, 5514),

Gene: AFIS_9 Start: 4528, Stop: 5940, Start Num: 28

Candidate Starts for AFIS_9:

(Start: 28 @4528 has 159 MA's), (Start: 38 @4576 has 3 MA's), (66, 4780), (82, 4852), (86, 4885), (87, 4924), (131, 5158), (152, 5317), (158, 5344), (210, 5575), (226, 5608), (281, 5758), (292, 5800), (305, 5851),

Gene: AbbyPaige_11 Start: 5117, Stop: 6439, Start Num: 25

Candidate Starts for AbbyPaige_11:

(Start: 25 @5117 has 169 MA's), (47, 5201), (50, 5219), (60, 5294), (77, 5435), (87, 5528), (88, 5540), (90, 5588), (120, 5684), (135, 5756), (144, 5804), (201, 6023), (210, 6056), (234, 6110), (248, 6161), (261, 6206), (266, 6224), (287, 6287), (308, 6374),

Gene: AbbysRanger_8 Start: 3936, Stop: 5432, Start Num: 25

Candidate Starts for AbbysRanger_8:

(Start: 25 @3936 has 169 MA's), (55, 4071), (60, 4113), (66, 4188), (84, 4290), (85, 4308), (87, 4347), (88, 4359), (131, 4608), (155, 4791), (156, 4794), (189, 4926), (190, 4929), (191, 4932), (198, 5007), (210, 5049), (248, 5154), (262, 5202), (287, 5280), (308, 5367),

Gene: Abbysshoes_10 Start: 4617, Stop: 6029, Start Num: 28

Candidate Starts for Abbysshoes_10:

(Start: 28 @4617 has 159 MA's), (Start: 38 @4665 has 3 MA's), (66, 4869), (82, 4941), (86, 4974), (87, 5013), (131, 5247), (152, 5406), (158, 5433), (210, 5664), (226, 5697), (281, 5847), (292, 5889), (305, 5940),

Gene: Abdiel_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Abdiel_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235), (308, 5352),

Gene: Abrogate_100 Start: 5252, Stop: 6685, Start Num: 28

Candidate Starts for Abrogate_100:

(Start: 28 @5252 has 159 MA's), (Start: 38 @5300 has 3 MA's), (66, 5504), (85, 5606), (86, 5609), (87, 5648), (131, 5903), (152, 6062), (158, 6089), (210, 6320), (226, 6353), (281, 6503), (292, 6545), (305, 6596),

Gene: Achebe_8 Start: 3936, Stop: 5432, Start Num: 25

Candidate Starts for Achebe_8:

(Start: 25 @3936 has 169 MA's), (55, 4071), (60, 4113), (66, 4188), (84, 4290), (85, 4308), (87, 4347), (88, 4359), (131, 4608), (155, 4791), (156, 4794), (189, 4926), (190, 4929), (191, 4932), (198, 5007), (210, 5049), (248, 5154), (262, 5202), (283, 5262), (287, 5280), (303, 5346), (308, 5367),

Gene: Acme_10 Start: 4441, Stop: 5874, Start Num: 28

Candidate Starts for Acme_10:

(Start: 28 @4441 has 159 MA's), (Start: 38 @4489 has 3 MA's), (66, 4693), (85, 4795), (86, 4798), (87, 4837), (131, 5092), (152, 5251), (158, 5278), (210, 5509), (226, 5542), (281, 5692), (292, 5734), (305, 5785),

Gene: Acolyte_9 Start: 4629, Stop: 6059, Start Num: 25

Candidate Starts for Acolyte_9:

(Start: 25 @4629 has 169 MA's), (39, 4680), (55, 4767), (87, 5028), (88, 5040), (96, 5139), (107, 5169), (130, 5253), (131, 5268), (133, 5298), (136, 5313), (147, 5415), (153, 5472), (161, 5511), (170, 5541), (181, 5571), (188, 5592), (198, 5679), (210, 5721), (279, 5895), (299, 5952), (302, 5964),

Gene: Adahisdi_10 Start: 4835, Stop: 6268, Start Num: 28

Candidate Starts for Adahisdi_10:

(Start: 28 @4835 has 159 MA's), (Start: 38 @4883 has 3 MA's), (66, 5087), (85, 5189), (86, 5192), (87, 5231), (131, 5486), (152, 5645), (158, 5672), (210, 5903), (226, 5936), (281, 6086), (292, 6128), (305, 6179),

Gene: Aeneas_10 Start: 4720, Stop: 6147, Start Num: 28

Candidate Starts for Aeneas_10:

(Start: 28 @4720 has 159 MA's), (Start: 38 @4768 has 3 MA's), (66, 4972), (85, 5074), (86, 5077), (87, 5116), (96, 5248), (131, 5371), (152, 5530), (158, 5557), (210, 5788), (226, 5821), (260, 5917),

(281, 5971), (292, 6013), (305, 6064),

Gene: Agaliana_9 Start: 4644, Stop: 6077, Start Num: 28

Candidate Starts for Agaliana_9:

(Start: 28 @4644 has 159 MA's), (Start: 38 @4692 has 3 MA's), (66, 4896), (85, 4998), (86, 5001), (87, 5040), (131, 5295), (152, 5454), (158, 5481), (210, 5712), (281, 5895), (292, 5937), (305, 5988),

Gene: Agape74_11 Start: 5117, Stop: 6439, Start Num: 25

Candidate Starts for Agape74_11:

(Start: 25 @5117 has 169 MA's), (47, 5201), (50, 5219), (60, 5294), (77, 5435), (87, 5528), (88, 5540), (90, 5588), (120, 5684), (135, 5756), (144, 5804), (201, 6023), (210, 6056), (234, 6110), (248, 6161), (261, 6206), (266, 6224), (287, 6287), (308, 6374),

Gene: Ajay_9 Start: 4661, Stop: 6073, Start Num: 28

Candidate Starts for Ajay_9:

(Start: 28 @4661 has 159 MA's), (Start: 38 @4709 has 3 MA's), (66, 4913), (82, 4985), (86, 5018), (87, 5057), (131, 5291), (152, 5450), (158, 5477), (210, 5708), (226, 5741), (281, 5891), (292, 5933), (305, 5984),

Gene: Albee_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Albee_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Alberto7_9 Start: 4223, Stop: 5728, Start Num: 25

Candidate Starts for Alberto7_9:

(Start: 25 @4223 has 169 MA's), (Start: 44 @4301 has 2 MA's), (55, 4358), (66, 4475), (84, 4577), (85, 4595), (87, 4634), (88, 4646), (131, 4895), (139, 4964), (155, 5078), (156, 5081), (189, 5213), (191, 5219), (210, 5339), (234, 5393), (248, 5444), (266, 5507), (277, 5540),

Gene: Allegro_47 Start: 40811, Stop: 42310, Start Num: 36

Candidate Starts for Allegro_47:

(Start: 32 @40799 has 65 MA's), (Start: 36 @40811 has 35 MA's), (55, 40922), (64, 41018), (74, 41123), (82, 41153), (86, 41198), (87, 41237), (88, 41249), (96, 41375), (100, 41384), (102, 41390), (108, 41408), (111, 41420), (112, 41423), (117, 41435), (119, 41441), (130, 41507), (142, 41639), (149, 41696), (153, 41726), (157, 41747), (170, 41795), (177, 41825), (184, 41855), (187, 41861), (197, 41927), (213, 41984), (236, 42041), (242, 42059), (243, 42062), (263, 42134), (265, 42143), (273, 42152), (297, 42236),

Gene: Alsfro_13 Start: 5368, Stop: 6816, Start Num: 19

Candidate Starts for Alsfro_13:

(Start: 19 @5368 has 3 MA's), (Start: 24 @5395 has 52 MA's), (66, 5674), (75, 5716), (87, 5809), (96, 5911), (131, 6034), (158, 6220), (210, 6451), (226, 6484), (260, 6580), (281, 6634), (292, 6676), (305, 6727),

Gene: Altman_10 Start: 5178, Stop: 6611, Start Num: 28

Candidate Starts for Altman_10:

(Start: 28 @5178 has 159 MA's), (Start: 38 @5226 has 3 MA's), (66, 5430), (85, 5532), (86, 5535), (87, 5574), (131, 5829), (152, 5988), (158, 6015), (210, 6246), (226, 6279), (281, 6429), (292, 6471), (305, 6522),

Gene: Alvin_10 Start: 4872, Stop: 6284, Start Num: 28

Candidate Starts for Alvin_10:

(Start: 28 @4872 has 159 MA's), (Start: 38 @4920 has 3 MA's), (66, 5124), (82, 5196), (86, 5229), (87, 5268), (131, 5502), (152, 5661), (158, 5688), (210, 5919), (226, 5952), (260, 6048), (281, 6102), (292, 6144), (305, 6195),

Gene: Aminay_29 Start: 25652, Stop: 27349, Start Num: 26

Candidate Starts for Aminay_29:

(12, 25574), (18, 25619), (Start: 26 @25652 has 1 MA's), (Start: 38 @25703 has 3 MA's), (46, 25736), (49, 25751), (60, 25832), (67, 25913), (72, 25940), (86, 26009), (87, 26048), (88, 26060), (90, 26099), (104, 26204), (105, 26210), (131, 26318), (192, 26630), (213, 26762), (219, 26771), (276, 26918), (298, 26990), (314, 27089), (318, 27113),

Gene: Anglerfish_9 Start: 4212, Stop: 5645, Start Num: 28

Candidate Starts for Anglerfish_9:

(Start: 28 @4212 has 159 MA's), (Start: 38 @4260 has 3 MA's), (66, 4464), (85, 4566), (86, 4569), (87, 4608), (131, 4863), (152, 5022), (158, 5049), (210, 5280), (226, 5313), (281, 5463), (292, 5505), (305, 5556),

Gene: Annyong_8 Start: 3922, Stop: 5424, Start Num: 25

Candidate Starts for Annyong_8:

(Start: 25 @3922 has 169 MA's), (55, 4057), (66, 4174), (84, 4276), (85, 4294), (87, 4333), (88, 4345), (126, 4552), (131, 4591), (155, 4774), (156, 4777), (189, 4909), (191, 4915), (210, 5035), (234, 5089), (248, 5140), (266, 5203), (277, 5236),

Gene: Applejack_9 Start: 4578, Stop: 6011, Start Num: 28

Candidate Starts for Applejack_9:

(Start: 28 @4578 has 159 MA's), (Start: 38 @4626 has 3 MA's), (66, 4830), (85, 4932), (86, 4935), (87, 4974), (96, 5106), (131, 5229), (152, 5388), (158, 5415), (210, 5646), (226, 5679), (281, 5829), (292, 5871), (305, 5922),

Gene: Arbiter_46 Start: 40873, Stop: 42384, Start Num: 32

Candidate Starts for Arbiter_46:

(Start: 32 @40873 has 65 MA's), (Start: 36 @40885 has 35 MA's), (55, 40996), (64, 41092), (74, 41197), (82, 41227), (86, 41272), (87, 41311), (88, 41323), (96, 41449), (100, 41458), (102, 41464), (108, 41482), (111, 41494), (112, 41497), (117, 41509), (119, 41515), (130, 41581), (142, 41713), (149, 41770), (153, 41800), (157, 41821), (170, 41869), (177, 41899), (184, 41929), (187, 41935), (197, 42001), (213, 42058), (236, 42115), (242, 42133), (243, 42136), (263, 42208), (265, 42217), (273, 42226), (297, 42310),

Gene: Arcanine_9 Start: 4178, Stop: 5611, Start Num: 28

Candidate Starts for Arcanine_9:

(Start: 28 @4178 has 159 MA's), (Start: 38 @4226 has 3 MA's), (50, 4280), (66, 4430), (85, 4532), (86, 4535), (87, 4574), (131, 4829), (152, 4988), (210, 5246), (226, 5279), (260, 5375), (281, 5429), (292, 5471), (305, 5522),

Gene: Ares_47 Start: 40869, Stop: 42368, Start Num: 36

Candidate Starts for Ares_47:

(Start: 32 @40857 has 65 MA's), (Start: 36 @40869 has 35 MA's), (55, 40980), (64, 41076), (74, 41181), (82, 41211), (84, 41223), (86, 41256), (87, 41295), (88, 41307), (96, 41433), (100, 41442), (102, 41448), (108, 41466), (111, 41478), (112, 41481), (117, 41493), (119, 41499), (130, 41565), (142, 41697), (149, 41754), (153, 41784), (157, 41805), (170, 41853), (177, 41883), (184, 41913), (187, 41919), (197, 41985), (213, 42042), (236, 42099), (242, 42117), (243, 42120), (263, 42192), (265, 42201), (273, 42210), (297, 42294),

Gene: Ariel_47 Start: 37294, Stop: 38682, Start Num: 24

Candidate Starts for Ariel_47:

(Start: 24 @37294 has 52 MA's), (Start: 38 @37345 has 3 MA's), (49, 37393), (64, 37516), (66, 37549), (72, 37582), (86, 37654), (87, 37693), (121, 37891), (123, 37903), (130, 37939), (131, 37954), (153, 38116), (158, 38140), (178, 38227), (210, 38407), (219, 38428), (275, 38560), (276, 38563), (281, 38578), (282, 38581), (300, 38647),

Gene: Arlo_8 Start: 4251, Stop: 5636, Start Num: 38

Candidate Starts for Arlo_8:

(Start: 28 @4203 has 159 MA's), (Start: 38 @4251 has 3 MA's), (50, 4305), (66, 4455), (85, 4557), (86, 4560), (87, 4599), (131, 4854), (152, 5013), (158, 5040), (183, 5127), (210, 5271), (226, 5304), (260, 5400), (281, 5454), (292, 5496), (305, 5547),

Gene: Artemis2UCLA_13 Start: 5737, Stop: 6948, Start Num: 32

Candidate Starts for Artemis2UCLA_13:

(Start: 32 @5737 has 65 MA's), (Start: 37 @5755 has 1 MA's), (61, 5905), (62, 5920), (68, 6016), (82, 6079), (87, 6163), (88, 6175), (90, 6208), (129, 6409), (153, 6628), (166, 6667), (169, 6673), (189, 6736),

Gene: Arturo_7 Start: 4029, Stop: 5534, Start Num: 25

Candidate Starts for Arturo_7:

(13, 3966), (Start: 25 @4029 has 169 MA's), (50, 4131), (66, 4281), (87, 4440), (88, 4452), (131, 4701), (139, 4770), (153, 4872), (155, 4884), (156, 4887), (174, 4956), (189, 5019), (191, 5025), (210, 5145), (234, 5199), (248, 5250), (266, 5313), (277, 5346),

Gene: Ashballer_7 Start: 4081, Stop: 5514, Start Num: 28

Candidate Starts for Ashballer_7:

(Start: 28 @4081 has 159 MA's), (Start: 38 @4129 has 3 MA's), (66, 4333), (86, 4438), (87, 4477), (131, 4732), (152, 4891), (158, 4918), (210, 5149), (226, 5182), (260, 5278), (281, 5332), (292, 5374), (305, 5425),

Gene: Atkinbua_9 Start: 4235, Stop: 5656, Start Num: 24

Candidate Starts for Atkinbua_9:

(Start: 24 @4235 has 52 MA's), (66, 4514), (75, 4556), (87, 4649), (96, 4751), (131, 4874), (152, 5033), (158, 5060), (210, 5291), (226, 5324), (260, 5420), (281, 5474), (292, 5516), (301, 5552), (305, 5567),

Gene: AvatarAhPeg_8 Start: 3924, Stop: 5396, Start Num: 25

Candidate Starts for AvatarAhPeg_8:

(Start: 25 @3924 has 169 MA's), (66, 4176), (86, 4299), (87, 4335), (88, 4347), (131, 4593), (139, 4662), (153, 4764), (155, 4776), (156, 4779), (189, 4911), (198, 4992), (202, 5004), (210, 5034), (220, 5058), (237, 5097), (266, 5196), (283, 5241), (288, 5262),

Gene: Avle17_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Avle17_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Avocado_26 Start: 25496, Stop: 26851, Start Num: 32

Candidate Starts for Avocado_26:

(4, 24929), (5, 24959), (10, 25268), (Start: 32 @25496 has 65 MA's), (51, 25598), (52, 25601), (53, 25619), (64, 25709), (79, 25802), (83, 25820), (86, 25844), (87, 25883), (107, 26060), (110, 26072), (119, 26102), (127, 26147), (131, 26183), (132, 26198), (146, 26285), (153, 26345), (156, 26360), (157, 26366), (182, 26456), (210, 26627), (227, 26666), (241, 26699),

Gene: BABullseye_13 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for BABullseye_13:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (61, 6022), (62, 6037), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (166, 6784), (169, 6790), (189, 6853),

Gene: BK1_07 Start: 4170, Stop: 5603, Start Num: 28

Candidate Starts for BK1_07:

(Start: 28 @4170 has 159 MA's), (Start: 38 @4218 has 3 MA's), (66, 4422), (85, 4524), (86, 4527), (87, 4566), (131, 4821), (152, 4980), (158, 5007), (210, 5238), (226, 5271), (281, 5421), (292, 5463), (305, 5514),

Gene: BPBiebs31_10 Start: 4842, Stop: 6275, Start Num: 28

Candidate Starts for BPBiebs31_10:

(Start: 28 @4842 has 159 MA's), (Start: 38 @4890 has 3 MA's), (50, 4944), (66, 5094), (85, 5196), (86, 5199), (87, 5238), (131, 5493), (152, 5652), (158, 5679), (210, 5910), (226, 5943), (260, 6039), (281, 6093), (292, 6135), (305, 6186),

Gene: Baby16_8 Start: 3930, Stop: 5432, Start Num: 25

Candidate Starts for Baby16_8:

(Start: 25 @3930 has 169 MA's), (55, 4065), (66, 4182), (84, 4284), (85, 4302), (87, 4341), (88, 4353), (104, 4491), (126, 4560), (131, 4599), (155, 4782), (156, 4785), (189, 4917), (191, 4923), (210, 5043), (234, 5097), (248, 5148), (266, 5211), (277, 5244),

Gene: BabyBack_11 Start: 6139, Stop: 7644, Start Num: 25

Candidate Starts for BabyBack_11:

(Start: 25 @6139 has 169 MA's), (55, 6274), (66, 6391), (85, 6511), (87, 6550), (88, 6562), (104, 6697), (131, 6805), (155, 6988), (189, 7123), (210, 7249), (230, 7294), (234, 7303), (248, 7354), (287, 7480), (310, 7582),

Gene: Backyardigan_8 Start: 3936, Stop: 5432, Start Num: 25

Candidate Starts for Backyardigan_8:

(Start: 25 @3936 has 169 MA's), (55, 4071), (60, 4113), (66, 4188), (84, 4290), (85, 4308), (87, 4347), (88, 4359), (131, 4608), (155, 4791), (156, 4794), (189, 4926), (190, 4929), (191, 4932), (198, 5007), (210, 5049), (248, 5154), (262, 5202), (283, 5262), (287, 5280), (303, 5346), (308, 5367),

Gene: BaconJack_10 Start: 4436, Stop: 5854, Start Num: 24

Candidate Starts for BaconJack_10:

(Start: 24 @4436 has 52 MA's), (66, 4715), (75, 4757), (87, 4850), (96, 4952), (131, 5075), (152, 5234), (158, 5261), (210, 5492), (226, 5525), (260, 5621), (281, 5675), (292, 5717), (305, 5768),

Gene: Bactobuster_10 Start: 6206, Stop: 7714, Start Num: 25

Candidate Starts for Bactobuster_10:

(13, 6143), (Start: 25 @6206 has 169 MA's), (55, 6341), (85, 6578), (87, 6617), (88, 6629), (126, 6845), (131, 6884), (139, 6953), (155, 7067), (156, 7070), (189, 7202), (210, 7328), (230, 7373), (234, 7382), (248, 7433), (259, 7475), (287, 7559), (308, 7649),

Gene: Badger_8 Start: 3937, Stop: 5433, Start Num: 25

Candidate Starts for Badger_8:

(Start: 25 @3937 has 169 MA's), (55, 4072), (60, 4114), (66, 4189), (84, 4291), (85, 4309), (87, 4348), (88, 4360), (131, 4609), (155, 4792), (156, 4795), (189, 4927), (190, 4930), (191, 4933), (198, 5008), (210, 5050), (248, 5155), (262, 5203), (283, 5263), (287, 5281), (303, 5347), (308, 5368),

Gene: Bananafish_47 Start: 40793, Stop: 42304, Start Num: 32

Candidate Starts for Bananafish_47:

(Start: 32 @40793 has 65 MA's), (Start: 36 @40805 has 35 MA's), (55, 40916), (64, 41012), (74, 41117), (82, 41147), (86, 41192), (87, 41231), (88, 41243), (96, 41369), (100, 41378), (102, 41384), (108, 41402), (111, 41414), (112, 41417), (117, 41429), (119, 41435), (130, 41501), (142, 41633), (149, 41690), (153, 41720), (157, 41741), (170, 41789), (177, 41819), (184, 41849), (187, 41855), (197, 41921), (213, 41978), (236, 42035), (242, 42053), (243, 42056), (263, 42128), (265, 42137), (273, 42146), (297, 42230),

Gene: BangNhom_7 Start: 3928, Stop: 5409, Start Num: 25

Candidate Starts for BangNhom_7:

(Start: 25 @3928 has 169 MA's), (Start: 44 @4006 has 2 MA's), (66, 4186), (87, 4345), (88, 4357), (131, 4606), (139, 4675), (155, 4789), (156, 4792), (174, 4861), (189, 4924), (210, 5047), (220, 5071), (266, 5209), (290, 5281), (299, 5302), (304, 5320),

Gene: Barriga_9 Start: 4458, Stop: 5879, Start Num: 24

Candidate Starts for Barriga_9:

(Start: 24 @4458 has 52 MA's), (66, 4737), (75, 4779), (87, 4872), (96, 4974), (131, 5097), (152, 5256), (158, 5283), (210, 5514), (226, 5547), (260, 5643), (281, 5697), (292, 5739), (305, 5790),

Gene: Bartimeaus_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Bartimeaus_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Beatrix_8 Start: 4263, Stop: 5696, Start Num: 28

Candidate Starts for Beatrix_8:

(Start: 28 @4263 has 159 MA's), (Start: 38 @4311 has 3 MA's), (66, 4515), (82, 4587), (87, 4659), (131, 4914), (152, 5073), (210, 5331), (226, 5364), (260, 5460), (281, 5514), (292, 5556), (301, 5592), (305, 5607),

Gene: BeesKnees_9 Start: 4307, Stop: 5740, Start Num: 28

Candidate Starts for BeesKnees_9:

(Start: 28 @4307 has 159 MA's), (Start: 38 @4355 has 3 MA's), (50, 4409), (66, 4559), (85, 4661), (86, 4664), (87, 4703), (131, 4958), (152, 5117), (158, 5144), (183, 5231), (210, 5375), (226, 5408), (281, 5558), (292, 5600), (305, 5651),

Gene: Bellis_26 Start: 24965, Stop: 26437, Start Num: 28

Candidate Starts for Bellis_26:

(Start: 28 @24965 has 159 MA's), (Start: 38 @25013 has 3 MA's), (50, 25067), (54, 25097), (55, 25100), (60, 25142), (66, 25217), (87, 25361), (88, 25373), (131, 25601), (140, 25670), (156, 25787), (189, 25919), (191, 25925), (210, 26045), (226, 26078), (230, 26090), (248, 26150), (276, 26228), (312, 26393),

Gene: BellusTerra_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for BellusTerra_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Bethlehem_9 Start: 4849, Stop: 6282, Start Num: 28

Candidate Starts for Bethlehem_9:

(Start: 28 @4849 has 159 MA's), (Start: 38 @4897 has 3 MA's), (50, 4951), (66, 5101), (85, 5203), (86, 5206), (87, 5245), (131, 5500), (152, 5659), (158, 5686), (183, 5773), (210, 5917), (226, 5950), (260, 6046), (281, 6100), (292, 6142), (301, 6178), (305, 6193),

Gene: Bexan_8 Start: 4263, Stop: 5696, Start Num: 28

Candidate Starts for Bexan_8:

(Start: 28 @4263 has 159 MA's), (Start: 38 @4311 has 3 MA's), (66, 4515), (82, 4587), (87, 4659), (131, 4914), (152, 5073), (210, 5331), (226, 5364), (260, 5460), (281, 5514), (292, 5556), (301, 5592), (305, 5607),

Gene: BiancaTri92_11 Start: 6268, Stop: 7752, Start Num: 25

Candidate Starts for BiancaTri92_11:

(Start: 25 @6268 has 169 MA's), (49, 6370), (66, 6526), (76, 6586), (87, 6667), (88, 6679), (123, 6871), (131, 6922), (153, 7132), (157, 7153), (175, 7219), (192, 7270), (198, 7342), (202, 7354), (203, 7357), (210, 7390), (220, 7414), (232, 7438), (266, 7552), (272, 7561), (283, 7597), (304, 7663),

Gene: Big3_9 Start: 4206, Stop: 5639, Start Num: 28

Candidate Starts for Big3_9:

(Start: 28 @4206 has 159 MA's), (Start: 38 @4254 has 3 MA's), (66, 4458), (85, 4560), (86, 4563), (87, 4602), (131, 4857), (152, 5016), (158, 5043), (210, 5274), (226, 5307), (281, 5457), (292, 5499), (305, 5550),

Gene: BigMau_10 Start: 4320, Stop: 5741, Start Num: 24

Candidate Starts for BigMau_10:

(Start: 24 @4320 has 52 MA's), (66, 4599), (75, 4641), (87, 4734), (96, 4836), (131, 4959), (152, 5118), (158, 5145), (210, 5376), (226, 5409), (260, 5505), (281, 5559), (292, 5601), (305, 5652),

Gene: BigPaolini_10 Start: 5235, Stop: 6668, Start Num: 28

Candidate Starts for BigPaolini_10:

(Start: 28 @5235 has 159 MA's), (Start: 38 @5283 has 3 MA's), (66, 5487), (85, 5589), (86, 5592), (87, 5631), (131, 5886), (152, 6045), (158, 6072), (183, 6159), (210, 6303), (226, 6336), (260, 6432), (281, 6486), (292, 6528), (305, 6579),

Gene: Bigfoot_8 Start: 4334, Stop: 5767, Start Num: 28

Candidate Starts for Bigfoot_8:

(Start: 28 @4334 has 159 MA's), (Start: 38 @4382 has 3 MA's), (66, 4586), (85, 4688), (86, 4691), (87, 4730), (131, 4985), (152, 5144), (158, 5171), (210, 5402), (226, 5435), (260, 5531), (281, 5585), (292, 5627), (305, 5678),

Gene: BillKnuckles_10 Start: 5290, Stop: 6684, Start Num: 33

Candidate Starts for BillKnuckles_10:

(20, 5248), (Start: 33 @5290 has 9 MA's), (49, 5368), (66, 5524), (86, 5629), (87, 5668), (131, 5902), (152, 6061), (210, 6319), (226, 6352), (260, 6448), (281, 6502), (292, 6544), (305, 6595),

Gene: Bircsak_9 Start: 4795, Stop: 6228, Start Num: 28

Candidate Starts for Bircsak_9:

(Start: 28 @4795 has 159 MA's), (Start: 38 @4843 has 3 MA's), (66, 5047), (85, 5149), (86, 5152), (87, 5191), (131, 5446), (152, 5605), (158, 5632), (210, 5863), (226, 5896), (281, 6046), (292, 6088), (305, 6139),

Gene: BirdsNest_49 Start: 39310, Stop: 40839, Start Num: 30

Candidate Starts for BirdsNest_49:

(2, 38461), (3, 38488), (7, 38860), (8, 38887), (9, 38944), (Start: 30 @39310 has 1 MA's), (Start: 32 @39316 has 65 MA's), (Start: 36 @39328 has 35 MA's), (55, 39439), (58, 39460), (69, 39601), (81, 39649), (82, 39658), (85, 39688), (87, 39730), (88, 39742), (131, 40045), (149, 40225), (170, 40324), (176, 40354), (213, 40516), (246, 40612), (252, 40633), (267, 40678), (282, 40717), (307, 40825),

Gene: Blackmoor_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Blackmoor_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Blinn1_13 Start: 5887, Stop: 7098, Start Num: 32

Candidate Starts for Blinn1_13:

(Start: 32 @5887 has 65 MA's), (Start: 37 @5905 has 1 MA's), (61, 6055), (68, 6166), (82, 6229), (87, 6313), (88, 6325), (90, 6358), (129, 6559), (153, 6778), (166, 6817), (189, 6886),

Gene: Blocker23_47 Start: 40911, Stop: 42422, Start Num: 32

Candidate Starts for Blocker23_47:

