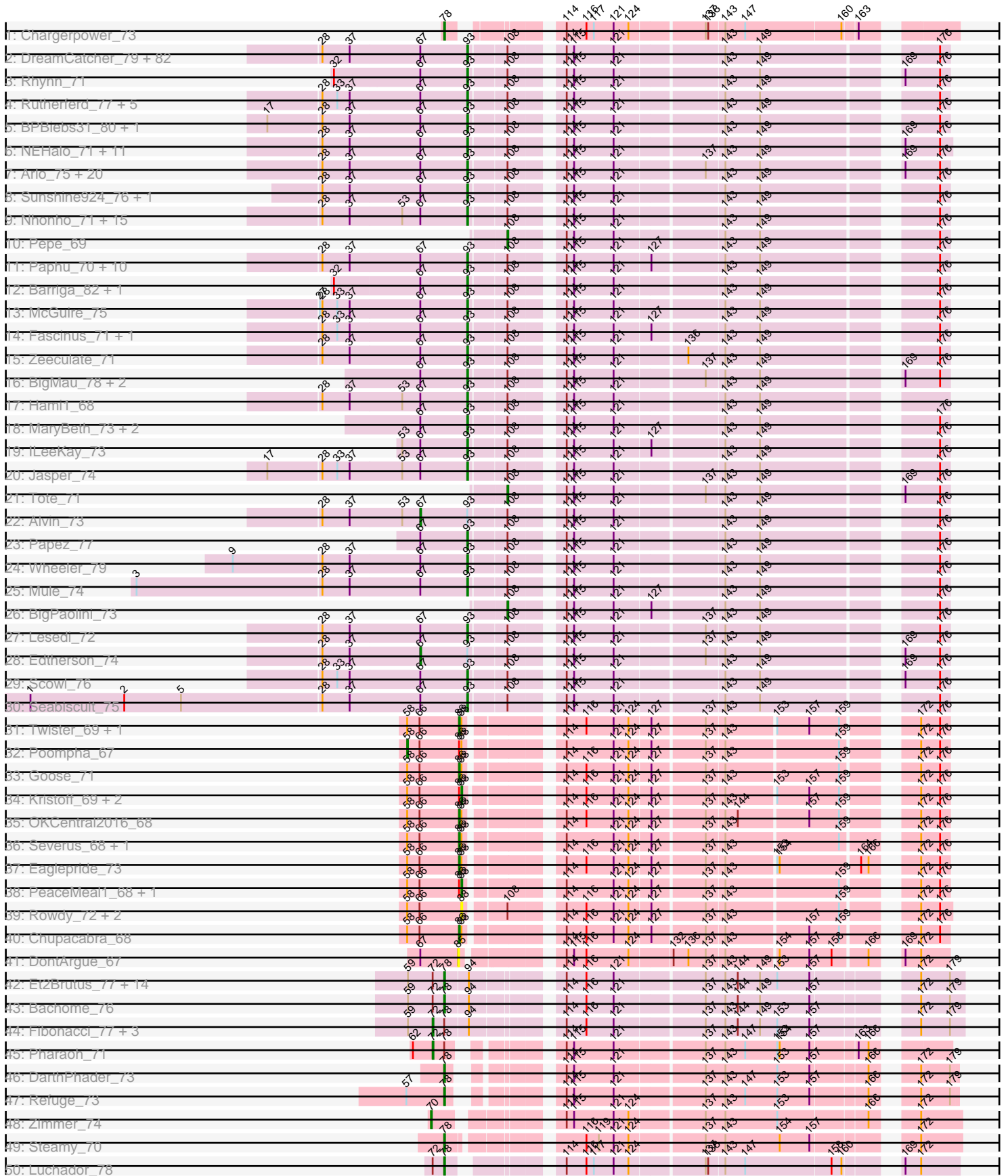
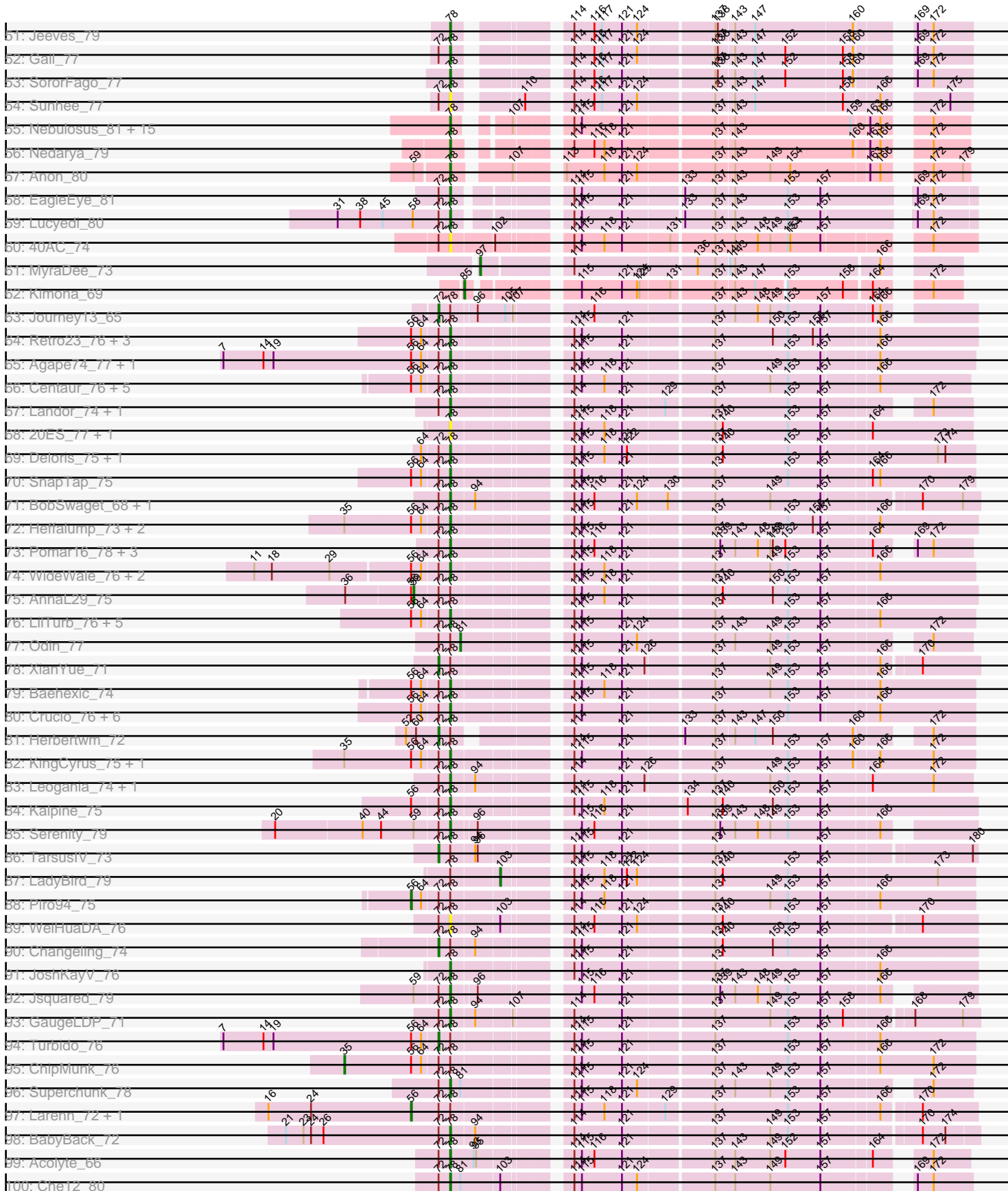


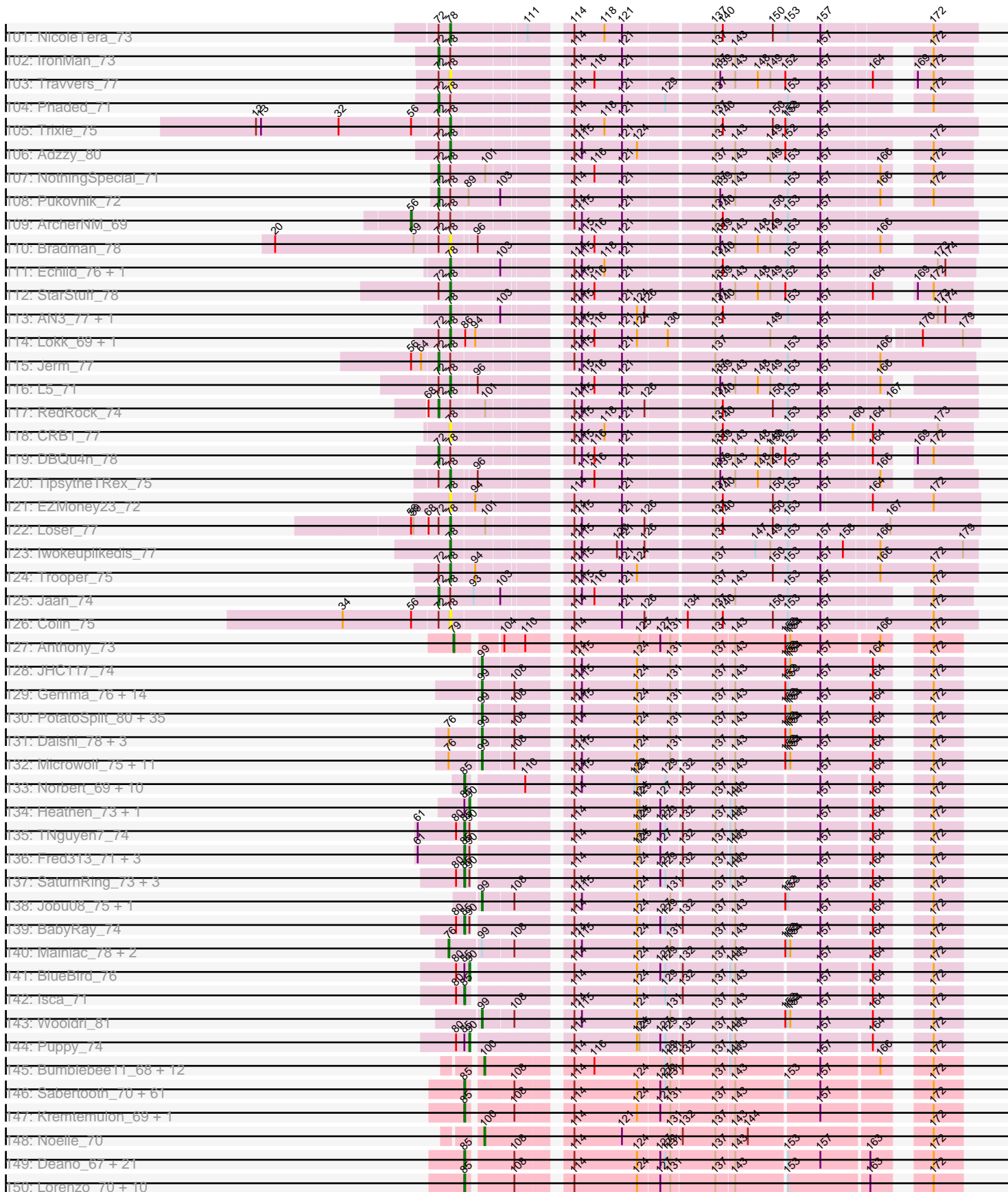
Pham 196163



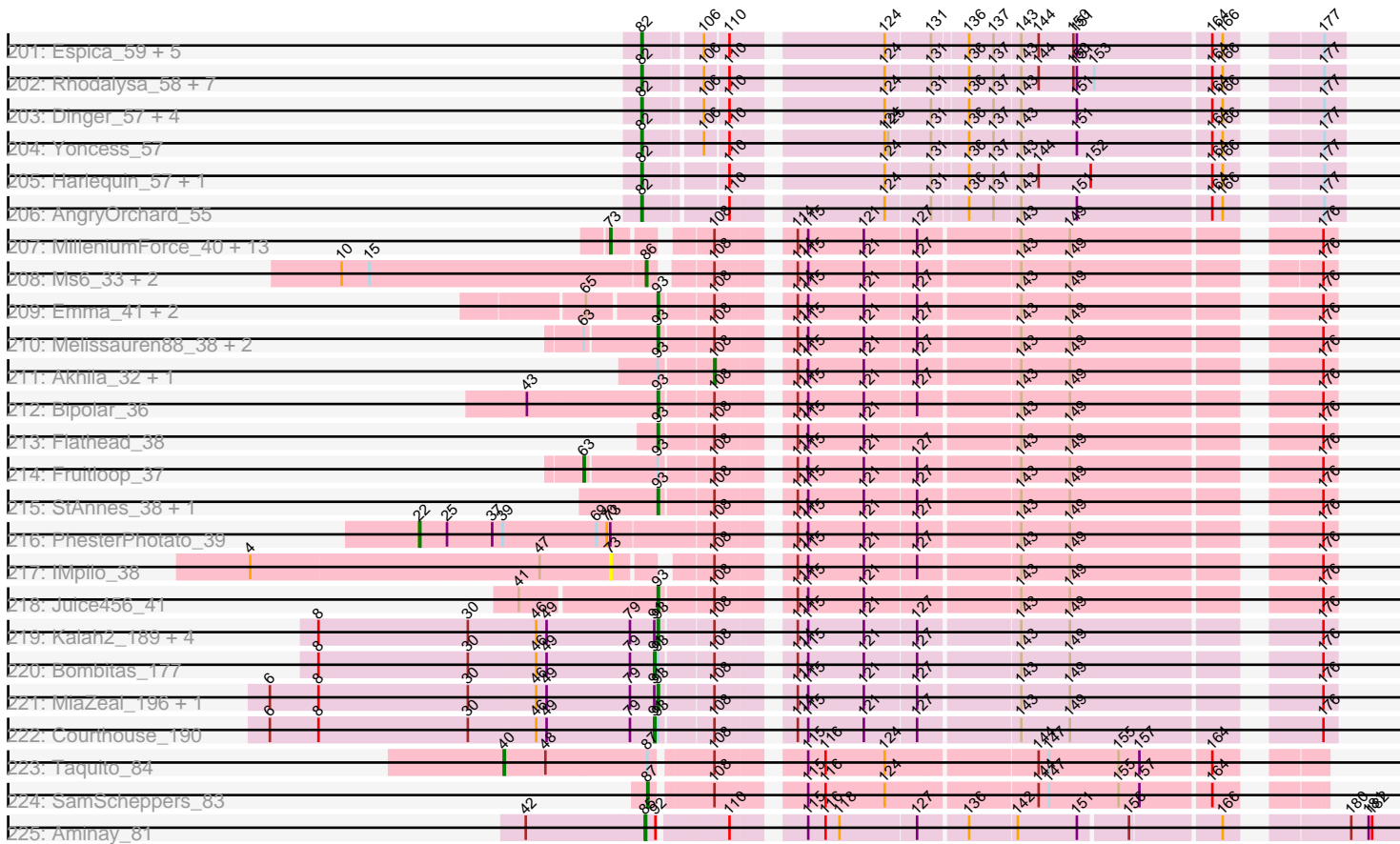
Pham 196163



Pham 196163



Pham 196163



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 196163 Report

This analysis was run 12/09/24 on database version 580.

Pham number 196163 has 775 members, 51 are drafts.

Phages represented in each track:

- Track 1 : Chargerpower_73
- Track 2 : DreamCatcher_79, Adahisdi_71, Dreamboat_75, JackSparrow_76, Pari_80, JC27_76, Ashballer_77, Ichabod_78, Hermia_70, Magnar_71, Killigrew_72, GrecoEtereo_79, Perseus_75, Ringer_75, Sanya_70, Rajelicia_77, GageAP_78, Bxb1_69, Bexan_70, IgnatiusPatJac_75, Rufus_78, Fushigi_69, Bones_71, Rubeus_76, Slagathor_76, Squee_76, BluSpix_73, HarryOW_76, Anglerfish_77, Espresso_69, STLscum_81, Marcell_68, Tripl3t_78, Fajezeel_78, Acme_79, Eyeball_74, SpikeBT_72, Briton15_78, QTRlifeCrisis_74, Parliament_76, Ruotula_79, Lopton_74, Greg_78, Inyanga_67, Buttons_72, Gompeii16_76, BeesKnees_76, Dulcie_76, Doom_68, Fenn_78, Licorice_76, MrGordo_76, Francis47_77, Big3_76, Marchy_67, Euphoria_76, Michley_76, Jorgensen_82, Agaliana_73, PherrisBueller_74, Nerujay_79, ShortQueendom_68, Smeagol_78, Dynamix_75, Beatrix_72, Atkinbua_81, U2_69, Sorpresa_74, Target_75, StrongArm_71, Gwendoluna_79, Zeuska_77, PascalRango_73, Violet_70, TheloniousMonk_77, Tasp14_74, Naira_77, Watermelon_78, Gandalf20_74, Sandaddy_73, MPlant7149_75, Sagefire_72, BaconJack_77
- Track 3 : Rhynn_71
- Track 4 : Rutherford_77, SwissCheese_79, KSSJEB_72, Mkhuseli_72, Bruns_78, Corvo_77
- Track 5 : BPBiebs31_80, Bethlehem_78
- Track 6 : NEHalo_71, Ohno789_78, Sumter_72, ConceptII_80, Aeneas_80, Dexes_76, Abbyshoes_75, Dussy_74, Marsha_75, Niza_75, Molly_75, Pinto_75
- Track 7 : Arlo_75, Treddle_77, Moose_77, Pelly_78, Kanely_77, Bob3_76, Forsytheast_77, JuliaChild_76, KyMonks1A_81, Lamina13_79, Sibs6_75, Swole_73, Petp2012_76, TwoPeat_75, Altman_78, Pita2_76, Snazzy_76, Mryolo_70, Burton_76, Hope4ever_76, Rohr_78
- Track 8 : Sunshine924_76, DrFeelGood_71
- Track 9 : Nhonho_71, Teodoridan_72, Ciao_72, Ajay_72, AFIS_72, Paraselene_73, Marge_72, Monet_79, PattyP_75, Seanderson_75, Zephyr_77, Homines_63, Blue_72, Pippin_76, ProMouse_75, PinkPlastic_71
- Track 10 : Pepe_69
- Track 11 : Paphu_70, DD5_73, Traft412_75, Lockley_72, Oogway_74, BillKnuckles_69, Solon_71, Wilkins_72, Topgun_71, Kugel_77, Graduation_78
- Track 12 : Barriga_82, Kykar_75
- Track 13 : McGuire_75
- Track 14 : Fascinus_71, CactusRose_78
- Track 15 : Zeeculate_71

- Track 16 : BigMau_78, Jerm2_77, HermioneGrange_79
- Track 17 : Hami1_68
- Track 18 : MaryBeth_73, MetalQZJ_72, LilBib_72
- Track 19 : ILeeKay_73
- Track 20 : Jasper_74
- Track 21 : Tote_71
- Track 22 : Alvin_73
- Track 23 : Papez_77
- Track 24 : Wheeler_79
- Track 25 : Mule_74
- Track 26 : BigPaolini_73
- Track 27 : Lesedi_72
- Track 28 : Edtherson_74
- Track 29 : Scowl_76
- Track 30 : Seabiscuit_75
- Track 31 : Twister_69, Edison31_67
- Track 32 : Poompha_67
- Track 33 : Goose_71
- Track 34 : Kristoff_69, Rebeuca_71, WalterMcMickey_69
- Track 35 : OKCentral2016_68
- Track 36 : Severus_68, KittenMittens_67
- Track 37 : Eaglepride_73
- Track 38 : PeaceMeal1_68, Drake94_68
- Track 39 : Rowdy_72, Shapes_72, DustyMartin_72
- Track 40 : Chupacabra_68
- Track 41 : DontArgue_67
- Track 42 : Et2Brutus_77, Flaverint_79, Joselito_77, Petersenfast_72, Snape_78, Mabel_78, Gilberta_75, Timothy_78, Lucivia_79, Aneem_79, Insomnia_77, Jabith_77, MaCh_78, Ebony_78, Salz_73
- Track 43 : Bachome_76
- Track 44 : Fibonacci_77, Munch_78, Bud_73, Mulciber_76
- Track 45 : Pharaoh_71
- Track 46 : DARTHPhader_73
- Track 47 : Refuge_73
- Track 48 : Zimmer_74
- Track 49 : Steamy_70
- Track 50 : Luchador_78
- Track 51 : Jeeves_79
- Track 52 : Gail_77
- Track 53 : SororFago_77
- Track 54 : Sunhee_77
- Track 55 : Nebulosus_81, Looper_83, MinecraftSteve_84, Epsocamisio_81, Rosalind_82, Soups_83, Battleship_86, Remus_84, JSwag_84, LastResort_82, Anaysia_84, KatherineG_84, Waits_83, ReMo_82, Strosahl_84, Oofda_83
- Track 56 : Nedarya_79
- Track 57 : Anon_80
- Track 58 : EagleEye_81
- Track 59 : Lucyedi_80
- Track 60 : 40AC_74
- Track 61 : MyraDee_73
- Track 62 : Kimona_69
- Track 63 : Journey13_65
- Track 64 : Retro23_76, Dalmatian_76, Anselm_77, DudeLittle_74

- Track 65 : Agape74_77, AbbyPaige_77
- Track 66 : Centaur_76, Drake55_77, HarryHoudini_76, NaSiaTalie_76, Flare16_76, MiculUcigas_76
- Track 67 : Landor_74, Bactobuster_68
- Track 68 : 20ES_77, First_0076
- Track 69 : Deloris_75, BengiVuitton_75
- Track 70 : SnapTap_75
- Track 71 : BobSwaget_68, Miko_69
- Track 72 : Heffalump_73, Fameo_74, QueenB2_73
- Track 73 : Pomar16_78, Tomathan_78, Duplo_78, Kerberos_78
- Track 74 : WideWale_76, Equemioh13_75, Updawg_76
- Track 75 : AnnaL29_75
- Track 76 : LilTurb_76, Buggy_77, Whabigail7_76, Dignity_77, Leviathan_77, Smeagan_78
- Track 77 : Odin_77
- Track 78 : XianYue_71
- Track 79 : Baehexic_74
- Track 80 : Crucio_76, QueenBeesly_76, Georgie2_77, FiringLine_76, Power_75, SemperFi_76, SweetiePie_75
- Track 81 : Herbertwm_72
- Track 82 : KingCyrus_75, EvilGenius_75
- Track 83 : Leogania_74, BiancaTri92_74
- Track 84 : Kalpine_75
- Track 85 : Serenity_79
- Track 86 : TarsusIV_73
- Track 87 : LadyBird_79
- Track 88 : Piro94_75
- Track 89 : WeiHuaDA_76
- Track 90 : Changeling_74
- Track 91 : JoshKayV_76
- Track 92 : Jsquared_79
- Track 93 : GaugeLDP_71
- Track 94 : Turbido_76
- Track 95 : ChipMunk_76
- Track 96 : Superchunk_78
- Track 97 : Larenn_72, Malec_73
- Track 98 : BabyBack_72
- Track 99 : Acolyte_66
- Track 100 : Che12_80
- Track 101 : NicoleTera_73
- Track 102 : IronMan_73
- Track 103 : Travvers_77
- Track 104 : Phaded_71
- Track 105 : Trixie_75
- Track 106 : Adzzy_80
- Track 107 : NothingSpecial_71
- Track 108 : Pukovnik_72
- Track 109 : ArcherNM_69
- Track 110 : Bradman_78
- Track 111 : Echild_76, Benvolio_73
- Track 112 : StarStuff_78
- Track 113 : AN3_77, VA6_75
- Track 114 : Lökk_69, Rachaly_71

- Track 115 : Jerm_77
- Track 116 : L5_71
- Track 117 : RedRock_74
- Track 118 : CRB1_77
- Track 119 : DBQu4n_78
- Track 120 : TopsytheTRex_75
- Track 121 : EZMoney23_72
- Track 122 : Loser_77
- Track 123 : Iwokeuplikedis_77
- Track 124 : Trooper_75
- Track 125 : Jaan_74
- Track 126 : Colin_75
- Track 127 : Anthony_73
- Track 128 : JHC117_74
- Track 129 : Gemma_76, Kalnoky_79, PurpleHaze_78, JeppNRM_79, Marius_79, Pawn_77, Heliosoles_76, Groupthink_79, HaveUMetTed_79, PhishRPhriends_75, OlanP_77, Reba_74, Manu_78, Calvinny_76, ACFishhook_76
- Track 130 : PotatoSplit_80, Penny1_79, Grif_77, Dieselweasel_79, Taurus_80, Phoxy_79, MarQuardt_79, Aglet_80, Grum1_78, Colbster_75, Anubis_82, Soshari_81, GtownJaz_79, GinkgoMaracino_79, Tiffany_78, LBerry_80, Rummer_78, Spike509_79, JenCasNa_80, Methuselah_72, Snickers_75, Cullens_79, Hercules11_79, Sabinator_77, Fernando_79, LugYA_82, EpicPhail_80, Farber_79, P28Green_79, Beauxregard13_78, SoYo_76, Ollie_79, MoneyMay_78, Marie_77, Vix_75, Phoebe_80
- Track 131 : Daishi_78, LarryKay_79, HashRod_80, KADY_76
- Track 132 : Microwolf_75, AugsMagnumOpus_82, Pembroke_79, Stagni_76, Malinsilva_81, MadMarie_77, BreSam8_79, Lilith_77, PGHhamlin_81, Watson_78, StepMih_78, MuchMore_82
- Track 133 : Norbert_69, Margo_73, Todacoro_73, QuinnKiro_72, Panamaxus_71, Pocahontas_72, Lambert1_73, Popcicle_73, Texage_71, ResDef_71, Hookmount_73
- Track 134 : Heathen_73, Kachowdy_71
- Track 135 : TNguyen7_74
- Track 136 : Fred313_71, DropBear_71, HelDan_73, Scout_72
- Track 137 : SaturnRing_73, Bugatti_73, Idleandcovert_74, Giroux_72
- Track 138 : Jobu08_75, SoilDragon_78
- Track 139 : BabyRay_74
- Track 140 : Mainiac_78, Sabia_77, DaHudson_78
- Track 141 : BlueBird_76
- Track 142 : Isca_71
- Track 143 : Wooldri_81
- Track 144 : Puppy_74
- Track 145 : Bumblebee11_68, AbbysRanger_69, Backyardigan_67, PetiteSangsue_69, Wizard007_69, Morpher26_69, Katalie136_69, Cici_69, Perplexer_69, Shygu2_69, Achebe_68, Wile_68, Badger_68
- Track 146 : Sabertooth_70, Romney_69, MeeZee_69, Mazhar510_70, Millski_69, NorthStar_68, Peaches_68, Avle17_70, Ruin_70, Pumbaa_70, KFPoly_69, YoSam321_70, Bruiser_69, Wander_70, Flux_70, Ulysses_69, Kratark_69, Bombshell_70, Caelakin_69, Skipitt_69, Funston_69, OKaNui_69, Melvin_72, Sparxx_71, JoongJeon_69, PeterPeter_70, Burger_68, Broseidon_70, Taquarus_69, Cocoaberry_70, Eris_69, Kyee_70, Relief_69, Scamp_70, Lemur_70, LittleB_70, Phighter1804_70, Maverick_69, Clarenza_69, Phacado_70, HamSlice_66, Jaykayelowell_67, Dhanush_70, Koreni_69, NotAPhaseMom_69, Anyyong_69, Iracema64_70, LochMonster_71, Thanksgivukkah_69, DirtyDunning_69, Gadost_70,

Houdini22_69, Eapen_70, Palestino_69, Connomayer_70, Spino_69, Tinybot_69, Wilbur_70, Nemo27_69, Arturo_67, Pipcraft_67, Rosa24_67

- Track 147 : Kremtemulon_69, Cintron_70
- Track 148 : Noelle_70
- Track 149 : Deano_67, Bartimeaus_70, Albee_70, Druantia_69, Kingmustik0402_70, Holli_69, Alberto7_71, Baby16_70, Chaph_70, Blackmoor_69, TiroTheta9_69, Florean_70, Eros_70, LappelDuVide_70, BubbleTrouble_69, Roosevelt_68, TinaFeyge_68, Nyxis_69, TygerBlood_70, LittleGuy_70, Citius_70, Phontbonne_70
- Track 150 : Lorenzo_70, Kampy_69, Phelipe_71, Eagle_69, TroyPia_71, Eurydice_71, BellusTerra_71, Ohfah_71, Nebs_71, LeoAvram_69, Polymorphads_70
- Track 151 : Camperdownii_68
- Track 152 : ICleared_69, Abdiel_70, Commander_68, Lunsford_70, Medusa_70
- Track 153 : Mundrea_69
- Track 154 : Happiness_69, SheldonCooper_70, ChampagnePapi_72, Shaka_68, JetBlade_70, BangNhom_68, Obama12_71, LHTSCC_72, Cerulean_71
- Track 155 : CentreCat_70
- Track 156 : Xena_68
- Track 157 : Stink_69, Miramae_69, AvatarAhPeg_69
- Track 158 : Stasia_69
- Track 159 : Datway_69
- Track 160 : Cindaradix_66
- Track 161 : Iceman_69
- Track 162 : UnionJack_73
- Track 163 : Kazan_79, Neeharika16_77, Candra_76, SmellyB_78, Isiphiwo_75, Hoot_73, DaVinci_76, Kipper29_78, GreedyLawyer_73, McFly_79, VohminGhazi_78, SuperCallie99_75, BABullseye_71, Cookiedough_78, Chartreuse_75, EricB_77, Newrala_77
- Track 164 : Jordennis_76, SuperAwesome_78, Pmask_77, Dorothea_78
- Track 165 : Zulu_79, Zaka_78, Hammer_78, Blue7_79, CloudWang3_78, Gruunaga_77, Gladiator_75
- Track 166 : Koko_79, Roksolana_78
- Track 167 : Helmet_79, Indra_81, Garak_79, ToneTone_75, Wiks_77, Tucker_78, Yokurt_77
- Track 168 : Artemis2UCLA_77, Hexamo_77
- Track 169 : Rifter_78
- Track 170 : HINdeR_70
- Track 171 : Sheen_74, Toro_73, FlyCatcher_75
- Track 172 : Timshel_71, DroogsArmy_69
- Track 173 : PP_72
- Track 174 : Astro_84, Saintus_80, Danforth_85, Dixon_83, NearlyHeadless_85, Groundhog_82, Stephig9_83, Smeadley_84
- Track 175 : Expelliarmus_81, Roary_86
- Track 176 : Phillis_81
- Track 177 : Halex_75, Sachima_73, Phonnegut_77, Jiawan_74, RyeScarlet_78, Onglai_75, Hanray_75, Pioneer_77, Beemo_77, Lilleskat_74
- Track 178 : Fayely_75, Priya_75, EmyBug_74, Alma_75, Spouty_75, Qobbit_75, ExplosioNervosa_75
- Track 179 : Myxus_77, HortumSL17_78, PackMan_76
- Track 180 : EdogawaKiddo_75
- Track 181 : Vanisoa_74
- Track 182 : Catalina_79, Tubs_77, Phaeder_77
- Track 183 : Conquerage_75, Eidsmoe_75

- Track 184 : Keziacharles14_74
- Track 185 : Toaka_77
- Track 186 : BogosyJay_77, Maminiaina_77
- Track 187 : Arissanae_74
- Track 188 : Elephantoan_77
- Track 189 : Rahalelujah_77
- Track 190 : Charm_71, DreamTeam1_71
- Track 191 : SheaKeira_71
- Track 192 : Scherzo_76
- Track 193 : LoneWolf_78
- Track 194 : Yecey3_79
- Track 195 : Alice_41, Shaqnato_43, Phox_45, Koguma_43, Ronan_41, Lukilu_41, JulietS_42, Yassified_45, DLane_38
- Track 196 : LRRHood_44, Rabinovish_45, Stubby_43, Pinkcreek_38
- Track 197 : Morizzled23_50
- Track 198 : EasyJones_49
- Track 199 : Astraea_48, BadAgartude_49
- Track 200 : HyRo_222
- Track 201 : Espica_59, Shuman_59, Belenaria_59, AppleCloud_55, Natosaleda_57, RexFury_57
- Track 202 : Rhodalysa_58, Krishelle_58, StCroix_57, Naiad_57, CosmicSans_58, TWAMP_58, Alatin_57, Lillie_58
- Track 203 : Dinger_57, Hiro_58, Partridge_57, Bonanza_59, PhailMary_57
- Track 204 : Yoncess_57
- Track 205 : Harlequin_57, Jester_57
- Track 206 : AngryOrchard_55
- Track 207 : MilleniumForce_40, Ovechkin_39, Coco12_38, Donkeykong_39, KristaRAM_40, Soul22_44, Phanphagia_35, Galactic_41, Shauna1_36, Moonbeam_39, MinionDave_41, CaptainTrips_39, Byougenkin_38, XFactor_38
- Track 208 : Ms6_33, Mova_39, Bobi_40
- Track 209 : Emma_41, Kenuha5_35, Rialto_43
- Track 210 : Melissauren88_38, Batiatus_38, LunaBlu_42
- Track 211 : Akhila_32, MilanaBonita_32
- Track 212 : Bipolar_36
- Track 213 : Flathead_38
- Track 214 : Fruitloop_37
- Track 215 : StAnnes_38, Phalconet_39
- Track 216 : PhesterPhotato_39
- Track 217 : IMpilo_38
- Track 218 : Juice456_41
- Track 219 : Kalah2_189, Pound_183, Squint_188, Superphikiman_191, Ariel_194
- Track 220 : Bombitas_177
- Track 221 : MiaZeal_196, LittleE_195
- Track 222 : Courthouse_190
- Track 223 : Taquito_84
- Track 224 : SamScheppers_83
- Track 225 : Aminay_81

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

The start number called the most often in the published annotations is 93, it was called in 198 of the 724 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- AFIS_72, Abbysshoes_75, Acme_79, Adahisdi_71, Aeneas_80, Agaliana_73, Ajay_72, Alice_41, Altman_78, Anglerfish_77, Ariel_194, Arlo_75, Ashballer_77, Atkinbua_81, BPBiabs31_80, BaconJack_77, Barriga_82, Batiatus_38, Beatrix_72, BeesKnees_76, Bethlehem_78, Bexan_70, Big3_76, BigMau_78, BillKnuckles_69, Bipolar_36, BluSpix_73, Blue_72, Bob3_76, Bones_71, Briton15_78, Bruns_78, Burton_76, Buttons_72, Bxb1_69, CactusRose_78, Ciao_72, ConceptII_80, Corvo_77, DD5_73, DLane_38, Dexes_76, Doom_68, DrFeelGood_71, DreamCatcher_79, Dreamboat_75, Dulcie_76, Dussy_74, Dynamix_75, Emma_41, Espresso_69, Euphoria_76, Eyeball_74, Fajezeel_78, Fascinus_71, Fenn_78, Flathead_38, Forsytheast_77, Francis47_77, Fushigi_69, GageAP_78, Gandalf20_74, Gompeii16_76, Graduation_78, GrecoEtereo_79, Greg_78, Gwendoluna_79, Hami1_68, HarryOW_76, Hermia_70, HermioneGrange_79, Homines_63, Hope4ever_76, HyRo_222, ILeeKay_73, Ichabod_78, IgnatiusPatJac_75, Inyanga_67, JC27_76, JackSparrow_76, Jasper_74, Jerm2_77, Jorgensen_82, Juice456_41, JuliaChild_76, JulietS_42, KSSJEB_72, Kalah2_189, Kanely_77, Kenuha5_35, Killigrew_72, Koguma_43, Kugel_77, KyMonks1A_81, Kykar_75, LRRHood_44, Lamina13_79, Lesedi_72, Licorice_76, LilBib_72, LittleE_195, Lockley_72, Lopton_74, Lukilu_41, LunaBlu_42, MPlant7149_75, Magnar_71, Marcell_68, Marchy_67, Marge_72, Marsha_75, MaryBeth_73, McGuire_75, Melissauren88_38, MetalQZJ_72, MiaZeal_196, Michley_76, Mkhusei_72, Molly_75, Monet_79, Moose_77, Morizzled23_50, MrGordo_76, Mryolo_70, Mule_74, NEHalo_71, Naira_77, Nerujay_79, Nhonho_71, Niza_75, Ohno789_78, Oogway_74, Papez_77, Paphu_70, Paraselene_73, Pari_80, Parliament_76, PascalRango_73, PattyP_75, Pelly_78, Perseus_75, Petp2012_76, Phalconet_39, PherrisBuellier_74, Phox_45, PinkPlastic_71, Pinkcreek_38, Pinto_75, Pippin_76, Pita2_76, Pound_183, ProMouse_75, QTRlifeCrisis_74, Rabinovish_45, Rajelicia_77, Rhynn_71, Rialto_43, Ringer_75, Rohr_78, Ronan_41, Rubeus_76, Rufus_78, Ruotula_79, Rutherford_77, STLscum_81, Sagefire_72, Sandaddy_73, Sanya_70, Scowl_76, Seabiscuit_75, Seanderson_75, Shaqnato_43, ShortQueendom_68, Sibs6_75, Slagathor_76, Smeagol_78, Snazzy_76, Solon_71, Sorpresa_74, SpikeBT_72, Squee_76, Squint_188, StAnnes_38, StrongArm_71, Stubby_43, Sumter_72, Sunshine924_76, Superphikiman_191, SwissCheese_79, Swole_73, Target_75, Tasp14_74, Teodoridan_72, TheloniousMonk_77, Topgun_71, Traft412_75, Treddle_77, Tripl3t_78, TwoPeat_75, U2_69, Violet_70, Watermelon_78, Wheeler_79, Wilkins_72, Yassified_45, Zeeculate_71, Zephyr_77, Zeuska_77,

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

- Acolyte_66, Akhila_32, Alvin_73, Astraea_48, BadAgartude_49, Bombitas_177, Courthouse_190, EasyJones_49, Edtherson_74, Fruitloop_37, Jaan_74, MilanaBonita_32,

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

- 20ES_77, 40AC_74, ACFishhook_76, AN3_77, AbbyPaige_77, AbbysRanger_69, Abdiel_70, Achebe_68, Adzzy_80, Agape74_77, Aglet_80, Alatin_57, Albee_70, Alberto7_71, Alma_75, Aminay_81, Anaysia_84, Aneem_79, AngryOrchard_55, AnnaL29_75, Annyong_69, Anon_80, Anselm_77, Anthony_73, Anubis_82, AppleCloud_55, ArcherNM_69, Arissanae_74, Artemis2UCLA_77, Arturo_67, Astro_84, AugsMagnumOpus_82, AvatarAhPeg_69, Avle17_70, BABullseye_71,

Baby16_70, BabyBack_72, BabyRay_74, Bachome_76, Backyardigan_67, Bactobuster_68, Badger_68, Baehexic_74, BangNhom_68, Bartimeaus_70, Battleship_86, Beauxregard13_78, Beemo_77, Belenaria_59, BellusTerra_71, BengiVuitton_75, Benvolio_73, BiancaTri92_74, BigPaolini_73, Blackmoor_69, Blue7_79, BlueBird_76, BobSwaget_68, Bobi_40, BogosyJay_77, Bombshell_70, Bonanza_59, Bradman_78, BreSam8_79, Broseidon_70, Bruiser_69, BubbleTrouble_69, Bud_73, Bugatti_73, Buggy_77, Bumblebee11_68, Burger_68, Byougenkin_38, CRB1_77, Caelakin_69, Calvinny_76, Camperdownii_68, Candra_76, CaptainTrips_39, Catalina_79, Centaur_76, CentreCat_70, Cerulean_71, ChampagnePapi_72, Changeling_74, Chaph_70, Chargerpower_73, Charm_71, Chartreuse_75, Che12_80, ChipMunk_76, Chupacabra_68, Cici_69, Cindaradix_66, Cintron_70, Citius_70, Clarenza_69, CloudWang3_78, Coco12_38, Cocoaberry_70, Colbster_75, Colin_75, Commander_68, Connomayer_70, Conquerage_75, Cookiedough_78, CosmicSans_58, Crucio_76, Cullens_79, DBQu4n_78, DaHudson_78, DaVinci_76, Daishi_78, Dalmatian_76, Danforth_85, DarthPhader_73, Datway_69, Deano_67, Deloris_75, Dhanush_70, Dieselweasel_79, Dignity_77, Dinger_57, DirtyDunning_69, Dixon_83, Donkeykong_39, DontArgue_67, Dorothea_78, Drake55_77, Drake94_68, DreamTeam1_71, DroogsArmy_69, DropBear_71, Druantia_69, DudeLittle_74, Duplo_78, DustyMartin_72, EZMoney23_72, EagleEye_81, Eagle_69, Eaglepride_73, Eapen_70, Ebony_78, Echild_76, Edison31_67, EdogawaKiddo_75, Eidsmoe_75, Elephantoon_77, EmyBug_74, EpicPhail_80, Epsocamisio_81, Equemioh13_75, EricB_77, Eris_69, Eros_70, Espica_59, Et2Brutus_77, Eurydice_71, EvilGenius_75, Expelliarmus_81, ExplosioNervosa_75, Fameo_74, Farber_79, Fayely_75, Fernando_79, Fibonacci_77, FiringLine_76, First_0076, Flare16_76, Flaverint_79, Florean_70, Flux_70, FlyCatcher_75, Fred313_71, Funston_69, Gadost_70, Gail_77, Galactic_41, Garak_79, GaugeLDP_71, Gemma_76, Georgie2_77, Gilberta_75, GingkoMaracino_79, Giroux_72, Gladiator_75, Goose_71, GreedyLawyer_73, Grif_77, Groundhog_82, Groupthink_79, Grum1_78, Gruunaga_77, GtownJaz_79, HINdeR_70, HamSlice_66, Hammer_78, Hanray_75, Happiness_69, Harlequin_57, HarryHoudini_76, HashRod_80, HaveUMetTed_79, Heathen_73, Heffalump_73, HelDan_73, Heliosoles_76, Helmet_79, Herbertwm_72, Hercules11_79, Hexamo_77, Hiro_58, Horex_75, Holli_69, Hookmount_73, Hoot_73, HortumSL17_78, Houdini22_69, ICleared_69, IMpilo_38, Iceman_69, Idleandcovert_74, Indra_81, Insomnia_77, Iracema64_70, IronMan_73, Isca_71, Isiphiwo_75, Iwokeuplikedis_77, JHC117_74, JSwag_84, Jabith_77, Jaykayelowell_67, Jeeves_79, JenCasNa_80, JeppNRM_79, Jerm_77, Jester_57, JetBlade_70, Jiawan_74, Jobu08_75, JoongJeon_69, Jordennis_76, Joselito_77, JoshKayV_76, Journey13_65, Jsquared_79, KADY_76, KFPoly_69, Kachowdy_71, Kalnoky_79, Kalpine_75, Kamy_69, Katalie136_69, KatherineG_84, Kazan_79, Kerberos_78, Keziacharles14_74, Kimona_69, KingCyrus_75, Kingmustik0402_70, Kipper29_78, KittenMittens_67, Koko_79, Koreni_69, Kratark_69, Kremtemulon_69, Krishelle_58, KristaRAM_40, Kristoff_69, Kyee_70, L5_71, LBerry_80, LHTSCC_72, LadyBird_79, Lambert1_73, Landor_74, LappelDuVide_70, Larenn_72, LarryKay_79, LastResort_82, Lemur_70, LeoAvram_69, Leogania_74, Leviathan_77, LilTurb_76, Lilith_77, Lilleskat_74, Lillie_58, LittleB_70, LittleGuy_70, LochMonster_71, Lokk_69, LoneWolf_78, Looper_83, Lorenzo_70, Loser_77, Luchador_78, Lucivia_79, Lucyedi_80, LugYA_82, Lunsford_70, MaCh_78, Mabel_78, MadMarie_77, Mainiac_78, Malec_73, Malinsilva_81, Maminiaina_77, Manu_78, MarQuardt_79, Margo_73, Marie_77, Marius_79, Maverick_69, Mazhar510_70, McFly_79, Medusa_70, MeeZee_69, Melvin_72, Methuselah_72, Microwolf_75, MiculUcigas_76, Miko_69, MilleniumForce_40, Millski_69, MinecraftSteve_84, MinionDave_41, Miramae_69,

MoneyMay_78, Moonbeam_39, Morpher26_69, Mova_39, Ms6_33, MuchMore_82,
 Mulciber_76, Munch_78, Mundrea_69, MyraDee_73, Myxus_77, NaSiaTalie_76,
 Naiad_57, Natosaleda_57, NearlyHeadless_85, Nebs_71, Nebulosus_81,
 Nedarya_79, Neeharika16_77, Nemo27_69, Newrala_77, NicoleTera_73, Noelle_70,
 Norbert_69, NorthStar_68, NotAPhaseMom_69, NothingSpecial_71, Nyxis_69,
 OKCentral2016_68, OKaNui_69, Obama12_71, Odin_77, Ohfah_71, OlanP_77,
 Ollie_79, Onglai_75, Oofda_83, Ovechkin_39, P28Green_79, PGHhamlin_81,
 PP_72, PackMan_76, Palestino_69, Panamaxus_71, Partridge_57, Pawn_77,
 PeaceMeal1_68, Peaches_68, Pembroke_79, Penny1_79, Pepe_69, Perplexer_69,
 PeterPeter_70, Petersenfast_72, PetiteSangsue_69, Phacado_70, Phaded_71,
 Phaeder_77, PhailMary_57, Phanphagia_35, Pharaoh_71, Phelipe_71,
 PhesterPhotato_39, Phighter1804_70, Phillis_81, PhishRPhriends_75, Phoebe_80,
 Phonnegut_77, Phontbonne_70, Phoxy_79, Pioneer_77, Pipcraft_67, Piro94_75,
 Pmask_77, Pocahontas_72, Polymorphads_70, Pomar16_78, Poompha_67,
 Popcicle_73, PotatoSplit_80, Power_75, Priya_75, Pukovnik_72, Pumbaa_70,
 Puppy_74, PurpleHaze_78, Qobbit_75, QueenB2_73, QueenBeesly_76,
 QuinnKiro_72, Rachaly_71, Rahalelujah_77, ReMo_82, Reba_74, Rebeuca_71,
 RedRock_74, Refuge_73, Relief_69, Remus_84, ResDef_71, Retro23_76,
 RexFury_57, Rhodalyssa_58, Rifter_78, Roary_86, Roksolana_78, Romney_69,
 Roosevelt_68, Rosa24_67, Rosalind_82, Rowdy_72, Ruin_70, Rummer_78,
 RyeScarlet_78, Sabertooth_70, Sabia_77, Sabinator_77, Sachima_73, Saintus_80,
 Salz_73, SamScheppers_83, SaturnRing_73, Scamp_70, Scherzo_76, Scout_72,
 SemperFi_76, Serenity_79, Severus_68, Shaka_68, Shapes_72, Shauna1_36,
 SheaKeira_71, Sheen_74, SheldonCooper_70, Shuman_59, Shygu2_69, Skipitt_69,
 Smeadley_84, Smeagan_78, SmellyB_78, SnapTap_75, Snape_78, Snickers_75,
 SoYo_76, SoilDragon_78, SororFago_77, Soshari_81, Soul22_44, Soups_83,
 Sparxx_71, Spike509_79, Spino_69, Spouty_75, StCroix_57, Stagni_76,
 StarStuff_78, Stasia_69, Steamy_70, StepMih_78, Stephig9_83, Stink_69,
 Strosahl_84, Sunhee_77, SuperAwesome_78, SuperCallie99_75, Superchunk_78,
 SweetiePie_75, TNguyen7_74, TWAMP_58, Taquarus_69, Taquito_84, TarsusIV_73,
 Taurus_80, Texage_71, Thanksgivukkah_69, Tiffany_78, Timothy_78, Timshel_71,
 TinaFeyge_68, Tinybot_69, TopsytheTRex_75, TiroTheta9_69, Toaka_77,
 Todacoro_73, Tomathan_78, ToneTone_75, Toro_73, Tote_71, Travvers_77,
 Trixie_75, Trooper_75, TroyPia_71, Tubs_77, Tucker_78, Turbido_76, Twister_69,
 TygerBlood_70, Ulysses_69, UnionJack_73, Updawg_76, VA6_75, Vanisoa_74,
 Vix_75, VohminGhazi_78, Waits_83, WalterMcMickey_69, Wander_70, Watson_78,
 WeiHuaDA_76, Whabigail7_76, WideWale_76, Wiks_77, Wilbur_70, Wile_68,
 Wizard007_69, Wooldri_81, XFactor_38, Xena_68, XianYue_71, Yecey3_79,
 YoSam321_70, Yokurt_77, Yoncess_57, Zaka_78, Zimmer_74, Zulu_79,

Summary by start number:

Start 22:

- Found in 1 of 775 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 724
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PhesterPhotato_39 (F1),

Start 35:

- Found in 6 of 775 (0.8%) of genes in pham
- Manual Annotations of this start: 1 of 724
- Called 16.7% of time when present
- Phage (with cluster) where this start called: ChipMunk_76 (A2),

Start 40:

- Found in 2 of 775 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 724
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Taquito_84 (K4),

Start 56:

- Found in 47 of 775 (6.1%) of genes in pham
- Manual Annotations of this start: 4 of 724
- Called 8.5% of time when present
- Phage (with cluster) where this start called: ArcherNM_69 (A2), Larenn_72 (A2), Malec_73 (A2), Piro94_75 (A2),

Start 58:

- Found in 18 of 775 (2.3%) of genes in pham
- Manual Annotations of this start: 1 of 724
- Called 5.6% of time when present
- Phage (with cluster) where this start called: Poompha_67 (A10),

Start 59:

- Found in 26 of 775 (3.4%) of genes in pham
- Manual Annotations of this start: 1 of 724
- Called 3.8% of time when present
- Phage (with cluster) where this start called: AnnaL29_75 (A2),

Start 61:

- Found in 24 of 775 (3.1%) of genes in pham
- Manual Annotations of this start: 9 of 724
- Called 37.5% of time when present
- Phage (with cluster) where this start called: Artemis2UCLA_77 (A6), Blue7_79 (A6), CloudWang3_78 (A6), Gladiator_75 (A6), Gruunaga_77 (A6), Hammer_78 (A6), Hexamo_77 (A6), Zaka_78 (A6), Zulu_79 (A6),

Start 63:

- Found in 4 of 775 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 724
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Fruitloop_37 (F1),

Start 67:

- Found in 179 of 775 (23.1%) of genes in pham
- Manual Annotations of this start: 2 of 724
- Called 1.1% of time when present
- Phage (with cluster) where this start called: Alvin_73 (A1), Edtherson_74 (A1),

Start 70:

- Found in 2 of 775 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 724
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Zimmer_74 (A12),

Start 72:

- Found in 192 of 775 (24.8%) of genes in pham
- Manual Annotations of this start: 33 of 724
- Called 17.7% of time when present
- Phage (with cluster) where this start called: Arissanae_74 (A9), BogosyJay_77 (A9), Bud_73 (A11), Changeling_74 (A2), Conquerage_75 (A9), DBQu4n_78 (A2), Dorothea_78 (A6), EdogawaKiddo_75 (A9), Eidsmoe_75 (A9), Fibonacci_77 (A11), Herbertwm_72 (A2), HortumSL17_78 (A9), IronMan_73 (A2), Jaan_74 (A2), Jerm_77 (A2), Jordennis_76 (A6), Journey13_65 (A2), Maminaiaina_77 (A9), Mulciber_76 (A11), Munch_78 (A11), Myxus_77 (A9), NothingSpecial_71 (A2), PackMan_76 (A9), Phaded_71 (A2), Pharaoh_71 (A12), Pmask_77 (A6), Pukovnik_72 (A2), Rahalelujah_77 (A9), RedRock_74 (A2), Scherzo_76 (A9), SuperAwesome_78 (A6), TarsusIV_73 (A2), Turbido_76 (A2), XianYue_71 (A2),

Start 73:

- Found in 16 of 775 (2.1%) of genes in pham
- Manual Annotations of this start: 14 of 724
- Called 93.8% of time when present
- Phage (with cluster) where this start called: Byougenkin_38 (F1), CaptainTrips_39 (F1), Coco12_38 (F1), Donkeykong_39 (F1), Galactic_41 (F1), IMpilo_38 (F1), KristaRAM_40 (F1), MilleniumForce_40 (F1), MinionDave_41 (F1), Moonbeam_39 (F1), Ovechkin_39 (F1), Phanphagia_35 (F1), Shauna1_36 (F1), Soul22_44 (F2), XFactor_38 (F1),

Start 74:

- Found in 11 of 775 (1.4%) of genes in pham
- Manual Annotations of this start: 3 of 724
- Called 27.3% of time when present
- Phage (with cluster) where this start called: Expelliarmus_81 (A8), Phillis_81 (A8), Roary_86 (A8),

Start 76:

- Found in 19 of 775 (2.5%) of genes in pham
- Manual Annotations of this start: 3 of 724
- Called 15.8% of time when present
- Phage (with cluster) where this start called: DaHudson_78 (A3), Mainiac_78 (A3), Sabia_77 (A3),

Start 78:

- Found in 232 of 775 (29.9%) of genes in pham
- Manual Annotations of this start: 158 of 724
- Called 78.0% of time when present
- Phage (with cluster) where this start called: 20ES_77 (A2), 40AC_74 (A17), AN3_77 (A2), AbbyPaige_77 (A2), Acolyte_66 (A2), Adzzy_80 (A2), Agape74_77 (A2), Alma_75 (A9), Anaysia_84 (A15), Aneem_79 (A11), Anon_80 (A15), Anselm_77 (A2), BABullseye_71 (A6), BabyBack_72 (A2), Bachome_76 (A11), Bactobuster_68 (A2), Baehexic_74 (A2), Battleship_86 (A15), Beemo_77 (A9), BengiVuitton_75 (A2), Benvolio_73 (A2), BiancaTri92_74 (A2), BobSwaget_68 (A2), Bradman_78 (A2), Buggy_77 (A2), CRB1_77 (A2), Candra_76 (A6), Catalina_79 (A9), Centaur_76 (A2), Chargerpower_73 (A), Charm_71 (A9), Chartreuse_75 (A6), Che12_80 (A2), Colin_75 (A2), Cookiedough_78 (A6), Crucio_76 (A2), DaVinci_76 (A6), Dalmatian_76 (A2), DarthPhader_73 (A12), Deloris_75 (A2), Dignity_77 (A2), Drake55_77 (A2), DreamTeam1_71 (A9), DudeLittle_74 (A2), Duplo_78 (A2), EZMoney23_72 (A2), EagleEye_81 (A16), Ebony_78 (A11), Echild_76 (A2),

Elephantoon_77 (A9), EmyBug_74 (A9), Epsocamisio_81 (A15), Equemioh13_75 (A2), EricB_77 (A6), Et2Brutus_77 (A11), EvilGenius_75 (A2), ExplosioNervosa_75 (A9), Fameo_74 (A2), Fayely_75 (A9), FiringLine_76 (A2), First_0076 (A2), Flare16_76 (A2), Flaverint_79 (A11), Gail_77 (A14), Garak_79 (A6), GaugeLDP_71 (A2), Georgie2_77 (A2), Gilberta_75 (A11), GreedyLawyer_73 (A6), Hanray_75 (A9), HarryHoudini_76 (A2), Heffalump_73 (A2), Helmet_79 (A6), Horex_75 (A9), Hoot_73 (A6), Indra_81 (A6), Insomnia_77 (A11), Isiphiwo_75 (A6), Iwokeuplikedis_77 (A2), JSwag_84 (A15), Jabith_77 (A11), Jeeves_79 (A14), Jiawan_74 (A9), Joselito_77 (A11), JoshKayV_76 (A2), Jsquared_79 (A2), Kalpine_75 (A2), KatherineG_84 (A15), Kazan_79 (A6), Kerberos_78 (A2), Keziacharles14_74 (A9), KingCyrus_75 (A2), Kipper29_78 (A6), Koko_79 (A6), L5_71 (A2), Landor_74 (A2), LastResort_82 (A15), Leogania_74 (A2), Leviathan_77 (A2), LilTurb_76 (A2), Lilleskat_74 (A9), Lokk_69 (A2), LoneWolf_78 (A9), Looper_83 (A15), Loser_77 (A2), Luchador_78 (A14), Lucivia_79 (A11), Lucyedi_80 (A16), MaCh_78 (A11), Mabel_78 (A11), McFly_79 (A6), MiculUcigas_76 (A2), Miko_69 (A2), MinecraftSteve_84 (A15), NaSiaTalie_76 (A2), Nebulosus_81 (A15), Nedarya_79 (A15), Neeharika16_77 (A6), Newrala_77 (A6), NicoleTera_73 (A2), Onglai_75 (A9), Oofda_83 (A15), Petersenfast_72 (A11), Phaeder_77 (A9), Phonnegut_77 (A9), Pioneer_77 (A9), Pomar16_78 (A2), Power_75 (A2), Priya_75 (A9), Qobbit_75 (A9), QueenB2_73 (A2), QueenBeesly_76 (A2), Rachaly_71 (A2), ReMo_82 (A15), Refuge_73 (A12), Remus_84 (A15), Retro23_76 (A2), Rifter_78 (A6), Roksolana_78 (A6), Rosalind_82 (A15), RyeScarlet_78 (A9), Sachima_73 (A9), Salz_73 (A11), SemperFi_76 (A2), Serenity_79 (A2), SheaKeira_71 (A9), Smeagan_78 (A2), SmellyB_78 (A6), SnapTap_75 (A2), Snape_78 (A11), SororFago_77 (A14), Soups_83 (A15), Spouty_75 (A9), StarStuff_78 (A2), Steamy_70 (A12), Strosahl_84 (A15), Sunhee_77 (A14), SuperCallie99_75 (A6), Superchunk_78 (A2), SweetiePie_75 (A2), Timothy_78 (A11), TopsytheTRex_75 (A2), Toaka_77 (A9), Tomathan_78 (A2), ToneTone_75 (A6), Travvers_77 (A2), Trixie_75 (A2), Trooper_75 (A2), Tubs_77 (A9), Tucker_78 (A6), Updawg_76 (A2), VA6_75 (A2), Vanisoa_74 (A9), VohminGhazi_78 (A6), Waits_83 (A15), WeiHuaDA_76 (A2), Whabigail7_76 (A2), WideWale_76 (A2), Wiks_77 (A6), Yecey3_79 (A9), Yokurt_77 (A6),

Start 79:

- Found in 10 of 775 (1.3%) of genes in pham
- Manual Annotations of this start: 1 of 724
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Anthony_73 (A20),

Start 81:

- Found in 3 of 775 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 724
- Called 33.3% of time when present
- Phage (with cluster) where this start called: Odin_77 (A2),

Start 82:

- Found in 23 of 775 (3.0%) of genes in pham
- Manual Annotations of this start: 23 of 724
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alatin_57 (CA), AngryOrchard_55 (CA), AppleCloud_55 (CA), Belenaria_59 (CA), Bonanza_59 (CA), CosmicSans_58 (CA), Dinger_57 (CA), Espica_59 (CA), Harlequin_57 (CA), Hiro_58 (CA), Jester_57 (CA), Krishelle_58 (CA), Lillie_58 (CA), Naiad_57 (CA), Natosaleda_57 (CA), Partridge_57 (CA), PhailMary_57 (CA), RexFury_57 (CA), Rhodalysa_58 (CA), Shuman_59 (CA),

StCroix_57 (CA), TWAMP_58 (CA), Yoncess_57 (CA),

Start 83:

- Found in 17 of 775 (2.2%) of genes in pham
- Manual Annotations of this start: 3 of 724
- Called 17.6% of time when present
- Phage (with cluster) where this start called: Astraea_48 (C1), BadAgartude_49 (C1), EasyJones_49 (C1),

Start 84:

- Found in 3 of 775 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 724
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DroogsArmy_69 (A7), HINdeR_70 (A7), Timshel_71 (A7),

Start 85:

- Found in 149 of 775 (19.2%) of genes in pham
- Manual Annotations of this start: 137 of 724
- Called 97.3% of time when present
- Phage (with cluster) where this start called: Abdiel_70 (A4), Albee_70 (A4), Alberto7_71 (A4), Aminay_81 (K7), Annyong_69 (A4), Arturo_67 (A4), Avle17_70 (A4), Baby16_70 (A4), BabyRay_74 (A3), BangNhom_68 (A4), Bartimeaus_70 (A4), BellusTerra_71 (A4), Blackmoor_69 (A4), Bombshell_70 (A4), Broseidon_70 (A4), Bruiser_69 (A4), BubbleTrouble_69 (A4), Bugatti_73 (A3), Burger_68 (A4), Caelakin_69 (A4), Camperdownii_68 (A4), CentreCat_70 (A4), Cerulean_71 (A4), ChampagnePapi_72 (A4), Chaph_70 (A4), Cindaradix_66 (A4), Cintron_70 (A4), Citius_70 (A4), Clarenza_69 (A4), Cocoaberry_70 (A4), Commander_68 (A4), Connomayer_70 (A4), Deano_67 (A4), Dhanush_70 (A4), DirtyDunning_69 (A4), DontArgue_67 (A10), DropBear_71 (A3), Druantia_69 (A4), Eagle_69 (A4), Eapen_70 (A4), Eris_69 (A4), Eros_70 (A4), Eurydice_71 (A4), Florean_70 (A4), Flux_70 (A4), FlyCatcher_75 (A7), Fred313_71 (A3), Funston_69 (A4), Gadost_70 (A4), Giroux_72 (A3), HamSlice_66 (A4), Happiness_69 (A4), HelDan_73 (A3), Holli_69 (A4), Hookmount_73 (A3), Houdini22_69 (A4), ICleared_69 (A4), Iceman_69 (A4), Idleandcovert_74 (A3), Iracema64_70 (A4), Isca_71 (A3), Jaykayelowell_67 (A4), JetBlade_70 (A4), JoongJeon_69 (A4), KFPoly_69 (A4), Kampy_69 (A4), Kimona_69 (A19), Kingmustik0402_70 (A4), Koreni_69 (A4), Kratark_69 (A4), Kremtemulon_69 (A4), Kyee_70 (A4), LHTSCC_72 (A4), Lambert1_73 (A3), LappelDuVide_70 (A4), Lemur_70 (A4), LeoAvram_69 (A4), LittleB_70 (A4), LittleGuy_70 (A4), LochMonster_71 (A4), Lorenzo_70 (A4), Lunsford_70 (A4), Margo_73 (A3), Maverick_69 (A4), Mazhar510_70 (A4), Medusa_70 (A4), MeeZee_69 (A4), Melvin_72 (A4), Millski_69 (A4), Nebs_71 (A4), Nemo27_69 (A4), Norbert_69 (A3), NorthStar_68 (A4), NotAPhaseMom_69 (A4), Nyxis_69 (A4), OKaNui_69 (A4), Obama12_71 (A4), Ohfah_71 (A4), PP_72 (A7), Palestino_69 (A4), Panamaxus_71 (A3), Peaches_68 (A4), PeterPeter_70 (A4), Phacado_70 (A4), Phelipe_71 (A4), Phighter1804_70 (A4), Phontbonne_70 (A4), Pipcraft_67 (A4), Pocahontas_72 (A3), Polymorphads_70 (A4), Popcicle_73 (A3), Pumbaa_70 (A4), QuinnKiro_72 (A3), Relief_69 (A4), ResDef_71 (A3), Romney_69 (A4), Roosevelt_68 (A4), Rosa24_67 (A4), Ruin_70 (A4), Sabertooth_70 (A4), SaturnRing_73 (A3), Scamp_70 (A4), Scout_72 (A3), Shaka_68 (A4), Sheen_74 (A7), SheldonCooper_70 (A4), Skipitt_69 (A4), Sparxx_71 (A4), Spino_69 (A4), TNguyen7_74 (A3), Taquarus_69 (A4), Texage_71 (A3), Thanksgivukkah_69 (A4), TinaFeyge_68 (A4), Tinybot_69 (A4), TiroTheta9_69 (A4), Todacoro_73 (A3), Toro_73 (A7), TroyPia_71

(A4), TygerBlood_70 (A4), Ulysses_69 (A4), UnionJack_73 (A5), Wander_70 (A4), Wilbur_70 (A4), YoSam321_70 (A4),

Start 86:

- Found in 19 of 775 (2.5%) of genes in pham
- Manual Annotations of this start: 10 of 724
- Called 57.9% of time when present
- Phage (with cluster) where this start called: Bobi_40 (F1), Chupacabra_68 (A10), Eaglepride_73 (A10), Edison31_67 (A10), Goose_71 (A10), KittenMittens_67 (A10), Mova_39 (F1), Ms6_33 (F1), OKCentral2016_68 (A10), Severus_68 (A10), Twister_69 (A10),

Start 87:

- Found in 2 of 775 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 724
- Called 50.0% of time when present
- Phage (with cluster) where this start called: SamScheppers_83 (K4),

Start 88:

- Found in 17 of 775 (2.2%) of genes in pham
- Manual Annotations of this start: 5 of 724
- Called 47.1% of time when present
- Phage (with cluster) where this start called: Drake94_68 (A10), DustyMartin_72 (A10), Kristoff_69 (A10), PeaceMeal1_68 (A10), Rebeuca_71 (A10), Rowdy_72 (A10), Shapes_72 (A10), WalterMcMickey_69 (A10),

Start 90:

- Found in 14 of 775 (1.8%) of genes in pham
- Manual Annotations of this start: 3 of 724
- Called 28.6% of time when present
- Phage (with cluster) where this start called: BlueBird_76 (A3), Heathen_73 (A3), Kachowdy_71 (A3), Puppy_74 (A3),

Start 91:

- Found in 9 of 775 (1.2%) of genes in pham
- Manual Annotations of this start: 2 of 724
- Called 22.2% of time when present
- Phage (with cluster) where this start called: Bombitas_177 (J), Courthouse_190 (J),

Start 93:

- Found in 220 of 775 (28.4%) of genes in pham
- Manual Annotations of this start: 198 of 724
- Called 94.5% of time when present
- Phage (with cluster) where this start called: AFIS_72 (A1), Abbyshoes_75 (A1), Acme_79 (A1), Adahisdi_71 (A1), Aeneas_80 (A1), Agaliana_73 (A1), Ajay_72 (A1), Alice_41 (C1), Altman_78 (A1), Anglerfish_77 (A1), Ariel_194 (J), Arlo_75 (A1), Ashballer_77 (A1), Atkinbua_81 (A1), BPBiEbs31_80 (A1), BaconJack_77 (A1), Barriga_82 (A1), Batiatus_38 (F1), Beatrix_72 (A1), BeesKnees_76 (A1), Bethlehem_78 (A1), Bexan_70 (A1), Big3_76 (A1), BigMau_78 (A1), BillKnuckles_69 (A1), Bipolar_36 (F1), BluSpix_73 (A1), Blue_72 (A1), Bob3_76 (A1), Bones_71 (A1), Briton15_78 (A1), Bruns_78 (A1), Burton_76 (A1), Buttons_72 (A1), Bxb1_69 (A1), CactusRose_78 (A1), Ciao_72 (A1), ConceptII_80 (A1), Corvo_77 (A1), DD5_73 (A1), DLane_38 (F1), Dexes_76 (A1), Doom_68 (A1), DrFeelGood_71 (A1),

DreamCatcher_79 (A1), Dreamboat_75 (A1), Dulcie_76 (A1), Dussy_74 (A1),
 Dynamix_75 (A1), Emma_41 (F1), Espresso_69 (A1), Euphoria_76 (A1), Eyeball_74
 (A1), Fajezeel_78 (A1), Fascinus_71 (A1), Fenn_78 (A1), Flathead_38 (F1),
 Forsytheast_77 (A1), Francis47_77 (A1), Fushigi_69 (A1), GageAP_78 (A1),
 Gandalf20_74 (A1), Gompeii16_76 (A1), Graduation_78 (A1), GrecoEtereo_79 (A1),
 Greg_78 (A1), Gwendoluna_79 (A1), Hami1_68 (A1), HarryOW_76 (A1), Hermia_70
 (A1), HermioneGrange_79 (A1), Homines_63 (A1), Hope4ever_76 (A1), HyRo_222
 (C1), ILeeKay_73 (A1), Ichabod_78 (A1), IgnatiusPatJac_75 (A1), Inyanga_67 (A1),
 JC27_76 (A1), JackSparrow_76 (A1), Jasper_74 (A1), Jerm2_77 (A1), Jorgensen_82
 (A1), Juice456_41 (F1), JuliaChild_76 (A1), JulietS_42 (C1), KSSJEB_72 (A1),
 Kalah2_189 (J), Kanely_77 (A1), Kenuha5_35 (F1), Killigrew_72 (A1), Koguma_43
 (C1), Kugel_77 (A1), KyMonks1A_81 (A1), Kykar_75 (A1), LRRHood_44 (C1),
 Lamina13_79 (A1), Lesedi_72 (A1), Licorice_76 (A1), LilBib_72 (A1), LittleE_195 (J),
 Lockley_72 (A1), Lopton_74 (A1), Lukilu_41 (C1), LunaBlu_42 (F1), MPlant7149_75
 (A1), Magnar_71 (A1), Marcell_68 (A1), Marchy_67 (A1), Marge_72 (A1), Marsha_75
 (A1), MaryBeth_73 (A1), McGuire_75 (A1), Melissauren88_38 (F1), MetalQZJ_72
 (A1), MiaZeal_196 (J), Michley_76 (A1), Mkhuseleli_72 (A1), Molly_75 (A1), Monet_79
 (A1), Moose_77 (A1), Morizzled23_50 (C1), MrGordo_76 (A1), Mryolo_70 (A1),
 Mule_74 (A1), NEHalo_71 (A1), Naira_77 (A1), Nerujay_79 (A1), Nhonho_71 (A1),
 Niza_75 (A1), Ohno789_78 (A1), Oogway_74 (A1), Papez_77 (A1), Paphu_70 (A1),
 Paraselene_73 (A1), Pari_80 (A1), Parliament_76 (A1), PascalRango_73 (A1),
 PattyP_75 (A1), Pelly_78 (A1), Perseus_75 (A1), Petp2012_76 (A1), Phalconet_39
 (F1), PherrisBueller_74 (A1), Phox_45 (C1), PinkPlastic_71 (A1), Pinkcreek_38 (C1),
 Pinto_75 (A1), Pippin_76 (A1), Pita2_76 (A1), Pound_183 (J), ProMouse_75 (A1),
 QTRLifeCrisis_74 (A1), Rabinovich_45 (C1), Rajelicia_77 (A1), Rhynn_71 (A1),
 Rialto_43 (F1), Ringer_75 (A1), Rohr_78 (A1), Ronan_41 (C1), Rubeus_76 (A1),
 Rufus_78 (A1), Ruotula_79 (A1), Rutherferd_77 (A1), STLscum_81 (A1), Sagefire_72
 (A1), Sandaddy_73 (A1), Sanya_70 (A1), Scowl_76 (A1), Seabiscuit_75 (A1),
 Seanderson_75 (A1), Shaqnato_43 (C1), ShortQueendom_68 (A1), Sibs6_75 (A1),
 Slagathor_76 (A1), Smeagol_78 (A1), Snazzy_76 (A1), Solon_71 (A1), Sorpresa_74
 (A1), SpikeBT_72 (A1), Squee_76 (A1), Squint_188 (J), StAnnes_38 (F1),
 StrongArm_71 (A1), Stubby_43 (C1), Sumter_72 (A1), Sunshine924_76 (A1),
 Superphikiman_191 (J), SwissCheese_79 (A1), Swole_73 (A1), Target_75 (A1),
 Tasp14_74 (A1), Teodoridan_72 (A1), TheloniousMonk_77 (A1), Topgun_71 (A1),
 Traft412_75 (A1), Treddle_77 (A1), Tripl3t_78 (A1), TwoPeat_75 (A1), U2_69 (A1),
 Violet_70 (A1), Watermelon_78 (A1), Wheeler_79 (A1), Wilkins_72 (A1),
 Yassified_45 (C1), Zeeculate_71 (A1), Zephyr_77 (A1), Zeuska_77 (A1),

Start 97:

- Found in 12 of 775 (1.5%) of genes in pham
- Manual Annotations of this start: 9 of 724
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Astro_84 (A8), Danforth_85 (A8),
 Dixon_83 (A8), Groundhog_82 (A8), MyraDee_73 (A18), NearlyHeadless_85 (A8),
 Saintus_80 (A8), Smeadley_84 (A8), Stephig9_83 (A8),

Start 98:

- Found in 1 of 775 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 724
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Stasia_69 (A4),

Start 99:

- Found in 74 of 775 (9.5%) of genes in pham
- Manual Annotations of this start: 68 of 724
- Called 95.9% of time when present
- Phage (with cluster) where this start called: ACFishhook_76 (A3), Aglet_80 (A3), Anubis_82 (A3), AugsMagnumOpus_82 (A3), Beauxregard13_78 (A3), BreSam8_79 (A3), Calvinny_76 (A3), Colbster_75 (A3), Cullens_79 (A3), Daishi_78 (A3), Dieselweasel_79 (A3), EpicPhail_80 (A3), Farber_79 (A3), Fernando_79 (A3), Gemma_76 (A3), GingkoMaracino_79 (A3), Grif_77 (A3), Groupthink_79 (A3), Grum1_78 (A3), GtownJaz_79 (A3), HashRod_80 (A3), HaveUMetTed_79 (A3), Heliosoles_76 (A3), Hercules11_79 (A3), JHC117_74 (A3), JenCasNa_80 (A3), JeppNRM_79 (A3), Jobu08_75 (A3), KADY_76 (A3), Kalnoky_79 (A3), LBerry_80 (A3), LarryKay_79 (A3), Lilith_77 (A3), LugYA_82 (A3), MadMarie_77 (A3), Malinsilva_81 (A3), Manu_78 (A3), MarQuardt_79 (A3), Marie_77 (A3), Marius_79 (A3), Methuselah_72 (A3), Microwolf_75 (A3), MoneyMay_78 (A3), MuchMore_82 (A3), OlanP_77 (A3), Ollie_79 (A3), P28Green_79 (A3), PGHhamlin_81 (A3), Pawn_77 (A3), Pembroke_79 (A3), Penny1_79 (A3), PhishRPhriends_75 (A3), Phoebe_80 (A3), Phoxy_79 (A3), PotatoSplit_80 (A3), PurpleHaze_78 (A3), Reba_74 (A3), Rummer_78 (A3), Sabinator_77 (A3), Snickers_75 (A3), SoYo_76 (A3), SoilDragon_78 (A3), Soshari_81 (A3), Spike509_79 (A3), Stagni_76 (A3), StepMih_78 (A3), Taurus_80 (A3), Tiffany_78 (A3), Vix_75 (A3), Watson_78 (A3), Wooldri_81 (A3),

Start 100:

- Found in 20 of 775 (2.6%) of genes in pham
- Manual Annotations of this start: 20 of 724
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AbbysRanger_69 (A4), Achebe_68 (A4), AvatarAhPeg_69 (A4), Backyardigan_67 (A4), Badger_68 (A4), Bumblebee11_68 (A4), Cici_69 (A4), Datway_69 (A4), Katalie136_69 (A4), Miramae_69 (A4), Morpher26_69 (A4), Mundrea_69 (A4), Noelle_70 (A4), Perplexer_69 (A4), PetiteSangsue_69 (A4), Shygu2_69 (A4), Stink_69 (A4), Wile_68 (A4), Wizard007_69 (A4), Xena_68 (A4),

Start 103:

- Found in 24 of 775 (3.1%) of genes in pham
- Manual Annotations of this start: 1 of 724
- Called 4.2% of time when present
- Phage (with cluster) where this start called: LadyBird_79 (A2),

Start 108:

- Found in 433 of 775 (55.9%) of genes in pham
- Manual Annotations of this start: 5 of 724
- Called 1.2% of time when present
- Phage (with cluster) where this start called: Akhila_32 (F1), BigPaolini_73 (A1), MilanaBonita_32 (F1), Pepe_69 (A1), Tote_71 (A1),

Summary by clusters:

There are 27 clusters represented in this pham: K7, K4, A15, A14, A17, A16, A11, A10, A12, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, C1, A, CA, J, A20, F1, F2,

Info for manual annotations of cluster A:

- Start number 78 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A1:

- Start number 67 was manually annotated 2 times for cluster A1.
- Start number 93 was manually annotated 166 times for cluster A1.
- Start number 108 was manually annotated 3 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 58 was manually annotated 1 time for cluster A10.
- Start number 86 was manually annotated 8 times for cluster A10.
- Start number 88 was manually annotated 5 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 72 was manually annotated 4 times for cluster A11.
- Start number 78 was manually annotated 15 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 70 was manually annotated 1 time for cluster A12.
- Start number 72 was manually annotated 1 time for cluster A12.
- Start number 78 was manually annotated 3 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 78 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 78 was manually annotated 17 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 78 was manually annotated 2 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 97 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 85 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 35 was manually annotated 1 time for cluster A2.
- Start number 56 was manually annotated 4 times for cluster A2.
- Start number 59 was manually annotated 1 time for cluster A2.
- Start number 72 was manually annotated 14 times for cluster A2.
- Start number 78 was manually annotated 71 times for cluster A2.
- Start number 81 was manually annotated 1 time for cluster A2.
- Start number 103 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A20:

- Start number 79 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A3:

- Start number 76 was manually annotated 3 times for cluster A3.
- Start number 85 was manually annotated 18 times for cluster A3.
- Start number 90 was manually annotated 3 times for cluster A3.
- Start number 99 was manually annotated 68 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 85 was manually annotated 114 times for cluster A4.
- Start number 98 was manually annotated 1 time for cluster A4.
- Start number 100 was manually annotated 20 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 85 was manually annotated 1 time for cluster A5.

Info for manual annotations of cluster A6:

- Start number 61 was manually annotated 9 times for cluster A6.
- Start number 72 was manually annotated 4 times for cluster A6.
- Start number 78 was manually annotated 23 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 84 was manually annotated 3 times for cluster A7.
- Start number 85 was manually annotated 2 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 74 was manually annotated 3 times for cluster A8.
- Start number 97 was manually annotated 8 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 72 was manually annotated 10 times for cluster A9.
- Start number 78 was manually annotated 22 times for cluster A9.

Info for manual annotations of cluster C1:

- Start number 83 was manually annotated 3 times for cluster C1.
- Start number 93 was manually annotated 13 times for cluster C1.

Info for manual annotations of cluster CA:

- Start number 82 was manually annotated 23 times for cluster CA.

Info for manual annotations of cluster F1:

- Start number 22 was manually annotated 1 time for cluster F1.
- Start number 63 was manually annotated 1 time for cluster F1.
- Start number 73 was manually annotated 13 times for cluster F1.
- Start number 86 was manually annotated 2 times for cluster F1.
- Start number 93 was manually annotated 12 times for cluster F1.
- Start number 108 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster F2:

- Start number 73 was manually annotated 1 time for cluster F2.

Info for manual annotations of cluster J:

- Start number 91 was manually annotated 2 times for cluster J.
- Start number 93 was manually annotated 7 times for cluster J.

Info for manual annotations of cluster K4:

- Start number 40 was manually annotated 1 time for cluster K4.
- Start number 87 was manually annotated 1 time for cluster K4.

Info for manual annotations of cluster K7:

- Start number 85 was manually annotated 1 time for cluster K7.

Gene Information:

Gene: 20ES_77 Start: 45500, Stop: 44928, Start Num: 78

Candidate Starts for 20ES_77:

(Start: 78 @45500 has 158 MA's), (114, 45383), (115, 45374), (118, 45347), (121, 45326), (137, 45224), (140, 45215), (153, 45137), (157, 45098), (164, 45044),

Gene: 40AC_74 Start: 45910, Stop: 45359, Start Num: 78

Candidate Starts for 40AC_74:

(Start: 72 @45922 has 33 MA's), (Start: 78 @45910 has 158 MA's), (102, 45862), (114, 45793), (115, 45784), (118, 45757), (121, 45736), (131, 45682), (137, 45634), (143, 45610), (148, 45583), (149, 45568), (153, 45547), (154, 45544), (157, 45508), (172, 45409),

Gene: ACFishhook_76 Start: 44888, Stop: 44379, Start Num: 99

Candidate Starts for ACFishhook_76:

(Start: 99 @44888 has 68 MA's), (Start: 108 @44852 has 5 MA's), (114, 44801), (115, 44792), (124, 44726), (131, 44690), (137, 44642), (143, 44621), (152, 44561), (153, 44558), (157, 44519), (164, 44456), (172, 44411),

Gene: AFIS_72 Start: 46954, Stop: 46442, Start Num: 93

Candidate Starts for AFIS_72:

(28, 47128), (37, 47095), (53, 47032), (Start: 67 @47011 has 2 MA's), (Start: 93 @46954 has 198 MA's), (Start: 108 @46912 has 5 MA's), (114, 46861), (115, 46852), (121, 46804), (143, 46681), (149, 46639), (176, 46453),

Gene: AN3_77 Start: 44285, Stop: 43713, Start Num: 78

Candidate Starts for AN3_77:

(Start: 78 @44285 has 158 MA's), (Start: 103 @44231 has 1 MA's), (114, 44168), (115, 44159), (121, 44111), (124, 44093), (126, 44084), (137, 44009), (140, 44000), (153, 43922), (157, 43883), (173, 43754), (174, 43745),

Gene: AbbyPaige_77 Start: 45770, Stop: 45195, Start Num: 78

Candidate Starts for AbbyPaige_77:

(7, 46034), (14, 45986), (19, 45974), (Start: 56 @45812 has 4 MA's), (64, 45800), (Start: 72 @45782 has 33 MA's), (Start: 78 @45770 has 158 MA's), (114, 45653), (115, 45644), (121, 45596), (137, 45494), (153, 45407), (157, 45368), (166, 45305),

Gene: AbbysRanger_69 Start: 44366, Stop: 43866, Start Num: 100

Candidate Starts for AbbysRanger_69:

(Start: 100 @44366 has 20 MA's), (114, 44279), (116, 44255), (129, 44174), (131, 44168), (132, 44156), (137, 44117), (141, 44102), (143, 44096), (157, 44000), (166, 43934), (172, 43898),

Gene: Abbysshoes_75 Start: 46207, Stop: 45695, Start Num: 93

Candidate Starts for Abbysshoes_75:

(28, 46381), (37, 46348), (Start: 67 @46264 has 2 MA's), (Start: 93 @46207 has 198 MA's), (Start: 108 @46165 has 5 MA's), (114, 46114), (115, 46105), (121, 46057), (143, 45934), (149, 45892), (169, 45748), (176, 45706),

Gene: Abdiel_70 Start: 44184, Stop: 43672, Start Num: 85

Candidate Starts for Abdiel_70:

(Start: 85 @44184 has 137 MA's), (Start: 108 @44136 has 5 MA's), (114, 44085), (124, 44010), (127, 43986), (129, 43980), (131, 43974), (137, 43923), (143, 43902), (157, 43806), (172, 43704),

Gene: Achebe_68 Start: 44349, Stop: 43849, Start Num: 100

Candidate Starts for Achebe_68:

(Start: 100 @44349 has 20 MA's), (114, 44262), (116, 44238), (129, 44157), (131, 44151), (132, 44139), (137, 44100), (141, 44085), (143, 44079), (157, 43983), (166, 43917), (172, 43881),

Gene: Acme_79 Start: 48278, Stop: 47766, Start Num: 93

Candidate Starts for Acme_79:

(28, 48452), (37, 48419), (Start: 67 @48335 has 2 MA's), (Start: 93 @48278 has 198 MA's), (Start: 108 @48236 has 5 MA's), (114, 48185), (115, 48176), (121, 48128), (143, 48005), (149, 47963), (176, 47777),

Gene: Acolyte_66 Start: 43348, Stop: 42803, Start Num: 78

Candidate Starts for Acolyte_66:

(Start: 72 @43360 has 33 MA's), (Start: 78 @43348 has 158 MA's), (Start: 93 @43321 has 198 MA's), (95, 43318), (114, 43231), (115, 43222), (116, 43207), (121, 43174), (137, 43072), (143, 43048), (149, 43006), (152, 42988), (157, 42946), (164, 42889), (172, 42844),

Gene: Adahisdi_71 Start: 46277, Stop: 45765, Start Num: 93

Candidate Starts for Adahisdi_71:

(28, 46451), (37, 46418), (Start: 67 @46334 has 2 MA's), (Start: 93 @46277 has 198 MA's), (Start: 108 @46235 has 5 MA's), (114, 46184), (115, 46175), (121, 46127), (143, 46004), (149, 45962), (176, 45776),

Gene: Adzzy_80 Start: 45187, Stop: 44639, Start Num: 78

Candidate Starts for Adzzy_80:

(Start: 72 @45199 has 33 MA's), (Start: 78 @45187 has 158 MA's), (114, 45070), (115, 45061), (121, 45013), (124, 44995), (137, 44911), (143, 44887), (149, 44845), (152, 44827), (157, 44785), (172, 44683),

Gene: Aeneas_80 Start: 48566, Stop: 48054, Start Num: 93

Candidate Starts for Aeneas_80:

(28, 48740), (37, 48707), (Start: 67 @48623 has 2 MA's), (Start: 93 @48566 has 198 MA's), (Start: 108 @48524 has 5 MA's), (114, 48473), (115, 48464), (121, 48416), (143, 48293), (149, 48251), (169, 48107), (176, 48065),

Gene: Agaliana_73 Start: 45095, Stop: 44583, Start Num: 93

Candidate Starts for Agaliana_73:

(28, 45269), (37, 45236), (Start: 67 @45152 has 2 MA's), (Start: 93 @45095 has 198 MA's), (Start: 108 @45053 has 5 MA's), (114, 45002), (115, 44993), (121, 44945), (143, 44822), (149, 44780), (176, 44594),

Gene: Agape74_77 Start: 45765, Stop: 45190, Start Num: 78

Candidate Starts for Agape74_77:

(7, 46029), (14, 45981), (19, 45969), (Start: 56 @45807 has 4 MA's), (64, 45795), (Start: 72 @45777 has 33 MA's), (Start: 78 @45765 has 158 MA's), (114, 45648), (115, 45639), (121, 45591), (137, 45489), (153, 45402), (157, 45363), (166, 45300),

Gene: Aglet_80 Start: 45006, Stop: 44497, Start Num: 99

Candidate Starts for Aglet_80:

(Start: 99 @45006 has 68 MA's), (Start: 108 @44970 has 5 MA's), (114, 44919), (115, 44910), (124, 44844), (131, 44808), (137, 44760), (143, 44739), (152, 44679), (153, 44676), (154, 44673), (157, 44637), (164, 44574), (172, 44529),

Gene: Ajay_72 Start: 45478, Stop: 44966, Start Num: 93

Candidate Starts for Ajay_72:

(28, 45652), (37, 45619), (53, 45556), (Start: 67 @45535 has 2 MA's), (Start: 93 @45478 has 198 MA's), (Start: 108 @45436 has 5 MA's), (114, 45385), (115, 45376), (121, 45328), (143, 45205), (149, 45163), (176, 44977),

Gene: Akhila_32 Start: 27185, Stop: 26715, Start Num: 108

Candidate Starts for Akhila_32:

(Start: 93 @27227 has 198 MA's), (Start: 108 @27185 has 5 MA's), (114, 27134), (115, 27125), (121, 27077), (127, 27035), (143, 26954), (149, 26912), (176, 26726),

Gene: Alatin_57 Start: 40202, Stop: 39678, Start Num: 82

Candidate Starts for Alatin_57:

(Start: 82 @40202 has 23 MA's), (106, 40157), (110, 40139), (124, 40025), (131, 39989), (136, 39962), (137, 39941), (143, 39920), (144, 39905), (150, 39875), (151, 39872), (153, 39857), (164, 39761), (166, 39752), (177, 39695),

Gene: Albee_70 Start: 44171, Stop: 43659, Start Num: 85

Candidate Starts for Albee_70:

(Start: 85 @44171 has 137 MA's), (Start: 108 @44123 has 5 MA's), (114, 44072), (124, 43997), (127, 43973), (129, 43967), (131, 43961), (137, 43910), (143, 43889), (153, 43832), (157, 43793), (163, 43739), (172, 43691),

Gene: Alberto7_71 Start: 44508, Stop: 43996, Start Num: 85

Candidate Starts for Alberto7_71:

(Start: 85 @44508 has 137 MA's), (Start: 108 @44460 has 5 MA's), (114, 44409), (124, 44334), (127, 44310), (129, 44304), (131, 44298), (137, 44247), (143, 44226), (153, 44169), (157, 44130), (163, 44076), (172, 44028),

Gene: Alice_41 Start: 14045, Stop: 14557, Start Num: 93

Candidate Starts for Alice_41:

(24, 13856), (Start: 83 @14033 has 3 MA's), (Start: 93 @14045 has 198 MA's), (Start: 108 @14087 has 5 MA's), (114, 14138), (115, 14147), (121, 14195), (127, 14237), (143, 14318), (149, 14360), (176, 14546),

Gene: Alma_75 Start: 44677, Stop: 44141, Start Num: 78

Candidate Starts for Alma_75:

(Start: 72 @44689 has 33 MA's), (Start: 78 @44677 has 158 MA's), (114, 44581), (115, 44572), (116, 44557), (121, 44524), (143, 44401), (144, 44386), (145, 44383), (152, 44341), (153, 44338), (161, 44260), (166, 44230),

Gene: Altman_78 Start: 47286, Stop: 46774, Start Num: 93

Candidate Starts for Altman_78:

(28, 47460), (37, 47427), (Start: 67 @47343 has 2 MA's), (Start: 93 @47286 has 198 MA's), (Start: 108 @47244 has 5 MA's), (114, 47193), (115, 47184), (121, 47136), (137, 47034), (143, 47013), (149, 46971), (169, 46827), (176, 46785),

Gene: Alvin_73 Start: 45755, Stop: 45186, Start Num: 67

Candidate Starts for Alvin_73:

(28, 45872), (37, 45839), (53, 45776), (Start: 67 @45755 has 2 MA's), (Start: 93 @45698 has 198 MA's), (Start: 108 @45656 has 5 MA's), (114, 45605), (115, 45596), (121, 45548), (143, 45425), (149, 45383), (176, 45197),

Gene: Aminay_81 Start: 51706, Stop: 52278, Start Num: 85

Candidate Starts for Aminay_81:

(42, 51604), (Start: 85 @51706 has 137 MA's), (92, 51715), (110, 51769), (115, 51817), (116, 51832), (118, 51844), (127, 51907), (136, 51946), (142, 51985), (151, 52036), (156, 52075), (166, 52147), (180, 52228), (181, 52243), (182, 52246),

Gene: Anaysia_84 Start: 45925, Stop: 45386, Start Num: 78

Candidate Starts for Anaysia_84:

(Start: 78 @45925 has 158 MA's), (107, 45880), (114, 45811), (115, 45802), (121, 45754), (137, 45652), (143, 45631), (159, 45493), (163, 45475), (166, 45463), (172, 45427),

Gene: Aneem_79 Start: 45350, Stop: 44799, Start Num: 78

Candidate Starts for Aneem_79:

(Start: 59 @45392 has 1 MA's), (Start: 72 @45362 has 33 MA's), (Start: 78 @45350 has 158 MA's), (94, 45323), (114, 45233), (116, 45209), (121, 45176), (137, 45074), (143, 45050), (144, 45035), (149, 45008), (153, 44987), (157, 44948), (172, 44849), (179, 44816),

Gene: Anglerfish_77 Start: 47609, Stop: 47097, Start Num: 93

Candidate Starts for Anglerfish_77:

(28, 47783), (37, 47750), (Start: 67 @47666 has 2 MA's), (Start: 93 @47609 has 198 MA's), (Start: 108 @47567 has 5 MA's), (114, 47516), (115, 47507), (121, 47459), (143, 47336), (149, 47294), (176, 47108),

Gene: AngryOrchard_55 Start: 40257, Stop: 39733, Start Num: 82

Candidate Starts for AngryOrchard_55:

(Start: 82 @40257 has 23 MA's), (110, 40194), (124, 40080), (131, 40044), (136, 40017), (137, 39996), (143, 39975), (151, 39927), (164, 39816), (166, 39807), (177, 39750),

Gene: AnnaL29_75 Start: 45761, Stop: 45144, Start Num: 59

Candidate Starts for AnnaL29_75:

(36, 45839), (Start: 56 @45764 has 4 MA's), (Start: 59 @45761 has 1 MA's), (Start: 72 @45734 has 33 MA's), (Start: 78 @45722 has 158 MA's), (114, 45605), (115, 45596), (118, 45569), (121, 45548), (137, 45446), (140, 45437), (150, 45377), (153, 45359), (157, 45320),

Gene: Annyong_69 Start: 44216, Stop: 43704, Start Num: 85

Candidate Starts for Annyong_69:

(Start: 85 @44216 has 137 MA's), (Start: 108 @44168 has 5 MA's), (114, 44117), (124, 44042), (127, 44018), (129, 44012), (131, 44006), (137, 43955), (143, 43934), (153, 43877), (157, 43838), (172, 43736),

Gene: Anon_80 Start: 45240, Stop: 44707, Start Num: 78

Candidate Starts for Anon_80:

(Start: 59 @45279 has 1 MA's), (Start: 78 @45240 has 158 MA's), (107, 45183), (113, 45141), (118, 45096), (121, 45075), (124, 45057), (137, 44973), (143, 44952), (149, 44910), (154, 44886), (163, 44796), (166, 44784), (172, 44748), (179, 44715),

Gene: Anselm_77 Start: 45836, Stop: 45258, Start Num: 78

Candidate Starts for Anselm_77:

(Start: 56 @45878 has 4 MA's), (64, 45866), (Start: 72 @45848 has 33 MA's), (Start: 78 @45836 has 158 MA's), (114, 45719), (115, 45710), (121, 45662), (137, 45560), (150, 45491), (153, 45473), (156, 45443), (157, 45434), (166, 45371),

Gene: Anthony_73 Start: 44766, Stop: 44242, Start Num: 79

Candidate Starts for Anthony_73:

(Start: 79 @44766 has 1 MA's), (104, 44721), (110, 44697), (114, 44658), (125, 44580), (127, 44559), (131, 44547), (137, 44499), (143, 44478), (152, 44418), (153, 44415), (154, 44412), (157, 44376), (166, 44310), (172, 44274),

Gene: Anubis_82 Start: 44892, Stop: 44383, Start Num: 99

Candidate Starts for Anubis_82:

(Start: 99 @44892 has 68 MA's), (Start: 108 @44856 has 5 MA's), (114, 44805), (115, 44796), (124, 44730), (131, 44694), (137, 44646), (143, 44625), (152, 44565), (153, 44562), (154, 44559), (157, 44523), (164, 44460), (172, 44415),

Gene: AppleCloud_55 Start: 39917, Stop: 39393, Start Num: 82

Candidate Starts for AppleCloud_55:

(Start: 82 @39917 has 23 MA's), (106, 39872), (110, 39854), (124, 39740), (131, 39704), (136, 39677), (137, 39656), (143, 39635), (144, 39620), (150, 39590), (151, 39587), (164, 39476), (166, 39467), (177, 39410),

Gene: ArcherNM_69 Start: 45032, Stop: 44412, Start Num: 56

Candidate Starts for ArcherNM_69:

(Start: 56 @45032 has 4 MA's), (Start: 72 @45002 has 33 MA's), (Start: 78 @44990 has 158 MA's), (114, 44873), (115, 44864), (121, 44816), (137, 44714), (140, 44705), (150, 44645), (153, 44627), (157, 44588),

Gene: Ariel_194 Start: 94262, Stop: 93750, Start Num: 93

Candidate Starts for Ariel_194:

(8, 94553), (30, 94424), (46, 94367), (49, 94358), (Start: 79 @94286 has 1 MA's), (Start: 91 @94265 has 2 MA's), (Start: 93 @94262 has 198 MA's), (Start: 108 @94220 has 5 MA's), (114, 94169), (115, 94160), (121, 94112), (127, 94070), (143, 93989), (149, 93947), (176, 93761),

Gene: Arissanae_74 Start: 45012, Stop: 44470, Start Num: 72

Candidate Starts for Arissanae_74:

(Start: 72 @45012 has 33 MA's), (Start: 78 @45000 has 158 MA's), (114, 44904), (116, 44880), (121, 44847), (143, 44724), (152, 44664), (153, 44661), (157, 44622), (162, 44580), (163, 44565),

Gene: Arlo_75 Start: 47001, Stop: 46489, Start Num: 93

Candidate Starts for Arlo_75:

(28, 47175), (37, 47142), (Start: 67 @47058 has 2 MA's), (Start: 93 @47001 has 198 MA's), (Start: 108 @46959 has 5 MA's), (114, 46908), (115, 46899), (121, 46851), (137, 46749), (143, 46728), (149, 46686), (169, 46542), (176, 46500),

Gene: Artemis2UCLA_77 Start: 43914, Stop: 43363, Start Num: 61

Candidate Starts for Artemis2UCLA_77:

(Start: 61 @43914 has 9 MA's), (Start: 72 @43890 has 33 MA's), (Start: 78 @43878 has 158 MA's), (114, 43791), (121, 43734), (137, 43632), (143, 43611), (153, 43548), (157, 43509), (164, 43455), (166, 43446), (178, 43383),

Gene: Arturo_67 Start: 44298, Stop: 43786, Start Num: 85

Candidate Starts for Arturo_67:

(Start: 85 @44298 has 137 MA's), (Start: 108 @44250 has 5 MA's), (114, 44199), (124, 44124), (127, 44100), (129, 44094), (131, 44088), (137, 44037), (143, 44016), (153, 43959), (157, 43920), (172, 43818),

Gene: Ashballer_77 Start: 47054, Stop: 46542, Start Num: 93

Candidate Starts for Ashballer_77:

(28, 47228), (37, 47195), (Start: 67 @47111 has 2 MA's), (Start: 93 @47054 has 198 MA's), (Start: 108 @47012 has 5 MA's), (114, 46961), (115, 46952), (121, 46904), (143, 46781), (149, 46739), (176, 46553),

Gene: Astraea_48 Start: 15429, Stop: 15953, Start Num: 83

Candidate Starts for Astraea_48:

(24, 15252), (Start: 83 @15429 has 3 MA's), (Start: 93 @15441 has 198 MA's), (Start: 108 @15483 has 5 MA's), (114, 15534), (115, 15543), (121, 15591), (127, 15633), (143, 15714), (149, 15756), (176, 15942),

Gene: Astro_84 Start: 46044, Stop: 45541, Start Num: 97

Candidate Starts for Astro_84:

(Start: 74 @46083 has 3 MA's), (Start: 97 @46044 has 9 MA's), (104, 46020), (110, 45996), (114, 45957), (123, 45885), (125, 45879), (127, 45858), (131, 45846), (143, 45777), (157, 45675), (169, 45591), (172, 45573), (174, 45561),

Gene: Atkinbua_81 Start: 47613, Stop: 47101, Start Num: 93

Candidate Starts for Atkinbua_81:

(28, 47787), (37, 47754), (Start: 67 @47670 has 2 MA's), (Start: 93 @47613 has 198 MA's), (Start: 108 @47571 has 5 MA's), (114, 47520), (115, 47511), (121, 47463), (143, 47340), (149, 47298), (176, 47112),

Gene: AugsMagnumOpus_82 Start: 44994, Stop: 44485, Start Num: 99

Candidate Starts for AugsMagnumOpus_82:

(Start: 76 @45030 has 3 MA's), (Start: 99 @44994 has 68 MA's), (Start: 108 @44958 has 5 MA's), (114, 44907), (115, 44898), (124, 44832), (131, 44796), (137, 44748), (143, 44727), (152, 44667), (153, 44664), (154, 44661), (157, 44625), (164, 44562), (172, 44517),

Gene: AvatarAhPeg_69 Start: 44245, Stop: 43745, Start Num: 100

Candidate Starts for AvatarAhPeg_69:

(Start: 100 @44245 has 20 MA's), (114, 44158), (116, 44134), (121, 44101), (129, 44053), (131, 44047), (132, 44035), (137, 43996), (143, 43975), (157, 43879), (172, 43777),

Gene: Avle17_70 Start: 44165, Stop: 43653, Start Num: 85

Candidate Starts for Avle17_70:

(Start: 85 @44165 has 137 MA's), (Start: 108 @44117 has 5 MA's), (114, 44066), (124, 43991), (127, 43967), (129, 43961), (131, 43955), (137, 43904), (143, 43883), (153, 43826), (157, 43787), (172, 43685),

Gene: BABullseye_71 Start: 42519, Stop: 42004, Start Num: 78

Candidate Starts for BABullseye_71:

(Start: 72 @42531 has 33 MA's), (Start: 78 @42519 has 158 MA's), (114, 42432), (115, 42423), (121, 42375), (137, 42273), (143, 42252), (146, 42231), (153, 42189), (157, 42150),

Gene: BPBiabs31_80 Start: 48113, Stop: 47601, Start Num: 93

Candidate Starts for BPBiabs31_80:

(17, 48350), (28, 48287), (37, 48254), (Start: 67 @48170 has 2 MA's), (Start: 93 @48113 has 198 MA's), (Start: 108 @48071 has 5 MA's), (114, 48020), (115, 48011), (121, 47963), (143, 47840), (149, 47798), (176, 47612),

Gene: Baby16_70 Start: 44182, Stop: 43670, Start Num: 85

Candidate Starts for Baby16_70:

(Start: 85 @44182 has 137 MA's), (Start: 108 @44134 has 5 MA's), (114, 44083), (124, 44008), (127, 43984), (129, 43978), (131, 43972), (137, 43921), (143, 43900), (153, 43843), (157, 43804), (163, 43750), (172, 43702),

Gene: BabyBack_72 Start: 45412, Stop: 44843, Start Num: 78

Candidate Starts for BabyBack_72:

(21, 45607), (23, 45586), (24, 45577), (26, 45562), (Start: 72 @45424 has 33 MA's), (Start: 78 @45412 has 158 MA's), (94, 45385), (114, 45295), (121, 45238), (137, 45136), (149, 45070), (153, 45049), (157, 45010), (170, 44905), (174, 44881),

Gene: BabyRay_74 Start: 44621, Stop: 44109, Start Num: 85

Candidate Starts for BabyRay_74:

(80, 44630), (Start: 85 @44621 has 137 MA's), (Start: 90 @44615 has 3 MA's), (114, 44522), (124, 44447), (127, 44423), (129, 44417), (132, 44399), (137, 44360), (143, 44339), (157, 44243), (164, 44186), (172, 44141),

Gene: Bachome_76 Start: 44229, Stop: 43678, Start Num: 78

Candidate Starts for Bachome_76:

(Start: 59 @44271 has 1 MA's), (Start: 72 @44241 has 33 MA's), (Start: 78 @44229 has 158 MA's), (94, 44202), (114, 44112), (116, 44088), (121, 44055), (137, 43953), (143, 43929), (144, 43914), (149, 43887), (157, 43827), (172, 43728), (179, 43695),

Gene: Backyardigan_67 Start: 44382, Stop: 43882, Start Num: 100

Candidate Starts for Backyardigan_67:

(Start: 100 @44382 has 20 MA's), (114, 44295), (116, 44271), (129, 44190), (131, 44184), (132, 44172), (137, 44133), (141, 44118), (143, 44112), (157, 44016), (166, 43950), (172, 43914),

Gene: BaconJack_77 Start: 48268, Stop: 47756, Start Num: 93

Candidate Starts for BaconJack_77:

(28, 48442), (37, 48409), (Start: 67 @48325 has 2 MA's), (Start: 93 @48268 has 198 MA's), (Start: 108 @48226 has 5 MA's), (114, 48175), (115, 48166), (121, 48118), (143, 47995), (149, 47953), (176, 47767),

Gene: Bactobuster_68 Start: 45050, Stop: 44505, Start Num: 78

Candidate Starts for Bactobuster_68:

(Start: 72 @45062 has 33 MA's), (Start: 78 @45050 has 158 MA's), (114, 44933), (121, 44876), (129, 44828), (137, 44774), (153, 44687), (157, 44648), (172, 44549),

Gene: BadAgartude_49 Start: 16114, Stop: 16638, Start Num: 83

Candidate Starts for BadAgartude_49:

(24, 15937), (Start: 83 @16114 has 3 MA's), (Start: 93 @16126 has 198 MA's), (Start: 108 @16168 has 5 MA's), (114, 16219), (115, 16228), (121, 16276), (127, 16318), (143, 16399), (149, 16441), (176, 16627),

Gene: Badger_68 Start: 44350, Stop: 43850, Start Num: 100

Candidate Starts for Badger_68:

(Start: 100 @44350 has 20 MA's), (114, 44263), (116, 44239), (129, 44158), (131, 44152), (132, 44140), (137, 44101), (141, 44086), (143, 44080), (157, 43984), (166, 43918), (172, 43882),

Gene: Baehexic_74 Start: 45162, Stop: 44587, Start Num: 78

Candidate Starts for Baehexic_74:

(Start: 56 @45204 has 4 MA's), (64, 45192), (Start: 72 @45174 has 33 MA's), (Start: 78 @45162 has 158 MA's), (114, 45045), (115, 45036), (118, 45009), (121, 44988), (137, 44886), (149, 44820), (153, 44799), (157, 44760), (166, 44697),

Gene: BangNhom_68 Start: 44607, Stop: 44095, Start Num: 85

Candidate Starts for BangNhom_68:

(Start: 85 @44607 has 137 MA's), (Start: 108 @44559 has 5 MA's), (114, 44508), (124, 44433), (127, 44409), (131, 44397), (137, 44346), (143, 44325), (153, 44268), (172, 44127),

Gene: Barriga_82 Start: 47008, Stop: 46496, Start Num: 93

Candidate Starts for Barriga_82:

(32, 47167), (Start: 67 @47065 has 2 MA's), (Start: 93 @47008 has 198 MA's), (Start: 108 @46966 has 5 MA's), (114, 46915), (115, 46906), (121, 46858), (143, 46735), (149, 46693), (176, 46507),

Gene: Bartimeaus_70 Start: 44173, Stop: 43661, Start Num: 85

Candidate Starts for Bartimeaus_70:

(Start: 85 @44173 has 137 MA's), (Start: 108 @44125 has 5 MA's), (114, 44074), (124, 43999), (127, 43975), (129, 43969), (131, 43963), (137, 43912), (143, 43891), (153, 43834), (157, 43795), (163, 43741), (172, 43693),

Gene: Batiatus_38 Start: 31135, Stop: 30623, Start Num: 93

Candidate Starts for Batiatus_38:

(Start: 63 @31195 has 1 MA's), (Start: 93 @31135 has 198 MA's), (Start: 108 @31093 has 5 MA's), (114, 31042), (115, 31033), (121, 30985), (127, 30943), (143, 30862), (149, 30820), (176, 30634),

Gene: Battleship_86 Start: 45780, Stop: 45259, Start Num: 78

Candidate Starts for Battleship_86:

(Start: 78 @45780 has 158 MA's), (107, 45735), (114, 45684), (115, 45675), (121, 45627), (137, 45525), (143, 45504), (159, 45366), (163, 45348), (166, 45336), (172, 45300),

Gene: Beatrix_72 Start: 46273, Stop: 45761, Start Num: 93

Candidate Starts for Beatrix_72:

(28, 46447), (37, 46414), (Start: 67 @46330 has 2 MA's), (Start: 93 @46273 has 198 MA's), (Start: 108 @46231 has 5 MA's), (114, 46180), (115, 46171), (121, 46123), (143, 46000), (149, 45958), (176, 45772),

Gene: Beauxregard13_78 Start: 45009, Stop: 44500, Start Num: 99

Candidate Starts for Beauxregard13_78:

(Start: 99 @45009 has 68 MA's), (Start: 108 @44973 has 5 MA's), (114, 44922), (115, 44913), (124, 44847), (131, 44811), (137, 44763), (143, 44742), (152, 44682), (153, 44679), (154, 44676), (157, 44640), (164, 44577), (172, 44532),

Gene: Beemo_77 Start: 44717, Stop: 44181, Start Num: 78

Candidate Starts for Beemo_77:

(Start: 72 @44729 has 33 MA's), (Start: 78 @44717 has 158 MA's), (114, 44621), (115, 44612), (116, 44597), (121, 44564), (143, 44441), (144, 44426), (145, 44423), (152, 44381), (153, 44378), (161, 44300),

Gene: BeesKnees_76 Start: 45376, Stop: 44864, Start Num: 93

Candidate Starts for BeesKnees_76:

(28, 45550), (37, 45517), (Start: 67 @45433 has 2 MA's), (Start: 93 @45376 has 198 MA's), (Start: 108 @45334 has 5 MA's), (114, 45283), (115, 45274), (121, 45226), (143, 45103), (149, 45061), (176, 44875),

Gene: Belenaria_59 Start: 40065, Stop: 39541, Start Num: 82

Candidate Starts for Belenaria_59:

(Start: 82 @40065 has 23 MA's), (106, 40020), (110, 40002), (124, 39888), (131, 39852), (136, 39825), (137, 39804), (143, 39783), (144, 39768), (150, 39738), (151, 39735), (164, 39624), (166, 39615), (177, 39558),

Gene: BellusTerra_71 Start: 44211, Stop: 43699, Start Num: 85

Candidate Starts for BellusTerra_71:

(Start: 85 @44211 has 137 MA's), (Start: 108 @44163 has 5 MA's), (114, 44112), (124, 44037), (127, 44013), (131, 44001), (137, 43950), (143, 43929), (153, 43872), (163, 43779), (172, 43731),

Gene: BengiVuitton_75 Start: 45458, Stop: 44883, Start Num: 78

Candidate Starts for BengiVuitton_75:

(64, 45488), (Start: 72 @45470 has 33 MA's), (Start: 78 @45458 has 158 MA's), (114, 45341), (115, 45332), (118, 45305), (121, 45284), (122, 45278), (137, 45182), (140, 45173), (153, 45095), (157, 45056), (173, 44927), (174, 44918),

Gene: Benvolio_73 Start: 45053, Stop: 44478, Start Num: 78

Candidate Starts for Benvolio_73:

(Start: 78 @45053 has 158 MA's), (Start: 103 @44999 has 1 MA's), (114, 44936), (115, 44927), (118, 44900), (121, 44879), (137, 44777), (140, 44768), (153, 44690), (157, 44651), (173, 44522), (174, 44513),

Gene: Bethlehem_78 Start: 49153, Stop: 48641, Start Num: 93

Candidate Starts for Bethlehem_78:

(17, 49390), (28, 49327), (37, 49294), (Start: 67 @49210 has 2 MA's), (Start: 93 @49153 has 198 MA's), (Start: 108 @49111 has 5 MA's), (114, 49060), (115, 49051), (121, 49003), (143, 48880), (149, 48838), (176, 48652),

Gene: Bexan_70 Start: 46047, Stop: 45535, Start Num: 93

Candidate Starts for Bexan_70:

(28, 46221), (37, 46188), (Start: 67 @46104 has 2 MA's), (Start: 93 @46047 has 198 MA's), (Start: 108 @46005 has 5 MA's), (114, 45954), (115, 45945), (121, 45897), (143, 45774), (149, 45732), (176, 45546),

Gene: BiancaTri92_74 Start: 45410, Stop: 44838, Start Num: 78

Candidate Starts for BiancaTri92_74:

(Start: 72 @45422 has 33 MA's), (Start: 78 @45410 has 158 MA's), (94, 45383), (114, 45293), (121, 45236), (126, 45209), (137, 45134), (149, 45068), (153, 45047), (157, 45008), (164, 44954), (172, 44882),

Gene: Big3_76 Start: 48080, Stop: 47568, Start Num: 93

Candidate Starts for Big3_76:

(28, 48254), (37, 48221), (Start: 67 @48137 has 2 MA's), (Start: 93 @48080 has 198 MA's), (Start: 108 @48038 has 5 MA's), (114, 47987), (115, 47978), (121, 47930), (143, 47807), (149, 47765), (176, 47579),

Gene: BigMau_78 Start: 47862, Stop: 47350, Start Num: 93

Candidate Starts for BigMau_78:

(Start: 67 @47919 has 2 MA's), (Start: 93 @47862 has 198 MA's), (Start: 108 @47820 has 5 MA's), (114, 47769), (115, 47760), (121, 47712), (137, 47610), (143, 47589), (149, 47547), (169, 47403), (176, 47361),

Gene: BigPaolini_73 Start: 45203, Stop: 44733, Start Num: 108

Candidate Starts for BigPaolini_73:

(Start: 108 @45203 has 5 MA's), (114, 45152), (115, 45143), (121, 45095), (127, 45053), (143, 44972), (149, 44930), (176, 44744),

Gene: BillKnuckles_69 Start: 46250, Stop: 45738, Start Num: 93

Candidate Starts for BillKnuckles_69:

(28, 46424), (37, 46391), (Start: 67 @46307 has 2 MA's), (Start: 93 @46250 has 198 MA's), (Start: 108 @46208 has 5 MA's), (114, 46157), (115, 46148), (121, 46100), (127, 46058), (143, 45977), (149, 45935), (176, 45749),

Gene: Bipolar_36 Start: 30223, Stop: 29711, Start Num: 93

Candidate Starts for Bipolar_36:

(43, 30334), (Start: 93 @30223 has 198 MA's), (Start: 108 @30181 has 5 MA's), (114, 30130), (115, 30121), (121, 30073), (127, 30031), (143, 29950), (149, 29908), (176, 29722),

Gene: Blackmoor_69 Start: 44173, Stop: 43661, Start Num: 85

Candidate Starts for Blackmoor_69:

(Start: 85 @44173 has 137 MA's), (Start: 108 @44125 has 5 MA's), (114, 44074), (124, 43999), (127, 43975), (129, 43969), (131, 43963), (137, 43912), (143, 43891), (153, 43834), (157, 43795), (163, 43741), (172, 43693),

Gene: BluSpix_73 Start: 41802, Stop: 41290, Start Num: 93

Candidate Starts for BluSpix_73:

(28, 41976), (37, 41943), (Start: 67 @41859 has 2 MA's), (Start: 93 @41802 has 198 MA's), (Start: 108 @41760 has 5 MA's), (114, 41709), (115, 41700), (121, 41652), (143, 41529), (149, 41487), (176, 41301),

Gene: Blue_72 Start: 46154, Stop: 45642, Start Num: 93

Candidate Starts for Blue_72:

(28, 46328), (37, 46295), (53, 46232), (Start: 67 @46211 has 2 MA's), (Start: 93 @46154 has 198 MA's), (Start: 108 @46112 has 5 MA's), (114, 46061), (115, 46052), (121, 46004), (143, 45881), (149, 45839), (176, 45653),

Gene: Blue7_79 Start: 44134, Stop: 43583, Start Num: 61

Candidate Starts for Blue7_79:

(Start: 61 @44134 has 9 MA's), (Start: 72 @44110 has 33 MA's), (Start: 78 @44098 has 158 MA's), (Start: 103 @44074 has 1 MA's), (114, 44011), (121, 43954), (137, 43852), (143, 43831), (153, 43768), (157, 43729), (164, 43675), (166, 43666), (178, 43603),

Gene: BlueBird_76 Start: 44686, Stop: 44180, Start Num: 90

Candidate Starts for BlueBird_76:

(80, 44701), (Start: 85 @44692 has 137 MA's), (Start: 90 @44686 has 3 MA's), (114, 44593), (124, 44518), (127, 44494), (129, 44488), (132, 44470), (137, 44431), (141, 44416), (143, 44410), (157, 44314), (164, 44257), (172, 44212),

Gene: Bob3_76 Start: 47130, Stop: 46618, Start Num: 93

Candidate Starts for Bob3_76:

(28, 47304), (37, 47271), (Start: 67 @47187 has 2 MA's), (Start: 93 @47130 has 198 MA's), (Start: 108 @47088 has 5 MA's), (114, 47037), (115, 47028), (121, 46980), (137, 46878), (143, 46857), (149, 46815), (169, 46671), (176, 46629),

Gene: BobSwaget_68 Start: 43285, Stop: 42713, Start Num: 78

Candidate Starts for BobSwaget_68:

(Start: 72 @43297 has 33 MA's), (Start: 78 @43285 has 158 MA's), (94, 43258), (114, 43168), (115, 43159), (116, 43144), (121, 43111), (124, 43093), (130, 43060), (137, 43009), (149, 42943), (157, 42883), (170, 42778), (179, 42733),

Gene: Bobi_40 Start: 31847, Stop: 31335, Start Num: 86

Candidate Starts for Bobi_40:

(10, 32105), (15, 32081), (Start: 86 @31847 has 10 MA's), (Start: 108 @31805 has 5 MA's), (114, 31754), (115, 31745), (121, 31697), (127, 31655), (143, 31574), (149, 31532), (176, 31346),

Gene: BogosyJay_77 Start: 44961, Stop: 44413, Start Num: 72

Candidate Starts for BogosyJay_77:

(Start: 72 @44961 has 33 MA's), (Start: 78 @44949 has 158 MA's), (110, 44892), (114, 44853), (116, 44829), (121, 44796), (143, 44673), (145, 44655), (152, 44613), (153, 44610), (157, 44571), (164, 44511), (166, 44502),

Gene: Bombitas_177 Start: 94010, Stop: 93495, Start Num: 91

Candidate Starts for Bombitas_177:

(8, 94298), (30, 94169), (46, 94112), (49, 94103), (Start: 79 @94031 has 1 MA's), (Start: 91 @94010 has 2 MA's), (Start: 93 @94007 has 198 MA's), (Start: 108 @93965 has 5 MA's), (114, 93914), (115, 93905), (121, 93857), (127, 93815), (143, 93734), (149, 93692), (176, 93506),

Gene: Bombshell_70 Start: 44168, Stop: 43656, Start Num: 85

Candidate Starts for Bombshell_70:

(Start: 85 @44168 has 137 MA's), (Start: 108 @44120 has 5 MA's), (114, 44069), (124, 43994), (127, 43970), (129, 43964), (131, 43958), (137, 43907), (143, 43886), (153, 43829), (157, 43790), (172, 43688),

Gene: Bonanza_59 Start: 40477, Stop: 39953, Start Num: 82

Candidate Starts for Bonanza_59:

(Start: 82 @40477 has 23 MA's), (106, 40432), (110, 40414), (124, 40300), (131, 40264), (136, 40237), (137, 40216), (143, 40195), (151, 40147), (164, 40036), (166, 40027), (177, 39970),

Gene: Bones_71 Start: 46436, Stop: 45924, Start Num: 93

Candidate Starts for Bones_71:

(28, 46610), (37, 46577), (Start: 67 @46493 has 2 MA's), (Start: 93 @46436 has 198 MA's), (Start: 108 @46394 has 5 MA's), (114, 46343), (115, 46334), (121, 46286), (143, 46163), (149, 46121), (176, 45935),

Gene: Bradman_78 Start: 44821, Stop: 44270, Start Num: 78

Candidate Starts for Bradman_78:

(20, 45025), (Start: 59 @44860 has 1 MA's), (Start: 72 @44833 has 33 MA's), (Start: 78 @44821 has 158 MA's), (96, 44794), (115, 44695), (116, 44680), (121, 44647), (137, 44545), (139, 44539), (143, 44521), (148, 44494), (149, 44479), (153, 44458), (157, 44419), (166, 44356),

Gene: BreSam8_79 Start: 44999, Stop: 44490, Start Num: 99

Candidate Starts for BreSam8_79:

(Start: 76 @45035 has 3 MA's), (Start: 99 @44999 has 68 MA's), (Start: 108 @44963 has 5 MA's), (114, 44912), (115, 44903), (124, 44837), (131, 44801), (137, 44753), (143, 44732), (152, 44672), (153, 44669), (154, 44666), (157, 44630), (164, 44567), (172, 44522),

Gene: Briton15_78 Start: 47516, Stop: 47004, Start Num: 93

Candidate Starts for Briton15_78:

(28, 47690), (37, 47657), (Start: 67 @47573 has 2 MA's), (Start: 93 @47516 has 198 MA's), (Start: 108 @47474 has 5 MA's), (114, 47423), (115, 47414), (121, 47366), (143, 47243), (149, 47201), (176, 47015),

Gene: Broseidon_70 Start: 44174, Stop: 43662, Start Num: 85

Candidate Starts for Broseidon_70:

(Start: 85 @44174 has 137 MA's), (Start: 108 @44126 has 5 MA's), (114, 44075), (124, 44000), (127, 43976), (129, 43970), (131, 43964), (137, 43913), (143, 43892), (153, 43835), (157, 43796), (172, 43694),

Gene: Bruiser_69 Start: 44171, Stop: 43659, Start Num: 85

Candidate Starts for Bruiser_69:

(Start: 85 @44171 has 137 MA's), (Start: 108 @44123 has 5 MA's), (114, 44072), (124, 43997), (127, 43973), (129, 43967), (131, 43961), (137, 43910), (143, 43889), (153, 43832), (157, 43793), (172, 43691),

Gene: Bruns_78 Start: 46379, Stop: 45867, Start Num: 93

Candidate Starts for Bruns_78:

(28, 46553), (33, 46535), (37, 46520), (Start: 67 @46436 has 2 MA's), (Start: 93 @46379 has 198 MA's), (Start: 108 @46337 has 5 MA's), (114, 46286), (115, 46277), (121, 46229), (143, 46106), (149, 46064), (176, 45878),

Gene: BubbleTrouble_69 Start: 44198, Stop: 43686, Start Num: 85

Candidate Starts for BubbleTrouble_69:

(Start: 85 @44198 has 137 MA's), (Start: 108 @44150 has 5 MA's), (114, 44099), (124, 44024), (127, 44000), (129, 43994), (131, 43988), (137, 43937), (143, 43916), (153, 43859), (157, 43820), (163, 43766), (172, 43718),

Gene: Bud_73 Start: 43799, Stop: 43236, Start Num: 72

Candidate Starts for Bud_73:

(Start: 59 @43829 has 1 MA's), (Start: 72 @43799 has 33 MA's), (Start: 78 @43787 has 158 MA's), (94, 43760), (114, 43670), (116, 43646), (121, 43613), (137, 43511), (143, 43487), (144, 43472), (149, 43445), (153, 43424), (157, 43385), (172, 43286), (179, 43253),

Gene: Bugatti_73 Start: 44692, Stop: 44180, Start Num: 85

Candidate Starts for Bugatti_73:

(80, 44701), (Start: 85 @44692 has 137 MA's), (Start: 90 @44686 has 3 MA's), (114, 44593), (124, 44518), (127, 44494), (129, 44488), (132, 44470), (137, 44431), (141, 44416), (143, 44410), (157, 44314), (164, 44257), (172, 44212),

Gene: Buggy_77 Start: 45815, Stop: 45240, Start Num: 78

Candidate Starts for Buggy_77:

(Start: 56 @45857 has 4 MA's), (64, 45845), (Start: 72 @45827 has 33 MA's), (Start: 78 @45815 has 158 MA's), (114, 45698), (115, 45689), (121, 45641), (137, 45539), (153, 45452), (157, 45413), (166, 45350),

Gene: Bumblebee11_68 Start: 44352, Stop: 43852, Start Num: 100

Candidate Starts for Bumblebee11_68:

(Start: 100 @44352 has 20 MA's), (114, 44265), (116, 44241), (129, 44160), (131, 44154), (132, 44142), (137, 44103), (141, 44088), (143, 44082), (157, 43986), (166, 43920), (172, 43884),

Gene: Burger_68 Start: 44171, Stop: 43659, Start Num: 85

Candidate Starts for Burger_68:

(Start: 85 @44171 has 137 MA's), (Start: 108 @44123 has 5 MA's), (114, 44072), (124, 43997), (127, 43973), (129, 43967), (131, 43961), (137, 43910), (143, 43889), (153, 43832), (157, 43793), (172, 43691),

Gene: Burton_76 Start: 48545, Stop: 48030, Start Num: 93

Candidate Starts for Burton_76:

(28, 48719), (37, 48686), (Start: 67 @48602 has 2 MA's), (Start: 93 @48545 has 198 MA's), (Start: 108 @48503 has 5 MA's), (114, 48452), (115, 48443), (121, 48395), (137, 48293), (143, 48272), (149, 48230), (169, 48086), (176, 48044),

Gene: Buttons_72 Start: 44646, Stop: 44134, Start Num: 93

Candidate Starts for Buttons_72:

(28, 44820), (37, 44787), (Start: 67 @44703 has 2 MA's), (Start: 93 @44646 has 198 MA's), (Start: 108 @44604 has 5 MA's), (114, 44553), (115, 44544), (121, 44496), (143, 44373), (149, 44331), (176, 44145),

Gene: Bxb1_69 Start: 44762, Stop: 44250, Start Num: 93

Candidate Starts for Bxb1_69:

(28, 44936), (37, 44903), (Start: 67 @44819 has 2 MA's), (Start: 93 @44762 has 198 MA's), (Start: 108 @44720 has 5 MA's), (114, 44669), (115, 44660), (121, 44612), (143, 44489), (149, 44447), (176, 44261),

Gene: Byougenkin_38 Start: 31250, Stop: 30714, Start Num: 73

Candidate Starts for Byougenkin_38:

(Start: 73 @31250 has 14 MA's), (Start: 108 @31184 has 5 MA's), (114, 31133), (115, 31124), (121, 31076), (127, 31034), (143, 30953), (149, 30911), (176, 30725),

Gene: CRB1_77 Start: 46002, Stop: 45430, Start Num: 78

Candidate Starts for CRB1_77:

(Start: 78 @46002 has 158 MA's), (114, 45885), (115, 45876), (118, 45849), (121, 45828), (137, 45726), (140, 45717), (153, 45639), (157, 45600), (160, 45564), (164, 45546), (173, 45471),

Gene: CactusRose_78 Start: 47360, Stop: 46848, Start Num: 93

Candidate Starts for CactusRose_78:

(28, 47534), (33, 47516), (37, 47501), (Start: 67 @47417 has 2 MA's), (Start: 93 @47360 has 198 MA's), (Start: 108 @47318 has 5 MA's), (114, 47267), (115, 47258), (121, 47210), (127, 47168), (143, 47087), (149, 47045), (176, 46859),

Gene: Caelakin_69 Start: 44171, Stop: 43659, Start Num: 85

Candidate Starts for Caelakin_69:

(Start: 85 @44171 has 137 MA's), (Start: 108 @44123 has 5 MA's), (114, 44072), (124, 43997), (127, 43973), (129, 43967), (131, 43961), (137, 43910), (143, 43889), (153, 43832), (157, 43793), (172, 43691),

Gene: Calvinny_76 Start: 44816, Stop: 44307, Start Num: 99

Candidate Starts for Calvinny_76:

(Start: 99 @44816 has 68 MA's), (Start: 108 @44780 has 5 MA's), (114, 44729), (115, 44720), (124, 44654), (131, 44618), (137, 44570), (143, 44549), (152, 44489), (153, 44486), (157, 44447), (164, 44384), (172, 44339),

Gene: Camperdownii_68 Start: 43842, Stop: 43330, Start Num: 85

Candidate Starts for Camperdownii_68:

(Start: 85 @43842 has 137 MA's), (Start: 108 @43794 has 5 MA's), (114, 43743), (124, 43668), (127, 43644), (131, 43632), (137, 43581), (141, 43566), (143, 43560), (172, 43362),

Gene: Candra_76 Start: 44214, Stop: 43699, Start Num: 78

Candidate Starts for Candra_76:

(Start: 72 @44226 has 33 MA's), (Start: 78 @44214 has 158 MA's), (114, 44127), (115, 44118), (121, 44070), (137, 43968), (143, 43947), (146, 43926), (153, 43884), (157, 43845),

Gene: CaptainTrips_39 Start: 31571, Stop: 31035, Start Num: 73

Candidate Starts for CaptainTrips_39:

(Start: 73 @31571 has 14 MA's), (Start: 108 @31505 has 5 MA's), (114, 31454), (115, 31445), (121, 31397), (127, 31355), (143, 31274), (149, 31232), (176, 31046),

Gene: Catalina_79 Start: 44771, Stop: 44235, Start Num: 78

Candidate Starts for Catalina_79:

(Start: 72 @44783 has 33 MA's), (Start: 78 @44771 has 158 MA's), (114, 44675), (115, 44666), (116, 44651), (121, 44618), (143, 44495), (144, 44480), (145, 44477), (152, 44435), (153, 44432), (161, 44354), (172, 44285),

Gene: Centaur_76 Start: 45368, Stop: 44799, Start Num: 78

Candidate Starts for Centaur_76:

(Start: 56 @45410 has 4 MA's), (64, 45398), (Start: 72 @45380 has 33 MA's), (Start: 78 @45368 has 158 MA's), (114, 45251), (115, 45242), (118, 45215), (121, 45194), (137, 45092), (149, 45026), (153, 45005), (157, 44966), (166, 44903),

Gene: CentreCat_70 Start: 44210, Stop: 43698, Start Num: 85

Candidate Starts for CentreCat_70:

(Start: 85 @44210 has 137 MA's), (Start: 108 @44162 has 5 MA's), (114, 44111), (124, 44036), (127, 44012), (129, 44006), (131, 44000), (137, 43949), (143, 43928), (153, 43871), (163, 43778), (172, 43730),

Gene: Cerulean_71 Start: 44608, Stop: 44096, Start Num: 85

Candidate Starts for Cerulean_71:

(Start: 85 @44608 has 137 MA's), (Start: 108 @44560 has 5 MA's), (114, 44509), (124, 44434), (127, 44410), (131, 44398), (137, 44347), (143, 44326), (153, 44269), (172, 44128),

Gene: ChampagnePapi_72 Start: 44607, Stop: 44095, Start Num: 85

Candidate Starts for ChampagnePapi_72:

(Start: 85 @44607 has 137 MA's), (Start: 108 @44559 has 5 MA's), (114, 44508), (124, 44433), (127, 44409), (131, 44397), (137, 44346), (143, 44325), (153, 44268), (172, 44127),

Gene: Changeling_74 Start: 45726, Stop: 45136, Start Num: 72

Candidate Starts for Changeling_74:

(Start: 72 @45726 has 33 MA's), (Start: 78 @45714 has 158 MA's), (94, 45687), (114, 45597), (115, 45588), (121, 45540), (137, 45438), (140, 45429), (150, 45369), (153, 45351), (157, 45312),

Gene: Chaph_70 Start: 44182, Stop: 43670, Start Num: 85

Candidate Starts for Chaph_70:

(Start: 85 @44182 has 137 MA's), (Start: 108 @44134 has 5 MA's), (114, 44083), (124, 44008), (127, 43984), (129, 43978), (131, 43972), (137, 43921), (143, 43900), (153, 43843), (157, 43804), (163, 43750), (172, 43702),

Gene: Chargerpower_73 Start: 43754, Stop: 43230, Start Num: 78

Candidate Starts for Chargerpower_73:

(Start: 78 @43754 has 158 MA's), (114, 43655), (116, 43631), (117, 43622), (121, 43598), (124, 43580), (137, 43496), (138, 43493), (143, 43475), (147, 43451), (160, 43337), (163, 43322),

Gene: Charm_71 Start: 43884, Stop: 43351, Start Num: 78

Candidate Starts for Charm_71:

(Start: 78 @43884 has 158 MA's), (114, 43788), (116, 43764), (121, 43731), (143, 43608), (144, 43593), (145, 43590), (153, 43545), (160, 43470), (162, 43464), (163, 43449), (164, 43446), (166, 43437),