(Start: 32 @40911 has 65 MA's), (Start: 36 @40923 has 35 MA's), (55, 41034), (64, 41130), (74, 41235), (82, 41265), (86, 41310), (87, 41349), (88, 41361), (96, 41487), (100, 41496), (102, 41502), (108, 41520), (111, 41532), (112, 41535), (117, 41547), (119, 41553), (130, 41619), (142, 41751), (149, 41808), (153, 41838), (157, 41859), (170, 41907), (177, 41937), (184, 41967), (187, 41973), (197, 42039), (213, 42096), (236, 42153), (242, 42171), (243, 42174), (263, 42246), (265, 42255), (273, 42264), (297, 42348),

Gene: BluSpix_9 Start: 4642, Stop: 6027, Start Num: 38

Candidate Starts for BluSpix_9:

(Start: 28 @4594 has 159 MA's), (Start: 38 @4642 has 3 MA's), (66, 4846), (85, 4948), (86, 4951), (87, 4990), (96, 5122), (131, 5245), (152, 5404), (158, 5431), (210, 5662), (226, 5695), (281, 5845), (292, 5887), (305, 5938),

Gene: Blue_9 Start: 4713, Stop: 6134, Start Num: 24

Candidate Starts for Blue_9:

(Start: 24 @4713 has 52 MA's), (66, 4992), (75, 5034), (87, 5127), (96, 5229), (131, 5352), (152, 5511), (210, 5769), (226, 5802), (281, 5952), (292, 5994), (305, 6045),

Gene: Blue7_13 Start: 5825, Stop: 7039, Start Num: 32

Candidate Starts for Blue7_13:

(Start: 32 @5825 has 65 MA's), (Start: 37 @5843 has 1 MA's), (61, 5993), (68, 6104), (74, 6137), (82, 6167), (87, 6251), (88, 6263), (90, 6296), (94, 6368), (101, 6386), (120, 6452), (129, 6500), (153, 6719), (162, 6746), (166, 6758), (169, 6764), (189, 6827), (240, 7010),

Gene: Bob3_8 Start: 4198, Stop: 5583, Start Num: 38

Candidate Starts for Bob3_8:

(Start: 28 @4150 has 159 MA's), (Start: 38 @4198 has 3 MA's), (50, 4252), (66, 4402), (85, 4504), (86, 4507), (87, 4546), (131, 4801), (152, 4960), (158, 4987), (210, 5218), (226, 5251), (260, 5347), (281, 5401), (292, 5443), (305, 5494),

Gene: BobSwaget_12 Start: 6412, Stop: 7692, Start Num: 25

Candidate Starts for BobSwaget_12:

(Start: 25 @6412 has 169 MA's), (50, 6514), (71, 6697), (84, 6763), (87, 6805), (88, 6817), (90, 6865), (120, 6958), (121, 6964), (135, 7030), (201, 7297), (210, 7330), (221, 7354), (266, 7492), (272, 7501), (308, 7621),

Gene: Bobby_47 Start: 39633, Stop: 41009, Start Num: 24

Candidate Starts for Bobby_47:

(Start: 24 @39633 has 52 MA's), (Start: 38 @39684 has 3 MA's), (Start: 44 @39711 has 2 MA's), (49, 39732), (65, 39873), (66, 39888), (87, 40032), (90, 40095), (122, 40236), (131, 40290), (157, 40500), (163, 40527), (210, 40734), (219, 40755), (275, 40887), (281, 40905), (282, 40908), (290, 40935),

Gene: Bombshell_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Bombshell_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Bones_9 Start: 4345, Stop: 5778, Start Num: 28

Candidate Starts for Bones_9:

(Start: 28 @4345 has 159 MA's), (Start: 38 @4393 has 3 MA's), (66, 4597), (85, 4699), (86, 4702), (87, 4741), (96, 4873), (131, 4996), (152, 5155), (158, 5182), (210, 5413), (226, 5446), (281, 5596), (292, 5638), (301, 5674), (305, 5689),

Gene: Boyle_47 Start: 40924, Stop: 42423, Start Num: 36

Candidate Starts for Boyle_47:

(Start: 32 @40912 has 65 MA's), (Start: 36 @40924 has 35 MA's), (55, 41035), (64, 41131), (74, 41236), (82, 41266), (86, 41311), (87, 41350), (88, 41362), (96, 41488), (100, 41497), (102, 41503), (108, 41521), (111, 41533), (112, 41536), (117, 41548), (119, 41554), (130, 41620), (142, 41752), (149, 41809), (153, 41839), (157, 41860), (170, 41908), (177, 41938), (184, 41968), (187, 41974), (197, 42040), (213, 42097), (236, 42154), (242, 42172), (243, 42175), (263, 42247), (265, 42256), (273, 42265), (297, 42349),

Gene: Briton15_10 Start: 4361, Stop: 5794, Start Num: 28

Candidate Starts for Briton15_10:

(Start: 28 @4361 has 159 MA's), (Start: 38 @4409 has 3 MA's), (50, 4463), (66, 4613), (85, 4715), (86, 4718), (87, 4757), (131, 5012), (152, 5171), (158, 5198), (183, 5285), (210, 5429), (226, 5462), (260, 5558), (281, 5612), (292, 5654), (301, 5690), (305, 5705),

Gene: Broseidon_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Broseidon_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Brownie5_47 Start: 40936, Stop: 42435, Start Num: 36

Candidate Starts for Brownie5_47:

(Start: 32 @40924 has 65 MA's), (Start: 36 @40936 has 35 MA's), (55, 41047), (64, 41143), (74, 41248), (82, 41278), (86, 41323), (87, 41362), (88, 41374), (96, 41500), (100, 41509), (102, 41515), (108, 41533), (111, 41545), (112, 41548), (117, 41560), (119, 41566), (130, 41632), (142, 41764), (149, 41821), (153, 41851), (157, 41872), (170, 41920), (177, 41950), (184, 41980), (187, 41986), (197, 42052), (213, 42109), (236, 42166), (242, 42184), (243, 42187), (263, 42259), (265, 42268),

(273, 42277), (297, 42361),

Gene: Bruiser_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Bruiser_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Bruns_7 Start: 4023, Stop: 5444, Start Num: 24

Candidate Starts for Bruns_7:

(Start: 24 @4023 has 52 MA's), (66, 4302), (75, 4344), (87, 4437), (96, 4539), (131, 4662), (152, 4821), (158, 4848), (183, 4935), (210, 5079), (226, 5112), (260, 5208), (281, 5262), (292, 5304), (301, 5340), (305, 5355),

Gene: BubbleTrouble_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for BubbleTrouble_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Buggy_11 Start: 5116, Stop: 6438, Start Num: 25

Candidate Starts for Buggy_11:

(Start: 25 @5116 has 169 MA's), (47, 5200), (50, 5218), (60, 5293), (77, 5434), (87, 5527), (88, 5539), (90, 5587), (120, 5683), (135, 5755), (144, 5803), (201, 6022), (210, 6055), (234, 6109), (248, 6160), (261, 6205), (266, 6223), (287, 6286), (308, 6373),

Gene: Bumblebee11_8 Start: 3936, Stop: 5432, Start Num: 25

Candidate Starts for Bumblebee11_8:

(Start: 25 @3936 has 169 MA's), (55, 4071), (60, 4113), (66, 4188), (84, 4290), (85, 4308), (87, 4347), (88, 4359), (131, 4608), (155, 4791), (156, 4794), (189, 4926), (190, 4929), (191, 4932), (198, 5007), (210, 5049), (248, 5154), (262, 5202), (287, 5280), (308, 5367),

Gene: Burger_7 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Burger_7:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (96, 4464), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Burton_9 Start: 4211, Stop: 5644, Start Num: 28

Candidate Starts for Burton_9:

(Start: 28 @4211 has 159 MA's), (Start: 38 @4259 has 3 MA's), (50, 4313), (66, 4463), (85, 4565), (86, 4568), (87, 4607), (131, 4862), (152, 5021), (158, 5048), (210, 5279), (226, 5312), (260, 5408), (281, 5462), (292, 5504), (305, 5555),

Gene: Buttons_10 Start: 4795, Stop: 6216, Start Num: 24

Candidate Starts for Buttons_10:

(15, 4759), (Start: 19 @4768 has 3 MA's), (Start: 24 @4795 has 52 MA's), (66, 5074), (75, 5116), (87, 5209), (96, 5311), (131, 5434), (152, 5593), (158, 5620), (210, 5851), (226, 5884), (281, 6034), (292, 6076), (305, 6127),

Gene: Bxb1_8 Start: 4620, Stop: 6053, Start Num: 28

Candidate Starts for Bxb1_8:

(Start: 28 @4620 has 159 MA's), (Start: 38 @4668 has 3 MA's), (66, 4872), (85, 4974), (86, 4977), (87, 5016), (131, 5271), (152, 5430), (210, 5688), (226, 5721), (281, 5871), (292, 5913), (305, 5964),

Gene: CactusRose_8 Start: 4333, Stop: 5766, Start Num: 28

Candidate Starts for CactusRose_8:

(Start: 28 @4333 has 159 MA's), (Start: 38 @4381 has 3 MA's), (66, 4585), (85, 4687), (86, 4690), (87, 4729), (131, 4984), (152, 5143), (158, 5170), (210, 5401), (226, 5434), (260, 5530), (281, 5584), (292, 5626), (305, 5677),

Gene: Caelakin_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Caelakin_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Calamitous_47 Start: 40810, Stop: 42309, Start Num: 36

Candidate Starts for Calamitous_47:

(Start: 32 @40798 has 65 MA's), (Start: 36 @40810 has 35 MA's), (55, 40921), (64, 41017), (74, 41122), (82, 41152), (86, 41197), (87, 41236), (88, 41248), (96, 41374), (100, 41383), (102, 41389), (108, 41407), (111, 41419), (112, 41422), (117, 41434), (119, 41440), (130, 41506), (142, 41638), (149, 41695), (153, 41725), (157, 41746), (170, 41794), (177, 41824), (184, 41854), (187, 41860), (197, 41926), (213, 41983), (236, 42040), (242, 42058), (243, 42061), (263, 42133), (265, 42142), (273, 42151), (297, 42235),

Gene: Cambiare_27 Start: 25961, Stop: 27316, Start Num: 32

Candidate Starts for Cambiare_27:

(4, 25394), (5, 25424), (Start: 32 @25961 has 65 MA's), (51, 26063), (52, 26066), (53, 26084), (64, 26174), (79, 26267), (83, 26285), (86, 26309), (87, 26348), (107, 26525), (110, 26537), (119, 26567), (127, 26612), (131, 26648), (132, 26663), (146, 26750), (153, 26810), (156, 26825), (157, 26831), (182, 26921), (210, 27092), (227, 27131), (241, 27164),

Gene: Camperdownii_7 Start: 3574, Stop: 5049, Start Num: 25

Candidate Starts for Camperdownii_7:

(Start: 25 @3574 has 169 MA's), (55, 3709), (66, 3826), (85, 3946), (87, 3985), (88, 3997), (131, 4246), (139, 4315), (155, 4429), (156, 4432), (189, 4564), (210, 4687), (220, 4711), (266, 4849), (290, 4921), (299, 4942), (304, 4960),

Gene: Candle_35 Start: 32594, Stop: 34063, Start Num: 36

Candidate Starts for Candle_35:

(Start: 36 @32594 has 35 MA's), (53, 32699), (64, 32801), (84, 32948), (85, 32966), (87, 33008), (88, 33020), (92, 33068), (109, 33164), (112, 33176), (116, 33185), (122, 33218), (131, 33272), (136, 33317), (153, 33476), (157, 33497), (158, 33500), (170, 33545), (176, 33575), (195, 33644), (196, 33659), (198, 33683), (210, 33728), (220, 33752), (248, 33839), (257, 33869), (278, 33932), (291, 33974),

Gene: Candra_13 Start: 5887, Stop: 7098, Start Num: 32

Candidate Starts for Candra_13:

(Start: 32 @5887 has 65 MA's), (Start: 37 @5905 has 1 MA's), (60, 6052), (61, 6055), (68, 6166), (82, 6229), (87, 6313), (88, 6325), (90, 6358), (129, 6559), (153, 6778), (162, 6805), (166, 6817), (169, 6823), (189, 6886), (240, 7069),

Gene: Carlyle_11 Start: 5193, Stop: 6614, Start Num: 24

Candidate Starts for Carlyle_11:

(Start: 24 @5193 has 52 MA's), (66, 5472), (75, 5514), (87, 5607), (96, 5709), (131, 5832), (152, 5991), (158, 6018), (210, 6249), (226, 6282), (260, 6378), (281, 6432), (292, 6474), (305, 6525),

Gene: CentreCat_8 Start: 3922, Stop: 5424, Start Num: 25

Candidate Starts for CentreCat_8:

(Start: 25 @3922 has 169 MA's), (55, 4057), (66, 4174), (84, 4276), (85, 4294), (87, 4333), (88, 4345), (104, 4483), (126, 4552), (131, 4591), (155, 4774), (156, 4777), (189, 4909), (191, 4915), (210, 5035), (234, 5089), (248, 5140), (266, 5203), (277, 5236),

Gene: Cerulean_8 Start: 3929, Stop: 5410, Start Num: 25

Candidate Starts for Cerulean_8:

(Start: 25 @3929 has 169 MA's), (Start: 44 @4007 has 2 MA's), (66, 4187), (87, 4346), (88, 4358), (131, 4607), (139, 4676), (155, 4790), (156, 4793), (174, 4862), (189, 4925), (210, 5048), (220, 5072), (266, 5210), (290, 5282), (299, 5303), (304, 5321),

Gene: ChampagnePapi_8 Start: 3928, Stop: 5409, Start Num: 25

Candidate Starts for ChampagnePapi_8:

(Start: 25 @3928 has 169 MA's), (Start: 44 @4006 has 2 MA's), (66, 4186), (87, 4345), (88, 4357), (131, 4606), (139, 4675), (155, 4789), (156, 4792), (174, 4861), (189, 4924), (210, 5047), (220, 5071), (266, 5209), (290, 5281), (299, 5302), (304, 5320),

Gene: Chanagan_8 Start: 4177, Stop: 5610, Start Num: 28

Candidate Starts for Chanagan_8:

(Start: 28 @4177 has 159 MA's), (Start: 38 @4225 has 3 MA's), (66, 4429), (85, 4531), (86, 4534), (87, 4573), (131, 4828), (152, 4987), (158, 5014), (210, 5245), (226, 5278), (281, 5428), (292, 5470), (305, 5521),

Gene: Chaph_8 Start: 3930, Stop: 5432, Start Num: 25

Candidate Starts for Chaph_8:

(Start: 25 @3930 has 169 MA's), (55, 4065), (66, 4182), (85, 4302), (87, 4341), (88, 4353), (126, 4560), (131, 4599), (155, 4782), (156, 4785), (189, 4917), (191, 4923), (210, 5043), (234, 5097), (248, 5148), (266, 5211), (277, 5244),

Gene: Chartreuse_13 Start: 5801, Stop: 7012, Start Num: 32

Candidate Starts for Chartreuse_13:

(Start: 32 @5801 has 65 MA's), (Start: 37 @5819 has 1 MA's), (60, 5966), (61, 5969), (68, 6080), (82, 6143), (87, 6227), (88, 6239), (90, 6272), (129, 6473), (153, 6692), (162, 6719), (166, 6731), (169, 6737), (189, 6800), (240, 6983),

Gene: ChipMunk_11 Start: 5066, Stop: 6376, Start Num: 25

Candidate Starts for ChipMunk_11:

(Start: 25 @5066 has 169 MA's), (47, 5150), (50, 5168), (60, 5243), (71, 5351), (77, 5384), (87, 5477), (88, 5489), (90, 5537), (106, 5609), (120, 5621), (201, 5960), (210, 5993), (234, 6047), (248, 6098),

Gene: Ciao_9 Start: 4575, Stop: 5996, Start Num: 24

Candidate Starts for Ciao_9:

(Start: 24 @4575 has 52 MA's), (66, 4854), (75, 4896), (87, 4989), (96, 5091), (131, 5214), (152, 5373), (158, 5400), (210, 5631), (226, 5664), (281, 5814), (292, 5856), (305, 5907),

Gene: Cici_8 Start: 3936, Stop: 5432, Start Num: 25

Candidate Starts for Cici_8:

(Start: 25 @3936 has 169 MA's), (55, 4071), (60, 4113), (66, 4188), (84, 4290), (85, 4308), (87, 4347), (88, 4359), (131, 4608), (155, 4791), (156, 4794), (189, 4926), (190, 4929), (191, 4932), (198, 5007),

(210, 5049), (248, 5154), (262, 5202), (283, 5262), (287, 5280), (303, 5346), (308, 5367),

Gene: Cindaradix_7 Start: 3669, Stop: 5138, Start Num: 25

Candidate Starts for Cindaradix_7:

(Start: 25 @3669 has 169 MA's), (66, 3921), (87, 4080), (88, 4092), (131, 4335), (139, 4404), (153, 4506), (155, 4518), (156, 4521), (174, 4590), (189, 4653), (191, 4659), (210, 4776), (220, 4800), (231, 4824), (266, 4938), (272, 4947), (290, 5010), (299, 5031), (304, 5049),

Gene: Cintron_8 Start: 4029, Stop: 5504, Start Num: 25

Candidate Starts for Cintron_8:

(13, 3966), (Start: 25 @4029 has 169 MA's), (66, 4281), (87, 4440), (88, 4452), (131, 4701), (139, 4770), (155, 4884), (156, 4887), (189, 5019), (202, 5112), (210, 5142), (220, 5166), (237, 5205), (266, 5304), (299, 5397),

Gene: Citius_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Citius_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Clarenza_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Clarenza_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Clautastrophe_26 Start: 24962, Stop: 26434, Start Num: 28

Candidate Starts for Clautastrophe_26:

(Start: 28 @24962 has 159 MA's), (Start: 38 @25010 has 3 MA's), (50, 25064), (54, 25094), (55, 25097), (60, 25139), (66, 25214), (87, 25358), (88, 25370), (131, 25598), (140, 25667), (156, 25784), (189, 25916), (191, 25922), (210, 26042), (226, 26075), (230, 26087), (248, 26147), (276, 26225), (312, 26390),

Gene: CloudWang3_13 Start: 5832, Stop: 7043, Start Num: 32

Candidate Starts for CloudWang3_13:

(Start: 32 @5832 has 65 MA's), (Start: 37 @5850 has 1 MA's), (60, 5997), (61, 6000), (68, 6111), (82, 6174), (87, 6258), (88, 6270), (90, 6303), (129, 6504), (153, 6723), (162, 6750), (166, 6762), (169, 6768), (189, 6831), (240, 7014),

Gene: Cocoaberry_8 Start: 3925, Stop: 5427, Start Num: 25

Candidate Starts for Cocoaberry_8:

(Start: 25 @3925 has 169 MA's), (55, 4060), (66, 4177), (85, 4297), (87, 4336), (88, 4348), (126, 4555), (131, 4594), (155, 4777), (156, 4780), (189, 4912), (191, 4918), (210, 5038), (234, 5092), (248, 5143), (266, 5206), (277, 5239),

Gene: Coffee_47 Start: 40913, Stop: 42412, Start Num: 36

Candidate Starts for Coffee_47:

(Start: 32 @40901 has 65 MA's), (Start: 36 @40913 has 35 MA's), (55, 41024), (64, 41120), (74, 41225), (82, 41255), (86, 41300), (87, 41339), (88, 41351), (96, 41477), (100, 41486), (102, 41492), (108, 41510), (111, 41522), (112, 41525), (117, 41537), (119, 41543), (130, 41609), (142, 41741), (149, 41798), (153, 41828), (157, 41849), (170, 41897), (177, 41927), (184, 41957), (187, 41963), (197, 42029), (213, 42086), (236, 42143), (242, 42161), (243, 42164), (263, 42236), (265, 42245), (273, 42254), (297, 42338),

Gene: Commander_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Commander_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Conceptll_9 Start: 4814, Stop: 6247, Start Num: 28

Candidate Starts for Conceptll_9:

(Start: 28 @4814 has 159 MA's), (Start: 38 @4862 has 3 MA's), (66, 5066), (85, 5168), (86, 5171), (87, 5210), (131, 5465), (152, 5624), (158, 5651), (210, 5882), (226, 5915), (281, 6065), (292, 6107), (305, 6158),

Gene: Connomayer_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Connomayer_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Cookiedough_13 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for Cookiedough_13:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (61, 6022), (62, 6037), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (166, 6784), (169, 6790), (189, 6853),

Gene: Corvo_9 Start: 4770, Stop: 6191, Start Num: 24

Candidate Starts for Corvo_9:

(Start: 24 @4770 has 52 MA's), (66, 5049), (75, 5091), (87, 5184), (96, 5286), (131, 5409), (152, 5568), (158, 5595), (210, 5826), (226, 5859), (260, 5955), (281, 6009), (292, 6051), (305, 6102),

Gene: Courthouse_47 Start: 37698, Stop: 39086, Start Num: 24

Candidate Starts for Courthouse_47:

(Start: 24 @37698 has 52 MA's), (Start: 38 @37749 has 3 MA's), (49, 37797), (64, 37920), (66, 37953), (72, 37986), (86, 38058), (87, 38097), (121, 38295), (123, 38307), (130, 38343), (131, 38358), (153, 38520), (158, 38544), (178, 38631), (210, 38811), (219, 38832), (275, 38964), (276, 38967), (281, 38982), (282, 38985), (300, 39051),

Gene: Crispicous1_8 Start: 4042, Stop: 5475, Start Num: 28

Candidate Starts for Crispicous1_8:

(Start: 28 @4042 has 159 MA's), (Start: 38 @4090 has 3 MA's), (66, 4294), (82, 4366), (87, 4438), (131, 4693), (152, 4852), (158, 4879), (210, 5110), (226, 5143), (281, 5293), (292, 5335), (301, 5371), (305, 5386),

Gene: Cueylyss_9 Start: 4711, Stop: 6144, Start Num: 28

Candidate Starts for Cueylyss_9:

(Start: 28 @4711 has 159 MA's), (Start: 38 @4759 has 3 MA's), (66, 4963), (86, 5068), (87, 5107), (131, 5362), (152, 5521), (158, 5548), (210, 5779), (226, 5812), (281, 5962), (292, 6004), (305, 6055),

Gene: DD5_10 Start: 5332, Stop: 6726, Start Num: 33

Candidate Starts for DD5_10:

(20, 5290), (Start: 33 @5332 has 9 MA's), (49, 5410), (66, 5566), (86, 5671), (87, 5710), (131, 5944), (152, 6103), (158, 6130), (183, 6217), (210, 6361), (226, 6394), (281, 6544), (292, 6586), (301, 6622), (305, 6637),

Gene: DaVinci_13 Start: 5855, Stop: 7066, Start Num: 32

Candidate Starts for DaVinci_13:

(Start: 32 @5855 has 65 MA's), (Start: 37 @5873 has 1 MA's), (60, 6020), (61, 6023), (68, 6134), (82, 6197), (87, 6281), (88, 6293), (90, 6326), (129, 6527), (153, 6746), (162, 6773), (166, 6785), (169, 6791), (189, 6854), (240, 7037),

Gene: DarthPhader_11 Start: 6529, Stop: 7929, Start Num: 32

Candidate Starts for DarthPhader_11:

(Start: 32 @6529 has 65 MA's), (42, 6583), (49, 6619), (50, 6625), (55, 6658), (66, 6775), (79, 6835), (87, 6916), (88, 6928), (105, 7054), (131, 7162), (133, 7192), (153, 7324), (192, 7462), (198, 7534), (201, 7543), (211, 7582), (214, 7591), (228, 7615), (253, 7678), (260, 7699), (275, 7735), (289, 7792),

Gene: Datway_8 Start: 3936, Stop: 5432, Start Num: 25

Candidate Starts for Datway_8:

(Start: 25 @3936 has 169 MA's), (55, 4071), (60, 4113), (66, 4188), (84, 4290), (85, 4308), (87, 4347), (88, 4359), (131, 4608), (155, 4791), (156, 4794), (189, 4926), (190, 4929), (191, 4932), (198, 5007), (210, 5049), (248, 5154), (262, 5202), (283, 5262), (287, 5280), (303, 5346), (308, 5367),

Gene: Deano_8 Start: 3927, Stop: 5429, Start Num: 25

Candidate Starts for Deano_8:

(Start: 25 @3927 has 169 MA's), (55, 4062), (66, 4179), (85, 4299), (87, 4338), (88, 4350), (104, 4488), (126, 4557), (131, 4596), (155, 4779), (156, 4782), (189, 4914), (191, 4920), (210, 5040), (234, 5094), (248, 5145), (266, 5208), (277, 5241),

Gene: Dexes_10 Start: 5198, Stop: 6631, Start Num: 28

Candidate Starts for Dexes_10:

(Start: 28 @5198 has 159 MA's), (Start: 38 @5246 has 3 MA's), (66, 5450), (85, 5552), (86, 5555), (87, 5594), (131, 5849), (152, 6008), (158, 6035), (210, 6266), (226, 6299), (260, 6395), (281, 6449), (292, 6491), (305, 6542),

Gene: Dhanush_8 Start: 3924, Stop: 5426, Start Num: 25

Candidate Starts for Dhanush_8:

(Start: 25 @3924 has 169 MA's), (55, 4059), (66, 4176), (85, 4296), (87, 4335), (88, 4347), (126, 4554), (131, 4593), (155, 4776), (156, 4779), (163, 4812), (189, 4911), (191, 4917), (210, 5037), (234, 5091), (248, 5142), (266, 5205), (277, 5238),

Gene: Dignity_11 Start: 5061, Stop: 6383, Start Num: 25

Candidate Starts for Dignity_11:

(Start: 25 @5061 has 169 MA's), (47, 5145), (50, 5163), (60, 5238), (77, 5379), (87, 5472), (88, 5484), (90, 5532), (120, 5628), (135, 5700), (144, 5748), (201, 5967), (210, 6000), (234, 6054), (248, 6105), (261, 6150), (266, 6168), (287, 6231), (308, 6318),

Gene: DirtyDunning_8 Start: 3926, Stop: 5428, Start Num: 25

Candidate Starts for DirtyDunning_8:

(Start: 25 @3926 has 169 MA's), (55, 4061), (66, 4178), (85, 4298), (87, 4337), (88, 4349), (126, 4556), (131, 4595), (155, 4778), (156, 4781), (189, 4913), (191, 4919), (210, 5039), (234, 5093), (248, 5144), (266, 5207), (277, 5240),

Gene: Doom_9 Start: 4836, Stop: 6269, Start Num: 28

Candidate Starts for Doom_9:

(Start: 28 @4836 has 159 MA's), (Start: 38 @4884 has 3 MA's), (66, 5088), (85, 5190), (86, 5193), (87, 5232), (96, 5364), (131, 5487), (152, 5646), (158, 5673), (183, 5760), (210, 5904), (226, 5937),

(260, 6033), (281, 6087), (292, 6129), (305, 6180),

Gene: Dorothea_12 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for Dorothea_12:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (60, 6019), (61, 6022), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (162, 6772), (166, 6784), (169, 6790), (189, 6853), (240, 7036),

Gene: DrFeelGood_8 Start: 4360, Stop: 5793, Start Num: 28

Candidate Starts for DrFeelGood_8:

(Start: 28 @4360 has 159 MA's), (Start: 38 @4408 has 3 MA's), (66, 4612), (85, 4714), (86, 4717), (87, 4756), (131, 5011), (152, 5170), (158, 5197), (210, 5428), (226, 5461), (281, 5611), (292, 5653), (305, 5704),

Gene: Drake94_8 Start: 2277, Stop: 3773, Start Num: 32

Candidate Starts for Drake94_8:

(Start: 32 @2277 has 65 MA's), (Start: 37 @2295 has 1 MA's), (61, 2445), (68, 2556), (74, 2589), (81, 2610), (87, 2703), (88, 2715), (90, 2748), (124, 2955), (145, 3147), (148, 3162), (151, 3189), (172, 3273), (173, 3279), (197, 3399), (205, 3423), (208, 3435), (216, 3462), (247, 3552), (251, 3567), (274, 3624), (296, 3705),

Gene: DreamCatcher_10 Start: 4964, Stop: 6385, Start Num: 24

Candidate Starts for DreamCatcher_10:

(Start: 24 @4964 has 52 MA's), (66, 5243), (75, 5285), (87, 5378), (96, 5480), (131, 5603), (152, 5762), (158, 5789), (183, 5876), (210, 6020), (226, 6053), (260, 6149), (281, 6203), (292, 6245), (301, 6281), (305, 6296),

Gene: Dreamboat_10 Start: 4452, Stop: 5921, Start Num: 28

Candidate Starts for Dreamboat_10:

(Start: 28 @4452 has 159 MA's), (Start: 38 @4500 has 3 MA's), (66, 4704), (85, 4806), (86, 4809), (87, 4848), (96, 4980), (131, 5103), (152, 5262), (158, 5289), (178, 5364), (180, 5373), (210, 5556), (226, 5589), (281, 5739), (292, 5781), (305, 5832),

Gene: DroogsArmy_9 Start: 5305, Stop: 6657, Start Num: 25

Candidate Starts for DroogsArmy_9:

(17, 5275), (Start: 25 @5305 has 169 MA's), (54, 5443), (66, 5563), (87, 5725), (88, 5737), (90, 5785), (120, 5890), (138, 5983), (154, 6097), (155, 6103), (210, 6316), (266, 6457), (311, 6619), (316, 6640),

Gene: Druantia_8 Start: 3922, Stop: 5424, Start Num: 25

Candidate Starts for Druantia_8:

(Start: 25 @3922 has 169 MA's), (55, 4057), (66, 4174), (84, 4276), (85, 4294), (87, 4333), (88, 4345), (104, 4483), (126, 4552), (131, 4591), (155, 4774), (156, 4777), (189, 4909), (191, 4915), (210, 5035), (234, 5089), (248, 5140), (266, 5203), (277, 5236),

Gene: Dulcie_8 Start: 4256, Stop: 5668, Start Num: 28

Candidate Starts for Dulcie_8:

(Start: 28 @4256 has 159 MA's), (Start: 38 @4304 has 3 MA's), (66, 4508), (82, 4580), (86, 4613), (87, 4652), (131, 4886), (152, 5045), (210, 5303), (226, 5336), (281, 5486), (292, 5528), (305, 5579),

Gene: DuncansLeg_26 Start: 24945, Stop: 26417, Start Num: 28

Candidate Starts for DuncansLeg_26:

(Start: 28 @24945 has 159 MA's), (Start: 38 @24993 has 3 MA's), (50, 25047), (54, 25077), (55, 25080), (66, 25197), (87, 25341), (88, 25353), (131, 25581), (140, 25650), (156, 25767), (189, 25899),

(190, 25902), (191, 25905), (210, 26025), (226, 26058), (230, 26070), (248, 26130), (276, 26208), (312, 26373),

Gene: Dussy_10 Start: 4617, Stop: 6029, Start Num: 28

Candidate Starts for Dussy_10:

(Start: 28 @4617 has 159 MA's), (Start: 38 @4665 has 3 MA's), (66, 4869), (82, 4941), (86, 4974), (87, 5013), (131, 5247), (152, 5406), (158, 5433), (210, 5664), (226, 5697), (281, 5847), (292, 5889), (305, 5940),

Gene: Dynamix_9 Start: 4309, Stop: 5742, Start Num: 28

Candidate Starts for Dynamix_9:

(Start: 28 @4309 has 159 MA's), (Start: 38 @4357 has 3 MA's), (50, 4411), (66, 4561), (85, 4663), (86, 4666), (87, 4705), (131, 4960), (152, 5119), (158, 5146), (183, 5233), (210, 5377), (226, 5410), (260, 5506), (281, 5560), (292, 5602), (305, 5653),

Gene: Eagle_7 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Eagle_7:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Eaglehorse_47 Start: 40837, Stop: 42336, Start Num: 36

Candidate Starts for Eaglehorse_47:

(Start: 32 @40825 has 65 MA's), (Start: 36 @40837 has 35 MA's), (55, 40948), (64, 41044), (74, 41149), (82, 41179), (86, 41224), (87, 41263), (88, 41275), (96, 41401), (100, 41410), (102, 41416), (108, 41434), (111, 41446), (112, 41449), (117, 41461), (119, 41467), (130, 41533), (142, 41665), (149, 41722), (153, 41752), (157, 41773), (170, 41821), (177, 41851), (184, 41881), (187, 41887), (197, 41953), (213, 42010), (236, 42067), (242, 42085), (243, 42088), (263, 42160), (265, 42169), (273, 42178), (297, 42262),

Gene: Eapen_8 Start: 3923, Stop: 5425, Start Num: 25

Candidate Starts for Eapen_8:

(Start: 25 @3923 has 169 MA's), (55, 4058), (66, 4175), (85, 4295), (87, 4334), (88, 4346), (104, 4484), (126, 4553), (131, 4592), (155, 4775), (156, 4778), (189, 4910), (191, 4916), (210, 5036), (234, 5090), (248, 5141), (266, 5204), (277, 5237),

Gene: Edtherson_10 Start: 5105, Stop: 6526, Start Num: 24

Candidate Starts for Edtherson_10:

(15, 5069), (Start: 19 @5078 has 3 MA's), (Start: 24 @5105 has 52 MA's), (66, 5384), (75, 5426), (87, 5519), (96, 5621), (131, 5744), (152, 5903), (158, 5930), (210, 6161), (226, 6194), (260, 6290), (281, 6344), (292, 6386), (305, 6437),

Gene: Ellson_26 Start: 24932, Stop: 26404, Start Num: 28

Candidate Starts for Ellson_26:

(Start: 28 @24932 has 159 MA's), (Start: 38 @24980 has 3 MA's), (50, 25034), (54, 25064), (55, 25067), (66, 25184), (87, 25328), (88, 25340), (131, 25568), (140, 25637), (152, 25736), (156, 25754), (189, 25886), (190, 25889), (191, 25892), (210, 26012), (226, 26045), (230, 26057), (248, 26117), (276, 26195), (312, 26360),

Gene: EricB_13 Start: 5855, Stop: 7066, Start Num: 32

Candidate Starts for EricB_13:

(Start: 32 @5855 has 65 MA's), (Start: 37 @5873 has 1 MA's), (61, 6023), (62, 6038), (68, 6134), (82, 6197), (87, 6281), (88, 6293), (90, 6326), (129, 6527), (153, 6746), (166, 6785), (169, 6791), (189,

6854),

Gene: Eris_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Eris_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Eros_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Eros_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Espresso_9 Start: 4689, Stop: 6122, Start Num: 28

Candidate Starts for Espresso_9:

(Start: 28 @4689 has 159 MA's), (Start: 38 @4737 has 3 MA's), (50, 4791), (66, 4941), (85, 5043), (86, 5046), (87, 5085), (131, 5340), (152, 5499), (210, 5757), (226, 5790), (281, 5940), (292, 5982), (305, 6033),

Gene: Euphoria_9 Start: 4597, Stop: 6018, Start Num: 24

Candidate Starts for Euphoria_9:

(Start: 24 @4597 has 52 MA's), (66, 4876), (75, 4918), (87, 5011), (96, 5113), (131, 5236), (152, 5395), (158, 5422), (210, 5653), (226, 5686), (260, 5782), (281, 5836), (292, 5878), (305, 5929),

Gene: Eurydice_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Eurydice_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: EvilGenius_11 Start: 5065, Stop: 6387, Start Num: 25

Candidate Starts for EvilGenius_11:

(Start: 25 @5065 has 169 MA's), (47, 5149), (50, 5167), (60, 5242), (71, 5350), (77, 5383), (87, 5476), (88, 5488), (90, 5536), (106, 5608), (120, 5620), (201, 5959), (210, 5992), (234, 6046), (248, 6097), (259, 6139), (262, 6145), (287, 6223), (308, 6313), (310, 6325),

Gene: Eyeball_9 Start: 4353, Stop: 5765, Start Num: 28

Candidate Starts for Eyeball_9:

(Start: 28 @4353 has 159 MA's), (Start: 38 @4401 has 3 MA's), (66, 4605), (82, 4677), (86, 4710), (87, 4749), (131, 4983), (152, 5142), (158, 5169), (210, 5400), (226, 5433), (260, 5529), (281, 5583), (292, 5625), (305, 5676),

Gene: Fajezeel_10 Start: 4419, Stop: 5840, Start Num: 24

Candidate Starts for Fajezeel_10:

(Start: 24 @4419 has 52 MA's), (66, 4698), (75, 4740), (87, 4833), (96, 4935), (131, 5058), (152, 5217), (158, 5244), (210, 5475), (226, 5508), (281, 5658), (292, 5700), (305, 5751),

Gene: Fascinus_8 Start: 4335, Stop: 5768, Start Num: 28

Candidate Starts for Fascinus_8:

(Start: 28 @4335 has 159 MA's), (Start: 38 @4383 has 3 MA's), (66, 4587), (85, 4689), (86, 4692), (87, 4731), (131, 4986), (152, 5145), (158, 5172), (210, 5403), (226, 5436), (260, 5532), (281, 5586), (292, 5628), (305, 5679),

Gene: Faze9_46 Start: 40933, Stop: 42432, Start Num: 36

Candidate Starts for Faze9_46:

(Start: 32 @40921 has 65 MA's), (Start: 36 @40933 has 35 MA's), (55, 41044), (64, 41140), (74, 41245), (82, 41275), (84, 41287), (86, 41320), (87, 41359), (88, 41371), (96, 41497), (100, 41506), (102, 41512), (108, 41530), (111, 41542), (112, 41545), (117, 41557), (119, 41563), (130, 41629), (142, 41761), (149, 41818), (153, 41848), (157, 41869), (170, 41917), (177, 41947), (184, 41977), (187, 41983), (197, 42049), (213, 42106), (236, 42163), (242, 42181), (243, 42184), (263, 42256), (265, 42265), (273, 42274), (297, 42358),

Gene: Fenn_9 Start: 4539, Stop: 5972, Start Num: 28

Candidate Starts for Fenn_9:

(Start: 28 @4539 has 159 MA's), (Start: 38 @4587 has 3 MA's), (50, 4641), (66, 4791), (85, 4893), (86, 4896), (87, 4935), (131, 5190), (152, 5349), (158, 5376), (183, 5463), (210, 5607), (226, 5640), (281, 5790), (292, 5832), (301, 5868), (305, 5883),

Gene: Finnry_26 Start: 24966, Stop: 26438, Start Num: 28

Candidate Starts for Finnry_26:

(Start: 28 @24966 has 159 MA's), (Start: 38 @25014 has 3 MA's), (50, 25068), (54, 25098), (55, 25101), (60, 25143), (66, 25218), (87, 25362), (88, 25374), (131, 25602), (140, 25671), (156, 25788), (189, 25920), (191, 25926), (210, 26046), (226, 26079), (230, 26091), (248, 26151), (276, 26229), (312, 26394),

Gene: FlagStaff_26 Start: 25277, Stop: 26638, Start Num: 31

Candidate Starts for FlagStaff_26:

(Start: 31 @25277 has 1 MA's), (51, 25379), (52, 25382), (53, 25400), (64, 25490), (79, 25583), (83, 25601), (86, 25625), (87, 25664), (107, 25841), (110, 25853), (119, 25883), (131, 25964), (132, 25979), (146, 26066), (153, 26126), (156, 26141), (157, 26147), (182, 26237), (186, 26264), (210, 26408), (227, 26447),

Gene: Florean_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Florean_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Flux_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Flux_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Forsytheast_8 Start: 4599, Stop: 6032, Start Num: 28

Candidate Starts for Forsytheast_8:

(Start: 28 @4599 has 159 MA's), (Start: 38 @4647 has 3 MA's), (66, 4851), (85, 4953), (86, 4956), (87, 4995), (96, 5127), (131, 5250), (152, 5409), (158, 5436), (210, 5667), (226, 5700), (281, 5850), (292, 5892), (305, 5943),

Gene: Francis47_9 Start: 4857, Stop: 6269, Start Num: 28

Candidate Starts for Francis47_9:

(Start: 28 @4857 has 159 MA's), (Start: 38 @4905 has 3 MA's), (66, 5109), (82, 5181), (86, 5214), (87, 5253), (131, 5487), (152, 5646), (158, 5673), (210, 5904), (226, 5937), (281, 6087), (292, 6129), (305, 6180),

Gene: FrenchFry_47 Start: 40927, Stop: 42426, Start Num: 36

Candidate Starts for FrenchFry_47:

(Start: 32 @40915 has 65 MA's), (Start: 36 @40927 has 35 MA's), (55, 41038), (64, 41134), (74, 41239), (82, 41269), (86, 41314), (87, 41353), (88, 41365), (96, 41491), (100, 41500), (102, 41506), (108, 41524), (111, 41536), (112, 41539), (117, 41551), (119, 41557), (130, 41623), (134, 41674), (142, 41755), (149, 41812), (153, 41842), (157, 41863), (170, 41911), (177, 41941), (184, 41971), (187, 41977), (197, 42043), (213, 42100), (236, 42157), (242, 42175), (243, 42178), (263, 42250), (265, 42259), (273, 42268), (297, 42352),

Gene: Froghopper_10 Start: 4278, Stop: 5711, Start Num: 28

Candidate Starts for Froghopper_10:

(Start: 28 @4278 has 159 MA's), (Start: 38 @4326 has 3 MA's), (66, 4530), (85, 4632), (86, 4635), (87, 4674), (96, 4806), (131, 4929), (152, 5088), (158, 5115), (210, 5346), (226, 5379), (281, 5529), (292, 5571), (305, 5622),

Gene: Funsized_50 Start: 43311, Stop: 44798, Start Num: 34

Candidate Starts for Funsized_50:

(Start: 34 @43311 has 1 MA's), (Start: 37 @43326 has 1 MA's), (55, 43431), (68, 43587), (74, 43620), (82, 43650), (85, 43680), (87, 43722), (88, 43734), (90, 43776), (95, 43863), (108, 43920), (118, 43953), (119, 43959), (131, 44040), (132, 44055), (141, 44148), (147, 44193), (153, 44250), (157, 44271), (176, 44349), (213, 44517), (220, 44529), (235, 44571), (240, 44586), (270, 44673), (291, 44742),

Gene: Funston_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Funston_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Fushigi_9 Start: 4498, Stop: 5931, Start Num: 28

Candidate Starts for Fushigi_9:

(Start: 28 @4498 has 159 MA's), (Start: 38 @4546 has 3 MA's), (66, 4750), (85, 4852), (86, 4855), (87, 4894), (131, 5149), (152, 5308), (158, 5335), (210, 5566), (226, 5599), (260, 5695), (281, 5749), (292, 5791), (305, 5842),

Gene: Gadost_8 Start: 3925, Stop: 5427, Start Num: 25

Candidate Starts for Gadost_8:

(Start: 25 @3925 has 169 MA's), (55, 4060), (66, 4177), (85, 4297), (87, 4336), (88, 4348), (126, 4555), (131, 4594), (155, 4777), (156, 4780), (189, 4912), (191, 4918), (210, 5038), (234, 5092), (248, 5143), (266, 5206), (277, 5239),

Gene: GageAP_10 Start: 4823, Stop: 6256, Start Num: 28

Candidate Starts for GageAP_10:

(Start: 28 @4823 has 159 MA's), (Start: 38 @4871 has 3 MA's), (66, 5075), (85, 5177), (86, 5180), (87, 5219), (131, 5474), (152, 5633), (210, 5891), (226, 5924), (281, 6074), (292, 6116), (305, 6167),

Gene: Gandalf20_10 Start: 5405, Stop: 6826, Start Num: 24

Candidate Starts for Gandalf20_10:

(15, 5369), (Start: 19 @5378 has 3 MA's), (Start: 24 @5405 has 52 MA's), (66, 5684), (75, 5726), (87, 5819), (96, 5921), (131, 6044), (152, 6203), (158, 6230), (210, 6461), (226, 6494), (281, 6644), (292, 6686), (305, 6737),

Gene: Garak_14 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for Garak_14:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (61, 6022), (62, 6037), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (166, 6784), (169, 6790), (189, 6853),

Gene: GaugeLDP_11 Start: 5849, Stop: 7321, Start Num: 25

Candidate Starts for GaugeLDP_11:

(Start: 25 @5849 has 169 MA's), (55, 5984), (66, 6101), (85, 6221), (87, 6260), (88, 6272), (104, 6407), (131, 6515), (155, 6698), (189, 6833), (190, 6836), (191, 6839), (210, 6959), (220, 6983), (231, 7007), (237, 7022), (266, 7121), (288, 7187), (309, 7253),

Gene: Gladiator_13 Start: 5825, Stop: 7039, Start Num: 32

Candidate Starts for Gladiator_13:

(Start: 32 @5825 has 65 MA's), (Start: 37 @5843 has 1 MA's), (61, 5993), (68, 6104), (74, 6137), (82, 6167), (87, 6251), (88, 6263), (90, 6296), (94, 6368), (101, 6386), (120, 6452), (129, 6500), (153, 6719), (162, 6746), (166, 6758), (169, 6764), (189, 6827), (240, 7010),

Gene: Glass_47 Start: 40927, Stop: 42426, Start Num: 36

Candidate Starts for Glass_47:

(Start: 32 @40915 has 65 MA's), (Start: 36 @40927 has 35 MA's), (55, 41038), (64, 41134), (74, 41239), (82, 41269), (86, 41314), (87, 41353), (88, 41365), (96, 41491), (100, 41500), (102, 41506), (108, 41524), (111, 41536), (112, 41539), (117, 41551), (119, 41557), (130, 41623), (142, 41755), (149, 41812), (153, 41842), (157, 41863), (170, 41911), (177, 41941), (184, 41971), (187, 41977), (197, 42043), (213, 42100), (236, 42157), (242, 42175), (243, 42178), (263, 42250), (265, 42259), (273, 42268), (297, 42352),

Gene: Godines_47 Start: 40869, Stop: 42368, Start Num: 36

Candidate Starts for Godines_47:

(Start: 32 @40857 has 65 MA's), (Start: 36 @40869 has 35 MA's), (55, 40980), (64, 41076), (74, 41181), (82, 41211), (86, 41256), (87, 41295), (88, 41307), (96, 41433), (100, 41442), (102, 41448), (108, 41466), (111, 41478), (112, 41481), (117, 41493), (119, 41499), (130, 41565), (142, 41697), (149, 41754), (153, 41784), (157, 41805), (170, 41853), (177, 41883), (184, 41913), (187, 41919), (197, 41985), (213, 42042), (236, 42099), (242, 42117), (243, 42120), (263, 42192), (265, 42201), (273, 42210), (297, 42294),

Gene: Gompeii16_9 Start: 4796, Stop: 6229, Start Num: 28

Candidate Starts for Gompeii16_9:

(Start: 28 @4796 has 159 MA's), (Start: 38 @4844 has 3 MA's), (66, 5048), (85, 5150), (86, 5153), (87, 5192), (131, 5447), (152, 5606), (158, 5633), (210, 5864), (226, 5897), (281, 6047), (292, 6089), (305, 6140),

Gene: Gonephishing_49 Start: 39030, Stop: 40364, Start Num: 24

Candidate Starts for Gonephishing_49:

(Start: 24 @39030 has 52 MA's), (57, 39162), (64, 39234), (72, 39300), (78, 39327), (80, 39330), (83, 39345), (86, 39369), (87, 39408), (89, 39420), (96, 39522), (122, 39591), (131, 39645), (157, 39855), (210, 40089), (219, 40110), (275, 40242), (276, 40245), (281, 40260), (282, 40263), (300, 40329),

Gene: Graduation_11 Start: 5397, Stop: 6791, Start Num: 33

Candidate Starts for Graduation_11:

(20, 5355), (Start: 33 @5397 has 9 MA's), (49, 5475), (66, 5631), (73, 5667), (86, 5736), (87, 5775), (131, 6009), (152, 6168), (158, 6195), (210, 6426), (226, 6459), (260, 6555), (281, 6609), (292, 6651), (305, 6702),

Gene: GrecoEtereo_10 Start: 4902, Stop: 6335, Start Num: 28

Candidate Starts for GrecoEtereo_10:

(Start: 28 @4902 has 159 MA's), (Start: 38 @4950 has 3 MA's), (66, 5154), (85, 5256), (86, 5259), (87, 5298), (131, 5553), (152, 5712), (158, 5739), (210, 5970), (226, 6003), (281, 6153), (292, 6195), (305, 6246),

Gene: GreedyLawyer_13 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for GreedyLawyer_13:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (60, 6019), (61, 6022), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (162, 6772), (166, 6784), (169, 6790), (189, 6853), (240, 7036),

Gene: Greg_10 Start: 4419, Stop: 5840, Start Num: 24

Candidate Starts for Greg_10:

(Start: 24 @4419 has 52 MA's), (66, 4698), (75, 4740), (87, 4833), (96, 4935), (131, 5058), (152, 5217), (158, 5244), (210, 5475), (226, 5508), (281, 5658), (292, 5700), (305, 5751),

Gene: Gruunaga_13 Start: 5825, Stop: 7039, Start Num: 32

Candidate Starts for Gruunaga_13:

(Start: 32 @5825 has 65 MA's), (Start: 37 @5843 has 1 MA's), (61, 5993), (68, 6104), (74, 6137), (82, 6167), (87, 6251), (88, 6263), (90, 6296), (94, 6368), (101, 6386), (120, 6452), (129, 6500), (153, 6719), (162, 6746), (166, 6758), (169, 6764), (189, 6827), (240, 7010),

Gene: Gwendoluna_10 Start: 5281, Stop: 6711, Start Num: 33

Candidate Starts for Gwendoluna_10:

(20, 5239), (Start: 33 @5281 has 9 MA's), (49, 5359), (66, 5515), (86, 5620), (87, 5659), (131, 5893), (152, 6052), (158, 6079), (176, 6154), (210, 6346), (226, 6379), (260, 6475), (281, 6529), (292, 6571), (305, 6622),

Gene: Gyzlar_10 Start: 5037, Stop: 6470, Start Num: 28

Candidate Starts for Gyzlar_10:

(Start: 28 @5037 has 159 MA's), (Start: 38 @5085 has 3 MA's), (66, 5289), (85, 5391), (86, 5394), (87, 5433), (131, 5688), (152, 5847), (210, 6105), (226, 6138), (281, 6288), (292, 6330), (305, 6381),

Gene: HINdeR_8 Start: 5403, Stop: 6755, Start Num: 25

Candidate Starts for HINdeR_8:

(22, 5388), (Start: 25 @5403 has 169 MA's), (49, 5505), (54, 5541), (66, 5661), (87, 5823), (88, 5835), (90, 5883), (120, 5988), (138, 6081), (154, 6195), (155, 6201), (210, 6414), (266, 6555), (289, 6624), (311, 6717), (316, 6738),

Gene: HamSlice_7 Start: 3922, Stop: 5424, Start Num: 25

Candidate Starts for HamSlice_7:

(Start: 25 @3922 has 169 MA's), (55, 4057), (66, 4174), (85, 4294), (87, 4333), (88, 4345), (104, 4483), (126, 4552), (131, 4591), (155, 4774), (156, 4777), (189, 4909), (191, 4915), (210, 5035), (234, 5089), (248, 5140), (266, 5203), (277, 5236),

Gene: Hami1_9 Start: 4645, Stop: 6024, Start Num: 38

Candidate Starts for Hami1_9:

(Start: 28 @4597 has 159 MA's), (Start: 38 @4645 has 3 MA's), (66, 4849), (85, 4951), (86, 4954), (87, 4993), (131, 5248), (152, 5407), (158, 5434), (210, 5665), (226, 5698), (260, 5794), (281, 5848), (292, 5890), (305, 5941),

Gene: Hammer_13 Start: 5825, Stop: 7039, Start Num: 32

Candidate Starts for Hammer_13:

(Start: 32 @5825 has 65 MA's), (Start: 37 @5843 has 1 MA's), (61, 5993), (68, 6104), (74, 6137), (82, 6167), (87, 6251), (88, 6263), (90, 6296), (94, 6368), (129, 6500), (153, 6719), (162, 6746), (166, 6758), (169, 6764), (189, 6827),

Gene: HanShotFirst_9 Start: 4212, Stop: 5633, Start Num: 24

Candidate Starts for HanShotFirst_9:

(Start: 24 @4212 has 52 MA's), (66, 4491), (75, 4533), (87, 4626), (96, 4728), (108, 4752), (131, 4851), (152, 5010), (158, 5037), (210, 5268), (226, 5301), (281, 5451), (292, 5493), (305, 5544),

Gene: Happiness_8 Start: 3926, Stop: 5428, Start Num: 25

Candidate Starts for Happiness_8:

(Start: 25 @3926 has 169 MA's), (55, 4061), (66, 4178), (85, 4298), (87, 4337), (88, 4349), (104, 4487), (126, 4556), (131, 4595), (155, 4778), (156, 4781), (189, 4913), (191, 4919), (210, 5039), (234, 5093), (248, 5144), (266, 5207), (277, 5240),

Gene: HarryOW_10 Start: 4902, Stop: 6335, Start Num: 28

Candidate Starts for HarryOW_10:

(Start: 28 @4902 has 159 MA's), (Start: 38 @4950 has 3 MA's), (66, 5154), (85, 5256), (86, 5259), (87, 5298), (131, 5553), (152, 5712), (158, 5739), (210, 5970), (226, 6003), (281, 6153), (292, 6195), (305, 6246),

Gene: Hashim76_50 Start: 39785, Stop: 41302, Start Num: 32

Candidate Starts for Hashim76_50:

(1, 38789), (2, 38939), (3, 38966), (6, 39326), (8, 39356), (9, 39413), (11, 39674), (15, 39731), (Start: 32 @39785 has 65 MA's), (Start: 36 @39797 has 35 MA's), (55, 39908), (58, 39929), (69, 40070), (81, 40118), (82, 40127), (85, 40157), (87, 40199), (88, 40211), (108, 40394), (131, 40514), (149, 40694), (170, 40793), (176, 40823), (213, 40979), (246, 41075), (252, 41096), (264, 41132), (282, 41180), (307, 41288),

Gene: Hedgerow_47 Start: 40909, Stop: 42408, Start Num: 36

Candidate Starts for Hedgerow_47:

(Start: 32 @40897 has 65 MA's), (Start: 36 @40909 has 35 MA's), (55, 41020), (64, 41116), (74, 41221), (82, 41251), (86, 41296), (87, 41335), (88, 41347), (96, 41473), (100, 41482), (102, 41488), (108, 41506), (111, 41518), (112, 41521), (117, 41533), (119, 41539), (130, 41605), (142, 41737), (149, 41794), (153, 41824), (157, 41845), (170, 41893), (177, 41923), (184, 41953), (187, 41959), (197, 42025), (213, 42082), (236, 42139), (242, 42157), (243, 42160), (263, 42232), (265, 42241), (273, 42250), (297, 42334),

Gene: Helmet_14 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for Helmet_14:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (61, 6022), (62, 6037), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (166, 6784), (169, 6790), (189, 6853),

Gene: Herbertwm_8 Start: 4486, Stop: 5889, Start Num: 32

Candidate Starts for Herbertwm_8:

(Start: 32 @4486 has 65 MA's), (42, 4540), (50, 4582), (55, 4615), (66, 4732), (79, 4792), (87, 4873), (88, 4885), (105, 5011), (113, 5038), (131, 5119), (153, 5281), (158, 5305), (175, 5368), (183, 5392), (198, 5491), (203, 5506), (204, 5509), (211, 5539), (225, 5563), (256, 5647), (266, 5680), (288, 5746), (295, 5770),

Gene: Hermia_11 Start: 5358, Stop: 6779, Start Num: 24

Candidate Starts for Hermia_11:

(15, 5322), (Start: 19 @5331 has 3 MA's), (Start: 24 @5358 has 52 MA's), (66, 5637), (75, 5679), (87, 5772), (96, 5874), (131, 5997), (152, 6156), (158, 6183), (210, 6414), (226, 6447), (281, 6597), (292, 6639), (305, 6690),

Gene: HermioneGrange_10 Start: 4321, Stop: 5742, Start Num: 24

Candidate Starts for HermioneGrange_10:

(Start: 24 @4321 has 52 MA's), (66, 4600), (75, 4642), (87, 4735), (96, 4837), (131, 4960), (152, 5119), (158, 5146), (210, 5377), (226, 5410), (260, 5506), (281, 5560), (292, 5602), (305, 5653),

Gene: Hexamo_13 Start: 5809, Stop: 7020, Start Num: 32

Candidate Starts for Hexamo_13:

(Start: 32 @5809 has 65 MA's), (Start: 37 @5827 has 1 MA's), (61, 5977), (62, 5992), (68, 6088), (82, 6151), (87, 6235), (88, 6247), (90, 6280), (129, 6481), (153, 6700), (166, 6739), (169, 6745), (189, 6808),

Gene: Holeinone_47 Start: 40789, Stop: 42288, Start Num: 36

Candidate Starts for Holeinone_47:

(Start: 32 @40777 has 65 MA's), (Start: 36 @40789 has 35 MA's), (55, 40900), (64, 40996), (74, 41101), (82, 41131), (86, 41176), (87, 41215), (88, 41227), (96, 41353), (100, 41362), (102, 41368), (108, 41386), (111, 41398), (112, 41401), (117, 41413), (119, 41419), (130, 41485), (142, 41617), (149, 41674), (153, 41704), (157, 41725), (170, 41773), (177, 41803), (184, 41833), (187, 41839), (197, 41905), (213, 41962), (236, 42019), (242, 42037), (243, 42040), (263, 42112), (265, 42121), (273, 42130), (297, 42214),

Gene: Holli_8 Start: 3714, Stop: 5216, Start Num: 25

Candidate Starts for Holli_8:

(Start: 25 @3714 has 169 MA's), (55, 3849), (66, 3966), (84, 4068), (85, 4086), (87, 4125), (88, 4137), (104, 4275), (126, 4344), (131, 4383), (155, 4566), (156, 4569), (189, 4701), (191, 4707), (210, 4827), (234, 4881), (248, 4932), (266, 4995), (277, 5028),

Gene: Homines_9 Start: 4615, Stop: 6048, Start Num: 28

Candidate Starts for Homines_9:

(Start: 28 @4615 has 159 MA's), (Start: 38 @4663 has 3 MA's), (66, 4867), (85, 4969), (86, 4972), (87, 5011), (131, 5266), (152, 5425), (158, 5452), (210, 5683), (226, 5716), (281, 5866), (292, 5908), (305, 5959),

Gene: Hoot_13 Start: 5833, Stop: 7044, Start Num: 32

Candidate Starts for Hoot_13:

(Start: 32 @5833 has 65 MA's), (Start: 37 @5851 has 1 MA's), (60, 5998), (61, 6001), (68, 6112), (82, 6175), (87, 6259), (88, 6271), (90, 6304), (129, 6505), (153, 6724), (162, 6751), (166, 6763), (169, 6769), (189, 6832), (240, 7015),

Gene: Hope4ever_9 Start: 4717, Stop: 6150, Start Num: 28

Candidate Starts for Hope4ever_9:

(Start: 28 @4717 has 159 MA's), (Start: 38 @4765 has 3 MA's), (50, 4819), (66, 4969), (85, 5071), (86, 5074), (87, 5113), (131, 5368), (152, 5527), (210, 5785), (226, 5818), (260, 5914), (281, 5968), (292, 6010), (305, 6061),

Gene: Hosp_038 Start: 36560, Stop: 38038, Start Num: 32

Candidate Starts for Hosp_038:

(15, 36521), (Start: 32 @36560 has 65 MA's), (Start: 35 @36566 has 1 MA's), (Start: 36 @36572 has 35 MA's), (55, 36683), (60, 36725), (61, 36728), (74, 36872), (81, 36893), (82, 36902), (85, 36932), (87, 36974), (88, 36986), (90, 37028), (108, 37172), (119, 37214), (129, 37271), (131, 37298), (132, 37313), (142, 37418), (153, 37505), (157, 37526), (167, 37565), (176, 37604), (190, 37652), (213, 37763), (235, 37817), (239, 37829), (240, 37832), (280, 37952),

Gene: Houdini22_8 Start: 3925, Stop: 5427, Start Num: 25

Candidate Starts for Houdini22_8:

(Start: 25 @3925 has 169 MA's), (55, 4060), (66, 4177), (85, 4297), (87, 4336), (88, 4348), (126, 4555), (131, 4594), (155, 4777), (156, 4780), (189, 4912), (191, 4918), (210, 5038), (234, 5092), (248, 5143), (266, 5206), (277, 5239),

Gene: ICleared_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for ICleared_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: ILeeKay_11 Start: 4790, Stop: 6202, Start Num: 28

Candidate Starts for ILeeKay_11:

(Start: 28 @4790 has 159 MA's), (Start: 38 @4838 has 3 MA's), (66, 5042), (82, 5114), (86, 5147), (87, 5186), (131, 5420), (152, 5579), (158, 5606), (210, 5837), (226, 5870), (281, 6020), (292, 6062), (305, 6113),

Gene: Iceman_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Iceman_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Ichabod_9 Start: 4326, Stop: 5759, Start Num: 28

Candidate Starts for Ichabod_9:

(Start: 28 @4326 has 159 MA's), (Start: 38 @4374 has 3 MA's), (50, 4428), (66, 4578), (85, 4680), (86, 4683), (87, 4722), (131, 4977), (152, 5136), (158, 5163), (183, 5250), (210, 5394), (226, 5427), (260, 5523), (281, 5577), (292, 5619), (301, 5655), (305, 5670),

Gene: IgnatiusPatJac_8 Start: 4595, Stop: 6028, Start Num: 28

Candidate Starts for IgnatiusPatJac_8:

(Start: 28 @4595 has 159 MA's), (Start: 38 @4643 has 3 MA's), (66, 4847), (85, 4949), (86, 4952), (87, 4991), (96, 5123), (131, 5246), (152, 5405), (158, 5432), (210, 5663), (226, 5696), (281, 5846), (292, 5888), (305, 5939),

Gene: Indra_13 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for Indra_13:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (61, 6022), (62, 6037), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (166, 6784), (169, 6790), (189, 6853),

Gene: Iracema64_8 Start: 3928, Stop: 5409, Start Num: 25

Candidate Starts for Iracema64_8:

(Start: 25 @3928 has 169 MA's), (Start: 44 @4006 has 2 MA's), (66, 4186), (87, 4345), (88, 4357), (131, 4606), (139, 4675), (155, 4789), (156, 4792), (174, 4861), (189, 4924), (210, 5047), (220, 5071), (266, 5209), (290, 5281), (299, 5302), (304, 5320),

Gene: IronMan_11 Start: 6173, Stop: 7669, Start Num: 25

Candidate Starts for IronMan_11:

(Start: 25 @6173 has 169 MA's), (55, 6308), (66, 6425), (85, 6545), (87, 6584), (88, 6596), (126, 6803), (131, 6842), (139, 6911), (155, 7025), (156, 7028), (189, 7160), (210, 7283), (234, 7337), (248, 7388), (259, 7430), (283, 7496), (287, 7514), (308, 7604),

Gene: Isiphiwo_13 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for Isiphiwo_13:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (61, 6022), (62, 6037), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (166, 6784), (169, 6790), (189, 6853),

Gene: ItsyBitsy1_47 Start: 40791, Stop: 42290, Start Num: 36

Candidate Starts for ItsyBitsy1_47:

(Start: 32 @40779 has 65 MA's), (Start: 36 @40791 has 35 MA's), (55, 40902), (64, 40998), (74, 41103), (82, 41133), (86, 41178), (87, 41217), (88, 41229), (96, 41355), (100, 41364), (102, 41370), (108, 41388), (111, 41400), (112, 41403), (117, 41415), (119, 41421), (130, 41487), (134, 41538), (142, 41619), (149, 41676), (153, 41706), (157, 41727), (170, 41775), (177, 41805), (184, 41835), (187, 41841), (197, 41907), (213, 41964), (236, 42021), (242, 42039), (243, 42042), (263, 42114), (265, 42123), (273, 42132), (297, 42216),

Gene: JC27_10 Start: 5024, Stop: 6454, Start Num: 28

Candidate Starts for JC27_10:

(Start: 28 @5024 has 159 MA's), (Start: 38 @5072 has 3 MA's), (66, 5276), (85, 5378), (86, 5381), (87, 5420), (96, 5552), (131, 5675), (152, 5834), (158, 5861), (210, 6092), (226, 6125), (281, 6275), (292, 6317), (305, 6368),

Gene: Jaan_12 Start: 6539, Stop: 8053, Start Num: 25

Candidate Starts for Jaan_12:

(13, 6476), (Start: 25 @6539 has 169 MA's), (87, 6950), (88, 6962), (126, 7178), (131, 7217), (139, 7286), (156, 7403), (210, 7658), (229, 7700), (248, 7763), (287, 7889), (308, 7979), (310, 7991),

Gene: JackSparrow_9 Start: 4591, Stop: 6024, Start Num: 28

Candidate Starts for JackSparrow_9:

(Start: 28 @4591 has 159 MA's), (Start: 38 @4639 has 3 MA's), (66, 4843), (85, 4945), (86, 4948), (87, 4987), (96, 5119), (131, 5242), (152, 5401), (158, 5428), (210, 5659), (226, 5692), (281, 5842), (292, 5884), (305, 5935),

Gene: Jasper_10 Start: 4444, Stop: 5865, Start Num: 24

Candidate Starts for Jasper_10:

(Start: 24 @4444 has 52 MA's), (66, 4723), (75, 4765), (87, 4858), (96, 4960), (131, 5083), (152, 5242), (158, 5269), (183, 5356), (210, 5500), (226, 5533), (260, 5629), (281, 5683), (292, 5725), (305, 5776),

Gene: Jaykayelowell_8 Start: 3920, Stop: 5422, Start Num: 25

Candidate Starts for Jaykayelowell_8:

(Start: 25 @3920 has 169 MA's), (55, 4055), (66, 4172), (84, 4274), (85, 4292), (87, 4331), (88, 4343), (104, 4481), (126, 4550), (131, 4589), (155, 4772), (156, 4775), (189, 4907), (191, 4913), (210, 5033), (234, 5087), (248, 5138), (266, 5201), (277, 5234),

Gene: Jeffabunny_13 Start: 5854, Stop: 7068, Start Num: 32

Candidate Starts for Jeffabunny_13:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (61, 6022), (62, 6037), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (94, 6397), (101, 6415), (129, 6529), (153, 6748), (162, 6775), (166, 6787), (169, 6793), (189, 6856), (240, 7039),

Gene: Jerm_11 Start: 5062, Stop: 6375, Start Num: 25

Candidate Starts for Jerm_11:

(Start: 25 @5062 has 169 MA's), (47, 5146), (50, 5164), (60, 5239), (77, 5380), (87, 5473), (88, 5485), (90, 5533), (120, 5629), (135, 5701), (144, 5749), (200, 5965), (201, 5968), (210, 6001), (254, 6133), (308, 6301), (313, 6337),

Gene: Jerm2_9 Start: 4320, Stop: 5741, Start Num: 24

Candidate Starts for Jerm2_9:

(Start: 24 @4320 has 52 MA's), (66, 4599), (75, 4641), (87, 4734), (96, 4836), (131, 4959), (152, 5118), (158, 5145), (210, 5376), (226, 5409), (260, 5505), (281, 5559), (292, 5601), (305, 5652),

Gene: JetBlade_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for JetBlade_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: JewelBug_13 Start: 5855, Stop: 7066, Start Num: 32

Candidate Starts for JewelBug_13:

(Start: 32 @5855 has 65 MA's), (Start: 37 @5873 has 1 MA's), (61, 6023), (62, 6038), (68, 6134), (82, 6197), (87, 6281), (88, 6293), (90, 6326), (129, 6527), (153, 6746), (166, 6785), (169, 6791), (189, 6854),

Gene: Jobypre_26 Start: 24962, Stop: 26434, Start Num: 28

Candidate Starts for Jobypre_26:

(Start: 28 @24962 has 159 MA's), (Start: 38 @25010 has 3 MA's), (50, 25064), (54, 25094), (55, 25097), (60, 25139), (66, 25214), (87, 25358), (88, 25370), (131, 25598), (140, 25667), (156, 25784), (189, 25916), (191, 25922), (210, 26042), (226, 26075), (230, 26087), (248, 26147), (276, 26225), (312, 26390),

Gene: Jolie1_040 Start: 38349, Stop: 39818, Start Num: 35

Candidate Starts for Jolie1_040:

(Start: 32 @38343 has 65 MA's), (Start: 35 @38349 has 1 MA's), (Start: 36 @38355 has 35 MA's), (Start: 37 @38361 has 1 MA's), (60, 38508), (61, 38511), (74, 38655), (81, 38676), (82, 38685), (85, 38715), (87, 38757), (88, 38769), (90, 38808), (96, 38898), (108, 38952), (129, 39051), (131, 39078), (132, 39093), (142, 39198), (145, 39222), (149, 39255), (153, 39285), (157, 39306), (176, 39384), (190, 39432), (209, 39522), (213, 39543), (235, 39597), (239, 39609), (240, 39612), (251, 39654), (280, 39732),

Gene: JoongJeon_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for JoongJeon_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Jordennis_13 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for Jordennis_13:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (61, 6022), (62, 6037), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (166, 6784), (169, 6790), (189,

6853),

Gene: Jorgensen_9 Start: 4357, Stop: 5826, Start Num: 28

Candidate Starts for Jorgensen_9:

(Start: 28 @4357 has 159 MA's), (Start: 38 @4405 has 3 MA's), (66, 4609), (85, 4711), (86, 4714), (87, 4753), (96, 4885), (131, 5008), (152, 5167), (158, 5194), (178, 5269), (180, 5278), (210, 5461), (226, 5494), (281, 5644), (292, 5686), (305, 5737),

Gene: JoshKayV_11 Start: 5075, Stop: 6388, Start Num: 25

Candidate Starts for JoshKayV_11:

(Start: 25 @5075 has 169 MA's), (50, 5177), (60, 5252), (77, 5393), (87, 5486), (88, 5498), (90, 5546), (106, 5618), (120, 5630), (201, 5969), (210, 6002), (234, 6056), (248, 6107), (261, 6152), (266, 6170), (287, 6233),

Gene: Jubie_26 Start: 24963, Stop: 26435, Start Num: 28

Candidate Starts for Jubie_26:

(Start: 28 @24963 has 159 MA's), (Start: 38 @25011 has 3 MA's), (50, 25065), (54, 25095), (55, 25098), (60, 25140), (66, 25215), (87, 25359), (88, 25371), (131, 25599), (140, 25668), (156, 25785), (189, 25917), (191, 25923), (210, 26043), (226, 26076), (230, 26088), (248, 26148), (276, 26226), (312, 26391),

Gene: JuliaChild_11 Start: 5068, Stop: 6501, Start Num: 28

Candidate Starts for JuliaChild_11:

(Start: 28 @5068 has 159 MA's), (Start: 38 @5116 has 3 MA's), (66, 5320), (85, 5422), (86, 5425), (87, 5464), (131, 5719), (152, 5878), (158, 5905), (210, 6136), (226, 6169), (260, 6265), (281, 6319), (292, 6361), (305, 6412),

Gene: KBG_10 Start: 5540, Stop: 6934, Start Num: 33

Candidate Starts for KBG_10:

(20, 5498), (Start: 33 @5540 has 9 MA's), (49, 5618), (66, 5774), (86, 5879), (87, 5918), (131, 6152), (152, 6311), (158, 6338), (210, 6569), (226, 6602), (281, 6752), (292, 6794), (305, 6845),

Gene: KFPoly_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for KFPoly_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: KSSJEB_8 Start: 4068, Stop: 5501, Start Num: 28

Candidate Starts for KSSJEB_8:

(Start: 28 @4068 has 159 MA's), (Start: 38 @4116 has 3 MA's), (50, 4170), (66, 4320), (85, 4422), (86, 4425), (87, 4464), (131, 4719), (152, 4878), (158, 4905), (210, 5136), (226, 5169), (260, 5265), (281, 5319), (292, 5361), (305, 5412),

Gene: Kaleb_47 Start: 40924, Stop: 42423, Start Num: 36

Candidate Starts for Kaleb_47:

(Start: 32 @40912 has 65 MA's), (Start: 36 @40924 has 35 MA's), (55, 41035), (64, 41131), (74, 41236), (82, 41266), (86, 41311), (87, 41350), (88, 41362), (96, 41488), (100, 41497), (102, 41503), (108, 41521), (111, 41533), (112, 41536), (117, 41548), (119, 41554), (130, 41620), (134, 41671), (142, 41752), (149, 41809), (153, 41839), (157, 41860), (170, 41908), (177, 41938), (184, 41968), (187, 41974), (197, 42040), (213, 42097), (236, 42154), (242, 42172), (243, 42175), (263, 42247), (265, 42256), (273, 42265), (297, 42349),

Gene: Kamy_8 Start: 3922, Stop: 5424, Start Num: 25

Candidate Starts for Kamy_8:

(Start: 25 @3922 has 169 MA's), (55, 4057), (66, 4174), (85, 4294), (87, 4333), (88, 4345), (126, 4552), (131, 4591), (155, 4774), (156, 4777), (189, 4909), (191, 4915), (210, 5035), (234, 5089), (248, 5140), (266, 5203), (277, 5236),

Gene: Kanely_10 Start: 5178, Stop: 6611, Start Num: 28

Candidate Starts for Kanely_10:

(Start: 28 @5178 has 159 MA's), (Start: 38 @5226 has 3 MA's), (66, 5430), (85, 5532), (86, 5535), (87, 5574), (131, 5829), (152, 5988), (158, 6015), (210, 6246), (226, 6279), (281, 6429), (292, 6471), (305, 6522),

Gene: Katalie136_8 Start: 3936, Stop: 5432, Start Num: 25

Candidate Starts for Katalie136_8:

(Start: 25 @3936 has 169 MA's), (55, 4071), (60, 4113), (66, 4188), (84, 4290), (85, 4308), (87, 4347), (88, 4359), (131, 4608), (155, 4791), (156, 4794), (189, 4926), (190, 4929), (191, 4932), (198, 5007), (210, 5049), (248, 5154), (262, 5202), (283, 5262), (287, 5280), (303, 5346), (308, 5367),

Gene: KayaCho_40 Start: 38353, Stop: 39822, Start Num: 35

Candidate Starts for KayaCho_40:

(14, 38296), (Start: 32 @38347 has 65 MA's), (Start: 35 @38353 has 1 MA's), (Start: 37 @38365 has 1 MA's), (74, 38659), (82, 38689), (85, 38719), (86, 38722), (87, 38761), (88, 38773), (96, 38902), (108, 38956), (115, 38980), (119, 38998), (129, 39055), (131, 39082), (132, 39097), (142, 39202), (157, 39310), (167, 39349), (176, 39388), (190, 39436), (209, 39526), (213, 39547), (235, 39601), (239, 39613), (240, 39616), (251, 39658), (280, 39736),

Gene: Kazan_13 Start: 5860, Stop: 7071, Start Num: 32

Candidate Starts for Kazan_13:

(Start: 32 @5860 has 65 MA's), (Start: 37 @5878 has 1 MA's), (61, 6028), (68, 6139), (82, 6202), (87, 6286), (88, 6298), (90, 6331), (129, 6532), (153, 6751), (166, 6790), (169, 6796), (189, 6859),

Gene: Kenmech_11 Start: 5192, Stop: 6613, Start Num: 24

Candidate Starts for Kenmech_11:

(15, 5156), (Start: 19 @5165 has 3 MA's), (Start: 24 @5192 has 52 MA's), (66, 5471), (75, 5513), (87, 5606), (96, 5708), (131, 5831), (152, 5990), (158, 6017), (210, 6248), (226, 6281), (260, 6377), (281, 6431), (292, 6473), (305, 6524),

Gene: Kheth_47 Start: 40842, Stop: 42341, Start Num: 36

Candidate Starts for Kheth_47:

(Start: 32 @40830 has 65 MA's), (Start: 36 @40842 has 35 MA's), (55, 40953), (64, 41049), (74, 41154), (82, 41184), (86, 41229), (87, 41268), (88, 41280), (96, 41406), (100, 41415), (102, 41421), (108, 41439), (111, 41451), (112, 41454), (117, 41466), (119, 41472), (130, 41538), (142, 41670), (149, 41727), (153, 41757), (157, 41778), (170, 41826), (177, 41856), (184, 41886), (187, 41892), (197, 41958), (213, 42015), (236, 42072), (242, 42090), (243, 42093), (263, 42165), (265, 42174), (273, 42183), (297, 42267),

Gene: Killigrew_7 Start: 4043, Stop: 5476, Start Num: 28

Candidate Starts for Killigrew_7:

(Start: 28 @4043 has 159 MA's), (Start: 38 @4091 has 3 MA's), (50, 4145), (66, 4295), (85, 4397), (86, 4400), (87, 4439), (131, 4694), (152, 4853), (158, 4880), (183, 4967), (210, 5111), (226, 5144), (260, 5240), (281, 5294), (292, 5336), (305, 5387),

Gene: KingCyrus_11 Start: 5054, Stop: 6376, Start Num: 25

Candidate Starts for KingCyrus_11:

(Start: 25 @5054 has 169 MA's), (47, 5138), (50, 5156), (60, 5231), (71, 5339), (77, 5372), (87, 5465), (88, 5477), (90, 5525), (106, 5597), (120, 5609), (201, 5948), (210, 5981), (234, 6035), (248, 6086), (259, 6128), (262, 6134), (287, 6212), (308, 6302), (310, 6314),

Gene: Kingmustik0402_8 Start: 3913, Stop: 5415, Start Num: 25

Candidate Starts for Kingmustik0402_8:

(Start: 25 @3913 has 169 MA's), (55, 4048), (66, 4165), (85, 4285), (87, 4324), (88, 4336), (104, 4474), (126, 4543), (131, 4582), (155, 4765), (156, 4768), (189, 4900), (191, 4906), (210, 5026), (234, 5080), (248, 5131), (266, 5194), (277, 5227),

Gene: Kingsolomon_26 Start: 24962, Stop: 26434, Start Num: 28

Candidate Starts for Kingsolomon_26:

(Start: 28 @24962 has 159 MA's), (Start: 38 @25010 has 3 MA's), (50, 25064), (54, 25094), (55, 25097), (60, 25139), (66, 25214), (87, 25358), (88, 25370), (131, 25598), (140, 25667), (156, 25784), (189, 25916), (191, 25922), (210, 26042), (226, 26075), (230, 26087), (248, 26147), (276, 26225), (312, 26390),

Gene: Kipper29_13 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for Kipper29_13:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (60, 6019), (61, 6022), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (162, 6772), (166, 6784), (169, 6790), (189, 6853), (240, 7036),

Gene: KittenMittens_8 Start: 2285, Stop: 3781, Start Num: 32

Candidate Starts for KittenMittens_8:

(Start: 32 @2285 has 65 MA's), (Start: 37 @2303 has 1 MA's), (61, 2453), (68, 2564), (74, 2597), (81, 2618), (87, 2711), (88, 2723), (90, 2756), (124, 2963), (145, 3155), (148, 3170), (151, 3197), (172, 3281), (173, 3287), (197, 3407), (205, 3431), (208, 3443), (216, 3470), (247, 3560), (251, 3575), (274, 3632), (296, 3713),

Gene: Knocker_48 Start: 42235, Stop: 43773, Start Num: 32

Candidate Starts for Knocker_48:

(Start: 32 @42235 has 65 MA's), (Start: 36 @42247 has 35 MA's), (Start: 37 @42253 has 1 MA's), (49, 42319), (55, 42358), (58, 42379), (66, 42487), (70, 42523), (74, 42559), (82, 42589), (85, 42619), (87, 42661), (88, 42673), (90, 42715), (108, 42859), (119, 42907), (125, 42946), (131, 42988), (132, 43003), (150, 43174), (157, 43213), (161, 43231), (175, 43279), (179, 43297), (212, 43456), (217, 43465), (244, 43546), (246, 43555), (250, 43570), (255, 43579), (257, 43588), (261, 43600), (286, 43678),

Gene: Koko_13 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for Koko_13:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (61, 6022), (62, 6037), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (166, 6784), (169, 6790), (189, 6853),

Gene: Koreni_7 Start: 3570, Stop: 5072, Start Num: 25

Candidate Starts for Koreni_7:

(Start: 25 @3570 has 169 MA's), (55, 3705), (66, 3822), (85, 3942), (87, 3981), (88, 3993), (104, 4131), (126, 4200), (131, 4239), (155, 4422), (156, 4425), (189, 4557), (191, 4563), (210, 4683), (234, 4737), (248, 4788), (266, 4851), (277, 4884),

Gene: Kratak_8 Start: 3925, Stop: 5427, Start Num: 25

Candidate Starts for Kratak_8:

(Start: 25 @3925 has 169 MA's), (55, 4060), (66, 4177), (85, 4297), (87, 4336), (88, 4348), (126, 4555), (131, 4594), (155, 4777), (156, 4780), (189, 4912), (191, 4918), (210, 5038), (234, 5092), (248, 5143), (266, 5206), (277, 5239),

Gene: Kremtemulon_7 Start: 4029, Stop: 5504, Start Num: 25

Candidate Starts for Kremtemulon_7:

(13, 3966), (Start: 25 @4029 has 169 MA's), (66, 4281), (87, 4440), (88, 4452), (131, 4701), (139, 4770), (155, 4884), (156, 4887), (189, 5019), (202, 5112), (210, 5142), (220, 5166), (237, 5205), (266, 5304), (299, 5397),

Gene: Krypton555_26 Start: 24866, Stop: 26338, Start Num: 28

Candidate Starts for Krypton555_26:

(Start: 28 @24866 has 159 MA's), (Start: 38 @24914 has 3 MA's), (50, 24968), (55, 25001), (66, 25118), (84, 25202), (87, 25262), (88, 25274), (90, 25304), (131, 25502), (156, 25688), (189, 25820), (190, 25823), (191, 25826), (210, 25946), (226, 25979), (248, 26051), (276, 26129), (312, 26294),

Gene: Kugel_10 Start: 4656, Stop: 6068, Start Num: 28

Candidate Starts for Kugel_10:

(Start: 28 @4656 has 159 MA's), (Start: 38 @4704 has 3 MA's), (66, 4908), (82, 4980), (86, 5013), (87, 5052), (131, 5286), (152, 5445), (158, 5472), (210, 5703), (226, 5736), (281, 5886), (292, 5928), (305, 5979),

Gene: KyMonks1A_11 Start: 4912, Stop: 6345, Start Num: 28

Candidate Starts for KyMonks1A_11:

(Start: 28 @4912 has 159 MA's), (Start: 38 @4960 has 3 MA's), (66, 5164), (82, 5236), (87, 5308), (131, 5563), (152, 5722), (158, 5749), (210, 5980), (226, 6013), (260, 6109), (281, 6163), (292, 6205), (305, 6256),

Gene: Kyee_8 Start: 3925, Stop: 5424, Start Num: 25

Candidate Starts for Kyee_8:

(Start: 25 @3925 has 169 MA's), (55, 4060), (66, 4177), (85, 4297), (87, 4336), (88, 4348), (126, 4552), (131, 4591), (155, 4774), (156, 4777), (189, 4909), (191, 4915), (210, 5035), (234, 5089), (248, 5140), (266, 5203), (277, 5236),

Gene: Kykar_7 Start: 4132, Stop: 5565, Start Num: 28

Candidate Starts for Kykar_7:

(Start: 28 @4132 has 159 MA's), (Start: 38 @4180 has 3 MA's), (66, 4384), (85, 4486), (86, 4489), (87, 4528), (131, 4783), (152, 4942), (158, 4969), (210, 5200), (226, 5233), (281, 5383), (292, 5425), (305, 5476),

Gene: LHTSCC_8 Start: 3928, Stop: 5409, Start Num: 25

Candidate Starts for LHTSCC_8:

(Start: 25 @3928 has 169 MA's), (Start: 44 @4006 has 2 MA's), (66, 4186), (87, 4345), (88, 4357), (131, 4606), (139, 4675), (155, 4789), (156, 4792), (174, 4861), (189, 4924), (210, 5047), (220, 5071), (266, 5209), (290, 5281), (299, 5302), (304, 5320),

Gene: Lamina13_9 Start: 4188, Stop: 5621, Start Num: 28

Candidate Starts for Lamina13_9:

(Start: 28 @4188 has 159 MA's), (Start: 38 @4236 has 3 MA's), (66, 4440), (85, 4542), (86, 4545), (87, 4584), (131, 4839), (152, 4998), (158, 5025), (210, 5256), (226, 5289), (260, 5385), (281, 5439), (292, 5481), (305, 5532),

Gene: Landor_10 Start: 6212, Stop: 7720, Start Num: 25

Candidate Starts for Landor_10:

(13, 6149), (Start: 25 @6212 has 169 MA's), (55, 6347), (85, 6584), (87, 6623), (88, 6635), (126, 6851), (131, 6890), (139, 6959), (155, 7073), (156, 7076), (189, 7208), (210, 7334), (230, 7379), (234, 7388), (248, 7439), (259, 7481), (287, 7565), (308, 7655),

Gene: LappelDuVide_7 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for LappelDuVide_7:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Larenn_10 Start: 4779, Stop: 6293, Start Num: 32

Candidate Starts for Larenn_10:

(Start: 32 @4779 has 65 MA's), (Start: 37 @4797 has 1 MA's), (41, 4824), (61, 4947), (68, 5058), (74, 5103), (87, 5217), (88, 5229), (90, 5262), (100, 5361), (114, 5418), (124, 5469), (172, 5787), (197, 5913), (199, 5922), (207, 5946), (215, 5979), (226, 5994), (255, 6093), (257, 6102), (295, 6222),

Gene: Lars_47 Start: 40914, Stop: 42413, Start Num: 36

Candidate Starts for Lars_47:

(Start: 32 @40902 has 65 MA's), (Start: 36 @40914 has 35 MA's), (55, 41025), (64, 41121), (74, 41226), (82, 41256), (86, 41301), (87, 41340), (88, 41352), (96, 41478), (100, 41487), (102, 41493), (108, 41511), (111, 41523), (112, 41526), (117, 41538), (119, 41544), (130, 41610), (142, 41742), (149, 41799), (153, 41829), (157, 41850), (170, 41898), (177, 41928), (184, 41958), (187, 41964), (197, 42030), (213, 42087), (236, 42144), (242, 42162), (243, 42165), (263, 42237), (265, 42246), (273, 42255), (297, 42339),

Gene: Laurie_46 Start: 40313, Stop: 41812, Start Num: 36

Candidate Starts for Laurie_46:

(Start: 32 @40301 has 65 MA's), (Start: 36 @40313 has 35 MA's), (55, 40424), (64, 40520), (74, 40625), (82, 40655), (86, 40700), (87, 40739), (88, 40751), (96, 40877), (100, 40886), (102, 40892), (108, 40910), (111, 40922), (112, 40925), (117, 40937), (119, 40943), (130, 41009), (142, 41141), (149, 41198), (153, 41228), (157, 41249), (170, 41297), (177, 41327), (184, 41357), (187, 41363), (197, 41429), (213, 41486), (236, 41543), (242, 41561), (243, 41564), (263, 41636), (265, 41645), (273, 41654), (297, 41738),

Gene: Lemur_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Lemur_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: LeoAvram_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for LeoAvram_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Leogania_11 Start: 6625, Stop: 8109, Start Num: 25

Candidate Starts for Leogania_11:

(Start: 25 @6625 has 169 MA's), (49, 6727), (66, 6883), (76, 6943), (87, 7024), (88, 7036), (123, 7228), (131, 7279), (153, 7489), (157, 7510), (175, 7576), (192, 7627), (198, 7699), (202, 7711), (203, 7714), (210, 7747), (220, 7771), (232, 7795), (266, 7909), (272, 7918), (283, 7954), (304, 8020),

Gene: Lephleur_47 Start: 40807, Stop: 42306, Start Num: 36

Candidate Starts for Lephleur_47:

(Start: 32 @40795 has 65 MA's), (Start: 36 @40807 has 35 MA's), (55, 40918), (64, 41014), (74, 41119), (82, 41149), (86, 41194), (87, 41233), (88, 41245), (96, 41371), (100, 41380), (102, 41386), (108, 41404), (111, 41416), (112, 41419), (117, 41431), (119, 41437), (130, 41503), (142, 41635), (149, 41692), (153, 41722), (157, 41743), (170, 41791), (177, 41821), (184, 41851), (187, 41857), (197, 41923), (213, 41980), (236, 42037), (242, 42055), (243, 42058), (263, 42130), (265, 42139), (273, 42148), (297, 42232),

Gene: Lesedi_8 Start: 4347, Stop: 5780, Start Num: 28

Candidate Starts for Lesedi_8:

(Start: 28 @4347 has 159 MA's), (Start: 38 @4395 has 3 MA's), (66, 4599), (85, 4701), (86, 4704), (87, 4743), (131, 4998), (152, 5157), (158, 5184), (210, 5415), (226, 5448), (260, 5544), (281, 5598), (292, 5640), (305, 5691),

Gene: Leviathan_11 Start: 5109, Stop: 6431, Start Num: 25

Candidate Starts for Leviathan_11:

(Start: 25 @5109 has 169 MA's), (47, 5193), (50, 5211), (60, 5286), (77, 5427), (87, 5520), (88, 5532), (90, 5580), (120, 5676), (135, 5748), (144, 5796), (201, 6015), (210, 6048), (234, 6102), (248, 6153), (261, 6198), (266, 6216), (287, 6279), (308, 6366),

Gene: Licorice_11 Start: 5216, Stop: 6637, Start Num: 24

Candidate Starts for Licorice_11:

(Start: 24 @5216 has 52 MA's), (66, 5495), (75, 5537), (87, 5630), (96, 5732), (131, 5855), (152, 6014), (158, 6041), (183, 6128), (210, 6272), (226, 6305), (260, 6401), (281, 6455), (292, 6497), (305, 6548),

Gene: LilBib_9 Start: 4956, Stop: 6371, Start Num: 24

Candidate Starts for LilBib_9:

(15, 4920), (Start: 19 @4929 has 3 MA's), (Start: 24 @4956 has 52 MA's), (66, 5235), (75, 5277), (87, 5370), (96, 5472), (131, 5595), (152, 5754), (158, 5781), (210, 6012), (226, 6045), (260, 6141), (281, 6195), (292, 6237), (305, 6288),

Gene: LilMcDreamy_44 Start: 40112, Stop: 41641, Start Num: 27

Candidate Starts for LilMcDreamy_44:

(Start: 27 @40112 has 1 MA's), (29, 40118), (Start: 36 @40130 has 35 MA's), (Start: 37 @40136 has 1 MA's), (49, 40202), (74, 40430), (82, 40460), (85, 40490), (87, 40532), (88, 40544), (93, 40649), (108, 40730), (119, 40769), (131, 40850), (132, 40865), (149, 41030), (153, 41060), (157, 41081), (158, 41084), (170, 41129), (176, 41159), (185, 41192), (213, 41345), (220, 41357), (239, 41411), (240, 41414), (271, 41507),

Gene: LilTurb_11 Start: 5121, Stop: 6434, Start Num: 25

Candidate Starts for LilTurb_11:

(Start: 25 @5121 has 169 MA's), (47, 5205), (50, 5223), (60, 5298), (77, 5439), (87, 5532), (88, 5544), (90, 5592), (111, 5676), (120, 5688), (135, 5760), (144, 5808), (201, 6027), (210, 6060), (254, 6192), (308, 6360), (313, 6396),

Gene: Lilbunny_12 Start: 5850, Stop: 7046, Start Num: 37

Candidate Starts for Lilbunny_12:

(Start: 32 @5832 has 65 MA's), (Start: 37 @5850 has 1 MA's), (61, 6000), (68, 6111), (74, 6144), (82, 6174), (87, 6258), (88, 6270), (90, 6303), (94, 6375), (101, 6393), (120, 6459), (129, 6507), (153, 6726), (162, 6753), (166, 6765), (169, 6771), (189, 6834), (240, 7017),

Gene: LittleB_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for LittleB_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: LittleGuy_8 Start: 3918, Stop: 5402, Start Num: 25

Candidate Starts for LittleGuy_8:

(Start: 25 @3918 has 169 MA's), (Start: 44 @3996 has 2 MA's), (55, 4053), (66, 4170), (85, 4290), (87, 4329), (88, 4341), (131, 4584), (139, 4653), (153, 4755), (155, 4767), (156, 4770), (168, 4818), (189, 4902), (202, 4995), (210, 5028), (255, 5160), (263, 5190), (276, 5217), (283, 5244), (308, 5328),

Gene: LizLemon_47 Start: 40923, Stop: 42422, Start Num: 36

Candidate Starts for LizLemon_47:

(Start: 32 @40911 has 65 MA's), (Start: 36 @40923 has 35 MA's), (55, 41034), (64, 41130), (74, 41235), (82, 41265), (84, 41277), (86, 41310), (87, 41349), (88, 41361), (96, 41487), (100, 41496), (102, 41502), (108, 41520), (111, 41532), (112, 41535), (117, 41547), (119, 41553), (130, 41619), (142, 41751), (149, 41808), (153, 41838), (157, 41859), (170, 41907), (177, 41937), (184, 41967), (187, 41973), (197, 42039), (213, 42096), (236, 42153), (242, 42171), (243, 42174), (263, 42246), (265, 42255), (273, 42264), (297, 42348),

Gene: LochMonster_8 Start: 3926, Stop: 5407, Start Num: 25

Candidate Starts for LochMonster_8:

(Start: 25 @3926 has 169 MA's), (Start: 44 @4004 has 2 MA's), (66, 4184), (87, 4343), (88, 4355), (131, 4604), (139, 4673), (153, 4775), (155, 4787), (156, 4790), (174, 4859), (189, 4922), (198, 5003), (210, 5045), (220, 5069), (266, 5207), (272, 5216), (290, 5279), (299, 5300), (304, 5318),

Gene: Lockley_9 Start: 4538, Stop: 5959, Start Num: 24

Candidate Starts for Lockley_9:

(Start: 24 @4538 has 52 MA's), (66, 4817), (75, 4859), (87, 4952), (96, 5054), (131, 5177), (152, 5336), (158, 5363), (183, 5450), (210, 5594), (226, 5627), (281, 5777), (292, 5819), (305, 5870),

Gene: Loka_12 Start: 6417, Stop: 7715, Start Num: 25

Candidate Starts for Loka_12:

(Start: 25 @6417 has 169 MA's), (50, 6519), (71, 6702), (76, 6729), (87, 6828), (88, 6840), (90, 6888), (120, 6981), (121, 6987), (135, 7053), (201, 7320), (210, 7353), (221, 7377), (266, 7515), (272, 7524), (308, 7644),

Gene: Lolly9_26 Start: 24741, Stop: 26216, Start Num: 28

Candidate Starts for Lolly9_26:

(Start: 28 @24741 has 159 MA's), (Start: 38 @24789 has 3 MA's), (50, 24843), (55, 24876), (66, 24993), (83, 25074), (87, 25137), (88, 25149), (90, 25179), (131, 25377), (156, 25563), (189, 25695), (190, 25698), (191, 25701), (210, 25821), (226, 25854), (248, 25926), (257, 25959), (261, 25971), (284, 26043), (312, 26172),

Gene: Lopton_10 Start: 4943, Stop: 6364, Start Num: 24

Candidate Starts for Lopton_10:

(Start: 24 @4943 has 52 MA's), (66, 5222), (75, 5264), (87, 5357), (96, 5459), (131, 5582), (152, 5741), (158, 5768), (210, 5999), (226, 6032), (260, 6128), (281, 6182), (292, 6224), (305, 6275),

Gene: Lorenzo_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Lorenzo_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Lucky2013_47 Start: 37834, Stop: 39222, Start Num: 24

Candidate Starts for Lucky2013_47:

(Start: 24 @37834 has 52 MA's), (Start: 38 @37885 has 3 MA's), (49, 37933), (64, 38056), (66, 38089), (72, 38122), (86, 38194), (87, 38233), (121, 38431), (123, 38443), (130, 38479), (131, 38494), (153, 38656), (158, 38680), (178, 38767), (210, 38947), (219, 38968), (275, 39100), (276, 39103), (281, 39118), (282, 39121), (300, 39187),

Gene: Lucyedi_11 Start: 5814, Stop: 7079, Start Num: 32

Candidate Starts for Lucyedi_11:

(Start: 32 @5814 has 65 MA's), (Start: 37 @5832 has 1 MA's), (59, 5970), (61, 5982), (68, 6093), (74, 6126), (87, 6240), (88, 6252), (90, 6285), (97, 6369), (99, 6372), (101, 6378), (103, 6387), (120, 6444), (129, 6492), (153, 6711), (159, 6738), (164, 6762), (171, 6786), (194, 6879), (206, 6945), (218, 6984), (222, 6990),

Gene: Lumos_26 Start: 24959, Stop: 26431, Start Num: 28

Candidate Starts for Lumos_26:

(Start: 28 @24959 has 159 MA's), (Start: 38 @25007 has 3 MA's), (50, 25061), (54, 25091), (55, 25094), (60, 25136), (66, 25211), (87, 25355), (88, 25367), (131, 25595), (140, 25664), (156, 25781), (189, 25913), (191, 25919), (210, 26039), (226, 26072), (230, 26084), (248, 26144), (276, 26222), (312, 26387),

Gene: Lunsford_9 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Lunsford_9:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: MPlant7149_8 Start: 4176, Stop: 5597, Start Num: 24

Candidate Starts for MPlant7149_8:

(Start: 24 @4176 has 52 MA's), (66, 4455), (75, 4497), (87, 4590), (96, 4692), (131, 4815), (152, 4974), (158, 5001), (210, 5232), (226, 5265), (260, 5361), (281, 5415), (292, 5457), (305, 5508),

Gene: Magnar_9 Start: 4318, Stop: 5751, Start Num: 28

Candidate Starts for Magnar_9:

(Start: 28 @4318 has 159 MA's), (Start: 38 @4366 has 3 MA's), (66, 4570), (85, 4672), (86, 4675), (87, 4714), (131, 4969), (152, 5128), (158, 5155), (210, 5386), (226, 5419), (281, 5569), (292, 5611), (305, 5662),

Gene: Magnito_8 Start: 4063, Stop: 5496, Start Num: 28

Candidate Starts for Magnito_8:

(Start: 28 @4063 has 159 MA's), (Start: 38 @4111 has 3 MA's), (66, 4315), (85, 4417), (86, 4420), (87, 4459), (131, 4714), (152, 4873), (158, 4900), (210, 5131), (226, 5164), (281, 5314), (292, 5356), (305, 5407),

Gene: Makemake_9 Start: 4773, Stop: 6206, Start Num: 28

Candidate Starts for Makemake_9:

(Start: 28 @4773 has 159 MA's), (Start: 38 @4821 has 3 MA's), (66, 5025), (85, 5127), (86, 5130), (87, 5169), (131, 5424), (152, 5583), (158, 5610), (183, 5697), (210, 5841), (226, 5874), (281, 6024), (292, 6066), (305, 6117),

Gene: Malec_10 Start: 4784, Stop: 6298, Start Num: 32

Candidate Starts for Malec_10:

(Start: 32 @4784 has 65 MA's), (Start: 37 @4802 has 1 MA's), (41, 4829), (61, 4952), (68, 5063), (74, 5108), (87, 5222), (88, 5234), (90, 5267), (100, 5366), (114, 5423), (124, 5474), (172, 5792), (197, 5918), (199, 5927), (207, 5951), (215, 5984), (226, 5999), (255, 6098), (257, 6107), (295, 6227),

Gene: Manatee_9 Start: 4272, Stop: 5693, Start Num: 24

Candidate Starts for Manatee_9:

(Start: 24 @4272 has 52 MA's), (66, 4551), (75, 4593), (87, 4686), (96, 4788), (131, 4911), (152, 5070), (158, 5097), (210, 5328), (226, 5361), (260, 5457), (281, 5511), (292, 5553), (305, 5604),

Gene: Marcell_9 Start: 4523, Stop: 5956, Start Num: 28

Candidate Starts for Marcell_9:

(Start: 28 @4523 has 159 MA's), (Start: 38 @4571 has 3 MA's), (66, 4775), (85, 4877), (86, 4880), (87, 4919), (131, 5174), (152, 5333), (158, 5360), (210, 5591), (226, 5624), (281, 5774), (292, 5816), (301, 5852), (305, 5867),

Gene: Marchy_7 Start: 4150, Stop: 5583, Start Num: 28

Candidate Starts for Marchy_7:

(Start: 28 @4150 has 159 MA's), (Start: 38 @4198 has 3 MA's), (66, 4402), (85, 4504), (86, 4507), (87, 4546), (131, 4801), (152, 4960), (158, 4987), (210, 5218), (226, 5251), (260, 5347), (281, 5401), (292, 5443), (305, 5494),

Gene: Marge_9 Start: 4544, Stop: 5977, Start Num: 28

Candidate Starts for Marge_9:

(Start: 28 @4544 has 159 MA's), (Start: 38 @4592 has 3 MA's), (66, 4796), (85, 4898), (86, 4901), (87, 4940), (131, 5195), (152, 5354), (158, 5381), (210, 5612), (226, 5645), (260, 5741), (281, 5795), (292, 5837), (305, 5888),

Gene: Maroc7_8 Start: 4336, Stop: 5769, Start Num: 28

Candidate Starts for Maroc7_8:

(Start: 28 @4336 has 159 MA's), (Start: 38 @4384 has 3 MA's), (66, 4588), (85, 4690), (86, 4693), (87, 4732), (131, 4987), (152, 5146), (158, 5173), (210, 5404), (226, 5437), (260, 5533), (281, 5587), (292, 5629), (305, 5680),

Gene: Marsha_9 Start: 4792, Stop: 6213, Start Num: 24

Candidate Starts for Marsha_9:

(Start: 24 @4792 has 52 MA's), (66, 5071), (75, 5113), (87, 5206), (96, 5308), (131, 5431), (152, 5590), (158, 5617), (183, 5704), (210, 5848), (226, 5881), (260, 5977), (281, 6031), (292, 6073), (305, 6124),

Gene: MaryBeth_9 Start: 4770, Stop: 6191, Start Num: 24

Candidate Starts for MaryBeth_9:

(Start: 24 @4770 has 52 MA's), (66, 5049), (75, 5091), (87, 5184), (96, 5286), (131, 5409), (152, 5568), (158, 5595), (210, 5826), (226, 5859), (260, 5955), (281, 6009), (292, 6051), (305, 6102),

Gene: MasterPo_47 Start: 40810, Stop: 42309, Start Num: 36

Candidate Starts for MasterPo_47:

(Start: 32 @40798 has 65 MA's), (Start: 36 @40810 has 35 MA's), (55, 40921), (64, 41017), (74, 41122), (82, 41152), (86, 41197), (87, 41236), (88, 41248), (96, 41374), (100, 41383), (102, 41389), (108, 41407), (111, 41419), (112, 41422), (117, 41434), (119, 41440), (130, 41506), (142, 41638), (149, 41695), (153, 41725), (157, 41746), (170, 41794), (177, 41824), (184, 41854), (187, 41860),

(197, 41926), (213, 41983), (236, 42040), (242, 42058), (243, 42061), (263, 42133), (265, 42142),
(273, 42151), (297, 42235),

Gene: Maverick_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Maverick_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Maxo_8 Start: 3922, Stop: 5424, Start Num: 25

Candidate Starts for Maxo_8:

(Start: 25 @3922 has 169 MA's), (55, 4057), (66, 4174), (85, 4294), (87, 4333), (88, 4345), (126, 4552), (131, 4591), (155, 4774), (156, 4777), (189, 4909), (191, 4915), (210, 5035), (234, 5089), (248, 5140), (266, 5203), (277, 5236),

Gene: Mazhar510_8 Start: 3922, Stop: 5424, Start Num: 25

Candidate Starts for Mazhar510_8:

(Start: 25 @3922 has 169 MA's), (55, 4057), (66, 4174), (85, 4294), (87, 4333), (88, 4345), (126, 4552), (131, 4591), (155, 4774), (156, 4777), (189, 4909), (191, 4915), (210, 5035), (234, 5089), (248, 5140), (266, 5203), (277, 5236),

Gene: McFly_13 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for McFly_13:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (60, 6019), (61, 6022), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (162, 6772), (166, 6784), (169, 6790), (189, 6853), (240, 7036),

Gene: McGuire_9 Start: 4305, Stop: 5738, Start Num: 28

Candidate Starts for McGuire_9:

(Start: 28 @4305 has 159 MA's), (Start: 38 @4353 has 3 MA's), (50, 4407), (66, 4557), (85, 4659), (86, 4662), (87, 4701), (131, 4956), (152, 5115), (158, 5142), (183, 5229), (210, 5373), (226, 5406), (260, 5502), (281, 5556), (292, 5598), (305, 5649),

Gene: Medusa_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Medusa_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: MeeZee_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for MeeZee_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Melvin_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Melvin_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: MetalQZJ_9 Start: 4770, Stop: 6191, Start Num: 24

Candidate Starts for MetalQZJ_9:

(Start: 24 @4770 has 52 MA's), (66, 5049), (75, 5091), (87, 5184), (96, 5286), (131, 5409), (152, 5568), (158, 5595), (210, 5826), (226, 5859), (260, 5955), (281, 6009), (292, 6051), (305, 6102),

Gene: MiaZeal_47 Start: 37509, Stop: 38897, Start Num: 24

Candidate Starts for MiaZeal_47:

(Start: 24 @37509 has 52 MA's), (Start: 38 @37560 has 3 MA's), (49, 37608), (64, 37731), (66, 37764), (72, 37797), (86, 37869), (87, 37908), (121, 38106), (123, 38118), (130, 38154), (131, 38169), (153, 38331), (158, 38355), (178, 38442), (210, 38622), (219, 38643), (275, 38775), (276, 38778), (281, 38793), (282, 38796), (300, 38862),

Gene: Michley_9 Start: 4506, Stop: 5939, Start Num: 28

Candidate Starts for Michley_9:

(Start: 28 @4506 has 159 MA's), (Start: 38 @4554 has 3 MA's), (66, 4758), (85, 4860), (86, 4863), (87, 4902), (131, 5157), (152, 5316), (158, 5343), (210, 5574), (226, 5607), (260, 5703), (281, 5757), (292, 5799), (301, 5835), (305, 5850),

Gene: Miko_12 Start: 6395, Stop: 7684, Start Num: 25

Candidate Starts for Miko_12:

(Start: 25 @6395 has 169 MA's), (50, 6497), (71, 6680), (76, 6707), (87, 6806), (88, 6818), (90, 6866), (111, 6938), (120, 6950), (128, 6971), (135, 7022), (201, 7289), (210, 7322), (221, 7346), (266, 7484), (272, 7493), (308, 7613),

Gene: Millski_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Millski_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: MiniLon_26 Start: 24741, Stop: 26216, Start Num: 28

Candidate Starts for MiniLon_26:

(Start: 28 @24741 has 159 MA's), (Start: 38 @24789 has 3 MA's), (50, 24843), (55, 24876), (66, 24993), (83, 25074), (87, 25137), (88, 25149), (90, 25179), (131, 25377), (156, 25563), (189, 25695), (190, 25698), (191, 25701), (210, 25821), (226, 25854), (248, 25926), (257, 25959), (261, 25971), (284, 26043), (312, 26172),

Gene: MiniMac_26 Start: 24742, Stop: 26217, Start Num: 28

Candidate Starts for MiniMac_26:

(Start: 28 @24742 has 159 MA's), (Start: 38 @24790 has 3 MA's), (50, 24844), (55, 24877), (66, 24994), (83, 25075), (87, 25138), (88, 25150), (90, 25180), (131, 25378), (156, 25564), (189, 25696), (190, 25699), (191, 25702), (210, 25822), (226, 25855), (248, 25927), (257, 25960), (261, 25972), (284, 26044), (312, 26173),

Gene: Miramae_8 Start: 3924, Stop: 5396, Start Num: 25

Candidate Starts for Miramae_8:

(Start: 25 @3924 has 169 MA's), (66, 4176), (87, 4335), (88, 4347), (131, 4593), (139, 4662), (153, 4764), (155, 4776), (156, 4779), (189, 4911), (198, 4992), (202, 5004), (210, 5034), (220, 5058), (237, 5097), (266, 5196), (283, 5241), (288, 5262),

Gene: Molly_10 Start: 4366, Stop: 5799, Start Num: 28

Candidate Starts for Molly_10:

(Start: 28 @4366 has 159 MA's), (Start: 38 @4414 has 3 MA's), (50, 4468), (66, 4618), (85, 4720), (86, 4723), (87, 4762), (131, 5017), (152, 5176), (158, 5203), (210, 5434), (226, 5467), (260, 5563), (281, 5617), (292, 5659), (305, 5710),

Gene: Monet_10 Start: 5046, Stop: 6494, Start Num: 19

Candidate Starts for Monet_10:

(15, 5037), (Start: 19 @5046 has 3 MA's), (Start: 24 @5073 has 52 MA's), (66, 5352), (75, 5394), (87, 5487), (96, 5589), (131, 5712), (152, 5871), (158, 5898), (210, 6129), (226, 6162), (260, 6258), (281, 6312), (292, 6354), (305, 6405),

Gene: MontyDev_35 Start: 32241, Stop: 33710, Start Num: 36

Candidate Starts for MontyDev_35:

(Start: 36 @32241 has 35 MA's), (43, 32283), (53, 32346), (64, 32448), (84, 32595), (85, 32613), (87, 32655), (88, 32667), (92, 32715), (109, 32811), (112, 32823), (116, 32832), (122, 32865), (131, 32919), (136, 32964), (153, 33123), (157, 33144), (158, 33147), (170, 33192), (176, 33222), (195, 33291), (196, 33306), (198, 33330), (210, 33375), (220, 33399), (248, 33486), (257, 33516), (268, 33549), (278, 33579), (291, 33621),

Gene: Moose_8 Start: 4599, Stop: 6032, Start Num: 28

Candidate Starts for Moose_8:

(Start: 28 @4599 has 159 MA's), (Start: 38 @4647 has 3 MA's), (66, 4851), (85, 4953), (86, 4956), (87, 4995), (96, 5127), (131, 5250), (152, 5409), (158, 5436), (210, 5667), (226, 5700), (281, 5850), (292, 5892), (305, 5943),

Gene: Moostard_26 Start: 24965, Stop: 26437, Start Num: 28

Candidate Starts for Moostard_26:

(Start: 28 @24965 has 159 MA's), (Start: 38 @25013 has 3 MA's), (50, 25067), (54, 25097), (55, 25100), (60, 25142), (66, 25217), (87, 25361), (88, 25373), (131, 25601), (140, 25670), (156, 25787), (189, 25919), (191, 25925), (210, 26045), (226, 26078), (230, 26090), (248, 26150), (276, 26228), (312, 26393),

Gene: Morpher26_8 Start: 3936, Stop: 5432, Start Num: 25

Candidate Starts for Morpher26_8:

(Start: 25 @3936 has 169 MA's), (55, 4071), (60, 4113), (66, 4188), (84, 4290), (85, 4308), (87, 4347), (88, 4359), (131, 4608), (155, 4791), (156, 4794), (189, 4926), (190, 4929), (191, 4932), (198, 5007), (210, 5049), (248, 5154), (262, 5202), (287, 5280), (308, 5367),

Gene: Morrow_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Morrow_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: MrGordo_9 Start: 4339, Stop: 5751, Start Num: 28

Candidate Starts for MrGordo_9:

(Start: 28 @4339 has 159 MA's), (Start: 38 @4387 has 3 MA's), (66, 4591), (82, 4663), (86, 4696), (87, 4735), (131, 4969), (152, 5128), (158, 5155), (210, 5386), (226, 5419), (260, 5515), (281, 5569), (292, 5611), (305, 5662),

Gene: Mryolo_8 Start: 4348, Stop: 5781, Start Num: 28

Candidate Starts for Mryolo_8:

(Start: 28 @4348 has 159 MA's), (Start: 38 @4396 has 3 MA's), (66, 4600), (85, 4702), (86, 4705), (87, 4744), (131, 4999), (152, 5158), (158, 5185), (183, 5272), (210, 5416), (226, 5449), (260, 5545), (281, 5599), (292, 5641), (305, 5692),

Gene: MsGreen_26 Start: 24962, Stop: 26434, Start Num: 28

Candidate Starts for MsGreen_26:

(Start: 28 @24962 has 159 MA's), (Start: 38 @25010 has 3 MA's), (50, 25064), (54, 25094), (55, 25097), (60, 25139), (66, 25214), (87, 25358), (88, 25370), (131, 25598), (140, 25667), (156, 25784), (189, 25916), (191, 25922), (210, 26042), (226, 26075), (230, 26087), (248, 26147), (276, 26225), (312, 26390),

Gene: Mule_8 Start: 4424, Stop: 5851, Start Num: 28

Candidate Starts for Mule_8:

(Start: 28 @4424 has 159 MA's), (Start: 38 @4472 has 3 MA's), (66, 4676), (85, 4778), (86, 4781), (87, 4820), (96, 4952), (131, 5075), (152, 5234), (158, 5261), (210, 5492), (226, 5525), (260, 5621), (281, 5675), (292, 5717), (305, 5768),

Gene: Mundrea_8 Start: 3919, Stop: 5394, Start Num: 25

Candidate Starts for Mundrea_8:

(Start: 25 @3919 has 169 MA's), (66, 4171), (87, 4330), (88, 4342), (113, 4510), (131, 4591), (139, 4660), (153, 4762), (155, 4774), (156, 4777), (189, 4909), (198, 4990), (210, 5032), (220, 5056), (266, 5194), (272, 5203), (290, 5266), (299, 5287), (304, 5305),

Gene: Museum_10 Start: 4150, Stop: 5583, Start Num: 28

Candidate Starts for Museum_10:

(Start: 28 @4150 has 159 MA's), (Start: 38 @4198 has 3 MA's), (50, 4252), (66, 4402), (85, 4504), (86, 4507), (87, 4546), (131, 4801), (152, 4960), (158, 4987), (183, 5074), (210, 5218), (226, 5251), (260, 5347), (281, 5401), (292, 5443), (305, 5494),

Gene: MyraDee_7 Start: 3258, Stop: 4625, Start Num: 23

Candidate Starts for MyraDee_7:

(Start: 23 @3258 has 1 MA's), (Start: 38 @3309 has 3 MA's), (66, 3513), (86, 3636), (87, 3672), (88, 3684), (98, 3789), (104, 3801), (124, 3861), (127, 3873), (131, 3909), (152, 4068), (153, 4071), (192, 4209), (227, 4344), (244, 4377), (249, 4395), (266, 4440), (290, 4503), (306, 4572),

Gene: NEHalo_9 Start: 4208, Stop: 5593, Start Num: 38

Candidate Starts for NEHalo_9:

(Start: 28 @4160 has 159 MA's), (Start: 38 @4208 has 3 MA's), (50, 4262), (66, 4412), (85, 4514), (86, 4517), (87, 4556), (131, 4811), (152, 4970), (158, 4997), (183, 5084), (210, 5228), (226, 5261), (260, 5357), (281, 5411), (292, 5453), (305, 5504),

Gene: Naira_9 Start: 4539, Stop: 5972, Start Num: 28

Candidate Starts for Naira_9:

(Start: 28 @4539 has 159 MA's), (Start: 38 @4587 has 3 MA's), (50, 4641), (66, 4791), (85, 4893), (86, 4896), (87, 4935), (131, 5190), (152, 5349), (158, 5376), (210, 5607), (226, 5640), (281, 5790), (292, 5832), (301, 5868), (305, 5883),

Gene: Nebs_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Nebs_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Neeharika16_13 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for Neeharika16_13:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (61, 6022), (62, 6037), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (166, 6784), (169, 6790), (189, 6853),

Gene: Nemo27_8 Start: 3920, Stop: 5422, Start Num: 25

Candidate Starts for Nemo27_8:

(Start: 25 @3920 has 169 MA's), (55, 4055), (66, 4172), (85, 4292), (87, 4331), (88, 4343), (126, 4550), (131, 4589), (155, 4772), (156, 4775), (189, 4907), (191, 4913), (210, 5033), (234, 5087), (248, 5138), (266, 5201), (277, 5234),

Gene: Nerujay_10 Start: 5034, Stop: 6428, Start Num: 33

Candidate Starts for Nerujay_10:

(20, 4992), (Start: 33 @5034 has 9 MA's), (49, 5112), (66, 5268), (86, 5373), (87, 5412), (131, 5646), (152, 5805), (158, 5832), (210, 6063), (226, 6096), (281, 6246), (292, 6288), (305, 6339),

Gene: Newrala_13 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for Newrala_13:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (61, 6022), (62, 6037), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (166, 6784), (169, 6790), (189, 6853),

Gene: Nhonho_9 Start: 4456, Stop: 5877, Start Num: 24

Candidate Starts for Nhonho_9:

(Start: 24 @4456 has 52 MA's), (63, 4681), (75, 4777), (87, 4870), (96, 4972), (131, 5095), (152, 5254), (158, 5281), (210, 5512), (226, 5545), (281, 5695), (292, 5737), (305, 5788),

Gene: Nicholas_26 Start: 24962, Stop: 26434, Start Num: 28

Candidate Starts for Nicholas_26:

(Start: 28 @24962 has 159 MA's), (Start: 38 @25010 has 3 MA's), (50, 25064), (54, 25094), (55, 25097), (60, 25139), (66, 25214), (87, 25358), (88, 25370), (131, 25598), (140, 25667), (156, 25784), (189, 25916), (191, 25922), (210, 26042), (226, 26075), (230, 26087), (248, 26147), (276, 26225), (312, 26390),

Gene: Nilo_36 Start: 32597, Stop: 34066, Start Num: 36

Candidate Starts for Nilo_36:

(Start: 36 @32597 has 35 MA's), (43, 32639), (53, 32702), (64, 32804), (84, 32951), (85, 32969), (87, 33011), (88, 33023), (92, 33071), (109, 33167), (112, 33179), (116, 33188), (122, 33221), (131, 33275), (136, 33320), (153, 33479), (157, 33500), (158, 33503), (170, 33548), (176, 33578), (195, 33647), (196, 33662), (198, 33686), (210, 33731), (220, 33755), (248, 33842), (257, 33872), (258, 33875), (268, 33905), (278, 33935), (291, 33977),

Gene: Niza_10 Start: 5182, Stop: 6603, Start Num: 24

Candidate Starts for Niza_10:

(Start: 24 @5182 has 52 MA's), (66, 5461), (75, 5503), (87, 5596), (96, 5698), (131, 5821), (152, 5980), (158, 6007), (210, 6238), (226, 6271), (260, 6367), (281, 6421), (292, 6463), (305, 6514),

Gene: Noelle_8 Start: 3990, Stop: 5489, Start Num: 25

Candidate Starts for Noelle_8:

(Start: 25 @3990 has 169 MA's), (Start: 44 @4068 has 2 MA's), (48, 4077), (54, 4122), (55, 4125), (66, 4242), (85, 4362), (87, 4401), (88, 4413), (126, 4617), (131, 4656), (155, 4839), (156, 4842), (189, 4974), (191, 4980), (210, 5100), (234, 5154), (248, 5205), (266, 5268), (277, 5301),

Gene: NorthStar_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for NorthStar_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234,

5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Norz_10 Start: 5109, Stop: 6524, Start Num: 24

Candidate Starts for Norz_10:

(15, 5073), (Start: 19 @5082 has 3 MA's), (Start: 24 @5109 has 52 MA's), (66, 5388), (75, 5430), (87, 5523), (96, 5625), (131, 5748), (152, 5907), (158, 5934), (183, 6021), (210, 6165), (226, 6198), (281, 6348), (292, 6390), (305, 6441),

Gene: NotAPhaseMom_8 Start: 3925, Stop: 5427, Start Num: 25

Candidate Starts for NotAPhaseMom_8:

(Start: 25 @3925 has 169 MA's), (55, 4060), (66, 4177), (85, 4297), (87, 4336), (88, 4348), (126, 4555), (131, 4594), (155, 4777), (156, 4780), (189, 4912), (191, 4918), (210, 5038), (234, 5092), (248, 5143), (266, 5206), (277, 5239),

Gene: NothingSpecial_11 Start: 6508, Stop: 7986, Start Num: 25

Candidate Starts for NothingSpecial_11:

(Start: 25 @6508 has 169 MA's), (39, 6559), (50, 6613), (60, 6688), (74, 6823), (85, 6874), (87, 6916), (88, 6928), (91, 6988), (131, 7183), (139, 7252), (155, 7366), (156, 7369), (174, 7438), (189, 7501), (202, 7594), (210, 7624), (220, 7648), (223, 7651), (238, 7687), (266, 7786), (272, 7795),

Gene: Nyxis_8 Start: 3921, Stop: 5405, Start Num: 25

Candidate Starts for Nyxis_8:

(Start: 25 @3921 has 169 MA's), (Start: 44 @3999 has 2 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (131, 4587), (139, 4656), (153, 4758), (155, 4770), (156, 4773), (189, 4905), (202, 4998), (210, 5031), (255, 5163), (263, 5193), (276, 5220), (283, 5247), (308, 5331),

Gene: OKaNui_8 Start: 3686, Stop: 5188, Start Num: 25

Candidate Starts for OKaNui_8:

(Start: 25 @3686 has 169 MA's), (55, 3821), (66, 3938), (85, 4058), (87, 4097), (88, 4109), (104, 4247), (126, 4316), (131, 4355), (155, 4538), (156, 4541), (189, 4673), (191, 4679), (210, 4799), (234, 4853), (248, 4904), (266, 4967), (277, 5000),

Gene: Obama12_8 Start: 4008, Stop: 5411, Start Num: 44

Candidate Starts for Obama12_8:

(Start: 25 @3930 has 169 MA's), (Start: 44 @4008 has 2 MA's), (66, 4188), (87, 4347), (88, 4359), (131, 4608), (139, 4677), (155, 4791), (156, 4794), (174, 4863), (189, 4926), (210, 5049), (220, 5073), (266, 5211), (290, 5283), (299, 5304), (304, 5322),

Gene: Ohfah_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Ohfah_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Ohno789_8 Start: 4009, Stop: 5421, Start Num: 28

Candidate Starts for Ohno789_8:

(Start: 28 @4009 has 159 MA's), (Start: 38 @4057 has 3 MA's), (66, 4261), (82, 4333), (86, 4366), (87, 4405), (131, 4639), (152, 4798), (158, 4825), (210, 5056), (226, 5089), (281, 5239), (292, 5281), (305, 5332),

Gene: Oogway_8 Start: 4580, Stop: 6013, Start Num: 28

Candidate Starts for Oogway_8:

(Start: 28 @4580 has 159 MA's), (Start: 38 @4628 has 3 MA's), (66, 4832), (85, 4934), (86, 4937), (87, 4976), (131, 5231), (152, 5390), (158, 5417), (210, 5648), (226, 5681), (281, 5831), (292, 5873), (305, 5924),

Gene: Opia_47 Start: 40784, Stop: 42295, Start Num: 32

Candidate Starts for Opia_47:

(Start: 32 @40784 has 65 MA's), (Start: 36 @40796 has 35 MA's), (55, 40907), (64, 41003), (74, 41108), (82, 41138), (86, 41183), (87, 41222), (88, 41234), (96, 41360), (100, 41369), (102, 41375), (108, 41393), (111, 41405), (112, 41408), (117, 41420), (119, 41426), (130, 41492), (134, 41543), (142, 41624), (149, 41681), (153, 41711), (157, 41732), (170, 41780), (177, 41810), (184, 41840), (187, 41846), (197, 41912), (213, 41969), (236, 42026), (242, 42044), (243, 42047), (263, 42119), (265, 42128), (273, 42137), (297, 42221),

Gene: PP_18 Start: 9773, Stop: 11242, Start Num: 25

Candidate Starts for PP_18:

(16, 9740), (21, 9752), (Start: 25 @9773 has 169 MA's), (40, 9827), (64, 9998), (66, 10031), (79, 10109), (87, 10190), (88, 10202), (104, 10337), (123, 10394), (131, 10445), (143, 10562), (157, 10670), (175, 10736), (190, 10787), (210, 10901), (266, 11042), (287, 11105), (288, 11108), (293, 11126), (317, 11237),

Gene: PSullivan_11 Start: 5068, Stop: 6501, Start Num: 28

Candidate Starts for PSullivan_11:

(Start: 28 @5068 has 159 MA's), (Start: 38 @5116 has 3 MA's), (66, 5320), (85, 5422), (86, 5425), (87, 5464), (131, 5719), (152, 5878), (158, 5905), (210, 6136), (226, 6169), (260, 6265), (281, 6319), (292, 6361), (305, 6412),

Gene: Pace1224_26 Start: 25277, Stop: 26638, Start Num: 31

Candidate Starts for Pace1224_26:

(Start: 31 @25277 has 1 MA's), (45, 25343), (51, 25379), (52, 25382), (53, 25400), (64, 25490), (79, 25583), (83, 25601), (86, 25625), (87, 25664), (107, 25841), (110, 25853), (119, 25883), (131, 25964), (132, 25979), (146, 26066), (153, 26126), (156, 26141), (157, 26147), (182, 26237), (186, 26264), (210, 26408), (227, 26447),

Gene: PacerPaul_9 Start: 4857, Stop: 6269, Start Num: 28

Candidate Starts for PacerPaul_9:

(Start: 28 @4857 has 159 MA's), (Start: 38 @4905 has 3 MA's), (66, 5109), (82, 5181), (86, 5214), (87, 5253), (131, 5487), (152, 5646), (158, 5673), (210, 5904), (226, 5937), (281, 6087), (292, 6129), (305, 6180),

Gene: PainterBoy_11 Start: 5814, Stop: 7079, Start Num: 32

Candidate Starts for PainterBoy_11:

(Start: 32 @5814 has 65 MA's), (Start: 37 @5832 has 1 MA's), (59, 5970), (61, 5982), (68, 6093), (74, 6126), (87, 6240), (88, 6252), (90, 6285), (97, 6369), (99, 6372), (101, 6378), (103, 6387), (120, 6444), (129, 6492), (153, 6711), (159, 6738), (164, 6762), (171, 6786), (194, 6879), (206, 6945), (218, 6984), (222, 6990),

Gene: Palestino_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Palestino_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Papez_10 Start: 5846, Stop: 7264, Start Num: 24

Candidate Starts for Papez_10:

(15, 5810), (Start: 19 @5819 has 3 MA's), (Start: 24 @5846 has 52 MA's), (66, 6125), (75, 6167), (87, 6260), (96, 6362), (131, 6485), (152, 6644), (158, 6671), (210, 6902), (226, 6935), (281, 7085), (292, 7127), (305, 7178),

Gene: Paphu_8 Start: 4046, Stop: 5458, Start Num: 28

Candidate Starts for Paphu_8:

(Start: 28 @4046 has 159 MA's), (Start: 38 @4094 has 3 MA's), (66, 4298), (82, 4370), (86, 4403), (87, 4442), (131, 4676), (152, 4835), (158, 4862), (210, 5093), (226, 5126), (260, 5222), (281, 5276), (292, 5318), (305, 5369),

Gene: Papyrus_35 Start: 32256, Stop: 33725, Start Num: 36

Candidate Starts for Papyrus_35:

(Start: 36 @32256 has 35 MA's), (43, 32298), (53, 32361), (64, 32463), (65, 32481), (84, 32610), (85, 32628), (87, 32670), (88, 32682), (92, 32730), (112, 32838), (116, 32847), (122, 32880), (131, 32934), (136, 32979), (153, 33138), (157, 33159), (158, 33162), (170, 33207), (176, 33237), (196, 33321), (198, 33345), (210, 33390), (220, 33414), (248, 33501), (257, 33531), (278, 33594), (291, 33636),

Gene: Paraselene_8 Start: 4349, Stop: 5770, Start Num: 24

Candidate Starts for Paraselene_8:

(Start: 24 @4349 has 52 MA's), (66, 4628), (75, 4670), (87, 4763), (96, 4865), (131, 4988), (152, 5147), (210, 5405), (226, 5438), (260, 5534), (281, 5588), (292, 5630), (305, 5681),

Gene: Pari_10 Start: 4804, Stop: 6237, Start Num: 28

Candidate Starts for Pari_10:

(Start: 28 @4804 has 159 MA's), (Start: 38 @4852 has 3 MA's), (50, 4906), (66, 5056), (85, 5158), (86, 5161), (87, 5200), (131, 5455), (152, 5614), (158, 5641), (183, 5728), (210, 5872), (226, 5905), (260, 6001), (281, 6055), (292, 6097), (305, 6148),

Gene: Parliament_8 Start: 4407, Stop: 5840, Start Num: 28

Candidate Starts for Parliament_8:

(Start: 28 @4407 has 159 MA's), (Start: 38 @4455 has 3 MA's), (66, 4659), (85, 4761), (86, 4764), (87, 4803), (131, 5058), (152, 5217), (158, 5244), (210, 5475), (226, 5508), (260, 5604), (281, 5658), (292, 5700), (305, 5751),

Gene: PascalRango_8 Start: 4203, Stop: 5636, Start Num: 28

Candidate Starts for PascalRango_8:

(Start: 28 @4203 has 159 MA's), (Start: 38 @4251 has 3 MA's), (50, 4305), (66, 4455), (85, 4557), (86, 4560), (87, 4599), (131, 4854), (152, 5013), (158, 5040), (210, 5271), (226, 5304), (260, 5400), (281, 5454), (292, 5496), (305, 5547),

Gene: PattyP_10 Start: 4371, Stop: 5792, Start Num: 24

Candidate Starts for PattyP_10:

(Start: 24 @4371 has 52 MA's), (66, 4650), (75, 4692), (87, 4785), (96, 4887), (131, 5010), (152, 5169), (158, 5196), (210, 5427), (226, 5460), (260, 5556), (281, 5610), (292, 5652), (305, 5703),

Gene: Payneful_8 Start: 4150, Stop: 5583, Start Num: 28

Candidate Starts for Payneful_8:

(Start: 28 @4150 has 159 MA's), (Start: 38 @4198 has 3 MA's), (66, 4402), (85, 4504), (86, 4507), (87, 4546), (131, 4801), (152, 4960), (158, 4987), (210, 5218), (226, 5251), (260, 5347), (281, 5401), (292, 5443), (305, 5494),

Gene: PeaceMeal1_8 Start: 2286, Stop: 3782, Start Num: 32

Candidate Starts for PeaceMeal1_8:

(Start: 32 @2286 has 65 MA's), (Start: 37 @2304 has 1 MA's), (61, 2454), (68, 2565), (74, 2598), (81, 2619), (87, 2712), (88, 2724), (90, 2757), (124, 2964), (145, 3156), (148, 3171), (151, 3198), (172, 3282), (173, 3288), (197, 3408), (205, 3432), (208, 3444), (216, 3471), (247, 3561), (251, 3576), (274, 3633), (296, 3714),

Gene: Peaches_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Peaches_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Pelly_10 Start: 5000, Stop: 6469, Start Num: 28

Candidate Starts for Pelly_10:

(Start: 28 @5000 has 159 MA's), (Start: 38 @5048 has 3 MA's), (66, 5252), (85, 5354), (86, 5357), (87, 5396), (131, 5651), (152, 5810), (158, 5837), (176, 5912), (210, 6104), (226, 6137), (281, 6287), (292, 6329), (305, 6380),

Gene: Pepe_10 Start: 5023, Stop: 6492, Start Num: 28

Candidate Starts for Pepe_10:

(Start: 28 @5023 has 159 MA's), (Start: 38 @5071 has 3 MA's), (66, 5275), (85, 5377), (86, 5380), (87, 5419), (131, 5674), (152, 5833), (158, 5860), (176, 5935), (210, 6127), (226, 6160), (281, 6310), (292, 6352), (305, 6403),

Gene: Perplexer_8 Start: 3936, Stop: 5426, Start Num: 25

Candidate Starts for Perplexer_8:

(Start: 25 @3936 has 169 MA's), (55, 4071), (60, 4113), (66, 4188), (85, 4308), (87, 4347), (88, 4359), (131, 4602), (139, 4671), (153, 4773), (155, 4785), (156, 4788), (189, 4920), (191, 4926), (210, 5043), (248, 5148), (262, 5196), (287, 5274), (308, 5361),

Gene: Perseus_10 Start: 4720, Stop: 6153, Start Num: 28

Candidate Starts for Perseus_10:

(Start: 28 @4720 has 159 MA's), (Start: 38 @4768 has 3 MA's), (66, 4972), (85, 5074), (86, 5077), (87, 5116), (96, 5248), (131, 5371), (152, 5530), (158, 5557), (210, 5788), (226, 5821), (281, 5971), (292, 6013), (305, 6064),

Gene: PeterPeter_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for PeterPeter_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Peterson_11 Start: 5843, Stop: 7252, Start Num: 28

Candidate Starts for Peterson_11:

(Start: 28 @5843 has 159 MA's), (Start: 38 @5891 has 3 MA's), (66, 6095), (82, 6167), (86, 6200), (87, 6239), (131, 6473), (152, 6632), (158, 6659), (210, 6890), (226, 6923), (281, 7073), (292, 7115), (305, 7166),

Gene: PetiteSangsue_8 Start: 3936, Stop: 5432, Start Num: 25

Candidate Starts for PetiteSangsue_8:

(Start: 25 @3936 has 169 MA's), (55, 4071), (60, 4113), (66, 4188), (84, 4290), (85, 4308), (87, 4347), (88, 4359), (131, 4608), (155, 4791), (156, 4794), (189, 4926), (190, 4929), (191, 4932), (198, 5007), (210, 5049), (248, 5154), (262, 5202), (283, 5262), (287, 5280), (303, 5346), (308, 5367),

Gene: Petp2012_11 Start: 4512, Stop: 5945, Start Num: 28

Candidate Starts for Petp2012_11:

(Start: 28 @4512 has 159 MA's), (Start: 38 @4560 has 3 MA's), (50, 4614), (66, 4764), (85, 4866), (86, 4869), (87, 4908), (131, 5163), (152, 5322), (158, 5349), (210, 5580), (226, 5613), (260, 5709), (281, 5763), (292, 5805), (305, 5856),

Gene: Petruchio_9 Start: 4278, Stop: 5711, Start Num: 28

Candidate Starts for Petruchio_9:

(Start: 28 @4278 has 159 MA's), (Start: 38 @4326 has 3 MA's), (66, 4530), (85, 4632), (86, 4635), (87, 4674), (96, 4806), (131, 4929), (152, 5088), (158, 5115), (210, 5346), (226, 5379), (281, 5529), (292, 5571), (305, 5622),

Gene: Phacado_8 Start: 3920, Stop: 5422, Start Num: 25

Candidate Starts for Phacado_8:

(Start: 25 @3920 has 169 MA's), (55, 4055), (66, 4172), (85, 4292), (87, 4331), (88, 4343), (126, 4550), (131, 4589), (155, 4772), (156, 4775), (189, 4907), (191, 4913), (210, 5033), (234, 5087), (248, 5138), (266, 5201), (277, 5234),

Gene: Phaded_12 Start: 6538, Stop: 8052, Start Num: 25

Candidate Starts for Phaded_12:

(13, 6475), (Start: 25 @6538 has 169 MA's), (87, 6949), (88, 6961), (126, 7177), (131, 7216), (139, 7285), (156, 7402), (210, 7657), (229, 7699), (248, 7762), (287, 7888), (308, 7978), (310, 7990),

Gene: Phantasmagoria_47 Start: 40808, Stop: 42307, Start Num: 36

Candidate Starts for Phantasmagoria_47:

(Start: 32 @40796 has 65 MA's), (Start: 36 @40808 has 35 MA's), (55, 40919), (64, 41015), (74, 41120), (82, 41150), (84, 41162), (86, 41195), (87, 41234), (88, 41246), (96, 41372), (100, 41381), (102, 41387), (108, 41405), (111, 41417), (112, 41420), (117, 41432), (119, 41438), (130, 41504), (142, 41636), (149, 41693), (153, 41723), (157, 41744), (170, 41792), (177, 41822), (184, 41852), (187, 41858), (197, 41924), (213, 41981), (236, 42038), (242, 42056), (243, 42059), (263, 42131), (265, 42140), (273, 42149), (297, 42233),

Gene: Pharaoh_10 Start: 6169, Stop: 7521, Start Num: 32

Candidate Starts for Pharaoh_10:

(Start: 32 @6169 has 65 MA's), (40, 6211), (42, 6223), (50, 6265), (52, 6274), (55, 6298), (66, 6415), (79, 6475), (87, 6556), (88, 6568), (104, 6688), (105, 6694), (127, 6766), (131, 6802), (133, 6832), (153, 6964), (160, 6997), (224, 7240), (245, 7297), (260, 7336), (285, 7399),

Gene: Phelipe_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Phelipe_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: PherrisBueller_10 Start: 4452, Stop: 5921, Start Num: 28

Candidate Starts for PherrisBueller_10:

(Start: 28 @4452 has 159 MA's), (Start: 38 @4500 has 3 MA's), (66, 4704), (85, 4806), (86, 4809), (87, 4848), (96, 4980), (131, 5103), (152, 5262), (158, 5289), (178, 5364), (180, 5373), (210, 5556), (226, 5589), (281, 5739), (292, 5781), (305, 5832),

Gene: Phighter1804_8 Start: 3927, Stop: 5408, Start Num: 25

Candidate Starts for Phighter1804_8:

(Start: 25 @3927 has 169 MA's), (Start: 44 @4005 has 2 MA's), (66, 4185), (87, 4344), (88, 4356), (131, 4605), (139, 4674), (153, 4776), (155, 4788), (156, 4791), (174, 4860), (189, 4923), (198, 5004), (210, 5046), (220, 5070), (266, 5208), (272, 5217), (290, 5280), (299, 5301), (304, 5319),

Gene: Phontbonne_8 Start: 3916, Stop: 5403, Start Num: 25

Candidate Starts for Phontbonne_8:

(Start: 25 @3916 has 169 MA's), (55, 4051), (66, 4168), (85, 4288), (87, 4327), (88, 4339), (104, 4477), (126, 4546), (131, 4585), (155, 4768), (156, 4771), (189, 4903), (202, 4996), (210, 5029), (255, 5161), (263, 5191), (276, 5218), (283, 5245), (308, 5329),

Gene: PhrostyMug_8 Start: 4424, Stop: 5851, Start Num: 28

Candidate Starts for PhrostyMug_8:

(Start: 28 @4424 has 159 MA's), (Start: 38 @4472 has 3 MA's), (66, 4676), (85, 4778), (86, 4781), (87, 4820), (96, 4952), (131, 5075), (152, 5234), (158, 5261), (210, 5492), (226, 5525), (260, 5621), (281, 5675), (292, 5717), (305, 5768),

Gene: PinkPlastic_7 Start: 4067, Stop: 5500, Start Num: 28

Candidate Starts for PinkPlastic_7:

(Start: 28 @4067 has 159 MA's), (Start: 38 @4115 has 3 MA's), (50, 4169), (66, 4319), (85, 4421), (86, 4424), (87, 4463), (131, 4718), (152, 4877), (183, 4991), (210, 5135), (226, 5168), (281, 5318), (292, 5360), (305, 5411),

Gene: Pinto_11 Start: 4710, Stop: 6143, Start Num: 28

Candidate Starts for Pinto_11:

(Start: 28 @4710 has 159 MA's), (Start: 38 @4758 has 3 MA's), (66, 4962), (85, 5064), (86, 5067), (87, 5106), (131, 5361), (152, 5520), (158, 5547), (210, 5778), (226, 5811), (281, 5961), (292, 6003), (305, 6054),

Gene: Pipcraft_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Pipcraft_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Pippin_10 Start: 4409, Stop: 5842, Start Num: 28

Candidate Starts for Pippin_10:

(Start: 28 @4409 has 159 MA's), (Start: 38 @4457 has 3 MA's), (66, 4661), (85, 4763), (86, 4766), (87, 4805), (131, 5060), (152, 5219), (158, 5246), (210, 5477), (226, 5510), (281, 5660), (292, 5702), (305, 5753),

Gene: Pita2_11 Start: 5068, Stop: 6501, Start Num: 28

Candidate Starts for Pita2_11:

(Start: 28 @5068 has 159 MA's), (Start: 38 @5116 has 3 MA's), (66, 5320), (85, 5422), (86, 5425), (87, 5464), (131, 5719), (152, 5878), (158, 5905), (210, 6136), (226, 6169), (260, 6265), (281, 6319), (292, 6361), (305, 6412),

Gene: Pmask_13 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for Pmask_13:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (61, 6022), (62, 6037), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (166, 6784), (169, 6790), (189, 6853),

Gene: Polymorphads_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Polymorphads_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Poompha_8 Start: 2284, Stop: 3780, Start Num: 32

Candidate Starts for Poompha_8:

(Start: 32 @2284 has 65 MA's), (Start: 37 @2302 has 1 MA's), (61, 2452), (68, 2563), (74, 2596), (81, 2617), (87, 2710), (88, 2722), (90, 2755), (124, 2962), (145, 3154), (148, 3169), (151, 3196), (172, 3280), (173, 3286), (197, 3406), (205, 3430), (208, 3442), (216, 3469), (247, 3559), (251, 3574), (274, 3631), (296, 3712),

Gene: Porcelain_46 Start: 37509, Stop: 38897, Start Num: 24

Candidate Starts for Porcelain_46:

(Start: 24 @37509 has 52 MA's), (Start: 38 @37560 has 3 MA's), (49, 37608), (64, 37731), (66, 37764), (72, 37797), (86, 37869), (87, 37908), (121, 38106), (123, 38118), (130, 38154), (131, 38169), (153, 38331), (158, 38355), (178, 38442), (210, 38622), (219, 38643), (275, 38775), (276, 38778), (281, 38793), (282, 38796), (300, 38862),

Gene: Priamo_13 Start: 5872, Stop: 7083, Start Num: 32

Candidate Starts for Priamo_13:

(Start: 32 @5872 has 65 MA's), (Start: 37 @5890 has 1 MA's), (61, 6040), (68, 6151), (82, 6214), (87, 6298), (88, 6310), (90, 6343), (129, 6544), (153, 6763), (165, 6799), (166, 6802), (189, 6871),

Gene: Pukovnik_11 Start: 6123, Stop: 7628, Start Num: 25

Candidate Starts for Pukovnik_11:

(13, 6060), (Start: 25 @6123 has 169 MA's), (87, 6534), (88, 6546), (104, 6693), (131, 6801), (139, 6870), (155, 6984), (156, 6987), (189, 7119), (191, 7125), (210, 7242), (229, 7284), (248, 7347), (287, 7473), (308, 7563),

Gene: Pumbaa_8 Start: 3926, Stop: 5407, Start Num: 25

Candidate Starts for Pumbaa_8:

(Start: 25 @3926 has 169 MA's), (Start: 44 @4004 has 2 MA's), (66, 4184), (87, 4343), (88, 4355), (131, 4604), (139, 4673), (153, 4775), (155, 4787), (156, 4790), (174, 4859), (189, 4922), (198, 5003), (210, 5045), (220, 5069), (266, 5207), (272, 5216), (290, 5279), (299, 5300), (304, 5318),

Gene: QTRlifeCrisis_9 Start: 5075, Stop: 6469, Start Num: 33

Candidate Starts for QTRlifeCrisis_9:

(20, 5033), (Start: 33 @5075 has 9 MA's), (49, 5153), (66, 5309), (86, 5414), (87, 5453), (131, 5687), (152, 5846), (158, 5873), (210, 6104), (226, 6137), (281, 6287), (292, 6329), (305, 6380),

Gene: Qyrzula_44 Start: 40943, Stop: 42454, Start Num: 32

Candidate Starts for Qyrzula_44:

(Start: 32 @40943 has 65 MA's), (Start: 36 @40955 has 35 MA's), (55, 41066), (64, 41162), (74, 41267), (82, 41297), (86, 41342), (87, 41381), (88, 41393), (96, 41519), (100, 41528), (102, 41534), (108, 41552), (111, 41564), (112, 41567), (117, 41579), (119, 41585), (130, 41651), (142, 41783), (149, 41840), (153, 41870), (157, 41891), (170, 41939), (177, 41969), (184, 41999), (187, 42005), (197, 42071), (213, 42128), (236, 42185), (242, 42203), (243, 42206), (263, 42278), (265, 42287), (273, 42296), (297, 42380),