Gene: Chartreuse_75 Start: 43525, Stop: 43010, Start Num: 78

Candidate Starts for Chartreuse_75:

(Start: 72 @43537 has 33 MA's), (Start: 78 @43525 has 158 MA's), (114, 43438), (115, 43429), (121, 43381), (137, 43279), (143, 43258), (146, 43237), (153, 43195), (157, 43156),

Gene: Che12_80 Start: 45086, Stop: 44538, Start Num: 78

Candidate Starts for Che12_80:

(Start: 72 @45098 has 33 MA's), (Start: 78 @45086 has 158 MA's), (Start: 81 @45074 has 1 MA's), (Start: 103 @45032 has 1 MA's), (114, 44969), (115, 44960), (121, 44912), (124, 44894), (137, 44810), (143, 44786), (149, 44744), (157, 44684), (169, 44600), (172, 44582),

Gene: ChipMunk_76 Start: 46976, Stop: 46281, Start Num: 35

Candidate Starts for ChipMunk_76:

(Start: 35 @46976 has 1 MA's), (Start: 56 @46898 has 4 MA's), (64, 46886), (Start: 72 @46868 has 33 MA's), (Start: 78 @46856 has 158 MA's), (114, 46739), (115, 46730), (121, 46682), (137, 46580), (153, 46493), (157, 46454), (166, 46391), (172, 46328),

Gene: Chupacabra_68 Start: 44005, Stop: 43499, Start Num: 86

Candidate Starts for Chupacabra_68:

(Start: 58 @44068 has 1 MA's), (66, 44053), (Start: 86 @44005 has 10 MA's), (Start: 88 @44002 has 5 MA's), (114, 43909), (116, 43885), (121, 43852), (124, 43834), (127, 43810), (137, 43750), (143, 43729), (157, 43633), (159, 43597), (172, 43531), (176, 43510),

Gene: Ciao_72 Start: 44955, Stop: 44443, Start Num: 93

Candidate Starts for Ciao_72:

(28, 45129), (37, 45096), (53, 45033), (Start: 67 @45012 has 2 MA's), (Start: 93 @44955 has 198 MA's), (Start: 108 @44913 has 5 MA's), (114, 44862), (115, 44853), (121, 44805), (143, 44682), (149, 44640), (176, 44454),

Gene: Cici_69 Start: 44367, Stop: 43867, Start Num: 100

Candidate Starts for Cici_69:

(Start: 100 @44367 has 20 MA's), (114, 44280), (116, 44256), (129, 44175), (131, 44169), (132, 44157), (137, 44118), (141, 44103), (143, 44097), (157, 44001), (166, 43935), (172, 43899),

Gene: Cindaradix_66 Start: 44070, Stop: 43558, Start Num: 85

Candidate Starts for Cindaradix_66:

(Start: 85 @44070 has 137 MA's), (Start: 108 @44022 has 5 MA's), (114, 43971), (124, 43896), (127, 43872), (131, 43860), (137, 43809), (143, 43788), (172, 43590),

Gene: Cintron_70 Start: 44321, Stop: 43809, Start Num: 85

Candidate Starts for Cintron_70:

(Start: 85 @44321 has 137 MA's), (Start: 108 @44273 has 5 MA's), (114, 44222), (124, 44147), (127, 44123), (131, 44111), (137, 44060), (143, 44039), (157, 43943), (172, 43841),

Gene: Citius_70 Start: 44192, Stop: 43680, Start Num: 85

Candidate Starts for Citius_70:

(Start: 85 @44192 has 137 MA's), (Start: 108 @44144 has 5 MA's), (114, 44093), (124, 44018), (127, 43994), (129, 43988), (131, 43982), (137, 43931), (143, 43910), (153, 43853), (157, 43814), (163, 43760), (172, 43712),

Gene: Clarenza_69 Start: 44168, Stop: 43656, Start Num: 85

Candidate Starts for Clarenza_69:

(Start: 85 @44168 has 137 MA's), (Start: 108 @44120 has 5 MA's), (114, 44069), (124, 43994), (127, 43970), (129, 43964), (131, 43958), (137, 43907), (143, 43886), (153, 43829), (157, 43790), (172, 43688),

Gene: CloudWang3_78 Start: 44426, Stop: 43875, Start Num: 61

Candidate Starts for CloudWang3_78:

(Start: 61 @44426 has 9 MA's), (Start: 72 @44402 has 33 MA's), (Start: 78 @44390 has 158 MA's), (Start: 103 @44366 has 1 MA's), (114, 44303), (121, 44246), (137, 44144), (143, 44123), (153, 44060), (157, 44021), (164, 43967), (166, 43958), (178, 43895),

Gene: Coco12_38 Start: 31229, Stop: 30693, Start Num: 73

Candidate Starts for Coco12_38:

(Start: 73 @31229 has 14 MA's), (Start: 108 @31163 has 5 MA's), (114, 31112), (115, 31103), (121, 31055), (127, 31013), (143, 30932), (149, 30890), (176, 30704),

Gene: Cocoaberry_70 Start: 44172, Stop: 43660, Start Num: 85

Candidate Starts for Cocoaberry_70:

(Start: 85 @44172 has 137 MA's), (Start: 108 @44124 has 5 MA's), (114, 44073), (124, 43998), (127, 43974), (129, 43968), (131, 43962), (137, 43911), (143, 43890), (153, 43833), (157, 43794), (172, 43692),

Gene: Colbster_75 Start: 45009, Stop: 44500, Start Num: 99

Candidate Starts for Colbster_75:

(Start: 99 @45009 has 68 MA's), (Start: 108 @44973 has 5 MA's), (114, 44922), (115, 44913), (124, 44847), (131, 44811), (137, 44763), (143, 44742), (152, 44682), (153, 44679), (154, 44676), (157, 44640), (164, 44577), (172, 44532),

Gene: Colin_75 Start: 46429, Stop: 45851, Start Num: 78

Candidate Starts for Colin_75:

(34, 46552), (Start: 56 @46471 has 4 MA's), (Start: 72 @46441 has 33 MA's), (Start: 78 @46429 has 158 MA's), (114, 46312), (121, 46255), (126, 46228), (134, 46186), (137, 46153), (140, 46144), (150, 46084), (153, 46066), (157, 46027), (172, 45901),

Gene: Commander_68 Start: 44170, Stop: 43658, Start Num: 85

Candidate Starts for Commander_68:

(Start: 85 @44170 has 137 MA's), (Start: 108 @44122 has 5 MA's), (114, 44071), (124, 43996), (127, 43972), (129, 43966), (131, 43960), (137, 43909), (143, 43888), (157, 43792), (172, 43690),

Gene: Conceptll_80 Start: 48387, Stop: 47875, Start Num: 93

Candidate Starts for Conceptll_80:

(28, 48561), (37, 48528), (Start: 67 @48444 has 2 MA's), (Start: 93 @48387 has 198 MA's), (Start: 108 @48345 has 5 MA's), (114, 48294), (115, 48285), (121, 48237), (143, 48114), (149, 48072), (169, 47928), (176, 47886),

Gene: Connomayer_70 Start: 44171, Stop: 43659, Start Num: 85

Candidate Starts for Connomayer_70:

(Start: 85 @44171 has 137 MA's), (Start: 108 @44123 has 5 MA's), (114, 44072), (124, 43997), (127, 43973), (129, 43967), (131, 43961), (137, 43910), (143, 43889), (153, 43832), (157, 43793), (172, 43691),

Gene: Conquerage_75 Start: 44458, Stop: 43910, Start Num: 72

Candidate Starts for Conquerage_75:

(Start: 72 @44458 has 33 MA's), (Start: 78 @44446 has 158 MA's), (114, 44350), (115, 44341), (116, 44326), (121, 44293), (143, 44170), (144, 44155), (145, 44152), (152, 44110), (153, 44107), (161, 44029), (166, 43999),

Gene: Cookiedough_78 Start: 44829, Stop: 44314, Start Num: 78

Candidate Starts for Cookiedough_78:

(Start: 72 @44841 has 33 MA's), (Start: 78 @44829 has 158 MA's), (114, 44742), (115, 44733), (121, 44685), (137, 44583), (143, 44562), (146, 44541), (153, 44499), (157, 44460),

Gene: Corvo_77 Start: 48036, Stop: 47524, Start Num: 93

Candidate Starts for Corvo_77:

(28, 48210), (33, 48192), (37, 48177), (Start: 67 @48093 has 2 MA's), (Start: 93 @48036 has 198 MA's), (Start: 108 @47994 has 5 MA's), (114, 47943), (115, 47934), (121, 47886), (143, 47763), (149, 47721), (176, 47535),

Gene: CosmicSans_58 Start: 40126, Stop: 39602, Start Num: 82

Candidate Starts for CosmicSans_58:

(Start: 82 @40126 has 23 MA's), (106, 40081), (110, 40063), (124, 39949), (131, 39913), (136, 39886), (137, 39865), (143, 39844), (144, 39829), (150, 39799), (151, 39796), (153, 39781), (164, 39685), (166, 39676), (177, 39619),

Gene: Courthouse_190 Start: 94714, Stop: 94199, Start Num: 91

Candidate Starts for Courthouse_190:

(6, 95044), (8, 95002), (30, 94873), (46, 94816), (49, 94807), (Start: 79 @94735 has 1 MA's), (Start: 91 @94714 has 2 MA's), (Start: 93 @94711 has 198 MA's), (Start: 108 @94669 has 5 MA's), (114, 94618), (115, 94609), (121, 94561), (127, 94519), (143, 94438), (149, 94396), (176, 94210),

Gene: Crucio_76 Start: 45736, Stop: 45161, Start Num: 78

Candidate Starts for Crucio_76:

(Start: 56 @45778 has 4 MA's), (64, 45766), (Start: 72 @45748 has 33 MA's), (Start: 78 @45736 has 158 MA's), (114, 45619), (115, 45610), (121, 45562), (137, 45460), (153, 45373), (157, 45334), (166, 45271),

Gene: Cullens_79 Start: 45008, Stop: 44499, Start Num: 99

Candidate Starts for Cullens_79:

(Start: 99 @45008 has 68 MA's), (Start: 108 @44972 has 5 MA's), (114, 44921), (115, 44912), (124, 44846), (131, 44810), (137, 44762), (143, 44741), (152, 44681), (153, 44678), (154, 44675), (157, 44639), (164, 44576), (172, 44531),

Gene: DBQu4n_78 Start: 45869, Stop: 45312, Start Num: 72

Candidate Starts for DBQu4n_78:

(Start: 72 @45869 has 33 MA's), (Start: 78 @45857 has 158 MA's), (114, 45740), (115, 45731), (116, 45716), (121, 45683), (137, 45581), (139, 45575), (143, 45557), (148, 45530), (149, 45515), (150, 45512), (152, 45497), (157, 45455), (164, 45401), (169, 45374), (172, 45356),

Gene: DD5_73 Start: 46562, Stop: 46050, Start Num: 93

Candidate Starts for DD5_73:

(28, 46736), (37, 46703), (Start: 67 @46619 has 2 MA's), (Start: 93 @46562 has 198 MA's), (Start: 108 @46520 has 5 MA's), (114, 46469), (115, 46460), (121, 46412), (127, 46370), (143, 46289), (149, 46247), (176, 46061),

Gene: DLane_38 Start: 31116, Stop: 30604, Start Num: 93

Candidate Starts for DLane_38:

(24, 31305), (Start: 83 @31128 has 3 MA's), (Start: 93 @31116 has 198 MA's), (Start: 108 @31074 has 5 MA's), (114, 31023), (115, 31014), (121, 30966), (127, 30924), (143, 30843), (149, 30801), (176, 30615),

Gene: DaHudson_78 Start: 45034, Stop: 44489, Start Num: 76

Candidate Starts for DaHudson_78:

(Start: 76 @45034 has 3 MA's), (Start: 99 @44998 has 68 MA's), (Start: 108 @44962 has 5 MA's), (114, 44911), (115, 44902), (124, 44836), (131, 44800), (137, 44752), (143, 44731), (152, 44671), (153, 44668), (154, 44665), (157, 44629), (164, 44566), (172, 44521),

Gene: DaVinci_76 Start: 43579, Stop: 43064, Start Num: 78

Candidate Starts for DaVinci_76:

(Start: 72 @43591 has 33 MA's), (Start: 78 @43579 has 158 MA's), (114, 43492), (115, 43483), (121, 43435), (137, 43333), (143, 43312), (146, 43291), (153, 43249), (157, 43210),

Gene: Daishi_78 Start: 43873, Stop: 43364, Start Num: 99

Candidate Starts for Daishi_78:

(Start: 76 @43909 has 3 MA's), (Start: 99 @43873 has 68 MA's), (Start: 108 @43837 has 5 MA's), (114, 43786), (124, 43711), (131, 43675), (137, 43627), (143, 43606), (152, 43546), (153, 43543), (154, 43540), (157, 43504), (164, 43441), (172, 43396),

Gene: Dalmatian_76 Start: 45555, Stop: 44977, Start Num: 78

Candidate Starts for Dalmatian_76:

(Start: 56 @45597 has 4 MA's), (64, 45585), (Start: 72 @45567 has 33 MA's), (Start: 78 @45555 has 158 MA's), (114, 45438), (115, 45429), (121, 45381), (137, 45279), (150, 45210), (153, 45192), (156, 45162), (157, 45153), (166, 45090),

Gene: Danforth_85 Start: 46121, Stop: 45618, Start Num: 97

Candidate Starts for Danforth_85:

(Start: 74 @46160 has 3 MA's), (Start: 97 @46121 has 9 MA's), (104, 46097), (110, 46073), (114, 46034), (123, 45962), (125, 45956), (127, 45935), (131, 45923), (143, 45854), (157, 45752), (169, 45668), (172, 45650), (174, 45638),

Gene: DARTHPhader_73 Start: 45812, Stop: 45297, Start Num: 78

Candidate Starts for DARTHPhader_73:

(Start: 78 @45812 has 158 MA's), (114, 45722), (115, 45713), (121, 45665), (137, 45563), (143, 45539), (153, 45476), (157, 45437), (166, 45374), (172, 45338), (179, 45305),

Gene: Datway_69 Start: 44341, Stop: 43841, Start Num: 100

Candidate Starts for Datway_69:

(Start: 100 @44341 has 20 MA's), (114, 44254), (132, 44131), (137, 44092), (143, 44071), (154, 44011), (157, 43975), (166, 43909), (172, 43873),

Gene: Deano_67 Start: 44179, Stop: 43667, Start Num: 85

Candidate Starts for Deano_67:

(Start: 85 @44179 has 137 MA's), (Start: 108 @44131 has 5 MA's), (114, 44080), (124, 44005), (127, 43981), (129, 43975), (131, 43969), (137, 43918), (143, 43897), (153, 43840), (157, 43801), (163, 43747), (172, 43699),

Gene: Deloris_75 Start: 45154, Stop: 44579, Start Num: 78

Candidate Starts for Deloris_75:

(64, 45184), (Start: 72 @45166 has 33 MA's), (Start: 78 @45154 has 158 MA's), (114, 45037), (115, 45028), (118, 45001), (121, 44980), (122, 44974), (137, 44878), (140, 44869), (153, 44791), (157, 44752), (173, 44623), (174, 44614),

Gene: Dexes_76 Start: 48978, Stop: 48466, Start Num: 93

Candidate Starts for Dexes_76:

(28, 49152), (37, 49119), (Start: 67 @49035 has 2 MA's), (Start: 93 @48978 has 198 MA's), (Start: 108 @48936 has 5 MA's), (114, 48885), (115, 48876), (121, 48828), (143, 48705), (149, 48663), (169, 48519), (176, 48477),

Gene: Dhanush_70 Start: 44174, Stop: 43662, Start Num: 85

Candidate Starts for Dhanush_70:

(Start: 85 @44174 has 137 MA's), (Start: 108 @44126 has 5 MA's), (114, 44075), (124, 44000), (127, 43976), (129, 43970), (131, 43964), (137, 43913), (143, 43892), (153, 43835), (157, 43796), (172, 43694),

Gene: Dieselweasel_79 Start: 45007, Stop: 44498, Start Num: 99

Candidate Starts for Dieselweasel_79:

(Start: 99 @45007 has 68 MA's), (Start: 108 @44971 has 5 MA's), (114, 44920), (115, 44911), (124, 44845), (131, 44809), (137, 44761), (143, 44740), (152, 44680), (153, 44677), (154, 44674), (157, 44638), (164, 44575), (172, 44530),

Gene: Dignity_77 Start: 45853, Stop: 45278, Start Num: 78

Candidate Starts for Dignity_77:

(Start: 56 @45895 has 4 MA's), (64, 45883), (Start: 72 @45865 has 33 MA's), (Start: 78 @45853 has 158 MA's), (114, 45736), (115, 45727), (121, 45679), (137, 45577), (153, 45490), (157, 45451), (166, 45388),

Gene: Dinger_57 Start: 40270, Stop: 39746, Start Num: 82

Candidate Starts for Dinger_57:

(Start: 82 @40270 has 23 MA's), (106, 40225), (110, 40207), (124, 40093), (131, 40057), (136, 40030), (137, 40009), (143, 39988), (151, 39940), (164, 39829), (166, 39820), (177, 39763),

Gene: DirtyDunning_69 Start: 44183, Stop: 43671, Start Num: 85

Candidate Starts for DirtyDunning_69:

(Start: 85 @44183 has 137 MA's), (Start: 108 @44135 has 5 MA's), (114, 44084), (124, 44009), (127, 43985), (129, 43979), (131, 43973), (137, 43922), (143, 43901), (153, 43844), (157, 43805), (172, 43703),

Gene: Dixon_83 Start: 45603, Stop: 45100, Start Num: 97

Candidate Starts for Dixon_83:

(Start: 74 @45642 has 3 MA's), (Start: 97 @45603 has 9 MA's), (104, 45579), (110, 45555), (114, 45516), (123, 45444), (125, 45438), (127, 45417), (131, 45405), (143, 45336), (157, 45234), (169, 45150), (172, 45132), (174, 45120),

Gene: Donkeykong_39 Start: 31357, Stop: 30821, Start Num: 73

Candidate Starts for Donkeykong_39:

(Start: 73 @31357 has 14 MA's), (Start: 108 @31291 has 5 MA's), (114, 31240), (115, 31231), (121, 31183), (127, 31141), (143, 31060), (149, 31018), (176, 30832),

Gene: DontArgue_67 Start: 42958, Stop: 42449, Start Num: 85

Candidate Starts for DontArgue_67:

(Start: 67 @43003 has 2 MA's), (Start: 85 @42958 has 137 MA's), (114, 42862), (115, 42853), (116, 42838), (124, 42787), (132, 42739), (136, 42721), (137, 42700), (143, 42679), (154, 42619), (157, 42583), (158, 42556), (166, 42517), (169, 42499), (172, 42481),

Gene: Doom_68 Start: 45189, Stop: 44677, Start Num: 93

Candidate Starts for Doom_68:

(28, 45363), (37, 45330), (Start: 67 @45246 has 2 MA's), (Start: 93 @45189 has 198 MA's), (Start: 108 @45147 has 5 MA's), (114, 45096), (115, 45087), (121, 45039), (143, 44916), (149, 44874), (176, 44688),

Gene: Dorothea_78 Start: 44837, Stop: 44310, Start Num: 72

Candidate Starts for Dorothea_78:

(Start: 72 @44837 has 33 MA's), (Start: 78 @44825 has 158 MA's), (114, 44738), (115, 44729), (121, 44681), (137, 44579), (143, 44558), (146, 44537), (153, 44495), (157, 44456),

Gene: DrFeelGood_71 Start: 44565, Stop: 44053, Start Num: 93

Candidate Starts for DrFeelGood_71:

(28, 44739), (37, 44706), (Start: 67 @44622 has 2 MA's), (Start: 93 @44565 has 198 MA's), (Start: 108 @44523 has 5 MA's), (114, 44472), (115, 44463), (121, 44415), (143, 44292), (149, 44250), (176, 44064),

Gene: Drake55_77 Start: 45449, Stop: 44874, Start Num: 78

Candidate Starts for Drake55_77:

(Start: 56 @45491 has 4 MA's), (64, 45479), (Start: 72 @45461 has 33 MA's), (Start: 78 @45449 has 158 MA's), (114, 45332), (115, 45323), (118, 45296), (121, 45275), (137, 45173), (149, 45107), (153, 45086), (157, 45047), (166, 44984),

Gene: Drake94_68 Start: 43133, Stop: 42630, Start Num: 88

Candidate Starts for Drake94_68:

(Start: 58 @43199 has 1 MA's), (66, 43184), (Start: 86 @43136 has 10 MA's), (Start: 88 @43133 has 5 MA's), (114, 43040), (121, 42983), (124, 42965), (127, 42941), (137, 42881), (143, 42860), (159, 42728), (172, 42662), (176, 42641),

Gene: DreamCatcher_79 Start: 47366, Stop: 46854, Start Num: 93

Candidate Starts for DreamCatcher_79:

(28, 47540), (37, 47507), (Start: 67 @47423 has 2 MA's), (Start: 93 @47366 has 198 MA's), (Start: 108 @47324 has 5 MA's), (114, 47273), (115, 47264), (121, 47216), (143, 47093), (149, 47051), (176, 46865),

Gene: DreamTeam1_71 Start: 43731, Stop: 43198, Start Num: 78

Candidate Starts for DreamTeam1_71:

(Start: 78 @43731 has 158 MA's), (114, 43635), (116, 43611), (121, 43578), (143, 43455), (144, 43440), (145, 43437), (153, 43392), (160, 43317), (162, 43311), (163, 43296), (164, 43293), (166, 43284),

Gene: Dreamboat_75 Start: 44848, Stop: 44336, Start Num: 93

Candidate Starts for Dreamboat_75:

(28, 45022), (37, 44989), (Start: 67 @44905 has 2 MA's), (Start: 93 @44848 has 198 MA's), (Start: 108 @44806 has 5 MA's), (114, 44755), (115, 44746), (121, 44698), (143, 44575), (149, 44533), (176, 44347),

Gene: DroogsArmy_69 Start: 47376, Stop: 46870, Start Num: 84

Candidate Starts for DroogsArmy_69:

(50, 47454), (51, 47445), (54, 47439), (Start: 84 @47376 has 3 MA's), (109, 47328), (125, 47202), (127, 47181), (131, 47169), (137, 47121), (143, 47100), (147, 47076), (153, 47043), (157, 47004), (164, 46947), (166, 46938), (169, 46920), (172, 46902),

Gene: DropBear_71 Start: 44617, Stop: 44105, Start Num: 85

Candidate Starts for DropBear_71:

(Start: 61 @44671 has 9 MA's), (Start: 85 @44617 has 137 MA's), (Start: 90 @44611 has 3 MA's), (114, 44518), (124, 44443), (125, 44440), (127, 44419), (132, 44395), (137, 44356), (141, 44341), (143, 44335), (157, 44239), (164, 44182), (172, 44137),

Gene: Druantia_69 Start: 44174, Stop: 43662, Start Num: 85

Candidate Starts for Druantia_69:

(Start: 85 @44174 has 137 MA's), (Start: 108 @44126 has 5 MA's), (114, 44075), (124, 44000), (127, 43976), (129, 43970), (131, 43964), (137, 43913), (143, 43892), (153, 43835), (157, 43796), (163, 43742), (172, 43694),

Gene: DudeLittle_74 Start: 45321, Stop: 44743, Start Num: 78

Candidate Starts for DudeLittle_74:

(Start: 56 @45363 has 4 MA's), (64, 45351), (Start: 72 @45333 has 33 MA's), (Start: 78 @45321 has 158 MA's), (114, 45204), (115, 45195), (121, 45147), (137, 45045), (150, 44976), (153, 44958), (156, 44928), (157, 44919), (166, 44856),

Gene: Dulcie_76 Start: 48642, Stop: 48130, Start Num: 93

Candidate Starts for Dulcie_76:

(28, 48816), (37, 48783), (Start: 67 @48699 has 2 MA's), (Start: 93 @48642 has 198 MA's), (Start: 108 @48600 has 5 MA's), (114, 48549), (115, 48540), (121, 48492), (143, 48369), (149, 48327), (176, 48141),

Gene: Duplo_78 Start: 45914, Stop: 45369, Start Num: 78

Candidate Starts for Duplo_78:

(Start: 72 @45926 has 33 MA's), (Start: 78 @45914 has 158 MA's), (114, 45797), (115, 45788), (116, 45773), (121, 45740), (137, 45638), (139, 45632), (143, 45614), (148, 45587), (149, 45572), (150, 45569), (152, 45554), (157, 45512), (164, 45458), (169, 45431), (172, 45413),

Gene: Dussy_74 Start: 46227, Stop: 45715, Start Num: 93

Candidate Starts for Dussy_74:

(28, 46401), (37, 46368), (Start: 67 @46284 has 2 MA's), (Start: 93 @46227 has 198 MA's), (Start: 108 @46185 has 5 MA's), (114, 46134), (115, 46125), (121, 46077), (143, 45954), (149, 45912), (169, 45768), (176, 45726),

Gene: DustyMartin_72 Start: 44148, Stop: 43642, Start Num: 88

Candidate Starts for DustyMartin_72:

(Start: 58 @44214 has 1 MA's), (66, 44199), (Start: 88 @44148 has 5 MA's), (Start: 108 @44106 has 5 MA's), (114, 44055), (116, 44031), (121, 43998), (124, 43980), (127, 43956), (137, 43896), (143, 43875), (159, 43743), (172, 43677), (176, 43656),

Gene: Dynamix_75 Start: 45282, Stop: 44770, Start Num: 93

Candidate Starts for Dynamix_75:

(28, 45456), (37, 45423), (Start: 67 @45339 has 2 MA's), (Start: 93 @45282 has 198 MA's), (Start: 108 @45240 has 5 MA's), (114, 45189), (115, 45180), (121, 45132), (143, 45009), (149, 44967), (176, 44781),

Gene: EZMoney23_72 Start: 45225, Stop: 44641, Start Num: 78

Candidate Starts for EZMoney23_72:

(Start: 78 @45225 has 158 MA's), (94, 45198), (114, 45108), (121, 45051), (137, 44949), (140, 44940), (150, 44880), (153, 44862), (157, 44823), (164, 44766), (172, 44694),

Gene: Eagle_69 Start: 44232, Stop: 43720, Start Num: 85

Candidate Starts for Eagle_69:

(Start: 85 @44232 has 137 MA's), (Start: 108 @44184 has 5 MA's), (114, 44133), (124, 44058), (127, 44034), (131, 44022), (137, 43971), (143, 43950), (153, 43893), (163, 43800), (172, 43752),

Gene: EagleEye_81 Start: 45914, Stop: 45372, Start Num: 78

Candidate Starts for EagleEye_81:

(Start: 72 @45926 has 33 MA's), (Start: 78 @45914 has 158 MA's), (114, 45809), (115, 45800), (121, 45752), (133, 45686), (137, 45650), (143, 45629), (153, 45566), (157, 45527), (169, 45437), (172, 45419),

Gene: Eaglepride_73 Start: 44100, Stop: 43594, Start Num: 86

Candidate Starts for Eaglepride_73:

(Start: 58 @44163 has 1 MA's), (66, 44148), (Start: 86 @44100 has 10 MA's), (Start: 88 @44097 has 5 MA's), (114, 44004), (116, 43980), (121, 43947), (124, 43929), (127, 43905), (137, 43845), (143, 43824), (153, 43767), (154, 43764), (164, 43671), (166, 43662), (172, 43626), (176, 43605),

Gene: Eapen_70 Start: 44166, Stop: 43654, Start Num: 85

Candidate Starts for Eapen_70:

(Start: 85 @44166 has 137 MA's), (Start: 108 @44118 has 5 MA's), (114, 44067), (124, 43992), (127, 43968), (129, 43962), (131, 43956), (137, 43905), (143, 43884), (153, 43827), (157, 43788), (172, 43686),

Gene: EasyJones_49 Start: 15112, Stop: 15636, Start Num: 83

Candidate Starts for EasyJones_49:

(24, 14935), (Start: 83 @15112 has 3 MA's), (Start: 93 @15124 has 198 MA's), (Start: 108 @15166 has 5 MA's), (114, 15217), (115, 15226), (121, 15274), (143, 15397), (149, 15439), (169, 15583), (176, 15625),

Gene: Ebony_78 Start: 44921, Stop: 44370, Start Num: 78

Candidate Starts for Ebony_78:

(Start: 59 @44963 has 1 MA's), (Start: 72 @44933 has 33 MA's), (Start: 78 @44921 has 158 MA's), (94, 44894), (114, 44804), (116, 44780), (121, 44747), (137, 44645), (143, 44621), (144, 44606), (149, 44579), (153, 44558), (157, 44519), (172, 44420), (179, 44387),

Gene: Echild_76 Start: 45077, Stop: 44502, Start Num: 78

Candidate Starts for Echild_76:

(Start: 78 @45077 has 158 MA's), (Start: 103 @45023 has 1 MA's), (114, 44960), (115, 44951), (118, 44924), (121, 44903), (137, 44801), (140, 44792), (153, 44714), (157, 44675), (173, 44546), (174, 44537),

Gene: Edison31_67 Start: 43873, Stop: 43367, Start Num: 86

Candidate Starts for Edison31_67:

(Start: 58 @43936 has 1 MA's), (66, 43921), (Start: 86 @43873 has 10 MA's), (Start: 88 @43870 has 5 MA's), (114, 43777), (116, 43753), (121, 43720), (124, 43702), (127, 43678), (137, 43618), (143, 43597), (153, 43540), (157, 43501), (159, 43465), (172, 43399), (176, 43378),

Gene: EdogawaKiddo_75 Start: 44751, Stop: 44203, Start Num: 72

Candidate Starts for EdogawaKiddo_75:

(Start: 72 @44751 has 33 MA's), (Start: 78 @44739 has 158 MA's), (114, 44643), (115, 44634), (116, 44619), (121, 44586), (143, 44463), (144, 44448), (145, 44445), (152, 44403), (153, 44400), (161, 44322),

Gene: Edtherson_74 Start: 46515, Stop: 45946, Start Num: 67

Candidate Starts for Edtherson_74:

(28, 46632), (37, 46599), (Start: 67 @46515 has 2 MA's), (Start: 93 @46458 has 198 MA's), (Start: 108 @46416 has 5 MA's), (114, 46365), (115, 46356), (121, 46308), (137, 46206), (143, 46185), (149, 46143), (169, 45999), (176, 45957),

Gene: Eidsmoe_75 Start: 44450, Stop: 43902, Start Num: 72

Candidate Starts for Eidsmoe_75:

(Start: 72 @44450 has 33 MA's), (Start: 78 @44438 has 158 MA's), (114, 44342), (115, 44333), (116, 44318), (121, 44285), (143, 44162), (144, 44147), (145, 44144), (152, 44102), (153, 44099), (161, 44021), (166, 43991),

Gene: Elephantoon_77 Start: 44590, Stop: 44063, Start Num: 78

Candidate Starts for Elephantoon_77:

(55, 44635), (Start: 72 @44602 has 33 MA's), (Start: 78 @44590 has 158 MA's), (114, 44494), (116, 44470), (121, 44437), (124, 44419), (143, 44314), (145, 44296), (152, 44254), (153, 44251), (157, 44212), (161, 44173), (162, 44170), (164, 44152),

Gene: Emma_41 Start: 31756, Stop: 31244, Start Num: 93

Candidate Starts for Emma_41:

(65, 31810), (Start: 93 @31756 has 198 MA's), (Start: 108 @31714 has 5 MA's), (114, 31663), (115, 31654), (121, 31606), (127, 31564), (143, 31483), (149, 31441), (176, 31255),

Gene: EmyBug_74 Start: 44440, Stop: 43904, Start Num: 78

Candidate Starts for EmyBug_74:

(Start: 72 @44452 has 33 MA's), (Start: 78 @44440 has 158 MA's), (114, 44344), (115, 44335), (116, 44320), (121, 44287), (143, 44164), (144, 44149), (145, 44146), (152, 44104), (153, 44101), (161, 44023), (166, 43993),

Gene: EpicPhail_80 Start: 45009, Stop: 44500, Start Num: 99

Candidate Starts for EpicPhail_80:

(Start: 99 @45009 has 68 MA's), (Start: 108 @44973 has 5 MA's), (114, 44922), (115, 44913), (124, 44847), (131, 44811), (137, 44763), (143, 44742), (152, 44682), (153, 44679), (154, 44676), (157, 44640), (164, 44577), (172, 44532),

Gene: Epsocamisio_81 Start: 45155, Stop: 44634, Start Num: 78

Candidate Starts for Epsocamisio_81:

(Start: 78 @45155 has 158 MA's), (107, 45110), (114, 45059), (115, 45050), (121, 45002), (137, 44900), (143, 44879), (159, 44741), (163, 44723), (166, 44711), (172, 44675),

Gene: Equemioh13_75 Start: 45271, Stop: 44696, Start Num: 78

Candidate Starts for Equemioh13_75:

(11, 45496), (18, 45475), (29, 45406), (Start: 56 @45313 has 4 MA's), (64, 45301), (Start: 72 @45283 has 33 MA's), (Start: 78 @45271 has 158 MA's), (114, 45154), (115, 45145), (118, 45118), (121, 45097), (137, 44995), (149, 44929), (153, 44908), (157, 44869), (166, 44806),

Gene: EricB_77 Start: 44171, Stop: 43656, Start Num: 78

Candidate Starts for EricB_77:

(Start: 72 @44183 has 33 MA's), (Start: 78 @44171 has 158 MA's), (114, 44084), (115, 44075), (121, 44027), (137, 43925), (143, 43904), (146, 43883), (153, 43841), (157, 43802),

Gene: Eris_69 Start: 44183, Stop: 43671, Start Num: 85

Candidate Starts for Eris_69:

(Start: 85 @44183 has 137 MA's), (Start: 108 @44135 has 5 MA's), (114, 44084), (124, 44009), (127, 43985), (129, 43979), (131, 43973), (137, 43922), (143, 43901), (153, 43844), (157, 43805), (172, 43703),

Gene: Eros_70 Start: 44173, Stop: 43661, Start Num: 85

Candidate Starts for Eros_70:

(Start: 85 @44173 has 137 MA's), (Start: 108 @44125 has 5 MA's), (114, 44074), (124, 43999), (127, 43975), (129, 43969), (131, 43963), (137, 43912), (143, 43891), (153, 43834), (157, 43795), (163, 43741), (172, 43693),

Gene: Espica_59 Start: 40065, Stop: 39541, Start Num: 82

Candidate Starts for Espica_59:

(Start: 82 @40065 has 23 MA's), (106, 40020), (110, 40002), (124, 39888), (131, 39852), (136, 39825), (137, 39804), (143, 39783), (144, 39768), (150, 39738), (151, 39735), (164, 39624), (166, 39615), (177, 39558),

Gene: Espresso_69 Start: 45130, Stop: 44618, Start Num: 93

Candidate Starts for Espresso_69:

(28, 45304), (37, 45271), (Start: 67 @45187 has 2 MA's), (Start: 93 @45130 has 198 MA's), (Start: 108 @45088 has 5 MA's), (114, 45037), (115, 45028), (121, 44980), (143, 44857), (149, 44815), (176, 44629),

Gene: Et2Brutus_77 Start: 44884, Stop: 44333, Start Num: 78

Candidate Starts for Et2Brutus_77:

(Start: 59 @44926 has 1 MA's), (Start: 72 @44896 has 33 MA's), (Start: 78 @44884 has 158 MA's), (94, 44857), (114, 44767), (116, 44743), (121, 44710), (137, 44608), (143, 44584), (144, 44569), (149, 44542), (153, 44521), (157, 44482), (172, 44383), (179, 44350),

Gene: Euphoria_76 Start: 47047, Stop: 46535, Start Num: 93

Candidate Starts for Euphoria_76:

(28, 47221), (37, 47188), (Start: 67 @47104 has 2 MA's), (Start: 93 @47047 has 198 MA's), (Start: 108 @47005 has 5 MA's), (114, 46954), (115, 46945), (121, 46897), (143, 46774), (149, 46732), (176, 46546),

Gene: Eurydice_71 Start: 44207, Stop: 43695, Start Num: 85

Candidate Starts for Eurydice_71:

(Start: 85 @44207 has 137 MA's), (Start: 108 @44159 has 5 MA's), (114, 44108), (124, 44033), (127, 44009), (131, 43997), (137, 43946), (143, 43925), (153, 43868), (163, 43775), (172, 43727),

Gene: EvilGenius_75 Start: 46857, Stop: 46282, Start Num: 78

Candidate Starts for EvilGenius_75:

(Start: 35 @46977 has 1 MA's), (Start: 56 @46899 has 4 MA's), (64, 46887), (Start: 72 @46869 has 33 MA's), (Start: 78 @46857 has 158 MA's), (114, 46740), (115, 46731), (121, 46683), (137, 46581), (153, 46494), (157, 46455), (160, 46419), (166, 46392), (172, 46329),

Gene: Expelliarmus_81 Start: 45856, Stop: 45314, Start Num: 74

Candidate Starts for Expelliarmus_81:

(Start: 74 @45856 has 3 MA's), (Start: 97 @45817 has 9 MA's), (104, 45793), (110, 45769), (114, 45730), (123, 45658), (125, 45652), (127, 45631), (131, 45619), (143, 45550), (157, 45448), (169, 45364), (172, 45346), (174, 45334),

Gene: ExplosioNervosa_75 Start: 44506, Stop: 43970, Start Num: 78

Candidate Starts for ExplosioNervosa_75:

(Start: 72 @44518 has 33 MA's), (Start: 78 @44506 has 158 MA's), (114, 44410), (115, 44401), (116, 44386), (121, 44353), (143, 44230), (144, 44215), (145, 44212), (152, 44170), (153, 44167), (161, 44089), (166, 44059),

Gene: Eyeball_74 Start: 46332, Stop: 45820, Start Num: 93

Candidate Starts for Eyeball_74:

(28, 46506), (37, 46473), (Start: 67 @46389 has 2 MA's), (Start: 93 @46332 has 198 MA's), (Start: 108 @46290 has 5 MA's), (114, 46239), (115, 46230), (121, 46182), (143, 46059), (149, 46017), (176, 45831),

Gene: Fajezeel_78 Start: 47568, Stop: 47056, Start Num: 93

Candidate Starts for Fajezeel_78:

(28, 47742), (37, 47709), (Start: 67 @47625 has 2 MA's), (Start: 93 @47568 has 198 MA's), (Start: 108 @47526 has 5 MA's), (114, 47475), (115, 47466), (121, 47418), (143, 47295), (149, 47253), (176, 47067),

Gene: Fameo_74 Start: 45363, Stop: 44785, Start Num: 78

Candidate Starts for Fameo_74:

(Start: 35 @45483 has 1 MA's), (Start: 56 @45405 has 4 MA's), (64, 45393), (Start: 72 @45375 has 33 MA's), (Start: 78 @45363 has 158 MA's), (114, 45246), (115, 45237), (121, 45189), (137, 45087), (153, 45000), (156, 44970), (157, 44961), (166, 44898),

Gene: Farber_79 Start: 44995, Stop: 44486, Start Num: 99

Candidate Starts for Farber_79:

(Start: 99 @44995 has 68 MA's), (Start: 108 @44959 has 5 MA's), (114, 44908), (115, 44899), (124, 44833), (131, 44797), (137, 44749), (143, 44728), (152, 44668), (153, 44665), (154, 44662), (157, 44626), (164, 44563), (172, 44518),

Gene: Fascinus_71 Start: 46856, Stop: 46344, Start Num: 93

Candidate Starts for Fascinus_71:

(28, 47030), (33, 47012), (37, 46997), (Start: 67 @46913 has 2 MA's), (Start: 93 @46856 has 198 MA's), (Start: 108 @46814 has 5 MA's), (114, 46763), (115, 46754), (121, 46706), (127, 46664), (143, 46583), (149, 46541), (176, 46355),

Gene: Fayely_75 Start: 44407, Stop: 43871, Start Num: 78

Candidate Starts for Fayely_75:

(Start: 72 @44419 has 33 MA's), (Start: 78 @44407 has 158 MA's), (114, 44311), (115, 44302), (116, 44287), (121, 44254), (143, 44131), (144, 44116), (145, 44113), (152, 44071), (153, 44068), (161, 43990), (166, 43960),

Gene: Fenn_78 Start: 47387, Stop: 46875, Start Num: 93

Candidate Starts for Fenn_78:

(28, 47561), (37, 47528), (Start: 67 @47444 has 2 MA's), (Start: 93 @47387 has 198 MA's), (Start: 108 @47345 has 5 MA's), (114, 47294), (115, 47285), (121, 47237), (143, 47114), (149, 47072), (176, 46886),

Gene: Fernando_79 Start: 45008, Stop: 44499, Start Num: 99

Candidate Starts for Fernando_79:

(Start: 99 @45008 has 68 MA's), (Start: 108 @44972 has 5 MA's), (114, 44921), (115, 44912), (124, 44846), (131, 44810), (137, 44762), (143, 44741), (152, 44681), (153, 44678), (154, 44675), (157, 44639), (164, 44576), (172, 44531),

Gene: Fibonacci_77 Start: 44902, Stop: 44339, Start Num: 72

Candidate Starts for Fibonacci_77:

(Start: 59 @44932 has 1 MA's), (Start: 72 @44902 has 33 MA's), (Start: 78 @44890 has 158 MA's), (94, 44863), (114, 44773), (116, 44749), (121, 44716), (137, 44614), (143, 44590), (144, 44575), (149, 44548), (153, 44527), (157, 44488), (172, 44389), (179, 44356),

Gene: FiringLine_76 Start: 45718, Stop: 45143, Start Num: 78

Candidate Starts for FiringLine_76:

(Start: 56 @45760 has 4 MA's), (64, 45748), (Start: 72 @45730 has 33 MA's), (Start: 78 @45718 has 158 MA's), (114, 45601), (115, 45592), (121, 45544), (137, 45442), (153, 45355), (157, 45316), (166, 45253),

Gene: First_0076 Start: 45400, Stop: 44828, Start Num: 78

Candidate Starts for First_0076:

(Start: 78 @45400 has 158 MA's), (114, 45283), (115, 45274), (118, 45247), (121, 45226), (137, 45124), (140, 45115), (153, 45037), (157, 44998), (164, 44944),

Gene: Flare16_76 Start: 45412, Stop: 44843, Start Num: 78

Candidate Starts for Flare16_76:

(Start: 56 @45454 has 4 MA's), (64, 45442), (Start: 72 @45424 has 33 MA's), (Start: 78 @45412 has 158 MA's), (114, 45295), (115, 45286), (118, 45259), (121, 45238), (137, 45136), (149, 45070), (153, 45049), (157, 45010), (166, 44947),

Gene: Flathead_38 Start: 31750, Stop: 31238, Start Num: 93

Candidate Starts for Flathead_38:

(Start: 93 @31750 has 198 MA's), (Start: 108 @31708 has 5 MA's), (114, 31657), (115, 31648), (121, 31600), (143, 31477), (149, 31435), (176, 31249),

Gene: Flaverint_79 Start: 45348, Stop: 44797, Start Num: 78

Candidate Starts for Flaverint_79:

(Start: 59 @45390 has 1 MA's), (Start: 72 @45360 has 33 MA's), (Start: 78 @45348 has 158 MA's), (94, 45321), (114, 45231), (116, 45207), (121, 45174), (137, 45072), (143, 45048), (144, 45033), (149, 45006), (153, 44985), (157, 44946), (172, 44847), (179, 44814),

Gene: Florean_70 Start: 44170, Stop: 43658, Start Num: 85

Candidate Starts for Florean_70:

(Start: 85 @44170 has 137 MA's), (Start: 108 @44122 has 5 MA's), (114, 44071), (124, 43996), (127, 43972), (129, 43966), (131, 43960), (137, 43909), (143, 43888), (153, 43831), (157, 43792), (163, 43738), (172, 43690),