Gene: Rachaly_12 Start: 6415, Stop: 7713, Start Num: 25

Candidate Starts for Rachaly_12:

(Start: 25 @6415 has 169 MA's), (50, 6517), (71, 6700), (87, 6826), (88, 6838), (90, 6886), (120, 6979), (121, 6985), (135, 7051), (201, 7318), (210, 7351), (221, 7375), (266, 7513), (272, 7522), (308, 7642),

Gene: Rajelicia_8 Start: 4207, Stop: 5640, Start Num: 28

Candidate Starts for Rajelicia_8:

(Start: 28 @4207 has 159 MA's), (Start: 38 @4255 has 3 MA's), (50, 4309), (66, 4459), (85, 4561), (86, 4564), (87, 4603), (131, 4858), (152, 5017), (158, 5044), (210, 5275), (226, 5308), (260, 5404), (281, 5458), (292, 5500), (305, 5551),

Gene: Refuge_12 Start: 6968, Stop: 8362, Start Num: 32

Candidate Starts for Refuge_12:

(Start: 32 @6968 has 65 MA's), (42, 7022), (49, 7058), (50, 7064), (52, 7073), (55, 7097), (66, 7214), (79, 7274), (87, 7355), (88, 7367), (105, 7493), (123, 7550), (131, 7601), (153, 7763), (160, 7796), (193, 7913), (211, 8021), (266, 8162), (269, 8165), (288, 8228), (293, 8246), (298, 8267), (315, 8348),

Gene: Relief_8 Start: 3922, Stop: 5424, Start Num: 25

Candidate Starts for Relief_8:

(Start: 25 @3922 has 169 MA's), (55, 4057), (66, 4174), (85, 4294), (87, 4333), (88, 4345), (104, 4483), (126, 4552), (131, 4591), (155, 4774), (156, 4777), (189, 4909), (191, 4915), (210, 5035), (234, 5089), (248, 5140), (266, 5203), (277, 5236),

Gene: Rhinoforte_47 Start: 40929, Stop: 42428, Start Num: 36

Candidate Starts for Rhinoforte_47:

(Start: 32 @40917 has 65 MA's), (Start: 36 @40929 has 35 MA's), (55, 41040), (64, 41136), (74, 41241), (82, 41271), (86, 41316), (87, 41355), (88, 41367), (96, 41493), (100, 41502), (102, 41508), (108, 41526), (111, 41538), (112, 41541), (117, 41553), (119, 41559), (130, 41625), (142, 41757), (149, 41814), (153, 41844), (157, 41865), (170, 41913), (177, 41943), (184, 41973), (187, 41979), (197, 42045), (213, 42102), (236, 42159), (242, 42177), (243, 42180), (263, 42252), (265, 42261), (273, 42270), (297, 42354),

Gene: Rhynn_9 Start: 4637, Stop: 6070, Start Num: 28

Candidate Starts for Rhynn_9:

(Start: 28 @4637 has 159 MA's), (Start: 38 @4685 has 3 MA's), (66, 4889), (86, 4994), (87, 5033), (131, 5288), (152, 5447), (158, 5474), (210, 5705), (226, 5738), (260, 5834), (281, 5888), (292, 5930), (305, 5981),

Gene: RidgeCB_9 Start: 4176, Stop: 5597, Start Num: 24

Candidate Starts for RidgeCB_9:

(Start: 24 @4176 has 52 MA's), (66, 4455), (75, 4497), (87, 4590), (96, 4692), (131, 4815), (152, 4974), (158, 5001), (210, 5232), (226, 5265), (260, 5361), (281, 5415), (292, 5457), (305, 5508),

Gene: Rifter_13 Start: 5824, Stop: 7038, Start Num: 32

Candidate Starts for Rifter_13:

(Start: 32 @5824 has 65 MA's), (Start: 37 @5842 has 1 MA's), (61, 5992), (68, 6103), (74, 6136), (82, 6166), (87, 6250), (88, 6262), (90, 6295), (94, 6367), (101, 6385), (129, 6499), (153, 6718), (162, 6745), (166, 6757), (169, 6763), (189, 6826), (240, 7009),

Gene: Ringer_8 Start: 4646, Stop: 6052, Start Num: 28

Candidate Starts for Ringer_8:

(Start: 28 @4646 has 159 MA's), (Start: 38 @4694 has 3 MA's), (66, 4898), (82, 4970), (86, 5003), (87, 5042), (131, 5276), (152, 5435), (158, 5462), (210, 5693), (226, 5726), (281, 5876), (292, 5918), (305, 5969),

Gene: Riparian_35 Start: 32058, Stop: 33527, Start Num: 36

Candidate Starts for Riparian_35:

(Start: 36 @32058 has 35 MA's), (43, 32100), (53, 32163), (64, 32265), (65, 32283), (84, 32412), (85, 32430), (87, 32472), (88, 32484), (92, 32532), (112, 32640), (116, 32649), (122, 32682), (131, 32736), (136, 32781), (153, 32940), (157, 32961), (158, 32964), (170, 33009), (176, 33039), (196, 33123), (198, 33147), (210, 33192), (220, 33216), (248, 33303), (257, 33333), (268, 33366), (278, 33396), (291, 33438),

Gene: Rohr_10 Start: 4855, Stop: 6276, Start Num: 24

Candidate Starts for Rohr_10:

(Start: 24 @4855 has 52 MA's), (66, 5134), (75, 5176), (87, 5269), (96, 5371), (131, 5494), (152, 5653), (158, 5680), (210, 5911), (226, 5944), (260, 6040), (281, 6094), (292, 6136), (305, 6187),

Gene: Roksolana_13 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for Roksolana_13:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (61, 6022), (62, 6037), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (166, 6784), (169, 6790), (189, 6853),

Gene: Romney_8 Start: 3920, Stop: 5422, Start Num: 25

Candidate Starts for Romney_8:

(Start: 25 @3920 has 169 MA's), (55, 4055), (66, 4172), (85, 4292), (87, 4331), (88, 4343), (104, 4481), (126, 4550), (131, 4589), (155, 4772), (156, 4775), (189, 4907), (191, 4913), (210, 5033), (234, 5087), (248, 5138), (266, 5201), (277, 5234),

Gene: Roosevelt_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Roosevelt_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Rope_35 Start: 32238, Stop: 33707, Start Num: 36

Candidate Starts for Rope_35:

(Start: 36 @32238 has 35 MA's), (43, 32280), (53, 32343), (64, 32445), (65, 32463), (84, 32592), (85, 32610), (87, 32652), (88, 32664), (92, 32712), (112, 32820), (116, 32829), (122, 32862), (131, 32916), (136, 32961), (153, 33120), (157, 33141), (158, 33144), (170, 33189), (176, 33219), (196, 33303), (198, 33327), (210, 33372), (220, 33396), (248, 33483), (257, 33513), (278, 33576), (291, 33618),

Gene: Rosebush_46 Start: 40912, Stop: 42423, Start Num: 32

Candidate Starts for Rosebush_46:

(Start: 32 @40912 has 65 MA's), (Start: 36 @40924 has 35 MA's), (55, 41035), (64, 41131), (74, 41236), (82, 41266), (86, 41311), (87, 41350), (88, 41362), (96, 41488), (100, 41497), (102, 41503), (108, 41521), (111, 41533), (112, 41536), (117, 41548), (119, 41554), (130, 41620), (142, 41752), (149, 41809), (153, 41839), (157, 41860), (170, 41908), (177, 41938), (184, 41968), (187, 41974), (197, 42040), (213, 42097), (236, 42154), (242, 42172), (243, 42175), (263, 42247), (265, 42256), (273, 42265), (297, 42349),

Gene: Rubeus_9 Start: 4167, Stop: 5600, Start Num: 28

Candidate Starts for Rubeus_9:

(Start: 28 @4167 has 159 MA's), (Start: 38 @4215 has 3 MA's), (50, 4269), (66, 4419), (85, 4521), (86, 4524), (87, 4563), (131, 4818), (152, 4977), (158, 5004), (210, 5235), (226, 5268), (260, 5364), (281, 5418), (292, 5460), (305, 5511),

Gene: Rufus_9 Start: 4224, Stop: 5657, Start Num: 28

Candidate Starts for Rufus_9:

(Start: 28 @4224 has 159 MA's), (Start: 38 @4272 has 3 MA's), (50, 4326), (66, 4476), (85, 4578), (86, 4581), (87, 4620), (131, 4875), (152, 5034), (183, 5148), (210, 5292), (226, 5325), (260, 5421), (281, 5475), (292, 5517), (305, 5568),

Gene: Ruin_8 Start: 3920, Stop: 5422, Start Num: 25

Candidate Starts for Ruin_8:

(Start: 25 @3920 has 169 MA's), (55, 4055), (66, 4172), (84, 4274), (85, 4292), (87, 4331), (88, 4343), (104, 4481), (126, 4550), (131, 4589), (155, 4772), (156, 4775), (189, 4907), (191, 4913), (210, 5033), (234, 5087), (248, 5138), (266, 5201), (277, 5234),

Gene: Ruotula_8 Start: 4785, Stop: 6218, Start Num: 28

Candidate Starts for Ruotula_8:

(Start: 28 @4785 has 159 MA's), (Start: 38 @4833 has 3 MA's), (66, 5037), (85, 5139), (86, 5142), (87, 5181), (131, 5436), (152, 5595), (158, 5622), (210, 5853), (226, 5886), (281, 6036), (292, 6078), (305, 6129),

Gene: Rutherferd_10 Start: 4685, Stop: 6118, Start Num: 28

Candidate Starts for Rutherferd_10:

(Start: 28 @4685 has 159 MA's), (Start: 38 @4733 has 3 MA's), (66, 4937), (85, 5039), (86, 5042), (87, 5081), (131, 5336), (152, 5495), (158, 5522), (210, 5753), (226, 5786), (281, 5936), (292, 5978), (305, 6029),

Gene: STLscum_10 Start: 4777, Stop: 6189, Start Num: 28

Candidate Starts for STLscum_10:

(Start: 28 @4777 has 159 MA's), (Start: 38 @4825 has 3 MA's), (66, 5029), (82, 5101), (86, 5134), (87, 5173), (131, 5407), (152, 5566), (158, 5593), (210, 5824), (226, 5857), (260, 5953), (281, 6007), (292, 6049), (301, 6085), (305, 6100),

Gene: Sabella_46 Start: 40801, Stop: 42300, Start Num: 36

Candidate Starts for Sabella_46:

(Start: 32 @40789 has 65 MA's), (Start: 36 @40801 has 35 MA's), (55, 40912), (64, 41008), (74, 41113), (82, 41143), (86, 41188), (87, 41227), (88, 41239), (96, 41365), (100, 41374), (102, 41380), (108, 41398), (111, 41410), (112, 41413), (117, 41425), (119, 41431), (130, 41497), (134, 41548), (142, 41629), (149, 41686), (153, 41716), (157, 41737), (170, 41785), (177, 41815), (184, 41845), (187, 41851), (197, 41917), (213, 41974), (236, 42031), (242, 42049), (243, 42052), (263, 42124), (265, 42133), (273, 42142), (297, 42226),

Gene: Sabertooth_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Sabertooth_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Sagefire_10 Start: 5438, Stop: 6871, Start Num: 28

Candidate Starts for Sagefire_10:

(Start: 28 @5438 has 159 MA's), (Start: 38 @5486 has 3 MA's), (66, 5690), (85, 5792), (86, 5795), (87, 5834), (131, 6089), (152, 6248), (158, 6275), (210, 6506), (226, 6539), (281, 6689), (292, 6731), (305, 6782),

Gene: Samty_26 Start: 24965, Stop: 26437, Start Num: 28

Candidate Starts for Samty_26:

(Start: 28 @24965 has 159 MA's), (Start: 38 @25013 has 3 MA's), (50, 25067), (54, 25097), (55, 25100), (60, 25142), (66, 25217), (87, 25361), (88, 25373), (131, 25601), (140, 25670), (156, 25787), (189, 25919), (191, 25925), (210, 26045), (226, 26078), (230, 26090), (248, 26150), (276, 26228), (312, 26393),

Gene: Sandaddy_8 Start: 4561, Stop: 5994, Start Num: 28

Candidate Starts for Sandaddy_8:

(Start: 28 @4561 has 159 MA's), (Start: 38 @4609 has 3 MA's), (66, 4813), (85, 4915), (86, 4918), (87, 4957), (96, 5089), (131, 5212), (158, 5398), (210, 5629), (226, 5662), (260, 5758), (281, 5812), (292, 5854), (305, 5905),

Gene: Sanya_8 Start: 5223, Stop: 6656, Start Num: 28

Candidate Starts for Sanya_8:

(Start: 28 @5223 has 159 MA's), (Start: 38 @5271 has 3 MA's), (50, 5325), (66, 5475), (85, 5577), (86, 5580), (87, 5619), (131, 5874), (152, 6033), (158, 6060), (210, 6291), (226, 6324), (260, 6420), (281, 6474), (292, 6516), (301, 6552), (305, 6567),

Gene: SarFire_9 Start: 4422, Stop: 5855, Start Num: 28

Candidate Starts for SarFire_9:

(Start: 28 @4422 has 159 MA's), (Start: 38 @4470 has 3 MA's), (66, 4674), (85, 4776), (86, 4779), (87, 4818), (131, 5073), (152, 5232), (158, 5259), (210, 5490), (226, 5523), (260, 5619), (281, 5673), (292, 5715), (305, 5766),

Gene: Scamp_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Scamp_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Scowl_10 Start: 5114, Stop: 6547, Start Num: 28

Candidate Starts for Scowl_10:

(Start: 28 @5114 has 159 MA's), (Start: 38 @5162 has 3 MA's), (66, 5366), (85, 5468), (86, 5471), (87, 5510), (131, 5765), (152, 5924), (158, 5951), (210, 6182), (226, 6215), (281, 6365), (292, 6407), (305, 6458),

Gene: Seabiscuit_10 Start: 4305, Stop: 5738, Start Num: 28

Candidate Starts for Seabiscuit_10:

(Start: 28 @4305 has 159 MA's), (Start: 38 @4353 has 3 MA's), (50, 4407), (66, 4557), (85, 4659), (86, 4662), (87, 4701), (131, 4956), (152, 5115), (158, 5142), (183, 5229), (210, 5373), (226, 5406), (260, 5502), (281, 5556), (292, 5598), (305, 5649),

Gene: Seanderson_10 Start: 5093, Stop: 6526, Start Num: 28

Candidate Starts for Seanderson_10:

(Start: 28 @5093 has 159 MA's), (Start: 38 @5141 has 3 MA's), (66, 5345), (85, 5447), (86, 5450), (87, 5489), (131, 5744), (152, 5903), (158, 5930), (210, 6161), (226, 6194), (281, 6344), (292, 6386), (305, 6437),

Gene: Send513_35 Start: 32594, Stop: 34063, Start Num: 36

Candidate Starts for Send513_35:

(Start: 36 @32594 has 35 MA's), (53, 32699), (64, 32801), (84, 32948), (85, 32966), (87, 33008), (88, 33020), (92, 33068), (109, 33164), (112, 33176), (116, 33185), (122, 33218), (131, 33272), (136, 33317), (153, 33476), (157, 33497), (158, 33500), (170, 33545), (176, 33575), (195, 33644), (196,

33659), (198, 33683), (210, 33728), (220, 33752), (248, 33839), (257, 33869), (278, 33932), (291, 33974),

Gene: Severus_8 Start: 2284, Stop: 3780, Start Num: 32

Candidate Starts for Severus_8:

(Start: 32 @2284 has 65 MA's), (Start: 37 @2302 has 1 MA's), (61, 2452), (68, 2563), (74, 2596), (81, 2617), (87, 2710), (88, 2722), (90, 2755), (124, 2962), (145, 3154), (148, 3169), (151, 3196), (172, 3280), (173, 3286), (197, 3406), (205, 3430), (208, 3442), (216, 3469), (247, 3559), (251, 3574), (274, 3631), (296, 3712),

Gene: Shaka_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Shaka_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: SheldonCooper_8 Start: 3929, Stop: 5410, Start Num: 25

Candidate Starts for SheldonCooper_8:

(Start: 25 @3929 has 169 MA's), (Start: 44 @4007 has 2 MA's), (66, 4187), (87, 4346), (88, 4358), (131, 4607), (139, 4676), (155, 4790), (156, 4793), (174, 4862), (189, 4925), (210, 5048), (220, 5072), (266, 5210), (290, 5282), (299, 5303), (304, 5321),

Gene: ShortQueendom_7 Start: 4019, Stop: 5446, Start Num: 28

Candidate Starts for ShortQueendom_7:

(Start: 28 @4019 has 159 MA's), (Start: 38 @4067 has 3 MA's), (66, 4271), (82, 4343), (87, 4415), (131, 4670), (152, 4829), (158, 4856), (210, 5087), (226, 5120), (260, 5216), (281, 5270), (292, 5312), (305, 5363),

Gene: Shygu2_8 Start: 3930, Stop: 5426, Start Num: 25

Candidate Starts for Shygu2_8:

(Start: 25 @3930 has 169 MA's), (Start: 44 @4008 has 2 MA's), (55, 4065), (56, 4068), (66, 4182), (85, 4302), (87, 4341), (88, 4353), (131, 4602), (139, 4671), (155, 4785), (156, 4788), (189, 4920), (191, 4926), (210, 5043), (248, 5148), (262, 5196), (287, 5274), (308, 5361),

Gene: Sibs6_10 Start: 4360, Stop: 5793, Start Num: 28

Candidate Starts for Sibs6_10:

(Start: 28 @4360 has 159 MA's), (Start: 38 @4408 has 3 MA's), (50, 4462), (66, 4612), (85, 4714), (86, 4717), (87, 4756), (131, 5011), (152, 5170), (158, 5197), (210, 5428), (226, 5461), (260, 5557), (281, 5611), (292, 5653), (305, 5704),

Gene: SkiPole_11 Start: 4757, Stop: 6169, Start Num: 28

Candidate Starts for SkiPole_11:

(Start: 28 @4757 has 159 MA's), (Start: 38 @4805 has 3 MA's), (66, 5009), (82, 5081), (86, 5114), (87, 5153), (131, 5387), (152, 5546), (158, 5573), (210, 5804), (226, 5837), (281, 5987), (292, 6029), (305, 6080),

Gene: Skipitt_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Skipitt_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Slagathor_9 Start: 4178, Stop: 5611, Start Num: 28

Candidate Starts for Slagathor_9:

(Start: 28 @4178 has 159 MA's), (Start: 38 @4226 has 3 MA's), (66, 4430), (85, 4532), (86, 4535), (87, 4574), (131, 4829), (152, 4988), (158, 5015), (210, 5246), (226, 5279), (281, 5429), (292, 5471), (305, 5522),

Gene: Smairt_10 Start: 5033, Stop: 6466, Start Num: 28

Candidate Starts for Smairt_10:

(Start: 28 @5033 has 159 MA's), (Start: 38 @5081 has 3 MA's), (66, 5285), (82, 5357), (87, 5429), (131, 5684), (152, 5843), (158, 5870), (210, 6101), (226, 6134), (260, 6230), (281, 6284), (292, 6326), (305, 6377),

Gene: Smeagan_11 Start: 5112, Stop: 6434, Start Num: 25

Candidate Starts for Smeagan_11:

(Start: 25 @5112 has 169 MA's), (47, 5196), (50, 5214), (60, 5289), (77, 5430), (87, 5523), (88, 5535), (90, 5583), (120, 5679), (135, 5751), (144, 5799), (201, 6018), (210, 6051), (234, 6105), (248, 6156), (261, 6201), (266, 6219), (287, 6282), (308, 6369),

Gene: Smeagol_10 Start: 5472, Stop: 6884, Start Num: 28

Candidate Starts for Smeagol_10:

(Start: 28 @5472 has 159 MA's), (Start: 38 @5520 has 3 MA's), (66, 5724), (82, 5796), (86, 5829), (87, 5868), (131, 6102), (152, 6261), (158, 6288), (210, 6519), (226, 6552), (281, 6702), (292, 6744), (305, 6795),

Gene: SmellyB_13 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for SmellyB_13:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (60, 6019), (61, 6022), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (162, 6772), (166, 6784), (169, 6790), (189, 6853), (240, 7036),

Gene: Snazzy_7 Start: 4064, Stop: 5476, Start Num: 28

Candidate Starts for Snazzy_7:

(Start: 28 @4064 has 159 MA's), (Start: 38 @4112 has 3 MA's), (66, 4316), (82, 4388), (86, 4421), (87, 4460), (131, 4694), (152, 4853), (158, 4880), (210, 5111), (226, 5144), (260, 5240), (281, 5294), (292, 5336), (305, 5387),

Gene: Snenia_26 Start: 24963, Stop: 26435, Start Num: 28

Candidate Starts for Snenia_26:

(Start: 28 @24963 has 159 MA's), (Start: 38 @25011 has 3 MA's), (50, 25065), (54, 25095), (55, 25098), (60, 25140), (66, 25215), (87, 25359), (88, 25371), (131, 25599), (140, 25668), (156, 25785), (189, 25917), (191, 25923), (210, 26043), (226, 26076), (230, 26088), (248, 26148), (276, 26226), (312, 26391),

Gene: Solon_9 Start: 5234, Stop: 6628, Start Num: 33

Candidate Starts for Solon_9:

(20, 5192), (Start: 33 @5234 has 9 MA's), (49, 5312), (66, 5468), (86, 5573), (87, 5612), (131, 5846), (152, 6005), (210, 6263), (226, 6296), (260, 6392), (281, 6446), (292, 6488), (305, 6539),

Gene: Sorpresa_8 Start: 4561, Stop: 5994, Start Num: 28

Candidate Starts for Sorpresa_8:

(Start: 28 @4561 has 159 MA's), (Start: 38 @4609 has 3 MA's), (66, 4813), (85, 4915), (86, 4918), (87, 4957), (96, 5089), (131, 5212), (158, 5398), (210, 5629), (226, 5662), (260, 5758), (281, 5812), (292, 5854), (305, 5905),

Gene: Sparxx_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Sparxx_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: SpikeBT_10 Start: 4981, Stop: 6429, Start Num: 19

Candidate Starts for SpikeBT_10:

(15, 4972), (Start: 19 @4981 has 3 MA's), (Start: 24 @5008 has 52 MA's), (66, 5287), (75, 5329), (87, 5422), (96, 5524), (131, 5647), (152, 5806), (158, 5833), (210, 6064), (226, 6097), (281, 6247), (292, 6289), (305, 6340),

Gene: Spino_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Spino_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Squee_9 Start: 4741, Stop: 6135, Start Num: 33

Candidate Starts for Squee_9:

(20, 4699), (Start: 33 @4741 has 9 MA's), (49, 4819), (66, 4975), (86, 5080), (87, 5119), (131, 5353), (152, 5512), (158, 5539), (183, 5626), (210, 5770), (226, 5803), (281, 5953), (292, 5995), (301, 6031), (305, 6046),

Gene: Squint_46 Start: 37628, Stop: 39016, Start Num: 24

Candidate Starts for Squint_46:

(Start: 24 @37628 has 52 MA's), (Start: 38 @37679 has 3 MA's), (49, 37727), (64, 37850), (66, 37883), (72, 37916), (86, 37988), (87, 38027), (121, 38225), (123, 38237), (130, 38273), (131, 38288), (153, 38450), (158, 38474), (178, 38561), (210, 38741), (219, 38762), (275, 38894), (276, 38897), (281, 38912), (282, 38915), (300, 38981),

Gene: Stasia_9 Start: 4345, Stop: 5856, Start Num: 25

Candidate Starts for Stasia_9:

(13, 4282), (Start: 25 @4345 has 169 MA's), (55, 4480), (66, 4597), (85, 4717), (87, 4756), (88, 4768), (111, 4930), (131, 5017), (139, 5086), (155, 5200), (156, 5203), (189, 5335), (190, 5338), (191, 5341), (210, 5461), (230, 5506), (234, 5515), (248, 5566), (283, 5674), (287, 5692), (308, 5782), (310, 5794),

Gene: Steamy_11 Start: 6228, Stop: 7583, Start Num: 32

Candidate Starts for Steamy_11:

(Start: 30 @6219 has 1 MA's), (Start: 32 @6228 has 65 MA's), (50, 6327), (52, 6336), (66, 6477), (67, 6483), (79, 6537), (87, 6618), (88, 6630), (104, 6750), (105, 6756), (131, 6864), (133, 6894), (152, 7023), (156, 7041), (224, 7302), (245, 7359), (260, 7398),

Gene: StewieG_8 Start: 4432, Stop: 5844, Start Num: 28

Candidate Starts for StewieG_8:

(Start: 28 @4432 has 159 MA's), (Start: 38 @4480 has 3 MA's), (66, 4684), (82, 4756), (86, 4789), (87, 4828), (131, 5062), (152, 5221), (210, 5479), (226, 5512), (281, 5662), (292, 5704), (305, 5755),

Gene: Stink_8 Start: 3925, Stop: 5397, Start Num: 25

Candidate Starts for Stink_8:

(Start: 25 @3925 has 169 MA's), (66, 4177), (87, 4336), (88, 4348), (131, 4594), (139, 4663), (153, 4765), (155, 4777), (156, 4780), (189, 4912), (198, 4993), (202, 5005), (210, 5035), (220, 5059), (237, 5098), (266, 5197), (283, 5242), (288, 5263),

Gene: StrongArm_8 Start: 4263, Stop: 5696, Start Num: 28

Candidate Starts for StrongArm_8:

(Start: 28 @4263 has 159 MA's), (Start: 38 @4311 has 3 MA's), (66, 4515), (82, 4587), (87, 4659), (131, 4914), (152, 5073), (210, 5331), (226, 5364), (260, 5460), (281, 5514), (292, 5556), (301, 5592), (305, 5607),

Gene: Sumter_8 Start: 4166, Stop: 5587, Start Num: 24

Candidate Starts for Sumter_8:

(Start: 24 @4166 has 52 MA's), (66, 4445), (75, 4487), (87, 4580), (96, 4682), (131, 4805), (152, 4964), (158, 4991), (183, 5078), (210, 5222), (226, 5255), (260, 5351), (281, 5405), (292, 5447), (301, 5483), (305, 5498),

Gene: Sunshine924_8 Start: 4137, Stop: 5570, Start Num: 28

Candidate Starts for Sunshine924_8:

(Start: 28 @4137 has 159 MA's), (Start: 38 @4185 has 3 MA's), (66, 4389), (85, 4491), (86, 4494), (87, 4533), (96, 4665), (131, 4788), (152, 4947), (158, 4974), (210, 5205), (226, 5238), (281, 5388), (292, 5430), (305, 5481),

Gene: SuperAwesome_13 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for SuperAwesome_13:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (61, 6022), (62, 6037), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (166, 6784), (169, 6790), (189, 6853),

Gene: SuperCallie99_13 Start: 5855, Stop: 7066, Start Num: 32

Candidate Starts for SuperCallie99_13:

(Start: 32 @5855 has 65 MA's), (Start: 37 @5873 has 1 MA's), (61, 6023), (62, 6038), (68, 6134), (82, 6197), (87, 6281), (88, 6293), (90, 6326), (129, 6527), (153, 6746), (166, 6785), (169, 6791), (189, 6854),

Gene: Superphikiman_47 Start: 37700, Stop: 39088, Start Num: 24

Candidate Starts for Superphikiman_47:

(Start: 24 @37700 has 52 MA's), (Start: 38 @37751 has 3 MA's), (49, 37799), (64, 37922), (66, 37955), (72, 37988), (86, 38060), (87, 38099), (121, 38297), (123, 38309), (130, 38345), (131, 38360), (153, 38522), (158, 38546), (178, 38633), (210, 38813), (219, 38834), (275, 38966), (276, 38969), (281, 38984), (282, 38987), (300, 39053),

Gene: SwissCheese_9 Start: 4599, Stop: 6032, Start Num: 28

Candidate Starts for SwissCheese_9:

(Start: 28 @4599 has 159 MA's), (Start: 38 @4647 has 3 MA's), (66, 4851), (85, 4953), (86, 4956), (87, 4995), (96, 5127), (131, 5250), (152, 5409), (158, 5436), (210, 5667), (226, 5700), (281, 5850), (292, 5892), (305, 5943),

Gene: Switzer_9 Start: 4184, Stop: 5617, Start Num: 28

Candidate Starts for Switzer_9:

(Start: 28 @4184 has 159 MA's), (Start: 38 @4232 has 3 MA's), (50, 4286), (66, 4436), (85, 4538), (86, 4541), (87, 4580), (131, 4835), (152, 4994), (158, 5021), (183, 5108), (210, 5252), (226, 5285), (260, 5381), (281, 5435), (292, 5477), (301, 5513), (305, 5528),