Gene: Flux_70 Start: 44170, Stop: 43658, Start Num: 85

Candidate Starts for Flux_70:

(Start: 85 @44170 has 137 MA's), (Start: 108 @44122 has 5 MA's), (114, 44071), (124, 43996), (127, 43972), (129, 43966), (131, 43960), (137, 43909), (143, 43888), (153, 43831), (157, 43792), (172, 43690),

Gene: FlyCatcher_75 Start: 48186, Stop: 47677, Start Num: 85

Candidate Starts for FlyCatcher_75:

(77, 48204), (Start: 85 @48186 has 137 MA's), (114, 48087), (121, 48030), (123, 48015), (124, 48012), (125, 48009), (127, 47988), (131, 47976), (143, 47907), (153, 47850), (164, 47754), (172, 47709),

Gene: Forsytheast_77 Start: 47070, Stop: 46555, Start Num: 93

Candidate Starts for Forsytheast_77:

(28, 47244), (37, 47211), (Start: 67 @47127 has 2 MA's), (Start: 93 @47070 has 198 MA's), (Start: 108 @47028 has 5 MA's), (114, 46977), (115, 46968), (121, 46920), (137, 46818), (143, 46797), (149, 46755), (169, 46611), (176, 46569),

Gene: Francis47_77 Start: 48939, Stop: 48427, Start Num: 93

Candidate Starts for Francis47_77:

(28, 49113), (37, 49080), (Start: 67 @48996 has 2 MA's), (Start: 93 @48939 has 198 MA's), (Start: 108 @48897 has 5 MA's), (114, 48846), (115, 48837), (121, 48789), (143, 48666), (149, 48624), (176, 48438),

Gene: Fred313_71 Start: 44311, Stop: 43799, Start Num: 85

Candidate Starts for Fred313_71:

(Start: 61 @44365 has 9 MA's), (Start: 85 @44311 has 137 MA's), (Start: 90 @44305 has 3 MA's), (114, 44212), (124, 44137), (125, 44134), (127, 44113), (132, 44089), (137, 44050), (141, 44035), (143, 44029), (157, 43933), (164, 43876), (172, 43831),

Gene: Fruitloop_37 Start: 31358, Stop: 30786, Start Num: 63

Candidate Starts for Fruitloop_37:

(Start: 63 @31358 has 1 MA's), (Start: 93 @31298 has 198 MA's), (Start: 108 @31256 has 5 MA's), (114, 31205), (115, 31196), (121, 31148), (127, 31106), (143, 31025), (149, 30983), (176, 30797),

Gene: Funston_69 Start: 44168, Stop: 43656, Start Num: 85

Candidate Starts for Funston_69:

(Start: 85 @44168 has 137 MA's), (Start: 108 @44120 has 5 MA's), (114, 44069), (124, 43994), (127, 43970), (129, 43964), (131, 43958), (137, 43907), (143, 43886), (153, 43829), (157, 43790), (172, 43688),

Gene: Fushigi_69 Start: 43388, Stop: 42876, Start Num: 93

Candidate Starts for Fushigi_69:

(28, 43562), (37, 43529), (Start: 67 @43445 has 2 MA's), (Start: 93 @43388 has 198 MA's), (Start: 108 @43346 has 5 MA's), (114, 43295), (115, 43286), (121, 43238), (143, 43115), (149, 43073), (176, 42887),

Gene: Gadost_70 Start: 44172, Stop: 43660, Start Num: 85

Candidate Starts for Gadost_70:

(Start: 85 @44172 has 137 MA's), (Start: 108 @44124 has 5 MA's), (114, 44073), (124, 43998), (127, 43974), (129, 43968), (131, 43962), (137, 43911), (143, 43890), (153, 43833), (157, 43794), (172, 43692),

Gene: GageAP_78 Start: 48292, Stop: 47780, Start Num: 93

Candidate Starts for GageAP_78:

(28, 48466), (37, 48433), (Start: 67 @48349 has 2 MA's), (Start: 93 @48292 has 198 MA's), (Start: 108 @48250 has 5 MA's), (114, 48199), (115, 48190), (121, 48142), (143, 48019), (149, 47977), (176, 47791),

Gene: Gail_77 Start: 45694, Stop: 45167, Start Num: 78

Candidate Starts for Gail_77:

(Start: 72 @45706 has 33 MA's), (Start: 78 @45694 has 158 MA's), (114, 45592), (116, 45568), (117, 45559), (121, 45535), (124, 45517), (137, 45433), (138, 45430), (143, 45412), (147, 45388), (152, 45352), (158, 45286), (160, 45274), (169, 45229), (172, 45211),

Gene: Galactic_41 Start: 32019, Stop: 31483, Start Num: 73

Candidate Starts for Galactic_41:

(Start: 73 @32019 has 14 MA's), (Start: 108 @31953 has 5 MA's), (114, 31902), (115, 31893), (121, 31845), (127, 31803), (143, 31722), (149, 31680), (176, 31494),

Gene: Gandalf20_74 Start: 46415, Stop: 45903, Start Num: 93

Candidate Starts for Gandalf20_74:

(28, 46589), (37, 46556), (Start: 67 @46472 has 2 MA's), (Start: 93 @46415 has 198 MA's), (Start: 108 @46373 has 5 MA's), (114, 46322), (115, 46313), (121, 46265), (143, 46142), (149, 46100), (176, 45914),

Gene: Garak_79 Start: 44341, Stop: 43826, Start Num: 78

Candidate Starts for Garak_79:

(Start: 61 @44377 has 9 MA's), (Start: 72 @44353 has 33 MA's), (Start: 78 @44341 has 158 MA's), (Start: 103 @44317 has 1 MA's), (114, 44254), (121, 44197), (137, 44095), (143, 44074), (153, 44011), (157, 43972), (164, 43918), (166, 43909), (178, 43846),

Gene: GaugeLDP_71 Start: 44968, Stop: 44396, Start Num: 78

Candidate Starts for GaugeLDP_71:

(Start: 72 @44980 has 33 MA's), (Start: 78 @44968 has 158 MA's), (94, 44941), (107, 44902), (114, 44851), (121, 44794), (137, 44692), (149, 44626), (153, 44605), (157, 44566), (158, 44542), (168, 44470), (179, 44416),

Gene: Gemma_76 Start: 44815, Stop: 44306, Start Num: 99

Candidate Starts for Gemma_76:

(Start: 99 @44815 has 68 MA's), (Start: 108 @44779 has 5 MA's), (114, 44728), (115, 44719), (124, 44653), (131, 44617), (137, 44569), (143, 44548), (152, 44488), (153, 44485), (157, 44446), (164, 44383), (172, 44338),

Gene: Georgie2_77 Start: 45763, Stop: 45188, Start Num: 78

Candidate Starts for Georgie2_77:

(Start: 56 @45805 has 4 MA's), (64, 45793), (Start: 72 @45775 has 33 MA's), (Start: 78 @45763 has 158 MA's), (114, 45646), (115, 45637), (121, 45589), (137, 45487), (153, 45400), (157, 45361), (166, 45298),

Gene: Gilberta_75 Start: 44224, Stop: 43673, Start Num: 78

Candidate Starts for Gilberta_75:

(Start: 59 @44266 has 1 MA's), (Start: 72 @44236 has 33 MA's), (Start: 78 @44224 has 158 MA's), (94, 44197), (114, 44107), (116, 44083), (121, 44050), (137, 43948), (143, 43924), (144, 43909), (149, 43882), (153, 43861), (157, 43822), (172, 43723), (179, 43690),

Gene: GingkoMaracino_79 Start: 44891, Stop: 44382, Start Num: 99

Candidate Starts for GingkoMaracino_79:

(Start: 99 @44891 has 68 MA's), (Start: 108 @44855 has 5 MA's), (114, 44804), (115, 44795), (124, 44729), (131, 44693), (137, 44645), (143, 44624), (152, 44564), (153, 44561), (154, 44558), (157, 44522), (164, 44459), (172, 44414),

Gene: Giroux_72 Start: 44691, Stop: 44179, Start Num: 85

Candidate Starts for Giroux_72:

(80, 44700), (Start: 85 @44691 has 137 MA's), (Start: 90 @44685 has 3 MA's), (114, 44592), (124, 44517), (127, 44493), (129, 44487), (132, 44469), (137, 44430), (141, 44415), (143, 44409), (157, 44313), (164, 44256), (172, 44211),

Gene: Gladiator_75 Start: 44280, Stop: 43729, Start Num: 61

Candidate Starts for Gladiator_75:

(Start: 61 @44280 has 9 MA's), (Start: 72 @44256 has 33 MA's), (Start: 78 @44244 has 158 MA's), (Start: 103 @44220 has 1 MA's), (114, 44157), (121, 44100), (137, 43998), (143, 43977), (153, 43914), (157, 43875), (164, 43821), (166, 43812), (178, 43749),

Gene: Gompeii16_76 Start: 48939, Stop: 48427, Start Num: 93

Candidate Starts for Gompeii16_76:

(28, 49113), (37, 49080), (Start: 67 @48996 has 2 MA's), (Start: 93 @48939 has 198 MA's), (Start: 108 @48897 has 5 MA's), (114, 48846), (115, 48837), (121, 48789), (143, 48666), (149, 48624), (176, 48438),

Gene: Goose_71 Start: 43816, Stop: 43310, Start Num: 86

Candidate Starts for Goose_71:

(Start: 58 @43879 has 1 MA's), (66, 43864), (Start: 86 @43816 has 10 MA's), (Start: 88 @43813 has 5 MA's), (114, 43720), (116, 43696), (121, 43663), (124, 43645), (127, 43621), (137, 43561), (143, 43540), (159, 43408), (172, 43342), (176, 43321),

Gene: Graduation_78 Start: 46915, Stop: 46403, Start Num: 93

Candidate Starts for Graduation_78:

(28, 47089), (37, 47056), (Start: 67 @46972 has 2 MA's), (Start: 93 @46915 has 198 MA's), (Start: 108 @46873 has 5 MA's), (114, 46822), (115, 46813), (121, 46765), (127, 46723), (143, 46642), (149, 46600), (176, 46414),

Gene: GrecoEtereo_79 Start: 48044, Stop: 47532, Start Num: 93

Candidate Starts for GrecoEtereo_79:

(28, 48218), (37, 48185), (Start: 67 @48101 has 2 MA's), (Start: 93 @48044 has 198 MA's), (Start: 108 @48002 has 5 MA's), (114, 47951), (115, 47942), (121, 47894), (143, 47771), (149, 47729), (176, 47543),

Gene: GreedyLawyer_73 Start: 44144, Stop: 43629, Start Num: 78

Candidate Starts for GreedyLawyer_73:

(Start: 72 @44156 has 33 MA's), (Start: 78 @44144 has 158 MA's), (114, 44057), (115, 44048), (121, 44000), (137, 43898), (143, 43877), (146, 43856), (153, 43814), (157, 43775),

Gene: Greg_78 Start: 47568, Stop: 47056, Start Num: 93

Candidate Starts for Greg_78:

(28, 47742), (37, 47709), (Start: 67 @47625 has 2 MA's), (Start: 93 @47568 has 198 MA's), (Start: 108 @47526 has 5 MA's), (114, 47475), (115, 47466), (121, 47418), (143, 47295), (149, 47253), (176, 47067),

Gene: Grif_77 Start: 45082, Stop: 44573, Start Num: 99

Candidate Starts for Grif_77:

(Start: 99 @45082 has 68 MA's), (Start: 108 @45046 has 5 MA's), (114, 44995), (115, 44986), (124, 44920), (131, 44884), (137, 44836), (143, 44815), (152, 44755), (153, 44752), (154, 44749), (157, 44713), (164, 44650), (172, 44605),

Gene: Groundhog_82 Start: 45873, Stop: 45370, Start Num: 97

Candidate Starts for Groundhog_82:

(Start: 74 @45912 has 3 MA's), (Start: 97 @45873 has 9 MA's), (104, 45849), (110, 45825), (114, 45786), (123, 45714), (125, 45708), (127, 45687), (131, 45675), (143, 45606), (157, 45504), (169, 45420), (172, 45402), (174, 45390),

Gene: Groupthink_79 Start: 44816, Stop: 44307, Start Num: 99

Candidate Starts for Groupthink_79:

(Start: 99 @44816 has 68 MA's), (Start: 108 @44780 has 5 MA's), (114, 44729), (115, 44720), (124, 44654), (131, 44618), (137, 44570), (143, 44549), (152, 44489), (153, 44486), (157, 44447), (164, 44384), (172, 44339),

Gene: Grum1_78 Start: 45008, Stop: 44499, Start Num: 99

Candidate Starts for Grum1_78:

(Start: 99 @45008 has 68 MA's), (Start: 108 @44972 has 5 MA's), (114, 44921), (115, 44912), (124, 44846), (131, 44810), (137, 44762), (143, 44741), (152, 44681), (153, 44678), (154, 44675), (157, 44639), (164, 44576), (172, 44531),

Gene: Gruunaga_77 Start: 44235, Stop: 43684, Start Num: 61

Candidate Starts for Gruunaga_77:

(Start: 61 @44235 has 9 MA's), (Start: 72 @44211 has 33 MA's), (Start: 78 @44199 has 158 MA's), (Start: 103 @44175 has 1 MA's), (114, 44112), (121, 44055), (137, 43953), (143, 43932), (153, 43869), (157, 43830), (164, 43776), (166, 43767), (178, 43704),

Gene: GtownJaz_79 Start: 45006, Stop: 44497, Start Num: 99

Candidate Starts for GtownJaz_79:

(Start: 99 @45006 has 68 MA's), (Start: 108 @44970 has 5 MA's), (114, 44919), (115, 44910), (124, 44844), (131, 44808), (137, 44760), (143, 44739), (152, 44679), (153, 44676), (154, 44673), (157, 44637), (164, 44574), (172, 44529),

Gene: Gwendoluna_79 Start: 47881, Stop: 47369, Start Num: 93

Candidate Starts for Gwendoluna_79:

(28, 48055), (37, 48022), (Start: 67 @47938 has 2 MA's), (Start: 93 @47881 has 198 MA's), (Start: 108 @47839 has 5 MA's), (114, 47788), (115, 47779), (121, 47731), (143, 47608), (149, 47566), (176, 47380),

Gene: HINdeR_70 Start: 46802, Stop: 46296, Start Num: 84

Candidate Starts for HINdeR_70:

(Start: 84 @46802 has 3 MA's), (125, 46628), (131, 46595), (143, 46526), (147, 46502), (153, 46469), (157, 46430), (164, 46373), (172, 46328),

Gene: HamSlice_66 Start: 44170, Stop: 43658, Start Num: 85

Candidate Starts for HamSlice_66:

(Start: 85 @44170 has 137 MA's), (Start: 108 @44122 has 5 MA's), (114, 44071), (124, 43996), (127, 43972), (129, 43966), (131, 43960), (137, 43909), (143, 43888), (153, 43831), (157, 43792), (172, 43690),

Gene: Hami1_68 Start: 41281, Stop: 40769, Start Num: 93

Candidate Starts for Hami1_68:

(28, 41455), (37, 41422), (53, 41359), (Start: 67 @41338 has 2 MA's), (Start: 93 @41281 has 198 MA's), (Start: 108 @41239 has 5 MA's), (114, 41188), (115, 41179), (121, 41131), (143, 41008), (149, 40966),

Gene: Hammer_78 Start: 43942, Stop: 43391, Start Num: 61

Candidate Starts for Hammer_78:

(Start: 61 @43942 has 9 MA's), (Start: 72 @43918 has 33 MA's), (Start: 78 @43906 has 158 MA's), (Start: 103 @43882 has 1 MA's), (114, 43819), (121, 43762), (137, 43660), (143, 43639), (153, 43576), (157, 43537), (164, 43483), (166, 43474), (178, 43411),

Gene: Hanray_75 Start: 44771, Stop: 44235, Start Num: 78

Candidate Starts for Hanray_75:

(Start: 72 @44783 has 33 MA's), (Start: 78 @44771 has 158 MA's), (114, 44675), (115, 44666), (116, 44651), (121, 44618), (143, 44495), (144, 44480), (145, 44477), (152, 44435), (153, 44432), (161, 44354),

Gene: Happiness_69 Start: 44190, Stop: 43678, Start Num: 85

Candidate Starts for Happiness_69:

(Start: 85 @44190 has 137 MA's), (Start: 108 @44142 has 5 MA's), (114, 44091), (124, 44016), (127, 43992), (131, 43980), (137, 43929), (143, 43908), (153, 43851), (172, 43710),

Gene: Harlequin_57 Start: 39912, Stop: 39388, Start Num: 82

Candidate Starts for Harlequin_57:

(Start: 82 @39912 has 23 MA's), (110, 39849), (124, 39735), (131, 39699), (136, 39672), (137, 39651), (143, 39630), (144, 39615), (152, 39570), (164, 39471), (166, 39462), (177, 39405),

Gene: HarryHoudini_76 Start: 45446, Stop: 44871, Start Num: 78

Candidate Starts for HarryHoudini_76:

(Start: 56 @45488 has 4 MA's), (64, 45476), (Start: 72 @45458 has 33 MA's), (Start: 78 @45446 has 158 MA's), (114, 45329), (115, 45320), (118, 45293), (121, 45272), (137, 45170), (149, 45104), (153, 45083), (157, 45044), (166, 44981),

Gene: HarryOW_76 Start: 48092, Stop: 47580, Start Num: 93

Candidate Starts for HarryOW_76:

(28, 48266), (37, 48233), (Start: 67 @48149 has 2 MA's), (Start: 93 @48092 has 198 MA's), (Start: 108 @48050 has 5 MA's), (114, 47999), (115, 47990), (121, 47942), (143, 47819), (149, 47777), (176, 47591),

Gene: HashRod_80 Start: 45033, Stop: 44524, Start Num: 99

Candidate Starts for HashRod_80:

(Start: 76 @45069 has 3 MA's), (Start: 99 @45033 has 68 MA's), (Start: 108 @44997 has 5 MA's), (114, 44946), (124, 44871), (131, 44835), (137, 44787), (143, 44766), (152, 44706), (153, 44703), (154, 44700), (157, 44664), (164, 44601), (172, 44556),

Gene: HaveUMetTed_79 Start: 44804, Stop: 44295, Start Num: 99

Candidate Starts for HaveUMetTed_79:

(Start: 99 @44804 has 68 MA's), (Start: 108 @44768 has 5 MA's), (114, 44717), (115, 44708), (124, 44642), (131, 44606), (137, 44558), (143, 44537), (152, 44477), (153, 44474), (157, 44435), (164, 44372), (172, 44327),

Gene: Heathen_73 Start: 44400, Stop: 43894, Start Num: 90

Candidate Starts for Heathen_73:

(Start: 85 @44406 has 137 MA's), (Start: 90 @44400 has 3 MA's), (114, 44307), (124, 44232), (125, 44229), (127, 44208), (132, 44184), (137, 44145), (141, 44130), (143, 44124), (157, 44028), (164, 43971), (172, 43926),

Gene: Heffalump_73 Start: 45831, Stop: 45253, Start Num: 78

Candidate Starts for Heffalump_73:

(Start: 35 @45951 has 1 MA's), (Start: 56 @45873 has 4 MA's), (64, 45861), (Start: 72 @45843 has 33 MA's), (Start: 78 @45831 has 158 MA's), (114, 45714), (115, 45705), (121, 45657), (137, 45555), (153, 45468), (156, 45438), (157, 45429), (166, 45366),

Gene: HelDan_73 Start: 44622, Stop: 44110, Start Num: 85

Candidate Starts for HelDan_73:

(Start: 61 @44676 has 9 MA's), (Start: 85 @44622 has 137 MA's), (Start: 90 @44616 has 3 MA's), (114, 44523), (124, 44448), (125, 44445), (127, 44424), (132, 44400), (137, 44361), (141, 44346), (143, 44340), (157, 44244), (164, 44187), (172, 44142),

Gene: Heliosoles_76 Start: 44819, Stop: 44310, Start Num: 99

Candidate Starts for Heliosoles_76:

(Start: 99 @44819 has 68 MA's), (Start: 108 @44783 has 5 MA's), (114, 44732), (115, 44723), (124, 44657), (131, 44621), (137, 44573), (143, 44552), (152, 44492), (153, 44489), (157, 44450), (164, 44387), (172, 44342),

Gene: Helmet_79 Start: 44341, Stop: 43826, Start Num: 78

Candidate Starts for Helmet_79:

(Start: 61 @44377 has 9 MA's), (Start: 72 @44353 has 33 MA's), (Start: 78 @44341 has 158 MA's), (Start: 103 @44317 has 1 MA's), (114, 44254), (121, 44197), (137, 44095), (143, 44074), (153, 44011), (157, 43972), (164, 43918), (166, 43909), (178, 43846),

Gene: Herbertwm_72 Start: 45070, Stop: 44522, Start Num: 72

Candidate Starts for Herbertwm_72:

(52, 45109), (60, 45097), (Start: 72 @45070 has 33 MA's), (Start: 78 @45058 has 158 MA's), (114, 44953), (121, 44896), (133, 44830), (137, 44794), (143, 44773), (147, 44749), (150, 44728), (160, 44632), (172, 44569),

Gene: Hercules11_79 Start: 45017, Stop: 44508, Start Num: 99

Candidate Starts for Hercules11_79:

(Start: 99 @45017 has 68 MA's), (Start: 108 @44981 has 5 MA's), (114, 44930), (115, 44921), (124, 44855), (131, 44819), (137, 44771), (143, 44750), (152, 44690), (153, 44687), (154, 44684), (157, 44648), (164, 44585), (172, 44540),

Gene: Hermia_70 Start: 44971, Stop: 44459, Start Num: 93

Candidate Starts for Hermia_70:

(28, 45145), (37, 45112), (Start: 67 @45028 has 2 MA's), (Start: 93 @44971 has 198 MA's), (Start: 108 @44929 has 5 MA's), (114, 44878), (115, 44869), (121, 44821), (143, 44698), (149, 44656), (176, 44470),

Gene: HermioneGrange_79 Start: 48356, Stop: 47844, Start Num: 93

Candidate Starts for HermioneGrange_79:

(Start: 67 @48413 has 2 MA's), (Start: 93 @48356 has 198 MA's), (Start: 108 @48314 has 5 MA's), (114, 48263), (115, 48254), (121, 48206), (137, 48104), (143, 48083), (149, 48041), (169, 47897), (176, 47855),

Gene: Hexamo_77 Start: 43911, Stop: 43360, Start Num: 61

Candidate Starts for Hexamo_77:

(Start: 61 @43911 has 9 MA's), (Start: 72 @43887 has 33 MA's), (Start: 78 @43875 has 158 MA's), (114, 43788), (121, 43731), (137, 43629), (143, 43608), (153, 43545), (157, 43506), (164, 43452), (166, 43443), (178, 43380),

Gene: Hiro_58 Start: 40386, Stop: 39862, Start Num: 82

Candidate Starts for Hiro_58:

(Start: 82 @40386 has 23 MA's), (106, 40341), (110, 40323), (124, 40209), (131, 40173), (136, 40146), (137, 40125), (143, 40104), (151, 40056), (164, 39945), (166, 39936), (177, 39879),

Gene: Horex_75 Start: 44787, Stop: 44251, Start Num: 78

Candidate Starts for Horex_75:

(Start: 72 @44799 has 33 MA's), (Start: 78 @44787 has 158 MA's), (114, 44691), (115, 44682), (116, 44667), (121, 44634), (143, 44511), (144, 44496), (145, 44493), (152, 44451), (153, 44448), (161, 44370),

Gene: Holli_69 Start: 43961, Stop: 43449, Start Num: 85

Candidate Starts for Holli_69:

(Start: 85 @43961 has 137 MA's), (Start: 108 @43913 has 5 MA's), (114, 43862), (124, 43787), (127, 43763), (129, 43757), (131, 43751), (137, 43700), (143, 43679), (153, 43622), (157, 43583), (163, 43529), (172, 43481),

Gene: Homines_63 Start: 41301, Stop: 40789, Start Num: 93

Candidate Starts for Homines_63:

(28, 41475), (37, 41442), (53, 41379), (Start: 67 @41358 has 2 MA's), (Start: 93 @41301 has 198 MA's), (Start: 108 @41259 has 5 MA's), (114, 41208), (115, 41199), (121, 41151), (143, 41028), (149, 40986), (176, 40800),

Gene: Hookmount_73 Start: 44647, Stop: 44138, Start Num: 85

Candidate Starts for Hookmount_73:

(Start: 85 @44647 has 137 MA's), (110, 44590), (114, 44551), (115, 44542), (123, 44479), (124, 44476), (129, 44446), (132, 44428), (137, 44389), (143, 44368), (157, 44272), (164, 44215), (172, 44170),

Gene: Hoot_73 Start: 42029, Stop: 41514, Start Num: 78

Candidate Starts for Hoot_73:

(Start: 72 @42041 has 33 MA's), (Start: 78 @42029 has 158 MA's), (114, 41942), (115, 41933), (121, 41885), (137, 41783), (143, 41762), (146, 41741), (153, 41699), (157, 41660),

Gene: Hope4ever_76 Start: 46572, Stop: 46060, Start Num: 93

Candidate Starts for Hope4ever_76:

(28, 46746), (37, 46713), (Start: 67 @46629 has 2 MA's), (Start: 93 @46572 has 198 MA's), (Start: 108 @46530 has 5 MA's), (114, 46479), (115, 46470), (121, 46422), (137, 46320), (143, 46299), (149, 46257), (169, 46113), (176, 46071),

Gene: HortumSL17_78 Start: 44781, Stop: 44233, Start Num: 72

Candidate Starts for HortumSL17_78:

(Start: 72 @44781 has 33 MA's), (Start: 78 @44769 has 158 MA's), (114, 44673), (115, 44664), (116, 44649), (121, 44616), (143, 44493), (144, 44478), (145, 44475), (152, 44433), (153, 44430), (161, 44352), (172, 44283),

Gene: Houdini22_69 Start: 44172, Stop: 43660, Start Num: 85

Candidate Starts for Houdini22_69:

(Start: 85 @44172 has 137 MA's), (Start: 108 @44124 has 5 MA's), (114, 44073), (124, 43998), (127, 43974), (129, 43968), (131, 43962), (137, 43911), (143, 43890), (153, 43833), (157, 43794), (172, 43692),

Gene: HyRo_222 Start: 131397, Stop: 131909, Start Num: 93

Candidate Starts for HyRo_222:

(Start: 67 @131340 has 2 MA's), (Start: 93 @131397 has 198 MA's), (Start: 108 @131439 has 5 MA's), (114, 131490), (115, 131499), (121, 131547), (137, 131649), (143, 131670), (149, 131712), (176, 131898),

Gene: ICleared_69 Start: 44239, Stop: 43727, Start Num: 85

Candidate Starts for ICleared_69:

(Start: 85 @44239 has 137 MA's), (Start: 108 @44191 has 5 MA's), (114, 44140), (124, 44065), (127, 44041), (129, 44035), (131, 44029), (137, 43978), (143, 43957), (157, 43861), (172, 43759),

Gene: ILeeKay_73 Start: 44882, Stop: 44370, Start Num: 93

Candidate Starts for ILeeKay_73:

(53, 44960), (Start: 67 @44939 has 2 MA's), (Start: 93 @44882 has 198 MA's), (Start: 108 @44840 has 5 MA's), (114, 44789), (115, 44780), (121, 44732), (127, 44690), (143, 44609), (149, 44567), (176, 44381),

Gene: IMPilo_38 Start: 30984, Stop: 30448, Start Num: 73

Candidate Starts for IMPilo_38:

(4, 31287), (47, 31044), (Start: 73 @30984 has 14 MA's), (Start: 108 @30918 has 5 MA's), (114, 30867), (115, 30858), (121, 30810), (127, 30768), (143, 30687), (149, 30645), (176, 30459),

Gene: Iceman_69 Start: 44460, Stop: 43948, Start Num: 85

Candidate Starts for Iceman_69:

(Start: 85 @44460 has 137 MA's), (Start: 108 @44412 has 5 MA's), (114, 44361), (124, 44286), (127, 44262), (129, 44256), (131, 44250), (137, 44199), (143, 44178), (153, 44121), (157, 44082), (172, 43980),

Gene: Ichabod_78 Start: 47129, Stop: 46617, Start Num: 93

Candidate Starts for Ichabod_78:

(28, 47303), (37, 47270), (Start: 67 @47186 has 2 MA's), (Start: 93 @47129 has 198 MA's), (Start: 108 @47087 has 5 MA's), (114, 47036), (115, 47027), (121, 46979), (143, 46856), (149, 46814), (176, 46628),

Gene: Idleandcovert_74 Start: 44692, Stop: 44180, Start Num: 85

Candidate Starts for Idleandcovert_74:

(80, 44701), (Start: 85 @44692 has 137 MA's), (Start: 90 @44686 has 3 MA's), (114, 44593), (124, 44518), (127, 44494), (129, 44488), (132, 44470), (137, 44431), (141, 44416), (143, 44410), (157, 44314), (164, 44257), (172, 44212),

Gene: IgnatiusPatJac_75 Start: 45747, Stop: 45235, Start Num: 93

Candidate Starts for IgnatiusPatJac_75:

(28, 45921), (37, 45888), (Start: 67 @45804 has 2 MA's), (Start: 93 @45747 has 198 MA's), (Start: 108 @45705 has 5 MA's), (114, 45654), (115, 45645), (121, 45597), (143, 45474), (149, 45432), (176, 45246),

Gene: Indra_81 Start: 44342, Stop: 43827, Start Num: 78

Candidate Starts for Indra_81:

(Start: 61 @44378 has 9 MA's), (Start: 72 @44354 has 33 MA's), (Start: 78 @44342 has 158 MA's), (Start: 103 @44318 has 1 MA's), (114, 44255), (121, 44198), (137, 44096), (143, 44075), (153, 44012), (157, 43973), (164, 43919), (166, 43910), (178, 43847),

Gene: Insomnia_77 Start: 45065, Stop: 44514, Start Num: 78

Candidate Starts for Insomnia_77:

(Start: 59 @45107 has 1 MA's), (Start: 72 @45077 has 33 MA's), (Start: 78 @45065 has 158 MA's), (94, 45038), (114, 44948), (116, 44924), (121, 44891), (137, 44789), (143, 44765), (144, 44750), (149, 44723), (153, 44702), (157, 44663), (172, 44564), (179, 44531),

Gene: Inyanga_67 Start: 45075, Stop: 44563, Start Num: 93

Candidate Starts for Inyanga_67:

(28, 45249), (37, 45216), (Start: 67 @45132 has 2 MA's), (Start: 93 @45075 has 198 MA's), (Start: 108 @45033 has 5 MA's), (114, 44982), (115, 44973), (121, 44925), (143, 44802), (149, 44760), (176, 44574),

Gene: Iracema64_70 Start: 44435, Stop: 43923, Start Num: 85

Candidate Starts for Iracema64_70:

(Start: 85 @44435 has 137 MA's), (Start: 108 @44387 has 5 MA's), (114, 44336), (124, 44261), (127, 44237), (129, 44231), (131, 44225), (137, 44174), (143, 44153), (153, 44096), (157, 44057), (172, 43955),

Gene: IronMan_73 Start: 46531, Stop: 45974, Start Num: 72

Candidate Starts for IronMan_73:

(Start: 72 @46531 has 33 MA's), (Start: 78 @46519 has 158 MA's), (114, 46402), (121, 46345), (137, 46243), (143, 46219), (157, 46117), (172, 46018),

Gene: Isca_71 Start: 44174, Stop: 43662, Start Num: 85

Candidate Starts for Isca_71:

(80, 44183), (Start: 85 @44174 has 137 MA's), (114, 44075), (124, 44000), (129, 43970), (132, 43952), (137, 43913), (143, 43892), (157, 43796), (164, 43739), (172, 43694),

Gene: Isiphiwo_75 Start: 44195, Stop: 43680, Start Num: 78

Candidate Starts for Isiphiwo_75:

(Start: 72 @44207 has 33 MA's), (Start: 78 @44195 has 158 MA's), (114, 44108), (115, 44099), (121, 44051), (137, 43949), (143, 43928), (146, 43907), (153, 43865), (157, 43826),

Gene: Iwokeuplikedis_77 Start: 45892, Stop: 45314, Start Num: 78

Candidate Starts for Iwokeuplikedis_77:

(Start: 78 @45892 has 158 MA's), (114, 45775), (115, 45766), (120, 45724), (121, 45718), (126, 45691), (137, 45616), (147, 45568), (149, 45550), (153, 45529), (157, 45490), (158, 45466), (166, 45427), (179, 45331),

Gene: JC27_76 Start: 46157, Stop: 45645, Start Num: 93

Candidate Starts for JC27_76:

(28, 46331), (37, 46298), (Start: 67 @46214 has 2 MA's), (Start: 93 @46157 has 198 MA's), (Start: 108 @46115 has 5 MA's), (114, 46064), (115, 46055), (121, 46007), (143, 45884), (149, 45842), (176,

45656),

Gene: JHC117_74 Start: 45003, Stop: 44494, Start Num: 99

Candidate Starts for JHC117_74:

(Start: 99 @45003 has 68 MA's), (114, 44916), (115, 44907), (124, 44841), (131, 44805), (137, 44757), (143, 44736), (152, 44676), (153, 44673), (154, 44670), (157, 44634), (164, 44571), (172, 44526),

Gene: JSwag_84 Start: 45440, Stop: 44919, Start Num: 78

Candidate Starts for JSwag_84:

(Start: 78 @45440 has 158 MA's), (107, 45395), (114, 45344), (115, 45335), (121, 45287), (137, 45185), (143, 45164), (159, 45026), (163, 45008), (166, 44996), (172, 44960),

Gene: Jaan_74 Start: 46696, Stop: 46139, Start Num: 72

Candidate Starts for Jaan_74:

(Start: 72 @46696 has 33 MA's), (Start: 78 @46684 has 158 MA's), (Start: 93 @46657 has 198 MA's), (Start: 103 @46630 has 1 MA's), (114, 46567), (115, 46558), (116, 46543), (121, 46510), (137, 46408), (143, 46384), (153, 46321), (157, 46282), (172, 46183),

Gene: Jabith_77 Start: 45082, Stop: 44531, Start Num: 78

Candidate Starts for Jabith_77:

(Start: 59 @45124 has 1 MA's), (Start: 72 @45094 has 33 MA's), (Start: 78 @45082 has 158 MA's), (94, 45055), (114, 44965), (116, 44941), (121, 44908), (137, 44806), (143, 44782), (144, 44767), (149, 44740), (153, 44719), (157, 44680), (172, 44581), (179, 44548),

Gene: JackSparrow_76 Start: 45982, Stop: 45470, Start Num: 93

Candidate Starts for JackSparrow_76:

(28, 46156), (37, 46123), (Start: 67 @46039 has 2 MA's), (Start: 93 @45982 has 198 MA's), (Start: 108 @45940 has 5 MA's), (114, 45889), (115, 45880), (121, 45832), (143, 45709), (149, 45667), (176, 45481),

Gene: Jasper_74 Start: 44734, Stop: 44222, Start Num: 93

Candidate Starts for Jasper_74:

(17, 44971), (28, 44908), (33, 44890), (37, 44875), (53, 44812), (Start: 67 @44791 has 2 MA's), (Start: 93 @44734 has 198 MA's), (Start: 108 @44692 has 5 MA's), (114, 44641), (115, 44632), (121, 44584), (143, 44461), (149, 44419), (176, 44233),

Gene: Jaykayelowell_67 Start: 44164, Stop: 43652, Start Num: 85

Candidate Starts for Jaykayelowell_67:

(Start: 85 @44164 has 137 MA's), (Start: 108 @44116 has 5 MA's), (114, 44065), (124, 43990), (127, 43966), (129, 43960), (131, 43954), (137, 43903), (143, 43882), (153, 43825), (157, 43786), (172, 43684),

Gene: Jeeves_79 Start: 44610, Stop: 44083, Start Num: 78

Candidate Starts for Jeeves_79:

(Start: 78 @44610 has 158 MA's), (114, 44508), (116, 44484), (117, 44475), (121, 44451), (124, 44433), (137, 44349), (138, 44346), (143, 44328), (147, 44304), (160, 44190), (169, 44145), (172, 44127),

Gene: JenCasNa_80 Start: 45008, Stop: 44499, Start Num: 99

Candidate Starts for JenCasNa_80:

(Start: 99 @45008 has 68 MA's), (Start: 108 @44972 has 5 MA's), (114, 44921), (115, 44912), (124, 44846), (131, 44810), (137, 44762), (143, 44741), (152, 44681), (153, 44678), (154, 44675), (157,

44639), (164, 44576), (172, 44531),

Gene: JeppNRM_79 Start: 44817, Stop: 44308, Start Num: 99

Candidate Starts for JeppNRM_79:

(Start: 99 @44817 has 68 MA's), (Start: 108 @44781 has 5 MA's), (114, 44730), (115, 44721), (124, 44655), (131, 44619), (137, 44571), (143, 44550), (152, 44490), (153, 44487), (157, 44448), (164, 44385), (172, 44340),

Gene: Jerm_77 Start: 45848, Stop: 45261, Start Num: 72

Candidate Starts for Jerm_77:

(Start: 56 @45878 has 4 MA's), (64, 45866), (Start: 72 @45848 has 33 MA's), (Start: 78 @45836 has 158 MA's), (114, 45719), (115, 45710), (121, 45662), (137, 45560), (153, 45473), (157, 45434), (166, 45371),

Gene: Jerm2_77 Start: 48426, Stop: 47914, Start Num: 93

Candidate Starts for Jerm2_77:

(Start: 67 @48483 has 2 MA's), (Start: 93 @48426 has 198 MA's), (Start: 108 @48384 has 5 MA's), (114, 48333), (115, 48324), (121, 48276), (137, 48174), (143, 48153), (149, 48111), (169, 47967), (176, 47925),

Gene: Jester_57 Start: 39843, Stop: 39319, Start Num: 82

Candidate Starts for Jester_57:

(Start: 82 @39843 has 23 MA's), (110, 39780), (124, 39666), (131, 39630), (136, 39603), (137, 39582), (143, 39561), (144, 39546), (152, 39501), (164, 39402), (166, 39393), (177, 39336),

Gene: JetBlade_70 Start: 44198, Stop: 43686, Start Num: 85

Candidate Starts for JetBlade_70:

(Start: 85 @44198 has 137 MA's), (Start: 108 @44150 has 5 MA's), (114, 44099), (124, 44024), (127, 44000), (131, 43988), (137, 43937), (143, 43916), (153, 43859), (172, 43718),

Gene: Jiawan_74 Start: 44803, Stop: 44267, Start Num: 78

Candidate Starts for Jiawan_74:

(Start: 72 @44815 has 33 MA's), (Start: 78 @44803 has 158 MA's), (114, 44707), (115, 44698), (116, 44683), (121, 44650), (143, 44527), (144, 44512), (145, 44509), (152, 44467), (153, 44464), (161, 44386),

Gene: Jobu08_75 Start: 44833, Stop: 44324, Start Num: 99

Candidate Starts for Jobu08_75:

(Start: 99 @44833 has 68 MA's), (Start: 108 @44797 has 5 MA's), (114, 44746), (115, 44737), (124, 44671), (131, 44635), (137, 44587), (143, 44566), (152, 44506), (153, 44503), (157, 44464), (164, 44401), (172, 44356),

Gene: JoongJeon_69 Start: 44165, Stop: 43653, Start Num: 85

Candidate Starts for JoongJeon_69:

(Start: 85 @44165 has 137 MA's), (Start: 108 @44117 has 5 MA's), (114, 44066), (124, 43991), (127, 43967), (129, 43961), (131, 43955), (137, 43904), (143, 43883), (153, 43826), (157, 43787), (172, 43685),

Gene: Jordennis_76 Start: 44422, Stop: 43895, Start Num: 72

Candidate Starts for Jordennis_76:

(Start: 72 @44422 has 33 MA's), (Start: 78 @44410 has 158 MA's), (114, 44323), (115, 44314), (121, 44266), (137, 44164), (143, 44143), (146, 44122), (153, 44080), (157, 44041),

Gene: Jorgensen_82 Start: 48016, Stop: 47504, Start Num: 93

Candidate Starts for Jorgensen_82:

(28, 48190), (37, 48157), (Start: 67 @48073 has 2 MA's), (Start: 93 @48016 has 198 MA's), (Start: 108 @47974 has 5 MA's), (114, 47923), (115, 47914), (121, 47866), (143, 47743), (149, 47701), (176, 47515),

Gene: Joselito_77 Start: 45102, Stop: 44551, Start Num: 78

Candidate Starts for Joselito_77:

(Start: 59 @45144 has 1 MA's), (Start: 72 @45114 has 33 MA's), (Start: 78 @45102 has 158 MA's), (94, 45075), (114, 44985), (116, 44961), (121, 44928), (137, 44826), (143, 44802), (144, 44787), (149, 44760), (153, 44739), (157, 44700), (172, 44601), (179, 44568),

Gene: JoshKayV_76 Start: 45870, Stop: 45292, Start Num: 78

Candidate Starts for JoshKayV_76:

(Start: 78 @45870 has 158 MA's), (114, 45753), (115, 45744), (121, 45696), (137, 45594), (157, 45468), (166, 45405),

Gene: Journey13_65 Start: 42021, Stop: 41458, Start Num: 72

Candidate Starts for Journey13_65:

(Start: 72 @42021 has 33 MA's), (Start: 78 @42009 has 158 MA's), (96, 41982), (105, 41949), (107, 41943), (116, 41868), (137, 41733), (143, 41709), (148, 41682), (149, 41667), (153, 41646), (157, 41607), (164, 41553), (166, 41544),

Gene: Jsquared_79 Start: 44953, Stop: 44402, Start Num: 78

Candidate Starts for Jsquared_79:

(Start: 59 @44992 has 1 MA's), (Start: 72 @44965 has 33 MA's), (Start: 78 @44953 has 158 MA's), (96, 44926), (115, 44827), (116, 44812), (121, 44779), (137, 44677), (139, 44671), (143, 44653), (148, 44626), (149, 44611), (153, 44590), (157, 44551), (166, 44488),

Gene: Juice456_41 Start: 32453, Stop: 31941, Start Num: 93

Candidate Starts for Juice456_41:

(41, 32564), (Start: 93 @32453 has 198 MA's), (Start: 108 @32411 has 5 MA's), (114, 32360), (115, 32351), (121, 32303), (143, 32180), (149, 32138), (176, 31952),

Gene: JuliaChild_76 Start: 46975, Stop: 46463, Start Num: 93

Candidate Starts for JuliaChild_76:

(28, 47149), (37, 47116), (Start: 67 @47032 has 2 MA's), (Start: 93 @46975 has 198 MA's), (Start: 108 @46933 has 5 MA's), (114, 46882), (115, 46873), (121, 46825), (137, 46723), (143, 46702), (149, 46660), (169, 46516), (176, 46474),

Gene: JulietS_42 Start: 13163, Stop: 13675, Start Num: 93

Candidate Starts for JulietS_42:

(24, 12974), (Start: 83 @13151 has 3 MA's), (Start: 93 @13163 has 198 MA's), (Start: 108 @13205 has 5 MA's), (114, 13256), (115, 13265), (121, 13313), (127, 13355), (143, 13436), (149, 13478), (176, 13664),

Gene: KADY_76 Start: 45033, Stop: 44524, Start Num: 99

Candidate Starts for KADY_76:

(Start: 76 @45069 has 3 MA's), (Start: 99 @45033 has 68 MA's), (Start: 108 @44997 has 5 MA's), (114, 44946), (124, 44871), (131, 44835), (137, 44787), (143, 44766), (152, 44706), (153, 44703), (154, 44700), (157, 44664), (164, 44601), (172, 44556),

Gene: KFPoly_69 Start: 44165, Stop: 43653, Start Num: 85

Candidate Starts for KFPoly_69:

(Start: 85 @44165 has 137 MA's), (Start: 108 @44117 has 5 MA's), (114, 44066), (124, 43991), (127, 43967), (129, 43961), (131, 43955), (137, 43904), (143, 43883), (153, 43826), (157, 43787), (172, 43685),

Gene: KSSJEB_72 Start: 45207, Stop: 44695, Start Num: 93

Candidate Starts for KSSJEB_72:

(28, 45381), (33, 45363), (37, 45348), (Start: 67 @45264 has 2 MA's), (Start: 93 @45207 has 198 MA's), (Start: 108 @45165 has 5 MA's), (114, 45114), (115, 45105), (121, 45057), (143, 44934), (149, 44892), (176, 44706),

Gene: Kachowdy_71 Start: 44652, Stop: 44146, Start Num: 90

Candidate Starts for Kachowdy_71:

(Start: 85 @44658 has 137 MA's), (Start: 90 @44652 has 3 MA's), (114, 44559), (124, 44484), (125, 44481), (127, 44460), (132, 44436), (137, 44397), (141, 44382), (143, 44376), (157, 44280), (164, 44223), (172, 44178),

Gene: Kalah2_189 Start: 98070, Stop: 97558, Start Num: 93

Candidate Starts for Kalah2_189:

(8, 98361), (30, 98232), (46, 98175), (49, 98166), (Start: 79 @98094 has 1 MA's), (Start: 91 @98073 has 2 MA's), (Start: 93 @98070 has 198 MA's), (Start: 108 @98028 has 5 MA's), (114, 97977), (115, 97968), (121, 97920), (127, 97878), (143, 97797), (149, 97755), (176, 97569),

Gene: Kalnoky_79 Start: 44813, Stop: 44304, Start Num: 99

Candidate Starts for Kalnoky_79:

(Start: 99 @44813 has 68 MA's), (Start: 108 @44777 has 5 MA's), (114, 44726), (115, 44717), (124, 44651), (131, 44615), (137, 44567), (143, 44546), (152, 44486), (153, 44483), (157, 44444), (164, 44381), (172, 44336),

Gene: Kalpine_75 Start: 45776, Stop: 45198, Start Num: 78

Candidate Starts for Kalpine_75:

(Start: 56 @45818 has 4 MA's), (Start: 72 @45788 has 33 MA's), (Start: 78 @45776 has 158 MA's), (114, 45659), (115, 45650), (118, 45623), (121, 45602), (134, 45533), (137, 45500), (140, 45491), (150, 45431), (153, 45413), (157, 45374),

Gene: Kampy_69 Start: 44173, Stop: 43661, Start Num: 85

Candidate Starts for Kampy_69:

(Start: 85 @44173 has 137 MA's), (Start: 108 @44125 has 5 MA's), (114, 44074), (124, 43999), (127, 43975), (131, 43963), (137, 43912), (143, 43891), (153, 43834), (163, 43741), (172, 43693),

Gene: Kanely_77 Start: 47063, Stop: 46551, Start Num: 93

Candidate Starts for Kanely_77:

(28, 47237), (37, 47204), (Start: 67 @47120 has 2 MA's), (Start: 93 @47063 has 198 MA's), (Start: 108 @47021 has 5 MA's), (114, 46970), (115, 46961), (121, 46913), (137, 46811), (143, 46790), (149, 46748), (169, 46604), (176, 46562),

Gene: Katalie136_69 Start: 44352, Stop: 43852, Start Num: 100

Candidate Starts for Katalie136_69:

(Start: 100 @44352 has 20 MA's), (114, 44265), (116, 44241), (129, 44160), (131, 44154), (132, 44142), (137, 44103), (141, 44088), (143, 44082), (157, 43986), (166, 43920), (172, 43884),

Gene: KatherineG_84 Start: 45752, Stop: 45231, Start Num: 78

Candidate Starts for KatherineG_84:

(Start: 78 @45752 has 158 MA's), (107, 45707), (114, 45656), (115, 45647), (121, 45599), (137, 45497), (143, 45476), (159, 45338), (163, 45320), (166, 45308), (172, 45272),

Gene: Kazan_79 Start: 44184, Stop: 43669, Start Num: 78

Candidate Starts for Kazan_79:

(Start: 72 @44196 has 33 MA's), (Start: 78 @44184 has 158 MA's), (114, 44097), (115, 44088), (121, 44040), (137, 43938), (143, 43917), (146, 43896), (153, 43854), (157, 43815),

Gene: Kenuha5_35 Start: 30267, Stop: 29755, Start Num: 93

Candidate Starts for Kenuha5_35:

(65, 30321), (Start: 93 @30267 has 198 MA's), (Start: 108 @30225 has 5 MA's), (114, 30174), (115, 30165), (121, 30117), (127, 30075), (143, 29994), (149, 29952), (176, 29766),

Gene: Kerberos_78 Start: 45877, Stop: 45332, Start Num: 78

Candidate Starts for Kerberos_78:

(Start: 72 @45889 has 33 MA's), (Start: 78 @45877 has 158 MA's), (114, 45760), (115, 45751), (116, 45736), (121, 45703), (137, 45601), (139, 45595), (143, 45577), (148, 45550), (149, 45535), (150, 45532), (152, 45517), (157, 45475), (164, 45421), (169, 45394), (172, 45376),

Gene: Keziacharles14_74 Start: 45393, Stop: 44857, Start Num: 78

Candidate Starts for Keziacharles14_74:

(Start: 78 @45393 has 158 MA's), (110, 45336), (114, 45297), (116, 45273), (121, 45240), (143, 45117), (145, 45099), (152, 45057), (153, 45054), (161, 44976), (164, 44955),

Gene: Killigrew_72 Start: 45573, Stop: 45061, Start Num: 93

Candidate Starts for Killigrew_72:

(28, 45747), (37, 45714), (Start: 67 @45630 has 2 MA's), (Start: 93 @45573 has 198 MA's), (Start: 108 @45531 has 5 MA's), (114, 45480), (115, 45471), (121, 45423), (143, 45300), (149, 45258), (176, 45072),

Gene: Kimona_69 Start: 43171, Stop: 42665, Start Num: 85

Candidate Starts for Kimona_69:

(Start: 85 @43171 has 137 MA's), (115, 43066), (121, 43018), (124, 43000), (125, 42997), (131, 42964), (137, 42916), (143, 42895), (147, 42871), (153, 42838), (158, 42772), (164, 42742), (172, 42697),

Gene: KingCyrus_75 Start: 46852, Stop: 46277, Start Num: 78

Candidate Starts for KingCyrus_75:

(Start: 35 @46972 has 1 MA's), (Start: 56 @46894 has 4 MA's), (64, 46882), (Start: 72 @46864 has 33 MA's), (Start: 78 @46852 has 158 MA's), (114, 46735), (115, 46726), (121, 46678), (137, 46576), (153, 46489), (157, 46450), (160, 46414), (166, 46387), (172, 46324),

Gene: Kingmustik0402_70 Start: 44160, Stop: 43648, Start Num: 85

Candidate Starts for Kingmustik0402_70:

(Start: 85 @44160 has 137 MA's), (Start: 108 @44112 has 5 MA's), (114, 44061), (124, 43986), (127, 43962), (129, 43956), (131, 43950), (137, 43899), (143, 43878), (153, 43821), (157, 43782), (163, 43728), (172, 43680),

Gene: Kipper29_78 Start: 44197, Stop: 43682, Start Num: 78

Candidate Starts for Kipper29_78:

(Start: 72 @44209 has 33 MA's), (Start: 78 @44197 has 158 MA's), (114, 44110), (115, 44101), (121, 44053), (137, 43951), (143, 43930), (146, 43909), (153, 43867), (157, 43828),

Gene: KittenMittens_67 Start: 43144, Stop: 42638, Start Num: 86

Candidate Starts for KittenMittens_67:

(Start: 58 @43207 has 1 MA's), (66, 43192), (Start: 86 @43144 has 10 MA's), (Start: 88 @43141 has 5 MA's), (114, 43048), (121, 42991), (124, 42973), (127, 42949), (137, 42889), (143, 42868), (159, 42736), (172, 42670), (176, 42649),

Gene: Koguma_43 Start: 13506, Stop: 14018, Start Num: 93

Candidate Starts for Koguma_43:

(24, 13317), (Start: 83 @13494 has 3 MA's), (Start: 93 @13506 has 198 MA's), (Start: 108 @13548 has 5 MA's), (114, 13599), (115, 13608), (121, 13656), (127, 13698), (143, 13779), (149, 13821), (176, 14007),

Gene: Koko_79 Start: 44730, Stop: 44215, Start Num: 78

Candidate Starts for Koko_79:

(Start: 61 @44766 has 9 MA's), (Start: 72 @44742 has 33 MA's), (Start: 78 @44730 has 158 MA's), (114, 44643), (121, 44586), (137, 44484), (143, 44463), (153, 44400), (157, 44361), (164, 44307), (166, 44298), (178, 44235),

Gene: Koreni_69 Start: 43852, Stop: 43340, Start Num: 85

Candidate Starts for Koreni_69:

(Start: 85 @43852 has 137 MA's), (Start: 108 @43804 has 5 MA's), (114, 43753), (124, 43678), (127, 43654), (129, 43648), (131, 43642), (137, 43591), (143, 43570), (153, 43513), (157, 43474), (172, 43372),

Gene: Kratak_69 Start: 44205, Stop: 43693, Start Num: 85

Candidate Starts for Kratak_69:

(Start: 85 @44205 has 137 MA's), (Start: 108 @44157 has 5 MA's), (114, 44106), (124, 44031), (127, 44007), (129, 44001), (131, 43995), (137, 43944), (143, 43923), (153, 43866), (157, 43827), (172, 43725),

Gene: Kremtemulon_69 Start: 44304, Stop: 43792, Start Num: 85

Candidate Starts for Kremtemulon_69:

(Start: 85 @44304 has 137 MA's), (Start: 108 @44256 has 5 MA's), (114, 44205), (124, 44130), (127, 44106), (131, 44094), (137, 44043), (143, 44022), (157, 43926), (172, 43824),

Gene: Krishelle_58 Start: 40495, Stop: 39971, Start Num: 82

Candidate Starts for Krishelle_58:

(Start: 82 @40495 has 23 MA's), (106, 40450), (110, 40432), (124, 40318), (131, 40282), (136, 40255), (137, 40234), (143, 40213), (144, 40198), (150, 40168), (151, 40165), (153, 40150), (164, 40054), (166, 40045), (177, 39988),

Gene: KristaRAM_40 Start: 32001, Stop: 31465, Start Num: 73

Candidate Starts for KristaRAM_40:

(Start: 73 @32001 has 14 MA's), (Start: 108 @31935 has 5 MA's), (114, 31884), (115, 31875), (121, 31827), (127, 31785), (143, 31704), (149, 31662), (176, 31476),

Gene: Kristoff_69 Start: 44449, Stop: 43943, Start Num: 88

Candidate Starts for Kristoff_69:

(Start: 58 @44515 has 1 MA's), (66, 44500), (Start: 86 @44452 has 10 MA's), (Start: 88 @44449 has 5 MA's), (114, 44353), (116, 44329), (121, 44296), (124, 44278), (127, 44254), (137, 44194), (143, 44173), (153, 44116), (157, 44077), (159, 44041), (172, 43975), (176, 43954),

Gene: Kugel_77 Start: 47215, Stop: 46703, Start Num: 93

Candidate Starts for Kugel_77:

(28, 47389), (37, 47356), (Start: 67 @47272 has 2 MA's), (Start: 93 @47215 has 198 MA's), (Start: 108 @47173 has 5 MA's), (114, 47122), (115, 47113), (121, 47065), (127, 47023), (143, 46942), (149, 46900), (176, 46714),

Gene: KyMonks1A_81 Start: 47684, Stop: 47172, Start Num: 93

Candidate Starts for KyMonks1A_81:

(28, 47858), (37, 47825), (Start: 67 @47741 has 2 MA's), (Start: 93 @47684 has 198 MA's), (Start: 108 @47642 has 5 MA's), (114, 47591), (115, 47582), (121, 47534), (137, 47432), (143, 47411), (149, 47369), (169, 47225), (176, 47183),

Gene: Kyee_70 Start: 44166, Stop: 43654, Start Num: 85

Candidate Starts for Kyee_70:

(Start: 85 @44166 has 137 MA's), (Start: 108 @44118 has 5 MA's), (114, 44067), (124, 43992), (127, 43968), (129, 43962), (131, 43956), (137, 43905), (143, 43884), (153, 43827), (157, 43788), (172, 43686),

Gene: Kykar_75 Start: 46261, Stop: 45749, Start Num: 93

Candidate Starts for Kykar_75:

(32, 46420), (Start: 67 @46318 has 2 MA's), (Start: 93 @46261 has 198 MA's), (Start: 108 @46219 has 5 MA's), (114, 46168), (115, 46159), (121, 46111), (143, 45988), (149, 45946), (176, 45760),

Gene: L5_71 Start: 44882, Stop: 44331, Start Num: 78

Candidate Starts for L5_71:

(Start: 72 @44894 has 33 MA's), (Start: 78 @44882 has 158 MA's), (96, 44855), (115, 44756), (116, 44741), (121, 44708), (137, 44606), (139, 44600), (143, 44582), (148, 44555), (149, 44540), (153, 44519), (157, 44480), (166, 44417),

Gene: LBerry_80 Start: 45009, Stop: 44500, Start Num: 99

Candidate Starts for LBerry_80:

(Start: 99 @45009 has 68 MA's), (Start: 108 @44973 has 5 MA's), (114, 44922), (115, 44913), (124, 44847), (131, 44811), (137, 44763), (143, 44742), (152, 44682), (153, 44679), (154, 44676), (157, 44640), (164, 44577), (172, 44532),

Gene: LHTSCC_72 Start: 44607, Stop: 44095, Start Num: 85

Candidate Starts for LHTSCC_72:

(Start: 85 @44607 has 137 MA's), (Start: 108 @44559 has 5 MA's), (114, 44508), (124, 44433), (127, 44409), (131, 44397), (137, 44346), (143, 44325), (153, 44268), (172, 44127),

Gene: LRRHood_44 Start: 15429, Stop: 15941, Start Num: 93

Candidate Starts for LRRHood_44:

(24, 15240), (Start: 83 @15417 has 3 MA's), (Start: 93 @15429 has 198 MA's), (Start: 108 @15471 has 5 MA's), (114, 15522), (115, 15531), (121, 15579), (143, 15702), (149, 15744), (176, 15930),

Gene: LadyBird_79 Start: 46012, Stop: 45491, Start Num: 103

Candidate Starts for LadyBird_79:

(Start: 78 @46066 has 158 MA's), (Start: 103 @46012 has 1 MA's), (114, 45949), (115, 45940), (118, 45913), (121, 45892), (122, 45886), (124, 45874), (137, 45790), (140, 45781), (153, 45703), (157, 45664), (173, 45535),

Gene: Lambert1_73 Start: 44648, Stop: 44139, Start Num: 85

Candidate Starts for Lambert1_73:

(Start: 85 @44648 has 137 MA's), (110, 44591), (114, 44552), (115, 44543), (123, 44480), (124, 44477), (129, 44447), (132, 44429), (137, 44390), (143, 44369), (157, 44273), (164, 44216), (172, 44171),

Gene: Lamina13_79 Start: 48707, Stop: 48195, Start Num: 93

Candidate Starts for Lamina13_79:

(28, 48881), (37, 48848), (Start: 67 @48764 has 2 MA's), (Start: 93 @48707 has 198 MA's), (Start: 108 @48665 has 5 MA's), (114, 48614), (115, 48605), (121, 48557), (137, 48455), (143, 48434), (149, 48392), (169, 48248), (176, 48206),

Gene: Landor_74 Start: 46607, Stop: 46062, Start Num: 78

Candidate Starts for Landor_74:

(Start: 72 @46619 has 33 MA's), (Start: 78 @46607 has 158 MA's), (114, 46490), (121, 46433), (129, 46385), (137, 46331), (153, 46244), (157, 46205), (172, 46106),

Gene: LappelDuVide_70 Start: 44170, Stop: 43658, Start Num: 85

Candidate Starts for LappelDuVide_70:

(Start: 85 @44170 has 137 MA's), (Start: 108 @44122 has 5 MA's), (114, 44071), (124, 43996), (127, 43972), (129, 43966), (131, 43960), (137, 43909), (143, 43888), (153, 43831), (157, 43792), (163, 43738), (172, 43690),

Gene: Larenn_72 Start: 45147, Stop: 44536, Start Num: 56

Candidate Starts for Larenn_72:

(16, 45318), (24, 45267), (Start: 56 @45147 has 4 MA's), (Start: 72 @45117 has 33 MA's), (Start: 78 @45105 has 158 MA's), (114, 44988), (115, 44979), (118, 44952), (121, 44931), (129, 44883), (137, 44829), (153, 44742), (157, 44703), (166, 44640), (170, 44598),

Gene: LarryKay_79 Start: 45037, Stop: 44528, Start Num: 99

Candidate Starts for LarryKay_79:

(Start: 76 @45073 has 3 MA's), (Start: 99 @45037 has 68 MA's), (Start: 108 @45001 has 5 MA's), (114, 44950), (124, 44875), (131, 44839), (137, 44791), (143, 44770), (152, 44710), (153, 44707), (154, 44704), (157, 44668), (164, 44605), (172, 44560),

Gene: LastResort_82 Start: 45683, Stop: 45162, Start Num: 78

Candidate Starts for LastResort_82:

(Start: 78 @45683 has 158 MA's), (107, 45638), (114, 45587), (115, 45578), (121, 45530), (137, 45428), (143, 45407), (159, 45269), (163, 45251), (166, 45239), (172, 45203),

Gene: Lemur_70 Start: 44168, Stop: 43656, Start Num: 85

Candidate Starts for Lemur_70:

(Start: 85 @44168 has 137 MA's), (Start: 108 @44120 has 5 MA's), (114, 44069), (124, 43994), (127, 43970), (129, 43964), (131, 43958), (137, 43907), (143, 43886), (153, 43829), (157, 43790), (172, 43688),

Gene: LeoAvram_69 Start: 44201, Stop: 43689, Start Num: 85

Candidate Starts for LeoAvram_69:

(Start: 85 @44201 has 137 MA's), (Start: 108 @44153 has 5 MA's), (114, 44102), (124, 44027), (127, 44003), (131, 43991), (137, 43940), (143, 43919), (153, 43862), (163, 43769), (172, 43721),

Gene: Leogania_74 Start: 45788, Stop: 45216, Start Num: 78

Candidate Starts for Leogania_74:

(Start: 72 @45800 has 33 MA's), (Start: 78 @45788 has 158 MA's), (94, 45761), (114, 45671), (121, 45614), (126, 45587), (137, 45512), (149, 45446), (153, 45425), (157, 45386), (164, 45332), (172,

45260),

Gene: Lesedi_72 Start: 44841, Stop: 44329, Start Num: 93

Candidate Starts for Lesedi_72:

(28, 45015), (37, 44982), (Start: 67 @44898 has 2 MA's), (Start: 93 @44841 has 198 MA's), (Start: 108 @44799 has 5 MA's), (114, 44748), (115, 44739), (121, 44691), (137, 44589), (143, 44568), (149, 44526), (176, 44340),

Gene: Leviathan_77 Start: 45902, Stop: 45327, Start Num: 78

Candidate Starts for Leviathan_77:

(Start: 56 @45944 has 4 MA's), (64, 45932), (Start: 72 @45914 has 33 MA's), (Start: 78 @45902 has 158 MA's), (114, 45785), (115, 45776), (121, 45728), (137, 45626), (153, 45539), (157, 45500), (166, 45437),

Gene: Licorice_76 Start: 48364, Stop: 47852, Start Num: 93

Candidate Starts for Licorice_76:

(28, 48538), (37, 48505), (Start: 67 @48421 has 2 MA's), (Start: 93 @48364 has 198 MA's), (Start: 108 @48322 has 5 MA's), (114, 48271), (115, 48262), (121, 48214), (143, 48091), (149, 48049), (176, 47863),

Gene: LilBib_72 Start: 46594, Stop: 46082, Start Num: 93

Candidate Starts for LilBib_72:

(Start: 67 @46651 has 2 MA's), (Start: 93 @46594 has 198 MA's), (Start: 108 @46552 has 5 MA's), (114, 46501), (115, 46492), (121, 46444), (143, 46321), (149, 46279), (176, 46093),

Gene: LilTurb_76 Start: 45716, Stop: 45141, Start Num: 78

Candidate Starts for LilTurb_76:

(Start: 56 @45758 has 4 MA's), (64, 45746), (Start: 72 @45728 has 33 MA's), (Start: 78 @45716 has 158 MA's), (114, 45599), (115, 45590), (121, 45542), (137, 45440), (153, 45353), (157, 45314), (166, 45251),

Gene: Lilith_77 Start: 44998, Stop: 44489, Start Num: 99

Candidate Starts for Lilith_77:

(Start: 76 @45034 has 3 MA's), (Start: 99 @44998 has 68 MA's), (Start: 108 @44962 has 5 MA's), (114, 44911), (115, 44902), (124, 44836), (131, 44800), (137, 44752), (143, 44731), (152, 44671), (153, 44668), (154, 44665), (157, 44629), (164, 44566), (172, 44521),

Gene: Lilleskat_74 Start: 44728, Stop: 44192, Start Num: 78

Candidate Starts for Lilleskat_74:

(Start: 72 @44740 has 33 MA's), (Start: 78 @44728 has 158 MA's), (114, 44632), (115, 44623), (116, 44608), (121, 44575), (143, 44452), (144, 44437), (145, 44434), (152, 44392), (153, 44389), (161, 44311),

Gene: Lillie_58 Start: 40126, Stop: 39602, Start Num: 82

Candidate Starts for Lillie_58:

(Start: 82 @40126 has 23 MA's), (106, 40081), (110, 40063), (124, 39949), (131, 39913), (136, 39886), (137, 39865), (143, 39844), (144, 39829), (150, 39799), (151, 39796), (153, 39781), (164, 39685), (166, 39676), (177, 39619),

Gene: LittleB_70 Start: 44172, Stop: 43660, Start Num: 85

Candidate Starts for LittleB_70:

(Start: 85 @44172 has 137 MA's), (Start: 108 @44124 has 5 MA's), (114, 44073), (124, 43998), (127, 43974), (129, 43968), (131, 43962), (137, 43911), (143, 43890), (153, 43833), (157, 43794), (172,

43692),

Gene: LittleE_195 Start: 96949, Stop: 96437, Start Num: 93

Candidate Starts for LittleE_195:

(6, 97282), (8, 97240), (30, 97111), (46, 97054), (49, 97045), (Start: 79 @96973 has 1 MA's), (Start: 91 @96952 has 2 MA's), (Start: 93 @96949 has 198 MA's), (Start: 108 @96907 has 5 MA's), (114, 96856), (115, 96847), (121, 96799), (127, 96757), (143, 96676), (149, 96634), (176, 96448),

Gene: LittleGuy_70 Start: 44067, Stop: 43555, Start Num: 85

Candidate Starts for LittleGuy_70:

(Start: 85 @44067 has 137 MA's), (Start: 108 @44019 has 5 MA's), (114, 43968), (124, 43893), (127, 43869), (129, 43863), (131, 43857), (137, 43806), (143, 43785), (153, 43728), (157, 43689), (163, 43635), (172, 43587),

Gene: LochMonster_71 Start: 44407, Stop: 43895, Start Num: 85

Candidate Starts for LochMonster_71:

(Start: 85 @44407 has 137 MA's), (Start: 108 @44359 has 5 MA's), (114, 44308), (124, 44233), (127, 44209), (129, 44203), (131, 44197), (137, 44146), (143, 44125), (153, 44068), (157, 44029), (172, 43927),

Gene: Lockley_72 Start: 45724, Stop: 45212, Start Num: 93

Candidate Starts for Lockley_72:

(28, 45898), (37, 45865), (Start: 67 @45781 has 2 MA's), (Start: 93 @45724 has 198 MA's), (Start: 108 @45682 has 5 MA's), (114, 45631), (115, 45622), (121, 45574), (127, 45532), (143, 45451), (149, 45409), (176, 45223),

Gene: Lokk_69 Start: 43909, Stop: 43337, Start Num: 78

Candidate Starts for Lokk_69:

(Start: 72 @43921 has 33 MA's), (Start: 78 @43909 has 158 MA's), (Start: 86 @43894 has 10 MA's), (94, 43882), (114, 43792), (115, 43783), (116, 43768), (121, 43735), (124, 43717), (130, 43684), (137, 43633), (149, 43567), (157, 43507), (170, 43402), (179, 43357),

Gene: LoneWolf_78 Start: 45014, Stop: 44487, Start Num: 78

Candidate Starts for LoneWolf_78:

(Start: 72 @45026 has 33 MA's), (Start: 78 @45014 has 158 MA's), (114, 44918), (116, 44894), (121, 44861), (124, 44843), (143, 44738), (145, 44720), (152, 44678), (153, 44675), (157, 44636), (161, 44597), (162, 44594), (164, 44576),

Gene: Looper_83 Start: 45595, Stop: 45074, Start Num: 78

Candidate Starts for Looper_83:

(Start: 78 @45595 has 158 MA's), (107, 45550), (114, 45499), (115, 45490), (121, 45442), (137, 45340), (143, 45319), (159, 45181), (163, 45163), (166, 45151), (172, 45115),

Gene: Lopton_74 Start: 47686, Stop: 47174, Start Num: 93

Candidate Starts for Lopton_74:

(28, 47860), (37, 47827), (Start: 67 @47743 has 2 MA's), (Start: 93 @47686 has 198 MA's), (Start: 108 @47644 has 5 MA's), (114, 47593), (115, 47584), (121, 47536), (143, 47413), (149, 47371), (176, 47185),

Gene: Lorenzo_70 Start: 44171, Stop: 43659, Start Num: 85

Candidate Starts for Lorenzo_70:

(Start: 85 @44171 has 137 MA's), (Start: 108 @44123 has 5 MA's), (114, 44072), (124, 43997), (127, 43973), (131, 43961), (137, 43910), (143, 43889), (153, 43832), (163, 43739), (172, 43691),

Gene: Loser_77 Start: 45980, Stop: 45399, Start Num: 78

Candidate Starts for Loser_77:

(Start: 56 @46022 has 4 MA's), (Start: 59 @46019 has 1 MA's), (68, 46004), (Start: 72 @45992 has 33 MA's), (Start: 78 @45980 has 158 MA's), (101, 45941), (114, 45863), (115, 45854), (121, 45806), (126, 45779), (137, 45704), (140, 45695), (150, 45635), (153, 45617), (167, 45503),

Gene: Luchador_78 Start: 46094, Stop: 45567, Start Num: 78

Candidate Starts for Luchador_78:

(Start: 72 @46106 has 33 MA's), (Start: 78 @46094 has 158 MA's), (114, 45992), (116, 45968), (117, 45959), (121, 45935), (124, 45917), (137, 45833), (138, 45830), (143, 45812), (147, 45788), (158, 45686), (160, 45674), (169, 45629), (172, 45611),

Gene: Lucivia_79 Start: 45381, Stop: 44830, Start Num: 78

Candidate Starts for Lucivia_79:

(Start: 59 @45423 has 1 MA's), (Start: 72 @45393 has 33 MA's), (Start: 78 @45381 has 158 MA's), (94, 45354), (114, 45264), (116, 45240), (121, 45207), (137, 45105), (143, 45081), (144, 45066), (149, 45039), (153, 45018), (157, 44979), (172, 44880), (179, 44847),

Gene: Lucyedi_80 Start: 46110, Stop: 45568, Start Num: 78

Candidate Starts for Lucyedi_80:

(31, 46242), (38, 46215), (45, 46188), (Start: 58 @46152 has 1 MA's), (Start: 72 @46122 has 33 MA's), (Start: 78 @46110 has 158 MA's), (114, 46005), (115, 45996), (121, 45948), (133, 45882), (137, 45846), (143, 45825), (153, 45762), (157, 45723), (169, 45633), (172, 45615),

Gene: LugYA_82 Start: 45009, Stop: 44500, Start Num: 99

Candidate Starts for LugYA_82:

(Start: 99 @45009 has 68 MA's), (Start: 108 @44973 has 5 MA's), (114, 44922), (115, 44913), (124, 44847), (131, 44811), (137, 44763), (143, 44742), (152, 44682), (153, 44679), (154, 44676), (157, 44640), (164, 44577), (172, 44532),

Gene: Lukilu_41 Start: 14631, Stop: 15143, Start Num: 93

Candidate Starts for Lukilu_41:

(24, 14442), (Start: 83 @14619 has 3 MA's), (Start: 93 @14631 has 198 MA's), (Start: 108 @14673 has 5 MA's), (114, 14724), (115, 14733), (121, 14781), (127, 14823), (143, 14904), (149, 14946), (176, 15132),

Gene: LunaBlu_42 Start: 32167, Stop: 31655, Start Num: 93

Candidate Starts for LunaBlu_42:

(Start: 63 @32227 has 1 MA's), (Start: 93 @32167 has 198 MA's), (Start: 108 @32125 has 5 MA's), (114, 32074), (115, 32065), (121, 32017), (127, 31975), (143, 31894), (149, 31852), (176, 31666),

Gene: Lunsford_70 Start: 44165, Stop: 43653, Start Num: 85

Candidate Starts for Lunsford_70:

(Start: 85 @44165 has 137 MA's), (Start: 108 @44117 has 5 MA's), (114, 44066), (124, 43991), (127, 43967), (129, 43961), (131, 43955), (137, 43904), (143, 43883), (157, 43787), (172, 43685),

Gene: MPlant7149_75 Start: 46240, Stop: 45728, Start Num: 93

Candidate Starts for MPlant7149_75:

(28, 46414), (37, 46381), (Start: 67 @46297 has 2 MA's), (Start: 93 @46240 has 198 MA's), (Start: 108 @46198 has 5 MA's), (114, 46147), (115, 46138), (121, 46090), (143, 45967), (149, 45925), (176, 45739),

Gene: MaCh_78 Start: 45345, Stop: 44794, Start Num: 78

Candidate Starts for MaCh_78:

(Start: 59 @45387 has 1 MA's), (Start: 72 @45357 has 33 MA's), (Start: 78 @45345 has 158 MA's), (94, 45318), (114, 45228), (116, 45204), (121, 45171), (137, 45069), (143, 45045), (144, 45030), (149, 45003), (153, 44982), (157, 44943), (172, 44844), (179, 44811),

Gene: Mabel_78 Start: 45346, Stop: 44795, Start Num: 78

Candidate Starts for Mabel_78:

(Start: 59 @45388 has 1 MA's), (Start: 72 @45358 has 33 MA's), (Start: 78 @45346 has 158 MA's), (94, 45319), (114, 45229), (116, 45205), (121, 45172), (137, 45070), (143, 45046), (144, 45031), (149, 45004), (153, 44983), (157, 44944), (172, 44845), (179, 44812),

Gene: MadMarie_77 Start: 45006, Stop: 44497, Start Num: 99

Candidate Starts for MadMarie_77:

(Start: 76 @45042 has 3 MA's), (Start: 99 @45006 has 68 MA's), (Start: 108 @44970 has 5 MA's), (114, 44919), (115, 44910), (124, 44844), (131, 44808), (137, 44760), (143, 44739), (152, 44679), (153, 44676), (154, 44673), (157, 44637), (164, 44574), (172, 44529),

Gene: Magnar_71 Start: 45368, Stop: 44856, Start Num: 93

Candidate Starts for Magnar_71:

(28, 45542), (37, 45509), (Start: 67 @45425 has 2 MA's), (Start: 93 @45368 has 198 MA's), (Start: 108 @45326 has 5 MA's), (114, 45275), (115, 45266), (121, 45218), (143, 45095), (149, 45053), (176, 44867),

Gene: Mainiac_78 Start: 45034, Stop: 44489, Start Num: 76

Candidate Starts for Mainiac_78:

(Start: 76 @45034 has 3 MA's), (Start: 99 @44998 has 68 MA's), (Start: 108 @44962 has 5 MA's), (114, 44911), (115, 44902), (124, 44836), (131, 44800), (137, 44752), (143, 44731), (152, 44671), (153, 44668), (154, 44665), (157, 44629), (164, 44566), (172, 44521),

Gene: Malec_73 Start: 45714, Stop: 45103, Start Num: 56

Candidate Starts for Malec_73:

(16, 45885), (24, 45834), (Start: 56 @45714 has 4 MA's), (Start: 72 @45684 has 33 MA's), (Start: 78 @45672 has 158 MA's), (114, 45555), (115, 45546), (118, 45519), (121, 45498), (129, 45450), (137, 45396), (153, 45309), (157, 45270), (166, 45207), (170, 45165),

Gene: Malinsilva_81 Start: 44997, Stop: 44488, Start Num: 99

Candidate Starts for Malinsilva_81:

(Start: 76 @45033 has 3 MA's), (Start: 99 @44997 has 68 MA's), (Start: 108 @44961 has 5 MA's), (114, 44910), (115, 44901), (124, 44835), (131, 44799), (137, 44751), (143, 44730), (152, 44670), (153, 44667), (154, 44664), (157, 44628), (164, 44565), (172, 44520),

Gene: Maminiaina_77 Start: 44943, Stop: 44395, Start Num: 72

Candidate Starts for Maminiaina_77:

(Start: 72 @44943 has 33 MA's), (Start: 78 @44931 has 158 MA's), (110, 44874), (114, 44835), (116, 44811), (121, 44778), (143, 44655), (145, 44637), (152, 44595), (153, 44592), (157, 44553), (164, 44493), (166, 44484),

Gene: Manu_78 Start: 44819, Stop: 44310, Start Num: 99

Candidate Starts for Manu_78:

(Start: 99 @44819 has 68 MA's), (Start: 108 @44783 has 5 MA's), (114, 44732), (115, 44723), (124, 44657), (131, 44621), (137, 44573), (143, 44552), (152, 44492), (153, 44489), (157, 44450), (164, 44387), (172, 44342),

Gene: MarQuardt_79 Start: 45007, Stop: 44498, Start Num: 99

Candidate Starts for MarQuardt_79:

(Start: 99 @45007 has 68 MA's), (Start: 108 @44971 has 5 MA's), (114, 44920), (115, 44911), (124, 44845), (131, 44809), (137, 44761), (143, 44740), (152, 44680), (153, 44677), (154, 44674), (157, 44638), (164, 44575), (172, 44530),

Gene: Marcell_68 Start: 43988, Stop: 43476, Start Num: 93

Candidate Starts for Marcell_68:

(28, 44162), (37, 44129), (Start: 67 @44045 has 2 MA's), (Start: 93 @43988 has 198 MA's), (Start: 108 @43946 has 5 MA's), (114, 43895), (115, 43886), (121, 43838), (143, 43715), (149, 43673), (176, 43487),

Gene: Marchy_67 Start: 42792, Stop: 42280, Start Num: 93

Candidate Starts for Marchy_67:

(28, 42966), (37, 42933), (Start: 67 @42849 has 2 MA's), (Start: 93 @42792 has 198 MA's), (Start: 108 @42750 has 5 MA's), (114, 42699), (115, 42690), (121, 42642), (143, 42519), (149, 42477), (176, 42291),

Gene: Marge_72 Start: 45485, Stop: 44973, Start Num: 93

Candidate Starts for Marge_72:

(28, 45659), (37, 45626), (53, 45563), (Start: 67 @45542 has 2 MA's), (Start: 93 @45485 has 198 MA's), (Start: 108 @45443 has 5 MA's), (114, 45392), (115, 45383), (121, 45335), (143, 45212), (149, 45170), (176, 44984),

Gene: Margo_73 Start: 44673, Stop: 44164, Start Num: 85

Candidate Starts for Margo_73:

(Start: 85 @44673 has 137 MA's), (110, 44616), (114, 44577), (115, 44568), (123, 44505), (124, 44502), (129, 44472), (132, 44454), (137, 44415), (143, 44394), (157, 44298), (164, 44241), (172, 44196),

Gene: Marie_77 Start: 45008, Stop: 44499, Start Num: 99

Candidate Starts for Marie_77:

(Start: 99 @45008 has 68 MA's), (Start: 108 @44972 has 5 MA's), (114, 44921), (115, 44912), (124, 44846), (131, 44810), (137, 44762), (143, 44741), (152, 44681), (153, 44678), (154, 44675), (157, 44639), (164, 44576), (172, 44531),

Gene: Marius_79 Start: 44813, Stop: 44304, Start Num: 99

Candidate Starts for Marius_79:

(Start: 99 @44813 has 68 MA's), (Start: 108 @44777 has 5 MA's), (114, 44726), (115, 44717), (124, 44651), (131, 44615), (137, 44567), (143, 44546), (152, 44486), (153, 44483), (157, 44444), (164, 44381), (172, 44336),

Gene: Marsha_75 Start: 47927, Stop: 47415, Start Num: 93

Candidate Starts for Marsha_75:

(28, 48101), (37, 48068), (Start: 67 @47984 has 2 MA's), (Start: 93 @47927 has 198 MA's), (Start: 108 @47885 has 5 MA's), (114, 47834), (115, 47825), (121, 47777), (143, 47654), (149, 47612), (169, 47468), (176, 47426),

Gene: MaryBeth_73 Start: 46510, Stop: 45998, Start Num: 93

Candidate Starts for MaryBeth_73:

(Start: 67 @46567 has 2 MA's), (Start: 93 @46510 has 198 MA's), (Start: 108 @46468 has 5 MA's), (114, 46417), (115, 46408), (121, 46360), (143, 46237), (149, 46195), (176, 46009),

Gene: Maverick_69 Start: 44168, Stop: 43656, Start Num: 85

Candidate Starts for Maverick_69:

(Start: 85 @44168 has 137 MA's), (Start: 108 @44120 has 5 MA's), (114, 44069), (124, 43994), (127, 43970), (129, 43964), (131, 43958), (137, 43907), (143, 43886), (153, 43829), (157, 43790), (172, 43688),

Gene: Mazhar510_70 Start: 44169, Stop: 43657, Start Num: 85

Candidate Starts for Mazhar510_70:

(Start: 85 @44169 has 137 MA's), (Start: 108 @44121 has 5 MA's), (114, 44070), (124, 43995), (127, 43971), (129, 43965), (131, 43959), (137, 43908), (143, 43887), (153, 43830), (157, 43791), (172, 43689),

Gene: McFly_79 Start: 44813, Stop: 44298, Start Num: 78

Candidate Starts for McFly_79:

(Start: 72 @44825 has 33 MA's), (Start: 78 @44813 has 158 MA's), (114, 44726), (115, 44717), (121, 44669), (137, 44567), (143, 44546), (146, 44525), (153, 44483), (157, 44444),

Gene: McGuire_75 Start: 45524, Stop: 45012, Start Num: 93

Candidate Starts for McGuire_75:

(27, 45701), (28, 45698), (33, 45680), (37, 45665), (Start: 67 @45581 has 2 MA's), (Start: 93 @45524 has 198 MA's), (Start: 108 @45482 has 5 MA's), (114, 45431), (115, 45422), (121, 45374), (143, 45251), (149, 45209), (176, 45023),

Gene: Medusa_70 Start: 44185, Stop: 43673, Start Num: 85

Candidate Starts for Medusa_70:

(Start: 85 @44185 has 137 MA's), (Start: 108 @44137 has 5 MA's), (114, 44086), (124, 44011), (127, 43987), (129, 43981), (131, 43975), (137, 43924), (143, 43903), (157, 43807), (172, 43705),

Gene: MeeZee_69 Start: 44165, Stop: 43653, Start Num: 85

Candidate Starts for MeeZee_69:

(Start: 85 @44165 has 137 MA's), (Start: 108 @44117 has 5 MA's), (114, 44066), (124, 43991), (127, 43967), (129, 43961), (131, 43955), (137, 43904), (143, 43883), (153, 43826), (157, 43787), (172, 43685),

Gene: Melissauren88_38 Start: 31294, Stop: 30782, Start Num: 93

Candidate Starts for Melissauren88_38:

(Start: 63 @31354 has 1 MA's), (Start: 93 @31294 has 198 MA's), (Start: 108 @31252 has 5 MA's), (114, 31201), (115, 31192), (121, 31144), (127, 31102), (143, 31021), (149, 30979), (176, 30793),

Gene: Melvin_72 Start: 44166, Stop: 43654, Start Num: 85

Candidate Starts for Melvin_72:

(Start: 85 @44166 has 137 MA's), (Start: 108 @44118 has 5 MA's), (114, 44067), (124, 43992), (127, 43968), (129, 43962), (131, 43956), (137, 43905), (143, 43884), (153, 43827), (157, 43788), (172, 43686),

Gene: MetalQZJ_72 Start: 46510, Stop: 45998, Start Num: 93

Candidate Starts for MetalQZJ_72:

(Start: 67 @46567 has 2 MA's), (Start: 93 @46510 has 198 MA's), (Start: 108 @46468 has 5 MA's), (114, 46417), (115, 46408), (121, 46360), (143, 46237), (149, 46195), (176, 46009),

Gene: Methuselah_72 Start: 45029, Stop: 44520, Start Num: 99

Candidate Starts for Methuselah_72:

(Start: 99 @45029 has 68 MA's), (Start: 108 @44993 has 5 MA's), (114, 44942), (115, 44933), (124, 44867), (131, 44831), (137, 44783), (143, 44762), (152, 44702), (153, 44699), (154, 44696), (157, 44660), (164, 44597), (172, 44552),

Gene: MiaZeal_196 Start: 94928, Stop: 94416, Start Num: 93

Candidate Starts for MiaZeal_196:

(6, 95261), (8, 95219), (30, 95090), (46, 95033), (49, 95024), (Start: 79 @94952 has 1 MA's), (Start: 91 @94931 has 2 MA's), (Start: 93 @94928 has 198 MA's), (Start: 108 @94886 has 5 MA's), (114, 94835), (115, 94826), (121, 94778), (127, 94736), (143, 94655), (149, 94613), (176, 94427),

Gene: Michley_76 Start: 46252, Stop: 45740, Start Num: 93

Candidate Starts for Michley_76:

(28, 46426), (37, 46393), (Start: 67 @46309 has 2 MA's), (Start: 93 @46252 has 198 MA's), (Start: 108 @46210 has 5 MA's), (114, 46159), (115, 46150), (121, 46102), (143, 45979), (149, 45937), (176, 45751),

Gene: Microwolf_75 Start: 45021, Stop: 44512, Start Num: 99

Candidate Starts for Microwolf_75:

(Start: 76 @45057 has 3 MA's), (Start: 99 @45021 has 68 MA's), (Start: 108 @44985 has 5 MA's), (114, 44934), (115, 44925), (124, 44859), (131, 44823), (137, 44775), (143, 44754), (152, 44694), (153, 44691), (154, 44688), (157, 44652), (164, 44589), (172, 44544),

Gene: MiculUcigas_76 Start: 45315, Stop: 44746, Start Num: 78

Candidate Starts for MiculUcigas_76:

(Start: 56 @45357 has 4 MA's), (64, 45345), (Start: 72 @45327 has 33 MA's), (Start: 78 @45315 has 158 MA's), (114, 45198), (115, 45189), (118, 45162), (121, 45141), (137, 45039), (149, 44973), (153, 44952), (157, 44913), (166, 44850),

Gene: Miko_69 Start: 44687, Stop: 44115, Start Num: 78

Candidate Starts for Miko_69:

(Start: 72 @44699 has 33 MA's), (Start: 78 @44687 has 158 MA's), (94, 44660), (114, 44570), (115, 44561), (116, 44546), (121, 44513), (124, 44495), (130, 44462), (137, 44411), (149, 44345), (157, 44285), (170, 44180), (179, 44135),

Gene: MilanaBonita_32 Start: 27185, Stop: 26715, Start Num: 108

Candidate Starts for MilanaBonita_32:

(Start: 93 @27227 has 198 MA's), (Start: 108 @27185 has 5 MA's), (114, 27134), (115, 27125), (121, 27077), (127, 27035), (143, 26954), (149, 26912), (176, 26726),

Gene: MilleniumForce_40 Start: 32109, Stop: 31573, Start Num: 73

Candidate Starts for MilleniumForce_40:

(Start: 73 @32109 has 14 MA's), (Start: 108 @32043 has 5 MA's), (114, 31992), (115, 31983), (121, 31935), (127, 31893), (143, 31812), (149, 31770), (176, 31584),

Gene: Millski_69 Start: 44172, Stop: 43660, Start Num: 85

Candidate Starts for Millski_69:

(Start: 85 @44172 has 137 MA's), (Start: 108 @44124 has 5 MA's), (114, 44073), (124, 43998), (127, 43974), (129, 43968), (131, 43962), (137, 43911), (143, 43890), (153, 43833), (157, 43794), (172, 43692),

Gene: MinecraftSteve_84 Start: 45576, Stop: 45055, Start Num: 78

Candidate Starts for MinecraftSteve_84:

(Start: 78 @45576 has 158 MA's), (107, 45531), (114, 45480), (115, 45471), (121, 45423), (137, 45321), (143, 45300), (159, 45162), (163, 45144), (166, 45132), (172, 45096),

Gene: MinionDave_41 Start: 32346, Stop: 31810, Start Num: 73

Candidate Starts for MinionDave_41:

(Start: 73 @32346 has 14 MA's), (Start: 108 @32280 has 5 MA's), (114, 32229), (115, 32220), (121, 32172), (127, 32130), (143, 32049), (149, 32007), (176, 31821),

Gene: Miramae_69 Start: 43907, Stop: 43407, Start Num: 100

Candidate Starts for Miramae_69:

(Start: 100 @43907 has 20 MA's), (114, 43820), (116, 43796), (121, 43763), (129, 43715), (131, 43709), (132, 43697), (137, 43658), (143, 43637), (157, 43541), (172, 43439),

Gene: Mkhuseleli_72 Start: 44255, Stop: 43743, Start Num: 93

Candidate Starts for Mkhuseleli_72:

(28, 44429), (33, 44411), (37, 44396), (Start: 67 @44312 has 2 MA's), (Start: 93 @44255 has 198 MA's), (Start: 108 @44213 has 5 MA's), (114, 44162), (115, 44153), (121, 44105), (143, 43982), (149, 43940), (176, 43754),

Gene: Molly_75 Start: 45897, Stop: 45385, Start Num: 93

Candidate Starts for Molly_75:

(28, 46071), (37, 46038), (Start: 67 @45954 has 2 MA's), (Start: 93 @45897 has 198 MA's), (Start: 108 @45855 has 5 MA's), (114, 45804), (115, 45795), (121, 45747), (143, 45624), (149, 45582), (169, 45438), (176, 45396),

Gene: Monet_79 Start: 47934, Stop: 47422, Start Num: 93

Candidate Starts for Monet_79:

(28, 48108), (37, 48075), (53, 48012), (Start: 67 @47991 has 2 MA's), (Start: 93 @47934 has 198 MA's), (Start: 108 @47892 has 5 MA's), (114, 47841), (115, 47832), (121, 47784), (143, 47661), (149, 47619), (176, 47433),

Gene: MoneyMay_78 Start: 45008, Stop: 44499, Start Num: 99

Candidate Starts for MoneyMay_78:

(Start: 99 @45008 has 68 MA's), (Start: 108 @44972 has 5 MA's), (114, 44921), (115, 44912), (124, 44846), (131, 44810), (137, 44762), (143, 44741), (152, 44681), (153, 44678), (154, 44675), (157, 44639), (164, 44576), (172, 44531),

Gene: Moonbeam_39 Start: 31863, Stop: 31327, Start Num: 73

Candidate Starts for Moonbeam_39:

(Start: 73 @31863 has 14 MA's), (Start: 108 @31797 has 5 MA's), (114, 31746), (115, 31737), (121, 31689), (127, 31647), (143, 31566), (149, 31524), (176, 31338),

Gene: Moose_77 Start: 47070, Stop: 46555, Start Num: 93

Candidate Starts for Moose_77:

(28, 47244), (37, 47211), (Start: 67 @47127 has 2 MA's), (Start: 93 @47070 has 198 MA's), (Start: 108 @47028 has 5 MA's), (114, 46977), (115, 46968), (121, 46920), (137, 46818), (143, 46797), (149, 46755), (169, 46611), (176, 46569),

Gene: Morizzled23_50 Start: 15132, Stop: 15644, Start Num: 93

Candidate Starts for Morizzled23_50:

(24, 14943), (Start: 83 @15120 has 3 MA's), (Start: 93 @15132 has 198 MA's), (Start: 108 @15174 has 5 MA's), (114, 15225), (115, 15234), (121, 15282), (143, 15405), (149, 15447), (169, 15591), (176, 15633),

Gene: Morpher26_69 Start: 44373, Stop: 43873, Start Num: 100

Candidate Starts for Morpher26_69:

(Start: 100 @44373 has 20 MA's), (114, 44286), (116, 44262), (129, 44181), (131, 44175), (132, 44163), (137, 44124), (141, 44109), (143, 44103), (157, 44007), (166, 43941), (172, 43905),

Gene: Mova_39 Start: 30975, Stop: 30466, Start Num: 86

Candidate Starts for Mova_39:

(10, 31233), (15, 31209), (Start: 86 @30975 has 10 MA's), (Start: 108 @30933 has 5 MA's), (114, 30882), (115, 30873), (121, 30825), (127, 30783), (143, 30702), (149, 30660), (176, 30477),

Gene: MrGordo_76 Start: 45826, Stop: 45314, Start Num: 93

Candidate Starts for MrGordo_76:

(28, 46000), (37, 45967), (Start: 67 @45883 has 2 MA's), (Start: 93 @45826 has 198 MA's), (Start: 108 @45784 has 5 MA's), (114, 45733), (115, 45724), (121, 45676), (143, 45553), (149, 45511), (176, 45325),

Gene: Mryolo_70 Start: 44855, Stop: 44343, Start Num: 93

Candidate Starts for Mryolo_70:

(28, 45029), (37, 44996), (Start: 67 @44912 has 2 MA's), (Start: 93 @44855 has 198 MA's), (Start: 108 @44813 has 5 MA's), (114, 44762), (115, 44753), (121, 44705), (137, 44603), (143, 44582), (149, 44540), (169, 44396), (176, 44354),

Gene: Ms6_33 Start: 26759, Stop: 26250, Start Num: 86

Candidate Starts for Ms6_33:

(10, 27017), (15, 26993), (Start: 86 @26759 has 10 MA's), (Start: 108 @26717 has 5 MA's), (114, 26666), (115, 26657), (121, 26609), (127, 26567), (143, 26486), (149, 26444), (176, 26261),

Gene: MuchMore_82 Start: 44994, Stop: 44485, Start Num: 99

Candidate Starts for MuchMore_82:

(Start: 76 @45030 has 3 MA's), (Start: 99 @44994 has 68 MA's), (Start: 108 @44958 has 5 MA's), (114, 44907), (115, 44898), (124, 44832), (131, 44796), (137, 44748), (143, 44727), (152, 44667), (153, 44664), (154, 44661), (157, 44625), (164, 44562), (172, 44517),

Gene: Mulciber_76 Start: 44899, Stop: 44336, Start Num: 72

Candidate Starts for Mulciber_76:

(Start: 59 @44929 has 1 MA's), (Start: 72 @44899 has 33 MA's), (Start: 78 @44887 has 158 MA's), (94, 44860), (114, 44770), (116, 44746), (121, 44713), (137, 44611), (143, 44587), (144, 44572), (149, 44545), (153, 44524), (157, 44485), (172, 44386), (179, 44353),

Gene: Mule_74 Start: 45924, Stop: 45412, Start Num: 93

Candidate Starts for Mule_74:

(3, 46320), (28, 46098), (37, 46065), (Start: 67 @45981 has 2 MA's), (Start: 93 @45924 has 198 MA's), (Start: 108 @45882 has 5 MA's), (114, 45831), (115, 45822), (121, 45774), (143, 45651), (149, 45609), (176, 45423),

Gene: Munch_78 Start: 45362, Stop: 44799, Start Num: 72

Candidate Starts for Munch_78:

(Start: 59 @45392 has 1 MA's), (Start: 72 @45362 has 33 MA's), (Start: 78 @45350 has 158 MA's), (94, 45323), (114, 45233), (116, 45209), (121, 45176), (137, 45074), (143, 45050), (144, 45035), (149, 45008), (153, 44987), (157, 44948), (172, 44849), (179, 44816),

Gene: Mundrea_69 Start: 44369, Stop: 43869, Start Num: 100

Candidate Starts for Mundrea_69:

(Start: 100 @44369 has 20 MA's), (110, 44321), (114, 44282), (121, 44225), (129, 44177), (131, 44171), (132, 44159), (137, 44120), (143, 44099), (157, 44003), (166, 43937), (172, 43901),

Gene: MyraDee_73 Start: 42375, Stop: 41872, Start Num: 97

Candidate Starts for MyraDee_73:

(Start: 97 @42375 has 9 MA's), (114, 42288), (136, 42150), (137, 42129), (141, 42114), (143, 42108), (166, 41940),

Gene: Myxus_77 Start: 44781, Stop: 44233, Start Num: 72

Candidate Starts for Myxus_77:

(Start: 72 @44781 has 33 MA's), (Start: 78 @44769 has 158 MA's), (114, 44673), (115, 44664), (116, 44649), (121, 44616), (143, 44493), (144, 44478), (145, 44475), (152, 44433), (153, 44430), (161, 44352), (172, 44283),

Gene: NEHalo_71 Start: 45770, Stop: 45255, Start Num: 93

Candidate Starts for NEHalo_71:

(28, 45944), (37, 45911), (Start: 67 @45827 has 2 MA's), (Start: 93 @45770 has 198 MA's), (Start: 108 @45728 has 5 MA's), (114, 45677), (115, 45668), (121, 45620), (143, 45497), (149, 45455), (169, 45311), (176, 45269),

Gene: NaSiaTalie_76 Start: 45409, Stop: 44840, Start Num: 78

Candidate Starts for NaSiaTalie_76:

(Start: 56 @45451 has 4 MA's), (64, 45439), (Start: 72 @45421 has 33 MA's), (Start: 78 @45409 has 158 MA's), (114, 45292), (115, 45283), (118, 45256), (121, 45235), (137, 45133), (149, 45067), (153, 45046), (157, 45007), (166, 44944),

Gene: Naiad_57 Start: 40148, Stop: 39624, Start Num: 82

Candidate Starts for Naiad_57:

(Start: 82 @40148 has 23 MA's), (106, 40103), (110, 40085), (124, 39971), (131, 39935), (136, 39908), (137, 39887), (143, 39866), (144, 39851), (150, 39821), (151, 39818), (153, 39803), (164, 39707), (166, 39698), (177, 39641),

Gene: Naira_77 Start: 47443, Stop: 46931, Start Num: 93

Candidate Starts for Naira_77:

(28, 47617), (37, 47584), (Start: 67 @47500 has 2 MA's), (Start: 93 @47443 has 198 MA's), (Start: 108 @47401 has 5 MA's), (114, 47350), (115, 47341), (121, 47293), (143, 47170), (149, 47128), (176, 46942),

Gene: Natosaleda_57 Start: 40064, Stop: 39540, Start Num: 82

Candidate Starts for Natosaleda_57:

(Start: 82 @40064 has 23 MA's), (106, 40019), (110, 40001), (124, 39887), (131, 39851), (136, 39824), (137, 39803), (143, 39782), (144, 39767), (150, 39737), (151, 39734), (164, 39623), (166, 39614), (177, 39557),

Gene: NearlyHeadless_85 Start: 45887, Stop: 45384, Start Num: 97

Candidate Starts for NearlyHeadless_85:

(Start: 74 @45926 has 3 MA's), (Start: 97 @45887 has 9 MA's), (104, 45863), (110, 45839), (114, 45800), (123, 45728), (125, 45722), (127, 45701), (131, 45689), (143, 45620), (157, 45518), (169, 45434), (172, 45416), (174, 45404),

Gene: Nebs_71 Start: 44210, Stop: 43698, Start Num: 85

Candidate Starts for Nebs_71:

(Start: 85 @44210 has 137 MA's), (Start: 108 @44162 has 5 MA's), (114, 44111), (124, 44036), (127, 44012), (131, 44000), (137, 43949), (143, 43928), (153, 43871), (163, 43778), (172, 43730),

Gene: Nebulosus_81 Start: 45240, Stop: 44719, Start Num: 78

Candidate Starts for Nebulosus_81:

(Start: 78 @45240 has 158 MA's), (107, 45195), (114, 45144), (115, 45135), (121, 45087), (137, 44985), (143, 44964), (159, 44826), (163, 44808), (166, 44796), (172, 44760),

Gene: Nedarya_79 Start: 45469, Stop: 44945, Start Num: 78

Candidate Starts for Nedarya_79:

(Start: 78 @45469 has 158 MA's), (114, 45370), (116, 45346), (118, 45334), (121, 45313), (137, 45211), (143, 45190), (160, 45049), (163, 45034), (166, 45022), (172, 44986),

Gene: Neeharika16_77 Start: 44280, Stop: 43765, Start Num: 78

Candidate Starts for Neeharika16_77:

(Start: 72 @44292 has 33 MA's), (Start: 78 @44280 has 158 MA's), (114, 44193), (115, 44184), (121, 44136), (137, 44034), (143, 44013), (146, 43992), (153, 43950), (157, 43911),

Gene: Nemo27_69 Start: 44167, Stop: 43655, Start Num: 85

Candidate Starts for Nemo27_69:

(Start: 85 @44167 has 137 MA's), (Start: 108 @44119 has 5 MA's), (114, 44068), (124, 43993), (127, 43969), (129, 43963), (131, 43957), (137, 43906), (143, 43885), (153, 43828), (157, 43789), (172, 43687),

Gene: Nerujay_79 Start: 48212, Stop: 47700, Start Num: 93

Candidate Starts for Nerujay_79:

(28, 48386), (37, 48353), (Start: 67 @48269 has 2 MA's), (Start: 93 @48212 has 198 MA's), (Start: 108 @48170 has 5 MA's), (114, 48119), (115, 48110), (121, 48062), (143, 47939), (149, 47897), (176, 47711),

Gene: Newrala_77 Start: 44619, Stop: 44104, Start Num: 78

Candidate Starts for Newrala_77:

(Start: 72 @44631 has 33 MA's), (Start: 78 @44619 has 158 MA's), (114, 44532), (115, 44523), (121, 44475), (137, 44373), (143, 44352), (146, 44331), (153, 44289), (157, 44250),

Gene: Nhonho_71 Start: 45931, Stop: 45419, Start Num: 93

Candidate Starts for Nhonho_71:

(28, 46105), (37, 46072), (53, 46009), (Start: 67 @45988 has 2 MA's), (Start: 93 @45931 has 198 MA's), (Start: 108 @45889 has 5 MA's), (114, 45838), (115, 45829), (121, 45781), (143, 45658), (149, 45616), (176, 45430),

Gene: NicoleTera_73 Start: 45439, Stop: 44858, Start Num: 78

Candidate Starts for NicoleTera_73:

(Start: 72 @45451 has 33 MA's), (Start: 78 @45439 has 158 MA's), (111, 45355), (114, 45319), (118, 45283), (121, 45262), (137, 45160), (140, 45151), (150, 45091), (153, 45073), (157, 45034), (172, 44908),

Gene: Niza_75 Start: 47243, Stop: 46731, Start Num: 93

Candidate Starts for Niza_75:

(28, 47417), (37, 47384), (Start: 67 @47300 has 2 MA's), (Start: 93 @47243 has 198 MA's), (Start: 108 @47201 has 5 MA's), (114, 47150), (115, 47141), (121, 47093), (143, 46970), (149, 46928), (169, 46784), (176, 46742),

Gene: Noelle_70 Start: 44689, Stop: 44189, Start Num: 100

Candidate Starts for Noelle_70:

(Start: 100 @44689 has 20 MA's), (114, 44602), (121, 44545), (131, 44491), (132, 44479), (137, 44440), (143, 44419), (144, 44404), (172, 44221),

Gene: Norbert_69 Start: 44646, Stop: 44137, Start Num: 85

Candidate Starts for Norbert_69:

(Start: 85 @44646 has 137 MA's), (110, 44589), (114, 44550), (115, 44541), (123, 44478), (124, 44475), (129, 44445), (132, 44427), (137, 44388), (143, 44367), (157, 44271), (164, 44214), (172, 44169),

Gene: NorthStar_68 Start: 44171, Stop: 43659, Start Num: 85

Candidate Starts for NorthStar_68:

(Start: 85 @44171 has 137 MA's), (Start: 108 @44123 has 5 MA's), (114, 44072), (124, 43997), (127, 43973), (129, 43967), (131, 43961), (137, 43910), (143, 43889), (153, 43832), (157, 43793), (172, 43691),

Gene: NotAPhaseMom_69 Start: 44172, Stop: 43660, Start Num: 85

Candidate Starts for NotAPhaseMom_69:

(Start: 85 @44172 has 137 MA's), (Start: 108 @44124 has 5 MA's), (114, 44073), (124, 43998), (127, 43974), (129, 43968), (131, 43962), (137, 43911), (143, 43890), (153, 43833), (157, 43794), (172, 43692),

Gene: NothingSpecial_71 Start: 45368, Stop: 44808, Start Num: 72

Candidate Starts for NothingSpecial_71:

(Start: 72 @45368 has 33 MA's), (Start: 78 @45356 has 158 MA's), (101, 45317), (114, 45239), (116, 45215), (121, 45182), (137, 45080), (143, 45056), (149, 45014), (153, 44993), (157, 44954), (166, 44888), (172, 44852),

Gene: Nyxis_69 Start: 44061, Stop: 43549, Start Num: 85

Candidate Starts for Nyxis_69:

(Start: 85 @44061 has 137 MA's), (Start: 108 @44013 has 5 MA's), (114, 43962), (124, 43887), (127, 43863), (129, 43857), (131, 43851), (137, 43800), (143, 43779), (153, 43722), (157, 43683), (163, 43629), (172, 43581),

Gene: OKCentral2016_68 Start: 43243, Stop: 42737, Start Num: 86

Candidate Starts for OKCentral2016_68:

(Start: 58 @43306 has 1 MA's), (66, 43291), (Start: 86 @43243 has 10 MA's), (Start: 88 @43240 has 5 MA's), (114, 43147), (116, 43123), (121, 43090), (124, 43072), (127, 43048), (137, 42988), (143, 42967), (144, 42952), (157, 42871), (159, 42835), (172, 42769), (176, 42748),

Gene: OKaNui_69 Start: 44221, Stop: 43709, Start Num: 85

Candidate Starts for OKaNui_69:

(Start: 85 @44221 has 137 MA's), (Start: 108 @44173 has 5 MA's), (114, 44122), (124, 44047), (127, 44023), (129, 44017), (131, 44011), (137, 43960), (143, 43939), (153, 43882), (157, 43843), (172, 43741),

Gene: Obama12_71 Start: 44591, Stop: 44079, Start Num: 85

Candidate Starts for Obama12_71:

(Start: 85 @44591 has 137 MA's), (Start: 108 @44543 has 5 MA's), (114, 44492), (124, 44417), (127, 44393), (131, 44381), (137, 44330), (143, 44309), (153, 44252), (172, 44111),

Gene: Odin_77 Start: 45353, Stop: 44817, Start Num: 81

Candidate Starts for Odin_77:

(Start: 72 @45377 has 33 MA's), (Start: 78 @45365 has 158 MA's), (Start: 81 @45353 has 1 MA's), (114, 45248), (115, 45239), (121, 45191), (124, 45173), (137, 45089), (143, 45065), (149, 45023), (153, 45002), (157, 44963), (172, 44861),

Gene: Ohfah_71 Start: 44210, Stop: 43698, Start Num: 85

Candidate Starts for Ohfah_71:

(Start: 85 @44210 has 137 MA's), (Start: 108 @44162 has 5 MA's), (114, 44111), (124, 44036), (127, 44012), (131, 44000), (137, 43949), (143, 43928), (153, 43871), (163, 43778), (172, 43730),

Gene: Ohno789_78 Start: 47993, Stop: 47478, Start Num: 93

Candidate Starts for Ohno789_78:

(28, 48167), (37, 48134), (Start: 67 @48050 has 2 MA's), (Start: 93 @47993 has 198 MA's), (Start: 108 @47951 has 5 MA's), (114, 47900), (115, 47891), (121, 47843), (143, 47720), (149, 47678), (169, 47534), (176, 47492),

Gene: OlanP_77 Start: 44992, Stop: 44483, Start Num: 99

Candidate Starts for OlanP_77:

(Start: 99 @44992 has 68 MA's), (Start: 108 @44956 has 5 MA's), (114, 44905), (115, 44896), (124, 44830), (131, 44794), (137, 44746), (143, 44725), (152, 44665), (153, 44662), (157, 44623), (164, 44560), (172, 44515),

Gene: Ollie_79 Start: 44876, Stop: 44367, Start Num: 99

Candidate Starts for Ollie_79:

(Start: 99 @44876 has 68 MA's), (Start: 108 @44840 has 5 MA's), (114, 44789), (115, 44780), (124, 44714), (131, 44678), (137, 44630), (143, 44609), (152, 44549), (153, 44546), (154, 44543), (157, 44507), (164, 44444), (172, 44399),

Gene: Onglai_75 Start: 42975, Stop: 42439, Start Num: 78

Candidate Starts for Onglai_75:

(Start: 72 @42987 has 33 MA's), (Start: 78 @42975 has 158 MA's), (114, 42879), (115, 42870), (116, 42855), (121, 42822), (143, 42699), (144, 42684), (145, 42681), (152, 42639), (153, 42636), (161, 42558),

Gene: Oofda_83 Start: 45531, Stop: 45010, Start Num: 78

Candidate Starts for Oofda_83:

(Start: 78 @45531 has 158 MA's), (107, 45486), (114, 45435), (115, 45426), (121, 45378), (137, 45276), (143, 45255), (159, 45117), (163, 45099), (166, 45087), (172, 45051),

Gene: Oogway_74 Start: 46824, Stop: 46312, Start Num: 93

Candidate Starts for Oogway_74:

(28, 46998), (37, 46965), (Start: 67 @46881 has 2 MA's), (Start: 93 @46824 has 198 MA's), (Start: 108 @46782 has 5 MA's), (114, 46731), (115, 46722), (121, 46674), (127, 46632), (143, 46551), (149, 46509), (176, 46323),

Gene: Ovechkin_39 Start: 32190, Stop: 31654, Start Num: 73

Candidate Starts for Ovechkin_39:

(Start: 73 @32190 has 14 MA's), (Start: 108 @32124 has 5 MA's), (114, 32073), (115, 32064), (121, 32016), (127, 31974), (143, 31893), (149, 31851), (176, 31665),

Gene: P28Green_79 Start: 45011, Stop: 44502, Start Num: 99

Candidate Starts for P28Green_79:

(Start: 99 @45011 has 68 MA's), (Start: 108 @44975 has 5 MA's), (114, 44924), (115, 44915), (124, 44849), (131, 44813), (137, 44765), (143, 44744), (152, 44684), (153, 44681), (154, 44678), (157, 44642), (164, 44579), (172, 44534),

Gene: PGHhamlin_81 Start: 44997, Stop: 44488, Start Num: 99

Candidate Starts for PGHhamlin_81:

(Start: 76 @45033 has 3 MA's), (Start: 99 @44997 has 68 MA's), (Start: 108 @44961 has 5 MA's), (114, 44910), (115, 44901), (124, 44835), (131, 44799), (137, 44751), (143, 44730), (152, 44670), (153, 44667), (154, 44664), (157, 44628), (164, 44565), (172, 44520),

Gene: PP_72 Start: 48590, Stop: 48084, Start Num: 85

Candidate Starts for PP_72:

(Start: 85 @48590 has 137 MA's), (115, 48485), (124, 48419), (131, 48383), (137, 48335), (143, 48314), (153, 48257), (163, 48164), (164, 48161), (172, 48116),

Gene: PackMan_76 Start: 44656, Stop: 44108, Start Num: 72

Candidate Starts for PackMan_76:

(Start: 72 @44656 has 33 MA's), (Start: 78 @44644 has 158 MA's), (114, 44548), (115, 44539), (116, 44524), (121, 44491), (143, 44368), (144, 44353), (145, 44350), (152, 44308), (153, 44305), (161, 44227), (172, 44158),

Gene: Palestino_69 Start: 44168, Stop: 43656, Start Num: 85

Candidate Starts for Palestino_69:

(Start: 85 @44168 has 137 MA's), (Start: 108 @44120 has 5 MA's), (114, 44069), (124, 43994), (127, 43970), (129, 43964), (131, 43958), (137, 43907), (143, 43886), (153, 43829), (157, 43790), (172, 43688),

Gene: Panamaxus_71 Start: 44648, Stop: 44139, Start Num: 85

Candidate Starts for Panamaxus_71:

(Start: 85 @44648 has 137 MA's), (110, 44591), (114, 44552), (115, 44543), (123, 44480), (124, 44477), (129, 44447), (132, 44429), (137, 44390), (143, 44369), (157, 44273), (164, 44216), (172, 44171),

Gene: Papez_77 Start: 47434, Stop: 46922, Start Num: 93

Candidate Starts for Papez_77:

(Start: 67 @47491 has 2 MA's), (Start: 93 @47434 has 198 MA's), (Start: 108 @47392 has 5 MA's), (114, 47341), (115, 47332), (121, 47284), (143, 47161), (149, 47119), (176, 46933),

Gene: Paphu_70 Start: 45468, Stop: 44956, Start Num: 93

Candidate Starts for Paphu_70:

(28, 45642), (37, 45609), (Start: 67 @45525 has 2 MA's), (Start: 93 @45468 has 198 MA's), (Start: 108 @45426 has 5 MA's), (114, 45375), (115, 45366), (121, 45318), (127, 45276), (143, 45195), (149, 45153), (176, 44967),

Gene: Paraselene_73 Start: 46117, Stop: 45605, Start Num: 93

Candidate Starts for Paraselene_73:

(28, 46291), (37, 46258), (53, 46195), (Start: 67 @46174 has 2 MA's), (Start: 93 @46117 has 198 MA's), (Start: 108 @46075 has 5 MA's), (114, 46024), (115, 46015), (121, 45967), (143, 45844), (149, 45802), (176, 45616),

Gene: Pari_80 Start: 46837, Stop: 46325, Start Num: 93

Candidate Starts for Pari_80:

(28, 47011), (37, 46978), (Start: 67 @46894 has 2 MA's), (Start: 93 @46837 has 198 MA's), (Start: 108 @46795 has 5 MA's), (114, 46744), (115, 46735), (121, 46687), (143, 46564), (149, 46522), (176, 46336),

Gene: Parliament_76 Start: 49018, Stop: 48506, Start Num: 93

Candidate Starts for Parliament_76:

(28, 49192), (37, 49159), (Start: 67 @49075 has 2 MA's), (Start: 93 @49018 has 198 MA's), (Start: 108 @48976 has 5 MA's), (114, 48925), (115, 48916), (121, 48868), (143, 48745), (149, 48703), (176, 48517),

Gene: Partridge_57 Start: 40427, Stop: 39903, Start Num: 82

Candidate Starts for Partridge_57:

(Start: 82 @40427 has 23 MA's), (106, 40382), (110, 40364), (124, 40250), (131, 40214), (136, 40187), (137, 40166), (143, 40145), (151, 40097), (164, 39986), (166, 39977), (177, 39920),

Gene: PascalRango_73 Start: 46112, Stop: 45600, Start Num: 93

Candidate Starts for PascalRango_73:

(28, 46286), (37, 46253), (Start: 67 @46169 has 2 MA's), (Start: 93 @46112 has 198 MA's), (Start: 108 @46070 has 5 MA's), (114, 46019), (115, 46010), (121, 45962), (143, 45839), (149, 45797), (176, 45611),

Gene: PattyP_75 Start: 46666, Stop: 46154, Start Num: 93

Candidate Starts for PattyP_75:

(28, 46840), (37, 46807), (53, 46744), (Start: 67 @46723 has 2 MA's), (Start: 93 @46666 has 198 MA's), (Start: 108 @46624 has 5 MA's), (114, 46573), (115, 46564), (121, 46516), (143, 46393), (149, 46351), (176, 46165),

Gene: Pawn_77 Start: 44820, Stop: 44311, Start Num: 99

Candidate Starts for Pawn_77:

(Start: 99 @44820 has 68 MA's), (Start: 108 @44784 has 5 MA's), (114, 44733), (115, 44724), (124, 44658), (131, 44622), (137, 44574), (143, 44553), (152, 44493), (153, 44490), (157, 44451), (164, 44388), (172, 44343),

Gene: PeaceMeal1_68 Start: 43142, Stop: 42639, Start Num: 88

Candidate Starts for PeaceMeal1_68:

(Start: 58 @43208 has 1 MA's), (66, 43193), (Start: 86 @43145 has 10 MA's), (Start: 88 @43142 has 5 MA's), (114, 43049), (121, 42992), (124, 42974), (127, 42950), (137, 42890), (143, 42869), (159, 42737), (172, 42671), (176, 42650),

Gene: Peaches_68 Start: 44170, Stop: 43658, Start Num: 85

Candidate Starts for Peaches_68:

(Start: 85 @44170 has 137 MA's), (Start: 108 @44122 has 5 MA's), (114, 44071), (124, 43996), (127, 43972), (129, 43966), (131, 43960), (137, 43909), (143, 43888), (153, 43831), (157, 43792), (172, 43690),

Gene: Pelly_78 Start: 49199, Stop: 48687, Start Num: 93

Candidate Starts for Pelly_78:

(28, 49373), (37, 49340), (Start: 67 @49256 has 2 MA's), (Start: 93 @49199 has 198 MA's), (Start: 108 @49157 has 5 MA's), (114, 49106), (115, 49097), (121, 49049), (137, 48947), (143, 48926), (149, 48884), (169, 48740), (176, 48698),

Gene: Pembroke_79 Start: 45006, Stop: 44497, Start Num: 99

Candidate Starts for Pembroke_79:

(Start: 76 @45042 has 3 MA's), (Start: 99 @45006 has 68 MA's), (Start: 108 @44970 has 5 MA's), (114, 44919), (115, 44910), (124, 44844), (131, 44808), (137, 44760), (143, 44739), (152, 44679), (153, 44676), (154, 44673), (157, 44637), (164, 44574), (172, 44529),

Gene: Penny1_79 Start: 45009, Stop: 44500, Start Num: 99

Candidate Starts for Penny1_79:

(Start: 99 @45009 has 68 MA's), (Start: 108 @44973 has 5 MA's), (114, 44922), (115, 44913), (124, 44847), (131, 44811), (137, 44763), (143, 44742), (152, 44682), (153, 44679), (154, 44676), (157, 44640), (164, 44577), (172, 44532),

Gene: Pepe_69 Start: 44078, Stop: 43608, Start Num: 108

Candidate Starts for Pepe_69:

(Start: 108 @44078 has 5 MA's), (114, 44027), (115, 44018), (121, 43970), (143, 43847), (149, 43805), (176, 43619),

Gene: Perplexer_69 Start: 44349, Stop: 43849, Start Num: 100

Candidate Starts for Perplexer_69:

(Start: 100 @44349 has 20 MA's), (114, 44262), (116, 44238), (129, 44157), (131, 44151), (132, 44139), (137, 44100), (141, 44085), (143, 44079), (157, 43983), (166, 43917), (172, 43881),

Gene: Perseus_75 Start: 48099, Stop: 47587, Start Num: 93

Candidate Starts for Perseus_75:

(28, 48273), (37, 48240), (Start: 67 @48156 has 2 MA's), (Start: 93 @48099 has 198 MA's), (Start: 108 @48057 has 5 MA's), (114, 48006), (115, 47997), (121, 47949), (143, 47826), (149, 47784), (176, 47598),

Gene: PeterPeter_70 Start: 44165, Stop: 43653, Start Num: 85

Candidate Starts for PeterPeter_70:

(Start: 85 @44165 has 137 MA's), (Start: 108 @44117 has 5 MA's), (114, 44066), (124, 43991), (127, 43967), (129, 43961), (131, 43955), (137, 43904), (143, 43883), (153, 43826), (157, 43787), (172, 43685),

Gene: Petersenfast_72 Start: 43781, Stop: 43230, Start Num: 78

Candidate Starts for Petersenfast_72:

(Start: 59 @43823 has 1 MA's), (Start: 72 @43793 has 33 MA's), (Start: 78 @43781 has 158 MA's), (94, 43754), (114, 43664), (116, 43640), (121, 43607), (137, 43505), (143, 43481), (144, 43466), (149, 43439), (153, 43418), (157, 43379), (172, 43280), (179, 43247),

Gene: PetiteSangsue_69 Start: 44352, Stop: 43852, Start Num: 100

Candidate Starts for PetiteSangsue_69:

(Start: 100 @44352 has 20 MA's), (114, 44265), (116, 44241), (129, 44160), (131, 44154), (132, 44142), (137, 44103), (141, 44088), (143, 44082), (157, 43986), (166, 43920), (172, 43884),

Gene: Petp2012_76 Start: 47447, Stop: 46932, Start Num: 93

Candidate Starts for Petp2012_76:

(28, 47621), (37, 47588), (Start: 67 @47504 has 2 MA's), (Start: 93 @47447 has 198 MA's), (Start: 108 @47405 has 5 MA's), (114, 47354), (115, 47345), (121, 47297), (137, 47195), (143, 47174), (149, 47132), (169, 46988), (176, 46946),

Gene: Phacado_70 Start: 44167, Stop: 43655, Start Num: 85

Candidate Starts for Phacado_70:

(Start: 85 @44167 has 137 MA's), (Start: 108 @44119 has 5 MA's), (114, 44068), (124, 43993), (127, 43969), (129, 43963), (131, 43957), (137, 43906), (143, 43885), (153, 43828), (157, 43789), (172,

43687),

Gene: Phaded_71 Start: 46578, Stop: 46021, Start Num: 72

Candidate Starts for Phaded_71:

(Start: 72 @46578 has 33 MA's), (Start: 78 @46566 has 158 MA's), (114, 46449), (121, 46392), (129, 46344), (137, 46290), (153, 46203), (157, 46164), (172, 46065),

Gene: Phaeder_77 Start: 44644, Stop: 44108, Start Num: 78

Candidate Starts for Phaeder_77:

(Start: 72 @44656 has 33 MA's), (Start: 78 @44644 has 158 MA's), (114, 44548), (115, 44539), (116, 44524), (121, 44491), (143, 44368), (144, 44353), (145, 44350), (152, 44308), (153, 44305), (161, 44227), (172, 44158),

Gene: PhailMary_57 Start: 40448, Stop: 39924, Start Num: 82

Candidate Starts for PhailMary_57:

(Start: 82 @40448 has 23 MA's), (106, 40403), (110, 40385), (124, 40271), (131, 40235), (136, 40208), (137, 40187), (143, 40166), (151, 40118), (164, 40007), (166, 39998), (177, 39941),

Gene: Phalconet_39 Start: 31262, Stop: 30750, Start Num: 93

Candidate Starts for Phalconet_39:

(Start: 93 @31262 has 198 MA's), (Start: 108 @31220 has 5 MA's), (114, 31169), (115, 31160), (121, 31112), (127, 31070), (143, 30989), (149, 30947), (176, 30761),

Gene: Phanphagia_35 Start: 30304, Stop: 29768, Start Num: 73

Candidate Starts for Phanphagia_35:

(Start: 73 @30304 has 14 MA's), (Start: 108 @30238 has 5 MA's), (114, 30187), (115, 30178), (121, 30130), (127, 30088), (143, 30007), (149, 29965), (176, 29779),

Gene: Pharaoh_71 Start: 44723, Stop: 44199, Start Num: 72

Candidate Starts for Pharaoh_71:

(62, 44747), (Start: 72 @44723 has 33 MA's), (Start: 78 @44711 has 158 MA's), (114, 44618), (115, 44609), (121, 44561), (137, 44459), (143, 44435), (147, 44411), (153, 44372), (154, 44369), (157, 44333), (163, 44282), (166, 44270),

Gene: Phelipe_71 Start: 44210, Stop: 43698, Start Num: 85

Candidate Starts for Phelipe_71:

(Start: 85 @44210 has 137 MA's), (Start: 108 @44162 has 5 MA's), (114, 44111), (124, 44036), (127, 44012), (131, 44000), (137, 43949), (143, 43928), (153, 43871), (163, 43778), (172, 43730),

Gene: PherrisBueller_74 Start: 44385, Stop: 43873, Start Num: 93

Candidate Starts for PherrisBueller_74:

(28, 44559), (37, 44526), (Start: 67 @44442 has 2 MA's), (Start: 93 @44385 has 198 MA's), (Start: 108 @44343 has 5 MA's), (114, 44292), (115, 44283), (121, 44235), (143, 44112), (149, 44070), (176, 43884),

Gene: PhesterPhotato_39 Start: 31391, Stop: 30672, Start Num: 22

Candidate Starts for PhesterPhotato_39:

(Start: 22 @31391 has 1 MA's), (25, 31367), (37, 31328), (39, 31319), (69, 31238), (Start: 70 @31229 has 1 MA's), (Start: 73 @31226 has 14 MA's), (Start: 108 @31142 has 5 MA's), (114, 31091), (115, 31082), (121, 31034), (127, 30992), (143, 30911), (149, 30869), (176, 30683),

Gene: Phighter1804_70 Start: 44232, Stop: 43720, Start Num: 85

Candidate Starts for Phighter1804_70:

(Start: 85 @44232 has 137 MA's), (Start: 108 @44184 has 5 MA's), (114, 44133), (124, 44058), (127, 44034), (129, 44028), (131, 44022), (137, 43971), (143, 43950), (153, 43893), (157, 43854), (172, 43752),

Gene: Phillis_81 Start: 44943, Stop: 44401, Start Num: 74

Candidate Starts for Phillis_81:

(Start: 74 @44943 has 3 MA's), (Start: 97 @44904 has 9 MA's), (104, 44880), (114, 44817), (123, 44745), (124, 44742), (125, 44739), (127, 44718), (130, 44709), (143, 44637), (157, 44535), (166, 44469), (172, 44433), (174, 44421),

Gene: PhishRPhriends_75 Start: 44000, Stop: 43491, Start Num: 99

Candidate Starts for PhishRPhriends_75:

(Start: 99 @44000 has 68 MA's), (Start: 108 @43964 has 5 MA's), (114, 43913), (115, 43904), (124, 43838), (131, 43802), (137, 43754), (143, 43733), (152, 43673), (153, 43670), (157, 43631), (164, 43568), (172, 43523),

Gene: Phoebe_80 Start: 45001, Stop: 44492, Start Num: 99

Candidate Starts for Phoebe_80:

(Start: 99 @45001 has 68 MA's), (Start: 108 @44965 has 5 MA's), (114, 44914), (115, 44905), (124, 44839), (131, 44803), (137, 44755), (143, 44734), (152, 44674), (153, 44671), (154, 44668), (157, 44632), (164, 44569), (172, 44524),

Gene: Phonnegut_77 Start: 44716, Stop: 44180, Start Num: 78

Candidate Starts for Phonnegut_77:

(Start: 72 @44728 has 33 MA's), (Start: 78 @44716 has 158 MA's), (114, 44620), (115, 44611), (116, 44596), (121, 44563), (143, 44440), (144, 44425), (145, 44422), (152, 44380), (153, 44377), (161, 44299),

Gene: Phontbonne_70 Start: 44077, Stop: 43565, Start Num: 85

Candidate Starts for Phontbonne_70:

(Start: 85 @44077 has 137 MA's), (Start: 108 @44029 has 5 MA's), (114, 43978), (124, 43903), (127, 43879), (129, 43873), (131, 43867), (137, 43816), (143, 43795), (153, 43738), (157, 43699), (163, 43645), (172, 43597),

Gene: Phox_45 Start: 15891, Stop: 16403, Start Num: 93

Candidate Starts for Phox_45:

(24, 15702), (Start: 83 @15879 has 3 MA's), (Start: 93 @15891 has 198 MA's), (Start: 108 @15933 has 5 MA's), (114, 15984), (115, 15993), (121, 16041), (127, 16083), (143, 16164), (149, 16206), (176, 16392),

Gene: Phoxy_79 Start: 45030, Stop: 44521, Start Num: 99

Candidate Starts for Phoxy_79:

(Start: 99 @45030 has 68 MA's), (Start: 108 @44994 has 5 MA's), (114, 44943), (115, 44934), (124, 44868), (131, 44832), (137, 44784), (143, 44763), (152, 44703), (153, 44700), (154, 44697), (157, 44661), (164, 44598), (172, 44553),

Gene: PinkPlastic_71 Start: 45033, Stop: 44521, Start Num: 93

Candidate Starts for PinkPlastic_71:

(28, 45207), (37, 45174), (53, 45111), (Start: 67 @45090 has 2 MA's), (Start: 93 @45033 has 198 MA's), (Start: 108 @44991 has 5 MA's), (114, 44940), (115, 44931), (121, 44883), (143, 44760), (149, 44718), (176, 44532),

Gene: Pinkcreek_38 Start: 13361, Stop: 13873, Start Num: 93

Candidate Starts for Pinkcreek_38:

(24, 13172), (Start: 83 @13349 has 3 MA's), (Start: 93 @13361 has 198 MA's), (Start: 108 @13403 has 5 MA's), (114, 13454), (115, 13463), (121, 13511), (143, 13634), (149, 13676), (176, 13862),

Gene: Pinto_75 Start: 46896, Stop: 46384, Start Num: 93

Candidate Starts for Pinto_75:

(28, 47070), (37, 47037), (Start: 67 @46953 has 2 MA's), (Start: 93 @46896 has 198 MA's), (Start: 108 @46854 has 5 MA's), (114, 46803), (115, 46794), (121, 46746), (143, 46623), (149, 46581), (169, 46437), (176, 46395),

Gene: Pioneer_77 Start: 44716, Stop: 44180, Start Num: 78

Candidate Starts for Pioneer_77:

(Start: 72 @44728 has 33 MA's), (Start: 78 @44716 has 158 MA's), (114, 44620), (115, 44611), (116, 44596), (121, 44563), (143, 44440), (144, 44425), (145, 44422), (152, 44380), (153, 44377), (161, 44299),

Gene: Pipcraft_67 Start: 44172, Stop: 43660, Start Num: 85

Candidate Starts for Pipcraft_67:

(Start: 85 @44172 has 137 MA's), (Start: 108 @44124 has 5 MA's), (114, 44073), (124, 43998), (127, 43974), (129, 43968), (131, 43962), (137, 43911), (143, 43890), (153, 43833), (157, 43794), (172, 43692),

Gene: Pippin_76 Start: 46538, Stop: 46026, Start Num: 93

Candidate Starts for Pippin_76:

(28, 46712), (37, 46679), (53, 46616), (Start: 67 @46595 has 2 MA's), (Start: 93 @46538 has 198 MA's), (Start: 108 @46496 has 5 MA's), (114, 46445), (115, 46436), (121, 46388), (143, 46265), (149, 46223), (176, 46037),

Gene: Piro94_75 Start: 45423, Stop: 44806, Start Num: 56

Candidate Starts for Piro94_75:

(Start: 56 @45423 has 4 MA's), (64, 45411), (Start: 72 @45393 has 33 MA's), (Start: 78 @45381 has 158 MA's), (114, 45264), (115, 45255), (118, 45228), (121, 45207), (137, 45105), (149, 45039), (153, 45018), (157, 44979), (166, 44916),