Gene: Swole_11 Start: 5068, Stop: 6501, Start Num: 28

Candidate Starts for Swole_11:

(Start: 28 @5068 has 159 MA's), (Start: 38 @5116 has 3 MA's), (66, 5320), (85, 5422), (86, 5425), (87, 5464), (131, 5719), (152, 5878), (158, 5905), (210, 6136), (226, 6169), (260, 6265), (281, 6319), (292, 6361), (305, 6412),

Gene: TA17A_47 Start: 40791, Stop: 42290, Start Num: 36

Candidate Starts for TA17A_47:

(Start: 32 @40779 has 65 MA's), (Start: 36 @40791 has 35 MA's), (55, 40902), (64, 40998), (74, 41103), (82, 41133), (84, 41145), (86, 41178), (87, 41217), (88, 41229), (96, 41355), (100, 41364), (102, 41370), (108, 41388), (111, 41400), (112, 41403), (117, 41415), (119, 41421), (130, 41487), (142, 41619), (149, 41676), (153, 41706), (157, 41727), (170, 41775), (177, 41805), (184, 41835), (187, 41841), (197, 41907), (213, 41964), (236, 42021), (242, 42039), (243, 42042), (263, 42114), (265, 42123), (273, 42132), (297, 42216),

Gene: Taquarus_8 Start: 3924, Stop: 5426, Start Num: 25

Candidate Starts for Taquarus_8:

(Start: 25 @3924 has 169 MA's), (55, 4059), (66, 4176), (85, 4296), (87, 4335), (88, 4347), (126, 4554), (131, 4593), (155, 4776), (156, 4779), (189, 4911), (191, 4917), (210, 5037), (234, 5091), (248, 5142), (266, 5205), (277, 5238),

Gene: Target_10 Start: 4856, Stop: 6289, Start Num: 28

Candidate Starts for Target_10:

(Start: 28 @4856 has 159 MA's), (Start: 38 @4904 has 3 MA's), (66, 5108), (85, 5210), (86, 5213), (87, 5252), (131, 5507), (152, 5666), (158, 5693), (210, 5924), (226, 5957), (281, 6107), (292, 6149), (301, 6185), (305, 6200),

Gene: TarsusIV_9 Start: 4687, Stop: 5979, Start Num: 25

Candidate Starts for TarsusIV_9:

(Start: 25 @4687 has 169 MA's), (50, 4789), (71, 4972), (84, 5038), (87, 5080), (88, 5092), (90, 5140), (120, 5245), (135, 5317), (201, 5584), (210, 5617), (221, 5641), (233, 5665), (266, 5779), (272, 5788), (276, 5797), (288, 5845), (308, 5908), (311, 5941),

Gene: Tasp14_10 Start: 4839, Stop: 6272, Start Num: 28

Candidate Starts for Tasp14_10:

(Start: 28 @4839 has 159 MA's), (Start: 38 @4887 has 3 MA's), (66, 5091), (85, 5193), (86, 5196), (87, 5235), (131, 5490), (152, 5649), (158, 5676), (210, 5907), (226, 5940), (281, 6090), (292, 6132), (305, 6183),

Gene: Teodoridan_7 Start: 3991, Stop: 5403, Start Num: 28

Candidate Starts for Teodoridan_7:

(Start: 28 @3991 has 159 MA's), (Start: 38 @4039 has 3 MA's), (66, 4243), (82, 4315), (86, 4348), (87, 4387), (131, 4621), (152, 4780), (158, 4807), (210, 5038), (226, 5071), (281, 5221), (292, 5263), (305, 5314),

Gene: Thanksgivukkah_8 Start: 3926, Stop: 5428, Start Num: 25

Candidate Starts for Thanksgivukkah_8:

(Start: 25 @3926 has 169 MA's), (55, 4061), (66, 4178), (84, 4280), (85, 4298), (87, 4337), (88, 4349), (104, 4487), (126, 4556), (131, 4595), (155, 4778), (156, 4781), (189, 4913), (191, 4919), (210, 5039), (234, 5093), (248, 5144), (266, 5207), (277, 5240),

Gene: TheloniousMonk_10 Start: 5059, Stop: 6516, Start Num: 24

Candidate Starts for TheloniousMonk_10:

(15, 5023), (Start: 19 @5032 has 3 MA's), (Start: 24 @5059 has 52 MA's), (66, 5338), (75, 5380), (87, 5473), (96, 5575), (131, 5698), (152, 5857), (158, 5884), (176, 5959), (210, 6151), (226, 6184), (260,

6280), (281, 6334), (292, 6376), (305, 6427),

Gene: Thibault_41 Start: 38285, Stop: 39661, Start Num: 24

Candidate Starts for Thibault_41:

(Start: 24 @38285 has 52 MA's), (Start: 38 @38336 has 3 MA's), (Start: 44 @38363 has 2 MA's), (49, 38384), (66, 38540), (87, 38684), (96, 38819), (122, 38888), (131, 38942), (157, 39152), (163, 39179), (210, 39386), (219, 39407), (266, 39524), (273, 39536), (276, 39542), (281, 39557), (282, 39560), (290, 39587),

Gene: Thor_9 Start: 4422, Stop: 5855, Start Num: 28

Candidate Starts for Thor_9:

(Start: 28 @4422 has 159 MA's), (Start: 38 @4470 has 3 MA's), (66, 4674), (85, 4776), (86, 4779), (87, 4818), (131, 5073), (152, 5232), (158, 5259), (210, 5490), (226, 5523), (260, 5619), (281, 5673), (292, 5715), (305, 5766),

Gene: Timshel_9 Start: 5547, Stop: 6899, Start Num: 25

Candidate Starts for Timshel_9:

(22, 5532), (Start: 25 @5547 has 169 MA's), (54, 5685), (66, 5805), (87, 5967), (88, 5979), (90, 6027), (137, 6204), (138, 6225), (154, 6339), (155, 6345), (210, 6558), (266, 6699), (311, 6861), (316, 6882),

Gene: TinaFeyge_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for TinaFeyge_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Tinciduntolum_48 Start: 40935, Stop: 42434, Start Num: 36

Candidate Starts for Tinciduntolum_48:

(Start: 32 @40923 has 65 MA's), (Start: 36 @40935 has 35 MA's), (55, 41046), (64, 41142), (74, 41247), (82, 41277), (86, 41322), (87, 41361), (88, 41373), (96, 41499), (100, 41508), (102, 41514), (108, 41532), (111, 41544), (112, 41547), (117, 41559), (119, 41565), (130, 41631), (142, 41763), (149, 41820), (153, 41850), (157, 41871), (170, 41919), (177, 41949), (184, 41979), (187, 41985), (197, 42051), (213, 42108), (236, 42165), (242, 42183), (243, 42186), (263, 42258), (265, 42267), (273, 42276), (297, 42360),

Gene: Tinybot_7 Start: 4009, Stop: 5412, Start Num: 44

Candidate Starts for Tinybot_7:

(Start: 25 @3931 has 169 MA's), (Start: 44 @4009 has 2 MA's), (66, 4189), (87, 4348), (88, 4360), (131, 4609), (139, 4678), (155, 4792), (156, 4795), (174, 4864), (189, 4927), (210, 5050), (220, 5074), (266, 5212), (290, 5284), (299, 5305), (304, 5323),

Gene: TiroTheta9_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for TiroTheta9_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: ToneTone_12 Start: 5764, Stop: 6978, Start Num: 32

Candidate Starts for ToneTone_12:

(Start: 32 @5764 has 65 MA's), (Start: 37 @5782 has 1 MA's), (61, 5932), (68, 6043), (82, 6106), (87, 6190), (88, 6202), (90, 6235), (94, 6307), (101, 6325), (120, 6391), (129, 6439), (153, 6658), (162, 6685), (166, 6697), (169, 6703), (189, 6766), (240, 6949),

Gene: Topgun_9 Start: 4348, Stop: 5760, Start Num: 28

Candidate Starts for Topgun_9:

(Start: 28 @4348 has 159 MA's), (Start: 38 @4396 has 3 MA's), (66, 4600), (82, 4672), (86, 4705), (87, 4744), (131, 4978), (150, 5122), (152, 5137), (158, 5164), (210, 5395), (226, 5428), (281, 5578), (292, 5620), (305, 5671),

Gene: Tote_11 Start: 5068, Stop: 6501, Start Num: 28

Candidate Starts for Tote_11:

(Start: 28 @5068 has 159 MA's), (Start: 38 @5116 has 3 MA's), (66, 5320), (85, 5422), (86, 5425), (87, 5464), (131, 5719), (152, 5878), (158, 5905), (210, 6136), (226, 6169), (260, 6265), (281, 6319), (292, 6361), (305, 6412),

Gene: Traft412_11 Start: 5255, Stop: 6688, Start Num: 28

Candidate Starts for Traft412_11:

(Start: 28 @5255 has 159 MA's), (Start: 38 @5303 has 3 MA's), (66, 5507), (85, 5609), (86, 5612), (87, 5651), (131, 5906), (152, 6065), (158, 6092), (210, 6323), (226, 6356), (281, 6506), (292, 6548), (305, 6599),

Gene: Treddle_10 Start: 5074, Stop: 6495, Start Num: 24

Candidate Starts for Treddle_10:

(15, 5038), (Start: 19 @5047 has 3 MA's), (Start: 24 @5074 has 52 MA's), (66, 5353), (75, 5395), (87, 5488), (96, 5590), (131, 5713), (152, 5872), (158, 5899), (210, 6130), (226, 6163), (260, 6259), (281, 6313), (292, 6355), (305, 6406),

Gene: Tres_47 Start: 40804, Stop: 42303, Start Num: 36

Candidate Starts for Tres_47:

(Start: 32 @40792 has 65 MA's), (Start: 36 @40804 has 35 MA's), (55, 40915), (64, 41011), (74, 41116), (82, 41146), (86, 41191), (87, 41230), (88, 41242), (96, 41368), (100, 41377), (102, 41383), (108, 41401), (111, 41413), (112, 41416), (117, 41428), (119, 41434), (130, 41500), (142, 41632), (149, 41689), (153, 41719), (157, 41740), (170, 41788), (177, 41818), (184, 41848), (187, 41854), (197, 41920), (213, 41977), (236, 42034), (242, 42052), (243, 42055), (263, 42127), (265, 42136), (273, 42145), (297, 42229),

Gene: Trike_7 Start: 2276, Stop: 3772, Start Num: 32

Candidate Starts for Trike_7:

(Start: 32 @2276 has 65 MA's), (Start: 37 @2294 has 1 MA's), (61, 2444), (68, 2555), (74, 2588), (81, 2609), (87, 2702), (88, 2714), (90, 2747), (124, 2954), (145, 3146), (148, 3161), (151, 3188), (172, 3272), (173, 3278), (197, 3398), (205, 3422), (208, 3434), (216, 3461), (247, 3551), (251, 3566), (274, 3623), (296, 3704),

Gene: Tripl3t_10 Start: 5250, Stop: 6683, Start Num: 28

Candidate Starts for Tripl3t_10:

(Start: 28 @5250 has 159 MA's), (Start: 38 @5298 has 3 MA's), (66, 5502), (85, 5604), (86, 5607), (87, 5646), (131, 5901), (152, 6060), (158, 6087), (210, 6318), (226, 6351), (281, 6501), (292, 6543), (305, 6594),

Gene: Trooper_9 Start: 4486, Stop: 5796, Start Num: 25

Candidate Starts for Trooper_9:

(Start: 25 @4486 has 169 MA's), (50, 4588), (71, 4771), (84, 4837), (87, 4879), (88, 4891), (90, 4939), (120, 5032), (135, 5104), (201, 5371), (210, 5404), (230, 5449), (248, 5509), (287, 5635), (310, 5737),

Gene: Trouble_9 Start: 4899, Stop: 6332, Start Num: 28

Candidate Starts for Trouble_9:

(Start: 28 @4899 has 159 MA's), (Start: 38 @4947 has 3 MA's), (66, 5151), (85, 5253), (86, 5256), (87, 5295), (96, 5427), (131, 5550), (152, 5709), (158, 5736), (210, 5967), (226, 6000), (281, 6150), (292, 6192), (305, 6243),

Gene: TroyPia_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for TroyPia_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (104, 4482), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Tucker_13 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for Tucker_13:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (61, 6022), (62, 6037), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (166, 6784), (169, 6790), (189, 6853),

Gene: Turbido_11 Start: 5124, Stop: 6437, Start Num: 25

Candidate Starts for Turbido_11:

(Start: 25 @5124 has 169 MA's), (47, 5208), (50, 5226), (60, 5301), (77, 5442), (87, 5535), (88, 5547), (90, 5595), (120, 5691), (135, 5763), (144, 5811), (200, 6027), (201, 6030), (210, 6063), (254, 6195), (308, 6363), (313, 6399),

Gene: Turj99_8 Start: 4343, Stop: 5776, Start Num: 28

Candidate Starts for Turj99_8:

(Start: 28 @4343 has 159 MA's), (Start: 38 @4391 has 3 MA's), (66, 4595), (85, 4697), (86, 4700), (87, 4739), (131, 4994), (152, 5153), (158, 5180), (210, 5411), (226, 5444), (281, 5594), (292, 5636), (305, 5687),

Gene: TwoPeat_10 Start: 4861, Stop: 6294, Start Num: 28

Candidate Starts for TwoPeat_10:

(Start: 28 @4861 has 159 MA's), (Start: 38 @4909 has 3 MA's), (66, 5113), (85, 5215), (86, 5218), (87, 5257), (131, 5512), (152, 5671), (158, 5698), (210, 5929), (226, 5962), (281, 6112), (292, 6154), (305, 6205),

Gene: TygerBlood_8 Start: 3923, Stop: 5425, Start Num: 25

Candidate Starts for TygerBlood_8:

(Start: 25 @3923 has 169 MA's), (55, 4058), (66, 4175), (85, 4295), (87, 4334), (88, 4346), (126, 4553), (131, 4592), (155, 4775), (156, 4778), (189, 4910), (191, 4916), (210, 5036), (234, 5090), (248, 5141), (266, 5204), (277, 5237),

Gene: U2_8 Start: 4186, Stop: 5619, Start Num: 28

Candidate Starts for U2_8:

(Start: 28 @4186 has 159 MA's), (Start: 38 @4234 has 3 MA's), (50, 4288), (66, 4438), (85, 4540), (86, 4543), (87, 4582), (131, 4837), (152, 4996), (158, 5023), (183, 5110), (210, 5254), (226, 5287), (260, 5383), (281, 5437), (292, 5479), (301, 5515), (305, 5530),

Gene: Ulysses_7 Start: 3670, Stop: 5151, Start Num: 25

Candidate Starts for Ulysses_7:

(13, 3607), (Start: 25 @3670 has 169 MA's), (Start: 44 @3748 has 2 MA's), (66, 3928), (87, 4087), (88, 4099), (131, 4348), (139, 4417), (155, 4531), (156, 4534), (189, 4666), (210, 4789), (220, 4813), (266, 4951), (290, 5023), (299, 5044), (304, 5062),

Gene: Violet_8 Start: 4156, Stop: 5568, Start Num: 28

Candidate Starts for Violet_8:

(Start: 28 @4156 has 159 MA's), (Start: 38 @4204 has 3 MA's), (66, 4408), (82, 4480), (86, 4513), (87, 4552), (131, 4786), (152, 4945), (158, 4972), (210, 5203), (226, 5236), (281, 5386), (292, 5428), (305, 5479),

Gene: VohminGhazi_13 Start: 5854, Stop: 7065, Start Num: 32

Candidate Starts for VohminGhazi_13:

(Start: 32 @5854 has 65 MA's), (Start: 37 @5872 has 1 MA's), (60, 6019), (61, 6022), (68, 6133), (82, 6196), (87, 6280), (88, 6292), (90, 6325), (129, 6526), (153, 6745), (162, 6772), (166, 6784), (169, 6790), (189, 6853), (240, 7036),

Gene: Wander_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for Wander_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Watermelon_11 Start: 5450, Stop: 6883, Start Num: 28

Candidate Starts for Watermelon_11:

(Start: 28 @5450 has 159 MA's), (Start: 38 @5498 has 3 MA's), (66, 5702), (85, 5804), (86, 5807), (87, 5846), (131, 6101), (152, 6260), (158, 6287), (210, 6518), (226, 6551), (281, 6701), (292, 6743), (305, 6794),

Gene: Weiss13_35 Start: 32290, Stop: 33759, Start Num: 36

Candidate Starts for Weiss13_35:

(Start: 36 @32290 has 35 MA's), (43, 32332), (53, 32395), (64, 32497), (84, 32644), (85, 32662), (87, 32704), (88, 32716), (92, 32764), (109, 32860), (112, 32872), (116, 32881), (122, 32914), (131, 32968), (136, 33013), (153, 33172), (157, 33193), (158, 33196), (170, 33241), (176, 33271), (195, 33340), (196, 33355), (198, 33379), (210, 33424), (220, 33448), (248, 33535), (257, 33565), (268, 33598), (278, 33628), (291, 33670),

Gene: West99_47 Start: 40924, Stop: 42423, Start Num: 36

Candidate Starts for West99_47:

(Start: 32 @40912 has 65 MA's), (Start: 36 @40924 has 35 MA's), (55, 41035), (64, 41131), (74, 41236), (82, 41266), (86, 41311), (87, 41350), (88, 41362), (96, 41488), (100, 41497), (102, 41503), (108, 41521), (111, 41533), (112, 41536), (117, 41548), (119, 41554), (130, 41620), (142, 41752), (149, 41809), (153, 41839), (157, 41860), (170, 41908), (177, 41938), (184, 41968), (187, 41974), (197, 42040), (213, 42097), (236, 42154), (242, 42172), (243, 42175), (263, 42247), (265, 42256), (273, 42265), (297, 42349),

Gene: Whabigail7_11 Start: 5127, Stop: 6449, Start Num: 25

Candidate Starts for Whabigail7_11:

(Start: 25 @5127 has 169 MA's), (47, 5211), (50, 5229), (60, 5304), (77, 5445), (87, 5538), (88, 5550), (90, 5598), (120, 5694), (135, 5766), (144, 5814), (201, 6033), (210, 6066), (234, 6120), (248, 6171), (261, 6216), (266, 6234), (287, 6297),

Gene: Wheeler_9 Start: 4616, Stop: 6049, Start Num: 28

Candidate Starts for Wheeler_9:

(Start: 28 @4616 has 159 MA's), (Start: 38 @4664 has 3 MA's), (66, 4868), (85, 4970), (86, 4973), (87, 5012), (131, 5267), (152, 5426), (158, 5453), (210, 5684), (226, 5717), (260, 5813), (281, 5867), (292, 5909), (305, 5960),

Gene: Whirlwind_27 Start: 24700, Stop: 26172, Start Num: 28

Candidate Starts for Whirlwind_27:

(Start: 28 @24700 has 159 MA's), (Start: 38 @24748 has 3 MA's), (50, 24802), (55, 24835), (66, 24952), (84, 25036), (87, 25096), (88, 25108), (90, 25138), (131, 25336), (156, 25522), (189, 25654), (190, 25657), (191, 25660), (210, 25780), (226, 25813), (248, 25885), (276, 25963), (312, 26128),

Gene: Wiks_13 Start: 5832, Stop: 7046, Start Num: 32

Candidate Starts for Wiks_13:

(Start: 32 @5832 has 65 MA's), (Start: 37 @5850 has 1 MA's), (60, 5997), (61, 6000), (68, 6111), (74, 6144), (82, 6174), (87, 6258), (88, 6270), (90, 6303), (94, 6375), (101, 6393), (120, 6459), (129, 6507), (153, 6726), (162, 6753), (166, 6765), (169, 6771), (189, 6834), (240, 7017),

Gene: Wilbur_8 Start: 3920, Stop: 5422, Start Num: 25

Candidate Starts for Wilbur_8:

(Start: 25 @3920 has 169 MA's), (55, 4055), (66, 4172), (85, 4292), (87, 4331), (88, 4343), (104, 4481), (126, 4550), (131, 4589), (155, 4772), (156, 4775), (189, 4907), (191, 4913), (210, 5033), (234, 5087), (248, 5138), (266, 5201), (277, 5234),

Gene: Wile_8 Start: 3937, Stop: 5433, Start Num: 25

Candidate Starts for Wile_8:

(Start: 25 @3937 has 169 MA's), (55, 4072), (60, 4114), (66, 4189), (84, 4291), (85, 4309), (87, 4348), (88, 4360), (131, 4609), (155, 4792), (156, 4795), (189, 4927), (190, 4930), (191, 4933), (198, 5008), (210, 5050), (248, 5155), (262, 5203), (283, 5263), (287, 5281), (303, 5347), (308, 5368),

Gene: Wilkins_9 Start: 4348, Stop: 5760, Start Num: 28

Candidate Starts for Wilkins_9:

(Start: 28 @4348 has 159 MA's), (Start: 38 @4396 has 3 MA's), (66, 4600), (82, 4672), (86, 4705), (87, 4744), (131, 4978), (150, 5122), (152, 5137), (158, 5164), (210, 5395), (226, 5428), (281, 5578), (292, 5620), (305, 5671),

Gene: Wizard007_8 Start: 3923, Stop: 5425, Start Num: 25

Candidate Starts for Wizard007_8:

(Start: 25 @3923 has 169 MA's), (55, 4058), (66, 4175), (84, 4277), (85, 4295), (87, 4334), (88, 4346), (104, 4484), (126, 4553), (131, 4592), (155, 4775), (156, 4778), (189, 4910), (191, 4916), (210, 5036), (234, 5090), (248, 5141), (266, 5204), (277, 5237),

Gene: WunderPhul_13 Start: 5832, Stop: 7046, Start Num: 32

Candidate Starts for WunderPhul_13:

(Start: 32 @5832 has 65 MA's), (Start: 37 @5850 has 1 MA's), (61, 6000), (68, 6111), (74, 6144), (82, 6174), (87, 6258), (88, 6270), (90, 6303), (94, 6375), (101, 6393), (120, 6459), (129, 6507), (153, 6726), (162, 6753), (166, 6765), (169, 6771), (189, 6834), (240, 7017),

Gene: Xena_8 Start: 3936, Stop: 5432, Start Num: 25

Candidate Starts for Xena_8:

(Start: 25 @3936 has 169 MA's), (55, 4071), (60, 4113), (66, 4188), (84, 4290), (85, 4308), (87, 4347), (88, 4359), (131, 4608), (155, 4791), (156, 4794), (189, 4926), (190, 4929), (191, 4932), (198, 5007), (210, 5049), (248, 5154), (262, 5202), (283, 5262), (287, 5280), (303, 5346), (308, 5367),

Gene: XianYue_9 Start: 4609, Stop: 5916, Start Num: 25

Candidate Starts for XianYue_9:

(Start: 25 @4609 has 169 MA's), (50, 4714), (71, 4897), (84, 4963), (87, 5005), (88, 5017), (90, 5065), (106, 5137), (201, 5488), (210, 5521), (234, 5575), (248, 5626), (259, 5668), (262, 5674), (287, 5752), (308, 5842), (310, 5854),

Gene: Yelo_35 Start: 32583, Stop: 34052, Start Num: 36

Candidate Starts for Yelo_35:

(Start: 36 @32583 has 35 MA's), (43, 32625), (53, 32688), (64, 32790), (84, 32937), (85, 32955), (87, 32997), (88, 33009), (92, 33057), (109, 33153), (112, 33165), (116, 33174), (122, 33207), (131, 33261), (136, 33306), (153, 33465), (157, 33486), (158, 33489), (170, 33534), (176, 33564), (195, 33633), (196, 33648), (198, 33672), (210, 33717), (220, 33741), (248, 33828), (257, 33858), (268, 33891), (278, 33921), (291, 33963),

Gene: YoSam321_8 Start: 3921, Stop: 5423, Start Num: 25

Candidate Starts for YoSam321_8:

(Start: 25 @3921 has 169 MA's), (55, 4056), (66, 4173), (84, 4275), (85, 4293), (87, 4332), (88, 4344), (126, 4551), (131, 4590), (155, 4773), (156, 4776), (189, 4908), (191, 4914), (210, 5034), (234, 5088), (248, 5139), (266, 5202), (277, 5235),

Gene: Yokurt_13 Start: 5832, Stop: 7046, Start Num: 32

Candidate Starts for Yokurt_13:

(Start: 32 @5832 has 65 MA's), (Start: 37 @5850 has 1 MA's), (61, 6000), (68, 6111), (74, 6144), (82, 6174), (87, 6258), (88, 6270), (90, 6303), (94, 6375), (101, 6393), (120, 6459), (129, 6507), (153, 6726), (162, 6753), (166, 6765), (169, 6771), (189, 6834), (240, 7017),

Gene: Zaka_13 Start: 5832, Stop: 7046, Start Num: 32

Candidate Starts for Zaka_13:

(Start: 32 @5832 has 65 MA's), (Start: 37 @5850 has 1 MA's), (61, 6000), (68, 6111), (74, 6144), (82, 6174), (87, 6258), (88, 6270), (90, 6303), (94, 6375), (101, 6393), (120, 6459), (129, 6507), (153, 6726), (162, 6753), (166, 6765), (169, 6771), (189, 6834), (240, 7017),

Gene: Zeeculate_8 Start: 4311, Stop: 5744, Start Num: 28

Candidate Starts for Zeeculate_8:

(Start: 28 @4311 has 159 MA's), (Start: 38 @4359 has 3 MA's), (66, 4563), (85, 4665), (86, 4668), (87, 4707), (131, 4962), (152, 5121), (158, 5148), (210, 5379), (226, 5412), (260, 5508), (281, 5562), (292, 5604), (301, 5640), (305, 5655),

Gene: Zenon_36 Start: 32602, Stop: 34071, Start Num: 36

Candidate Starts for Zenon_36:

(Start: 36 @32602 has 35 MA's), (43, 32644), (53, 32707), (64, 32809), (84, 32956), (85, 32974), (87, 33016), (88, 33028), (92, 33076), (109, 33172), (112, 33184), (116, 33193), (122, 33226), (131, 33280), (136, 33325), (153, 33484), (157, 33505), (158, 33508), (170, 33553), (176, 33583), (195, 33652), (196, 33667), (198, 33691), (210, 33736), (220, 33760), (248, 33847), (257, 33877), (258, 33880), (268, 33910), (278, 33940), (291, 33982),

Gene: Zenteno07_51 Start: 39992, Stop: 41485, Start Num: 32

Candidate Starts for Zenteno07_51:

(2, 39143), (3, 39170), (6, 39530), (8, 39560), (9, 39617), (15, 39938), (Start: 32 @39992 has 65 MA's), (Start: 36 @40004 has 35 MA's), (58, 40136), (60, 40157), (61, 40160), (70, 40280), (82, 40346), (85, 40376), (87, 40418), (88, 40430), (90, 40469), (96, 40559), (108, 40613), (109, 40616), (119, 40655), (131, 40736), (142, 40853), (147, 40883), (157, 40961), (167, 41000), (170, 41009), (176, 41039), (213, 41198), (240, 41267), (294, 41432), (302, 41474),

Gene: Zephyr_9 Start: 4464, Stop: 5885, Start Num: 24

Candidate Starts for Zephyr_9:

(Start: 24 @4464 has 52 MA's), (66, 4743), (75, 4785), (87, 4878), (96, 4980), (131, 5103), (152, 5262), (158, 5289), (210, 5520), (226, 5553), (260, 5649), (281, 5703), (292, 5745), (305, 5796),

Gene: Zeuska_9 Start: 4959, Stop: 6347, Start Num: 33

Candidate Starts for Zeuska_9:

(20, 4917), (Start: 33 @4959 has 9 MA's), (49, 5037), (66, 5193), (86, 5298), (87, 5337), (131, 5571), (152, 5730), (158, 5757), (210, 5988), (226, 6021), (281, 6171), (292, 6213), (305, 6264), (314, 6324),

Gene: Zimmer_11 Start: 6242, Stop: 7636, Start Num: 32

Candidate Starts for Zimmer_11:

(Start: 32 @6242 has 65 MA's), (42, 6296), (49, 6332), (50, 6338), (52, 6347), (55, 6371), (66, 6488), (79, 6548), (87, 6629), (88, 6641), (105, 6767), (123, 6824), (131, 6875), (153, 7037), (160, 7070), (175, 7124), (193, 7187), (211, 7295), (266, 7436), (269, 7439), (288, 7502), (298, 7541), (315, 7622),

Gene: Zulu_13 Start: 5849, Stop: 7045, Start Num: 37

Candidate Starts for Zulu_13:

(Start: 32 @5831 has 65 MA's), (Start: 37 @5849 has 1 MA's), (61, 5999), (68, 6110), (74, 6143), (82, 6173), (87, 6257), (88, 6269), (90, 6302), (94, 6374), (101, 6392), (120, 6458), (129, 6506), (153, 6725), (162, 6752), (166, 6764), (169, 6770), (189, 6833), (240, 7016),