Gene: Pita2_76 Start: 46539, Stop: 46027, Start Num: 93

Candidate Starts for Pita2_76:

(28, 46713), (37, 46680), (Start: 67 @46596 has 2 MA's), (Start: 93 @46539 has 198 MA's), (Start: 108 @46497 has 5 MA's), (114, 46446), (115, 46437), (121, 46389), (137, 46287), (143, 46266), (149, 46224), (169, 46080), (176, 46038),

Gene: Pmask_77 Start: 44829, Stop: 44302, Start Num: 72

Candidate Starts for Pmask_77:

(Start: 72 @44829 has 33 MA's), (Start: 78 @44817 has 158 MA's), (114, 44730), (115, 44721), (121, 44673), (137, 44571), (143, 44550), (146, 44529), (153, 44487), (157, 44448),

Gene: Pocahontas_72 Start: 44643, Stop: 44134, Start Num: 85

Candidate Starts for Pocahontas_72:

(Start: 85 @44643 has 137 MA's), (110, 44586), (114, 44547), (115, 44538), (123, 44475), (124, 44472), (129, 44442), (132, 44424), (137, 44385), (143, 44364), (157, 44268), (164, 44211), (172, 44166),

Gene: Polymorphads_70 Start: 44191, Stop: 43679, Start Num: 85

Candidate Starts for Polymorphads_70:

(Start: 85 @44191 has 137 MA's), (Start: 108 @44143 has 5 MA's), (114, 44092), (124, 44017), (127, 43993), (131, 43981), (137, 43930), (143, 43909), (153, 43852), (163, 43759), (172, 43711),

Gene: Pomar16_78 Start: 45917, Stop: 45372, Start Num: 78

Candidate Starts for Pomar16_78:

(Start: 72 @45929 has 33 MA's), (Start: 78 @45917 has 158 MA's), (114, 45800), (115, 45791), (116, 45776), (121, 45743), (137, 45641), (139, 45635), (143, 45617), (148, 45590), (149, 45575), (150, 45572), (152, 45557), (157, 45515), (164, 45461), (169, 45434), (172, 45416),

Gene: Poompha_67 Start: 43206, Stop: 42637, Start Num: 58

Candidate Starts for Poompha_67:

(Start: 58 @43206 has 1 MA's), (66, 43191), (Start: 86 @43143 has 10 MA's), (Start: 88 @43140 has 5 MA's), (114, 43047), (121, 42990), (124, 42972), (127, 42948), (137, 42888), (143, 42867), (159, 42735), (172, 42669), (176, 42648),

Gene: Popcicle_73 Start: 44643, Stop: 44134, Start Num: 85

Candidate Starts for Popcicle_73:

(Start: 85 @44643 has 137 MA's), (110, 44586), (114, 44547), (115, 44538), (123, 44475), (124, 44472), (129, 44442), (132, 44424), (137, 44385), (143, 44364), (157, 44268), (164, 44211), (172, 44166),

Gene: PotatoSplit_80 Start: 45009, Stop: 44500, Start Num: 99

Candidate Starts for PotatoSplit_80:

(Start: 99 @45009 has 68 MA's), (Start: 108 @44973 has 5 MA's), (114, 44922), (115, 44913), (124, 44847), (131, 44811), (137, 44763), (143, 44742), (152, 44682), (153, 44679), (154, 44676), (157, 44640), (164, 44577), (172, 44532),

Gene: Pound_183 Start: 95495, Stop: 94983, Start Num: 93

Candidate Starts for Pound_183:

(8, 95786), (30, 95657), (46, 95600), (49, 95591), (Start: 79 @95519 has 1 MA's), (Start: 91 @95498 has 2 MA's), (Start: 93 @95495 has 198 MA's), (Start: 108 @95453 has 5 MA's), (114, 95402), (115, 95393), (121, 95345), (127, 95303), (143, 95222), (149, 95180), (176, 94994),

Gene: Power_75 Start: 45761, Stop: 45186, Start Num: 78

Candidate Starts for Power_75:

(Start: 56 @45803 has 4 MA's), (64, 45791), (Start: 72 @45773 has 33 MA's), (Start: 78 @45761 has 158 MA's), (114, 45644), (115, 45635), (121, 45587), (137, 45485), (153, 45398), (157, 45359), (166, 45296),

Gene: Priya_75 Start: 44441, Stop: 43905, Start Num: 78

Candidate Starts for Priya_75:

(Start: 72 @44453 has 33 MA's), (Start: 78 @44441 has 158 MA's), (114, 44345), (115, 44336), (116, 44321), (121, 44288), (143, 44165), (144, 44150), (145, 44147), (152, 44105), (153, 44102), (161, 44024), (166, 43994),

Gene: ProMouse_75 Start: 46038, Stop: 45526, Start Num: 93

Candidate Starts for ProMouse_75:

(28, 46212), (37, 46179), (53, 46116), (Start: 67 @46095 has 2 MA's), (Start: 93 @46038 has 198 MA's), (Start: 108 @45996 has 5 MA's), (114, 45945), (115, 45936), (121, 45888), (143, 45765), (149, 45723), (176, 45537),

Gene: Pukovnik_72 Start: 46197, Stop: 45637, Start Num: 72

Candidate Starts for Pukovnik_72:

(Start: 72 @46197 has 33 MA's), (Start: 78 @46185 has 158 MA's), (89, 46164), (Start: 103 @46131 has 1 MA's), (114, 46068), (121, 46011), (137, 45909), (139, 45903), (143, 45885), (153, 45822), (157, 45783), (166, 45717), (172, 45681),

Gene: Pumbaa_70 Start: 44116, Stop: 43604, Start Num: 85

Candidate Starts for Pumbaa_70:

(Start: 85 @44116 has 137 MA's), (Start: 108 @44068 has 5 MA's), (114, 44017), (124, 43942), (127, 43918), (129, 43912), (131, 43906), (137, 43855), (143, 43834), (153, 43777), (157, 43738), (172, 43636),

Gene: Puppy_74 Start: 44305, Stop: 43799, Start Num: 90

Candidate Starts for Puppy_74:

(80, 44320), (Start: 85 @44311 has 137 MA's), (Start: 90 @44305 has 3 MA's), (114, 44212), (124, 44137), (125, 44134), (127, 44113), (129, 44107), (132, 44089), (137, 44050), (141, 44035), (143, 44029), (157, 43933), (164, 43876), (172, 43831),

Gene: PurpleHaze_78 Start: 44815, Stop: 44306, Start Num: 99

Candidate Starts for PurpleHaze_78:

(Start: 99 @44815 has 68 MA's), (Start: 108 @44779 has 5 MA's), (114, 44728), (115, 44719), (124, 44653), (131, 44617), (137, 44569), (143, 44548), (152, 44488), (153, 44485), (157, 44446), (164, 44383), (172, 44338),

Gene: QTRlifeCrisis_74 Start: 45881, Stop: 45369, Start Num: 93

Candidate Starts for QTRlifeCrisis_74:

(28, 46055), (37, 46022), (Start: 67 @45938 has 2 MA's), (Start: 93 @45881 has 198 MA's), (Start: 108 @45839 has 5 MA's), (114, 45788), (115, 45779), (121, 45731), (143, 45608), (149, 45566), (176, 45380),

Gene: Qobbit_75 Start: 44403, Stop: 43867, Start Num: 78

Candidate Starts for Qobbit_75:

(Start: 72 @44415 has 33 MA's), (Start: 78 @44403 has 158 MA's), (114, 44307), (115, 44298), (116, 44283), (121, 44250), (143, 44127), (144, 44112), (145, 44109), (152, 44067), (153, 44064), (161, 43986), (166, 43956),

Gene: QueenB2_73 Start: 45044, Stop: 44466, Start Num: 78

Candidate Starts for QueenB2_73:

(Start: 35 @45164 has 1 MA's), (Start: 56 @45086 has 4 MA's), (64, 45074), (Start: 72 @45056 has 33 MA's), (Start: 78 @45044 has 158 MA's), (114, 44927), (115, 44918), (121, 44870), (137, 44768), (153, 44681), (156, 44651), (157, 44642), (166, 44579),

Gene: QueenBeesly_76 Start: 45718, Stop: 45143, Start Num: 78

Candidate Starts for QueenBeesly_76:

(Start: 56 @45760 has 4 MA's), (64, 45748), (Start: 72 @45730 has 33 MA's), (Start: 78 @45718 has 158 MA's), (114, 45601), (115, 45592), (121, 45544), (137, 45442), (153, 45355), (157, 45316), (166, 45253),

Gene: QuinnKiro_72 Start: 44647, Stop: 44138, Start Num: 85

Candidate Starts for QuinnKiro_72:

(Start: 85 @44647 has 137 MA's), (110, 44590), (114, 44551), (115, 44542), (123, 44479), (124, 44476), (129, 44446), (132, 44428), (137, 44389), (143, 44368), (157, 44272), (164, 44215), (172, 44170),

Gene: Rabinovish_45 Start: 16067, Stop: 16579, Start Num: 93

Candidate Starts for Rabinovish_45:

(24, 15878), (Start: 83 @16055 has 3 MA's), (Start: 93 @16067 has 198 MA's), (Start: 108 @16109 has 5 MA's), (114, 16160), (115, 16169), (121, 16217), (143, 16340), (149, 16382), (176, 16568),

Gene: Rachaly_71 Start: 44832, Stop: 44260, Start Num: 78

Candidate Starts for Rachaly_71:

(Start: 72 @44844 has 33 MA's), (Start: 78 @44832 has 158 MA's), (Start: 86 @44817 has 10 MA's), (94, 44805), (114, 44715), (115, 44706), (116, 44691), (121, 44658), (124, 44640), (130, 44607), (137, 44556), (149, 44490), (157, 44430), (170, 44325), (179, 44280),

Gene: Rahalelujah_77 Start: 44590, Stop: 44048, Start Num: 72

Candidate Starts for Rahalelujah_77:

(Start: 72 @44590 has 33 MA's), (Start: 78 @44578 has 158 MA's), (114, 44482), (116, 44458), (121, 44425), (124, 44407), (143, 44302), (145, 44284), (152, 44242), (153, 44239), (157, 44200), (161, 44161), (163, 44143), (164, 44140), (166, 44131), (172, 44092),

Gene: Rajelicia_77 Start: 48719, Stop: 48207, Start Num: 93

Candidate Starts for Rajelicia_77:

(28, 48893), (37, 48860), (Start: 67 @48776 has 2 MA's), (Start: 93 @48719 has 198 MA's), (Start: 108 @48677 has 5 MA's), (114, 48626), (115, 48617), (121, 48569), (143, 48446), (149, 48404), (176, 48218),

Gene: ReMo_82 Start: 45680, Stop: 45159, Start Num: 78

Candidate Starts for ReMo_82:

(Start: 78 @45680 has 158 MA's), (107, 45635), (114, 45584), (115, 45575), (121, 45527), (137, 45425), (143, 45404), (159, 45266), (163, 45248), (166, 45236), (172, 45200),

Gene: Reba_74 Start: 43656, Stop: 43147, Start Num: 99

Candidate Starts for Reba_74:

(Start: 99 @43656 has 68 MA's), (Start: 108 @43620 has 5 MA's), (114, 43569), (115, 43560), (124, 43494), (131, 43458), (137, 43410), (143, 43389), (152, 43329), (153, 43326), (157, 43287), (164, 43224), (172, 43179),

Gene: Rebeuca_71 Start: 44450, Stop: 43944, Start Num: 88

Candidate Starts for Rebeuca_71:

(Start: 58 @44516 has 1 MA's), (66, 44501), (Start: 86 @44453 has 10 MA's), (Start: 88 @44450 has 5 MA's), (114, 44354), (116, 44330), (121, 44297), (124, 44279), (127, 44255), (137, 44195), (143, 44174), (153, 44117), (157, 44078), (159, 44042), (172, 43976), (176, 43955),

Gene: RedRock_74 Start: 45760, Stop: 45170, Start Num: 72

Candidate Starts for RedRock_74:

(68, 45772), (Start: 72 @45760 has 33 MA's), (Start: 78 @45748 has 158 MA's), (101, 45709), (114, 45631), (115, 45622), (121, 45574), (126, 45547), (137, 45472), (140, 45463), (150, 45403), (153, 45385), (157, 45346), (167, 45271),

Gene: Refuge_73 Start: 45856, Stop: 45341, Start Num: 78

Candidate Starts for Refuge_73:

(57, 45901), (Start: 78 @45856 has 158 MA's), (114, 45766), (115, 45757), (121, 45709), (137, 45607), (143, 45583), (147, 45559), (153, 45520), (157, 45481), (166, 45418), (172, 45382), (179, 45349),

Gene: Relief_69 Start: 44168, Stop: 43656, Start Num: 85

Candidate Starts for Relief_69:

(Start: 85 @44168 has 137 MA's), (Start: 108 @44120 has 5 MA's), (114, 44069), (124, 43994), (127, 43970), (129, 43964), (131, 43958), (137, 43907), (143, 43886), (153, 43829), (157, 43790), (172, 43688),

Gene: Remus_84 Start: 45610, Stop: 45089, Start Num: 78

Candidate Starts for Remus_84:

(Start: 78 @45610 has 158 MA's), (107, 45565), (114, 45514), (115, 45505), (121, 45457), (137, 45355), (143, 45334), (159, 45196), (163, 45178), (166, 45166), (172, 45130),

Gene: ResDef_71 Start: 44650, Stop: 44138, Start Num: 85

Candidate Starts for ResDef_71:

(Start: 85 @44650 has 137 MA's), (110, 44593), (114, 44554), (115, 44545), (123, 44482), (124, 44479), (129, 44449), (132, 44428), (137, 44389), (143, 44368), (157, 44272), (164, 44215), (172, 44170),

Gene: Retro23_76 Start: 45449, Stop: 44871, Start Num: 78

Candidate Starts for Retro23_76:

(Start: 56 @45491 has 4 MA's), (64, 45479), (Start: 72 @45461 has 33 MA's), (Start: 78 @45449 has 158 MA's), (114, 45332), (115, 45323), (121, 45275), (137, 45173), (150, 45104), (153, 45086), (156, 45056), (157, 45047), (166, 44984),

Gene: RexFury_57 Start: 40154, Stop: 39630, Start Num: 82

Candidate Starts for RexFury_57:

(Start: 82 @40154 has 23 MA's), (106, 40109), (110, 40091), (124, 39977), (131, 39941), (136, 39914), (137, 39893), (143, 39872), (144, 39857), (150, 39827), (151, 39824), (164, 39713), (166, 39704), (177, 39647),

Gene: Rhodalysa_58 Start: 40126, Stop: 39602, Start Num: 82

Candidate Starts for Rhodalysa_58:

(Start: 82 @40126 has 23 MA's), (106, 40081), (110, 40063), (124, 39949), (131, 39913), (136, 39886), (137, 39865), (143, 39844), (144, 39829), (150, 39799), (151, 39796), (153, 39781), (164, 39685), (166, 39676), (177, 39619),

Gene: Rhynn_71 Start: 46307, Stop: 45795, Start Num: 93

Candidate Starts for Rhynn_71:

(32, 46466), (Start: 67 @46364 has 2 MA's), (Start: 93 @46307 has 198 MA's), (Start: 108 @46265 has 5 MA's), (114, 46214), (115, 46205), (121, 46157), (143, 46034), (149, 45992), (169, 45848), (176, 45806),

Gene: Rialto_43 Start: 33485, Stop: 32973, Start Num: 93

Candidate Starts for Rialto_43:

(65, 33539), (Start: 93 @33485 has 198 MA's), (Start: 108 @33443 has 5 MA's), (114, 33392), (115, 33383), (121, 33335), (127, 33293), (143, 33212), (149, 33170), (176, 32984),

Gene: Rifter_78 Start: 43502, Stop: 42987, Start Num: 78

Candidate Starts for Rifter_78:

(31, 43634), (Start: 61 @43538 has 9 MA's), (Start: 72 @43514 has 33 MA's), (Start: 78 @43502 has 158 MA's), (114, 43415), (121, 43358), (137, 43256), (143, 43235), (153, 43172), (157, 43133), (164, 43079), (166, 43070), (178, 43007),

Gene: Ringer_75 Start: 47251, Stop: 46739, Start Num: 93

Candidate Starts for Ringer_75:

(28, 47425), (37, 47392), (Start: 67 @47308 has 2 MA's), (Start: 93 @47251 has 198 MA's), (Start: 108 @47209 has 5 MA's), (114, 47158), (115, 47149), (121, 47101), (143, 46978), (149, 46936), (176, 46750),

Gene: Roary_86 Start: 46114, Stop: 45572, Start Num: 74

Candidate Starts for Roary_86:

(Start: 74 @46114 has 3 MA's), (Start: 97 @46075 has 9 MA's), (104, 46051), (110, 46027), (114, 45988), (123, 45916), (125, 45910), (127, 45889), (131, 45877), (143, 45808), (157, 45706), (169, 45622), (172, 45604), (174, 45592),

Gene: Rohr_78 Start: 48502, Stop: 47990, Start Num: 93

Candidate Starts for Rohr_78:

(28, 48676), (37, 48643), (Start: 67 @48559 has 2 MA's), (Start: 93 @48502 has 198 MA's), (Start: 108 @48460 has 5 MA's), (114, 48409), (115, 48400), (121, 48352), (137, 48250), (143, 48229), (149, 48187), (169, 48043), (176, 48001),

Gene: Roksolana_78 Start: 44236, Stop: 43721, Start Num: 78

Candidate Starts for Roksolana_78:

(Start: 61 @44272 has 9 MA's), (Start: 72 @44248 has 33 MA's), (Start: 78 @44236 has 158 MA's), (114, 44149), (121, 44092), (137, 43990), (143, 43969), (153, 43906), (157, 43867), (164, 43813), (166, 43804), (178, 43741),

Gene: Romney_69 Start: 44168, Stop: 43656, Start Num: 85

Candidate Starts for Romney_69:

(Start: 85 @44168 has 137 MA's), (Start: 108 @44120 has 5 MA's), (114, 44069), (124, 43994), (127, 43970), (129, 43964), (131, 43958), (137, 43907), (143, 43886), (153, 43829), (157, 43790), (172, 43688),

Gene: Ronan_41 Start: 12698, Stop: 13210, Start Num: 93

Candidate Starts for Ronan_41:

(24, 12509), (Start: 83 @12686 has 3 MA's), (Start: 93 @12698 has 198 MA's), (Start: 108 @12740 has 5 MA's), (114, 12791), (115, 12800), (121, 12848), (127, 12890), (143, 12971), (149, 13013), (176, 13199),

Gene: Roosevelt_68 Start: 44173, Stop: 43661, Start Num: 85

Candidate Starts for Roosevelt_68:

(Start: 85 @44173 has 137 MA's), (Start: 108 @44125 has 5 MA's), (114, 44074), (124, 43999), (127, 43975), (129, 43969), (131, 43963), (137, 43912), (143, 43891), (153, 43834), (157, 43795), (163, 43741), (172, 43693),

Gene: Rosa24_67 Start: 44199, Stop: 43687, Start Num: 85

Candidate Starts for Rosa24_67:

(Start: 85 @44199 has 137 MA's), (Start: 108 @44151 has 5 MA's), (114, 44100), (124, 44025), (127, 44001), (129, 43995), (131, 43989), (137, 43938), (143, 43917), (153, 43860), (157, 43821), (172, 43719),

Gene: Rosalind_82 Start: 45504, Stop: 44983, Start Num: 78

Candidate Starts for Rosalind_82:

(Start: 78 @45504 has 158 MA's), (107, 45459), (114, 45408), (115, 45399), (121, 45351), (137, 45249), (143, 45228), (159, 45090), (163, 45072), (166, 45060), (172, 45024),

Gene: Rowdy_72 Start: 44148, Stop: 43642, Start Num: 88

Candidate Starts for Rowdy_72:

(Start: 58 @44214 has 1 MA's), (66, 44199), (Start: 88 @44148 has 5 MA's), (Start: 108 @44106 has 5 MA's), (114, 44055), (116, 44031), (121, 43998), (124, 43980), (127, 43956), (137, 43896), (143, 43875), (159, 43743), (172, 43677), (176, 43656),

Gene: Rubeus_76 Start: 45002, Stop: 44490, Start Num: 93

Candidate Starts for Rubeus_76:

(28, 45176), (37, 45143), (Start: 67 @45059 has 2 MA's), (Start: 93 @45002 has 198 MA's), (Start: 108 @44960 has 5 MA's), (114, 44909), (115, 44900), (121, 44852), (143, 44729), (149, 44687), (176, 44501),

Gene: Rufus_78 Start: 47691, Stop: 47179, Start Num: 93

Candidate Starts for Rufus_78:

(28, 47865), (37, 47832), (Start: 67 @47748 has 2 MA's), (Start: 93 @47691 has 198 MA's), (Start: 108 @47649 has 5 MA's), (114, 47598), (115, 47589), (121, 47541), (143, 47418), (149, 47376), (176, 47190),

Gene: Ruin_70 Start: 44164, Stop: 43652, Start Num: 85

Candidate Starts for Ruin_70:

(Start: 85 @44164 has 137 MA's), (Start: 108 @44116 has 5 MA's), (114, 44065), (124, 43990), (127, 43966), (129, 43960), (131, 43954), (137, 43903), (143, 43882), (153, 43825), (157, 43786), (172, 43684),

Gene: Rummer_78 Start: 45033, Stop: 44524, Start Num: 99

Candidate Starts for Rummer_78:

(Start: 99 @45033 has 68 MA's), (Start: 108 @44997 has 5 MA's), (114, 44946), (115, 44937), (124, 44871), (131, 44835), (137, 44787), (143, 44766), (152, 44706), (153, 44703), (154, 44700), (157, 44664), (164, 44601), (172, 44556),

Gene: Ruotula_79 Start: 48104, Stop: 47592, Start Num: 93

Candidate Starts for Ruotula_79:

(28, 48278), (37, 48245), (Start: 67 @48161 has 2 MA's), (Start: 93 @48104 has 198 MA's), (Start: 108 @48062 has 5 MA's), (114, 48011), (115, 48002), (121, 47954), (143, 47831), (149, 47789), (176, 47603),

Gene: Rutherferd_77 Start: 47271, Stop: 46759, Start Num: 93

Candidate Starts for Rutherferd_77:

(28, 47445), (33, 47427), (37, 47412), (Start: 67 @47328 has 2 MA's), (Start: 93 @47271 has 198 MA's), (Start: 108 @47229 has 5 MA's), (114, 47178), (115, 47169), (121, 47121), (143, 46998), (149, 46956), (176, 46770),

Gene: RyeScarlet_78 Start: 44691, Stop: 44155, Start Num: 78

Candidate Starts for RyeScarlet_78:

(Start: 72 @44703 has 33 MA's), (Start: 78 @44691 has 158 MA's), (114, 44595), (115, 44586), (116, 44571), (121, 44538), (143, 44415), (144, 44400), (145, 44397), (152, 44355), (153, 44352), (161, 44274),

Gene: STLscum_81 Start: 47313, Stop: 46801, Start Num: 93

Candidate Starts for STLscum_81:

(28, 47487), (37, 47454), (Start: 67 @47370 has 2 MA's), (Start: 93 @47313 has 198 MA's), (Start: 108 @47271 has 5 MA's), (114, 47220), (115, 47211), (121, 47163), (143, 47040), (149, 46998), (176, 46812),

Gene: Sabertooth_70 Start: 44174, Stop: 43662, Start Num: 85

Candidate Starts for Sabertooth_70:

(Start: 85 @44174 has 137 MA's), (Start: 108 @44126 has 5 MA's), (114, 44075), (124, 44000), (127, 43976), (129, 43970), (131, 43964), (137, 43913), (143, 43892), (153, 43835), (157, 43796), (172, 43694),

Gene: Sabia_77 Start: 45049, Stop: 44504, Start Num: 76

Candidate Starts for Sabia_77:

(Start: 76 @45049 has 3 MA's), (Start: 99 @45013 has 68 MA's), (Start: 108 @44977 has 5 MA's), (114, 44926), (115, 44917), (124, 44851), (131, 44815), (137, 44767), (143, 44746), (152, 44686), (153, 44683), (154, 44680), (157, 44644), (164, 44581), (172, 44536),

Gene: Sabinator_77 Start: 45007, Stop: 44498, Start Num: 99

Candidate Starts for Sabinator_77:

(Start: 99 @45007 has 68 MA's), (Start: 108 @44971 has 5 MA's), (114, 44920), (115, 44911), (124, 44845), (131, 44809), (137, 44761), (143, 44740), (152, 44680), (153, 44677), (154, 44674), (157, 44638), (164, 44575), (172, 44530),

Gene: Sachima_73 Start: 44672, Stop: 44136, Start Num: 78

Candidate Starts for Sachima_73:

(Start: 72 @44684 has 33 MA's), (Start: 78 @44672 has 158 MA's), (114, 44576), (115, 44567), (116, 44552), (121, 44519), (143, 44396), (144, 44381), (145, 44378), (152, 44336), (153, 44333), (161, 44255),

Gene: Sagefire_72 Start: 46361, Stop: 45849, Start Num: 93

Candidate Starts for Sagefire_72:

(28, 46535), (37, 46502), (Start: 67 @46418 has 2 MA's), (Start: 93 @46361 has 198 MA's), (Start: 108 @46319 has 5 MA's), (114, 46268), (115, 46259), (121, 46211), (143, 46088), (149, 46046), (176, 45860),

Gene: Saintus_80 Start: 42723, Stop: 42220, Start Num: 97

Candidate Starts for Saintus_80:

(Start: 74 @42762 has 3 MA's), (Start: 97 @42723 has 9 MA's), (104, 42699), (110, 42675), (114, 42636), (123, 42564), (125, 42558), (127, 42537), (131, 42525), (143, 42456), (157, 42354), (169, 42270), (172, 42252), (174, 42240),

Gene: Salz_73 Start: 43696, Stop: 43145, Start Num: 78

Candidate Starts for Salz_73:

(Start: 59 @43738 has 1 MA's), (Start: 72 @43708 has 33 MA's), (Start: 78 @43696 has 158 MA's), (94, 43669), (114, 43579), (116, 43555), (121, 43522), (137, 43420), (143, 43396), (144, 43381), (149, 43354), (153, 43333), (157, 43294), (172, 43195), (179, 43162),

Gene: SamScheppers_83 Start: 52699, Stop: 53205, Start Num: 87

Candidate Starts for SamScheppers_83:

(Start: 87 @52699 has 1 MA's), (Start: 108 @52744 has 5 MA's), (115, 52804), (116, 52819), (124, 52870), (144, 52993), (147, 53002), (155, 53062), (157, 53080), (164, 53137),

Gene: Sandaddy_73 Start: 46693, Stop: 46181, Start Num: 93

Candidate Starts for Sandaddy_73:

(28, 46867), (37, 46834), (Start: 67 @46750 has 2 MA's), (Start: 93 @46693 has 198 MA's), (Start: 108 @46651 has 5 MA's), (114, 46600), (115, 46591), (121, 46543), (143, 46420), (149, 46378), (176, 46192),

Gene: Sanya_70 Start: 46998, Stop: 46486, Start Num: 93

Candidate Starts for Sanya_70:

(28, 47172), (37, 47139), (Start: 67 @47055 has 2 MA's), (Start: 93 @46998 has 198 MA's), (Start: 108 @46956 has 5 MA's), (114, 46905), (115, 46896), (121, 46848), (143, 46725), (149, 46683), (176, 46497),

Gene: SaturnRing_73 Start: 44692, Stop: 44180, Start Num: 85

Candidate Starts for SaturnRing_73:

(80, 44701), (Start: 85 @44692 has 137 MA's), (Start: 90 @44686 has 3 MA's), (114, 44593), (124, 44518), (127, 44494), (129, 44488), (132, 44470), (137, 44431), (141, 44416), (143, 44410), (157, 44314), (164, 44257), (172, 44212),

Gene: Scamp_70 Start: 44173, Stop: 43661, Start Num: 85

Candidate Starts for Scamp_70:

(Start: 85 @44173 has 137 MA's), (Start: 108 @44125 has 5 MA's), (114, 44074), (124, 43999), (127, 43975), (129, 43969), (131, 43963), (137, 43912), (143, 43891), (153, 43834), (157, 43795), (172, 43693),

Gene: Scherzo_76 Start: 44948, Stop: 44400, Start Num: 72

Candidate Starts for Scherzo_76:

(Start: 72 @44948 has 33 MA's), (Start: 78 @44936 has 158 MA's), (114, 44840), (116, 44816), (121, 44783), (143, 44660), (144, 44645), (145, 44642), (152, 44600), (153, 44597), (161, 44519),

Gene: Scout_72 Start: 43869, Stop: 43357, Start Num: 85

Candidate Starts for Scout_72:

(Start: 61 @43923 has 9 MA's), (Start: 85 @43869 has 137 MA's), (Start: 90 @43863 has 3 MA's), (114, 43770), (124, 43695), (125, 43692), (127, 43671), (132, 43647), (137, 43608), (141, 43593), (143, 43587), (157, 43491), (164, 43434), (172, 43389),

Gene: Scowl_76 Start: 46658, Stop: 46146, Start Num: 93

Candidate Starts for Scowl_76:

(28, 46832), (33, 46814), (37, 46799), (Start: 67 @46715 has 2 MA's), (Start: 93 @46658 has 198 MA's), (Start: 108 @46616 has 5 MA's), (114, 46565), (115, 46556), (121, 46508), (143, 46385), (149, 46343), (169, 46199), (176, 46157),

Gene: Seabiscuit_75 Start: 45167, Stop: 44655, Start Num: 93

Candidate Starts for Seabiscuit_75:

(1, 45692), (2, 45578), (5, 45509), (28, 45341), (37, 45308), (Start: 67 @45224 has 2 MA's), (Start: 93 @45167 has 198 MA's), (Start: 108 @45125 has 5 MA's), (114, 45074), (115, 45065), (121, 45017), (143, 44894), (149, 44852), (176, 44666),

Gene: Seanderson_75 Start: 48062, Stop: 47550, Start Num: 93

Candidate Starts for Seanderson_75:

(28, 48236), (37, 48203), (53, 48140), (Start: 67 @48119 has 2 MA's), (Start: 93 @48062 has 198 MA's), (Start: 108 @48020 has 5 MA's), (114, 47969), (115, 47960), (121, 47912), (143, 47789), (149, 47747), (176, 47561),

Gene: SemperFi_76 Start: 45606, Stop: 45031, Start Num: 78

Candidate Starts for SemperFi_76:

(Start: 56 @45648 has 4 MA's), (64, 45636), (Start: 72 @45618 has 33 MA's), (Start: 78 @45606 has 158 MA's), (114, 45489), (115, 45480), (121, 45432), (137, 45330), (153, 45243), (157, 45204), (166, 45141),

Gene: Serenity_79 Start: 45017, Stop: 44466, Start Num: 78

Candidate Starts for Serenity_79:

(20, 45218), (Start: 40 @45116 has 1 MA's), (44, 45095), (Start: 59 @45056 has 1 MA's), (Start: 72 @45029 has 33 MA's), (Start: 78 @45017 has 158 MA's), (96, 44990), (115, 44891), (116, 44876), (121, 44843), (137, 44741), (139, 44735), (143, 44717), (148, 44690), (149, 44675), (153, 44654), (157, 44615), (166, 44552),

Gene: Severus_68 Start: 43143, Stop: 42637, Start Num: 86

Candidate Starts for Severus_68:

(Start: 58 @43206 has 1 MA's), (66, 43191), (Start: 86 @43143 has 10 MA's), (Start: 88 @43140 has 5 MA's), (114, 43047), (121, 42990), (124, 42972), (127, 42948), (137, 42888), (143, 42867), (159, 42735), (172, 42669), (176, 42648),

Gene: Shaka_68 Start: 44168, Stop: 43656, Start Num: 85

Candidate Starts for Shaka_68:

(Start: 85 @44168 has 137 MA's), (Start: 108 @44120 has 5 MA's), (114, 44069), (124, 43994), (127, 43970), (131, 43958), (137, 43907), (143, 43886), (153, 43829), (172, 43688),

Gene: Shapes_72 Start: 44148, Stop: 43642, Start Num: 88

Candidate Starts for Shapes_72:

(Start: 58 @44214 has 1 MA's), (66, 44199), (Start: 88 @44148 has 5 MA's), (Start: 108 @44106 has 5 MA's), (114, 44055), (116, 44031), (121, 43998), (124, 43980), (127, 43956), (137, 43896), (143, 43875), (159, 43743), (172, 43677), (176, 43656),

Gene: Shaqnato_43 Start: 13851, Stop: 14363, Start Num: 93

Candidate Starts for Shaqnato_43:

(24, 13662), (Start: 83 @13839 has 3 MA's), (Start: 93 @13851 has 198 MA's), (Start: 108 @13893 has 5 MA's), (114, 13944), (115, 13953), (121, 14001), (127, 14043), (143, 14124), (149, 14166), (176, 14352),

Gene: Shauna1_36 Start: 30307, Stop: 29771, Start Num: 73

Candidate Starts for Shauna1_36:

(Start: 73 @30307 has 14 MA's), (Start: 108 @30241 has 5 MA's), (114, 30190), (115, 30181), (121, 30133), (127, 30091), (143, 30010), (149, 29968), (176, 29782),

Gene: SheaKeira_71 Start: 43755, Stop: 43222, Start Num: 78

Candidate Starts for SheaKeira_71:

(Start: 78 @43755 has 158 MA's), (112, 43692), (114, 43659), (116, 43635), (121, 43602), (124, 43584), (143, 43479), (144, 43464), (145, 43461), (152, 43419), (153, 43416), (160, 43341), (162, 43335), (163, 43320), (164, 43317), (166, 43308),

Gene: Sheen_74 Start: 48075, Stop: 47566, Start Num: 85

Candidate Starts for Sheen_74:

(77, 48093), (Start: 85 @48075 has 137 MA's), (114, 47976), (121, 47919), (123, 47904), (124, 47901), (125, 47898), (127, 47877), (131, 47865), (143, 47796), (153, 47739), (164, 47643), (172, 47598),

Gene: SheldonCooper_70 Start: 44608, Stop: 44096, Start Num: 85

Candidate Starts for SheldonCooper_70:

(Start: 85 @44608 has 137 MA's), (Start: 108 @44560 has 5 MA's), (114, 44509), (124, 44434), (127, 44410), (131, 44398), (137, 44347), (143, 44326), (153, 44269), (172, 44128),

Gene: ShortQueendom_68 Start: 44367, Stop: 43855, Start Num: 93

Candidate Starts for ShortQueendom_68:

(28, 44541), (37, 44508), (Start: 67 @44424 has 2 MA's), (Start: 93 @44367 has 198 MA's), (Start: 108 @44325 has 5 MA's), (114, 44274), (115, 44265), (121, 44217), (143, 44094), (149, 44052), (176, 43866),

Gene: Shuman_59 Start: 40077, Stop: 39553, Start Num: 82

Candidate Starts for Shuman_59:

(Start: 82 @40077 has 23 MA's), (106, 40032), (110, 40014), (124, 39900), (131, 39864), (136, 39837), (137, 39816), (143, 39795), (144, 39780), (150, 39750), (151, 39747), (164, 39636), (166, 39627), (177, 39570),

Gene: Shygu2_69 Start: 44403, Stop: 43903, Start Num: 100

Candidate Starts for Shygu2_69:

(Start: 100 @44403 has 20 MA's), (114, 44316), (116, 44292), (129, 44211), (131, 44205), (132, 44193), (137, 44154), (141, 44139), (143, 44133), (157, 44037), (166, 43971), (172, 43935),

Gene: Sibs6_75 Start: 44007, Stop: 43492, Start Num: 93

Candidate Starts for Sibs6_75:

(28, 44181), (37, 44148), (Start: 67 @44064 has 2 MA's), (Start: 93 @44007 has 198 MA's), (Start: 108 @43965 has 5 MA's), (114, 43914), (115, 43905), (121, 43857), (137, 43755), (143, 43734), (149, 43692), (169, 43548), (176, 43506),

Gene: Skipitt_69 Start: 44165, Stop: 43653, Start Num: 85

Candidate Starts for Skipitt_69:

(Start: 85 @44165 has 137 MA's), (Start: 108 @44117 has 5 MA's), (114, 44066), (124, 43991), (127, 43967), (129, 43961), (131, 43955), (137, 43904), (143, 43883), (153, 43826), (157, 43787), (172, 43685),

Gene: Slagathor_76 Start: 47519, Stop: 47007, Start Num: 93

Candidate Starts for Slagathor_76:

(28, 47693), (37, 47660), (Start: 67 @47576 has 2 MA's), (Start: 93 @47519 has 198 MA's), (Start: 108 @47477 has 5 MA's), (114, 47426), (115, 47417), (121, 47369), (143, 47246), (149, 47204), (176, 47018),

Gene: Smeadley_84 Start: 45939, Stop: 45436, Start Num: 97

Candidate Starts for Smeadley_84:

(Start: 74 @45978 has 3 MA's), (Start: 97 @45939 has 9 MA's), (104, 45915), (110, 45891), (114, 45852), (123, 45780), (125, 45774), (127, 45753), (131, 45741), (143, 45672), (157, 45570), (169, 45486), (172, 45468), (174, 45456),

Gene: Smeagan_78 Start: 45993, Stop: 45418, Start Num: 78

Candidate Starts for Smeagan_78:

(Start: 56 @46035 has 4 MA's), (64, 46023), (Start: 72 @46005 has 33 MA's), (Start: 78 @45993 has 158 MA's), (114, 45876), (115, 45867), (121, 45819), (137, 45717), (153, 45630), (157, 45591), (166, 45528),

Gene: Smeagol_78 Start: 48727, Stop: 48215, Start Num: 93

Candidate Starts for Smeagol_78:

(28, 48901), (37, 48868), (Start: 67 @48784 has 2 MA's), (Start: 93 @48727 has 198 MA's), (Start: 108 @48685 has 5 MA's), (114, 48634), (115, 48625), (121, 48577), (143, 48454), (149, 48412), (176, 48226),

Gene: SmellyB_78 Start: 44178, Stop: 43663, Start Num: 78

Candidate Starts for SmellyB_78:

(Start: 72 @44190 has 33 MA's), (Start: 78 @44178 has 158 MA's), (114, 44091), (115, 44082), (121, 44034), (137, 43932), (143, 43911), (146, 43890), (153, 43848), (157, 43809),

Gene: SnapTap_75 Start: 45417, Stop: 44842, Start Num: 78

Candidate Starts for SnapTap_75:

(Start: 56 @45459 has 4 MA's), (64, 45447), (Start: 72 @45429 has 33 MA's), (Start: 78 @45417 has 158 MA's), (114, 45300), (115, 45291), (121, 45243), (137, 45141), (153, 45054), (157, 45015), (164, 44961), (166, 44952),

Gene: Snape_78 Start: 44889, Stop: 44338, Start Num: 78

Candidate Starts for Snape_78:

(Start: 59 @44931 has 1 MA's), (Start: 72 @44901 has 33 MA's), (Start: 78 @44889 has 158 MA's), (94, 44862), (114, 44772), (116, 44748), (121, 44715), (137, 44613), (143, 44589), (144, 44574), (149, 44547), (153, 44526), (157, 44487), (172, 44388), (179, 44355),

Gene: Snazzy_76 Start: 47170, Stop: 46655, Start Num: 93

Candidate Starts for Snazzy_76:

(28, 47344), (37, 47311), (Start: 67 @47227 has 2 MA's), (Start: 93 @47170 has 198 MA's), (Start: 108 @47128 has 5 MA's), (114, 47077), (115, 47068), (121, 47020), (137, 46918), (143, 46897), (149, 46855), (169, 46711), (176, 46669),

Gene: Snickers_75 Start: 44978, Stop: 44469, Start Num: 99

Candidate Starts for Snickers_75:

(Start: 99 @44978 has 68 MA's), (Start: 108 @44942 has 5 MA's), (114, 44891), (115, 44882), (124, 44816), (131, 44780), (137, 44732), (143, 44711), (152, 44651), (153, 44648), (154, 44645), (157, 44609), (164, 44546), (172, 44501),

Gene: SoYo_76 Start: 44920, Stop: 44411, Start Num: 99

Candidate Starts for SoYo_76:

(Start: 99 @44920 has 68 MA's), (Start: 108 @44884 has 5 MA's), (114, 44833), (115, 44824), (124, 44758), (131, 44722), (137, 44674), (143, 44653), (152, 44593), (153, 44590), (154, 44587), (157, 44551), (164, 44488), (172, 44443),

Gene: SoilDragon_78 Start: 44449, Stop: 43940, Start Num: 99

Candidate Starts for SoilDragon_78:

(Start: 99 @44449 has 68 MA's), (Start: 108 @44413 has 5 MA's), (114, 44362), (115, 44353), (124, 44287), (131, 44251), (137, 44203), (143, 44182), (152, 44122), (153, 44119), (157, 44080), (164, 44017), (172, 43972),

Gene: Solon_71 Start: 44805, Stop: 44293, Start Num: 93

Candidate Starts for Solon_71:

(28, 44979), (37, 44946), (Start: 67 @44862 has 2 MA's), (Start: 93 @44805 has 198 MA's), (Start: 108 @44763 has 5 MA's), (114, 44712), (115, 44703), (121, 44655), (127, 44613), (143, 44532), (149, 44490), (176, 44304),

Gene: SororFago_77 Start: 45812, Stop: 45285, Start Num: 78

Candidate Starts for SororFago_77:

(Start: 78 @45812 has 158 MA's), (114, 45710), (116, 45686), (117, 45677), (121, 45653), (137, 45551), (138, 45548), (143, 45530), (147, 45506), (152, 45470), (158, 45404), (160, 45392), (169, 45347), (172, 45329),

Gene: Sorpresa_74 Start: 46699, Stop: 46187, Start Num: 93

Candidate Starts for Sorpresa_74:

(28, 46873), (37, 46840), (Start: 67 @46756 has 2 MA's), (Start: 93 @46699 has 198 MA's), (Start: 108 @46657 has 5 MA's), (114, 46606), (115, 46597), (121, 46549), (143, 46426), (149, 46384), (176, 46198),

Gene: Soshari_81 Start: 45029, Stop: 44520, Start Num: 99

Candidate Starts for Soshari_81:

(Start: 99 @45029 has 68 MA's), (Start: 108 @44993 has 5 MA's), (114, 44942), (115, 44933), (124, 44867), (131, 44831), (137, 44783), (143, 44762), (152, 44702), (153, 44699), (154, 44696), (157, 44660), (164, 44597), (172, 44552),

Gene: Soul22_44 Start: 31554, Stop: 31018, Start Num: 73

Candidate Starts for Soul22_44:

(Start: 73 @31554 has 14 MA's), (Start: 108 @31488 has 5 MA's), (114, 31437), (115, 31428), (121, 31380), (127, 31338), (143, 31257), (149, 31215), (176, 31029),

Gene: Soups_83 Start: 45399, Stop: 44878, Start Num: 78

Candidate Starts for Soups_83:

(Start: 78 @45399 has 158 MA's), (107, 45354), (114, 45303), (115, 45294), (121, 45246), (137, 45144), (143, 45123), (159, 44985), (163, 44967), (166, 44955), (172, 44919),

Gene: Sparxx_71 Start: 44167, Stop: 43655, Start Num: 85

Candidate Starts for Sparxx_71:

(Start: 85 @44167 has 137 MA's), (Start: 108 @44119 has 5 MA's), (114, 44068), (124, 43993), (127, 43969), (129, 43963), (131, 43957), (137, 43906), (143, 43885), (153, 43828), (157, 43789), (172, 43687),

Gene: Spike509_79 Start: 45030, Stop: 44521, Start Num: 99

Candidate Starts for Spike509_79:

(Start: 99 @45030 has 68 MA's), (Start: 108 @44994 has 5 MA's), (114, 44943), (115, 44934), (124, 44868), (131, 44832), (137, 44784), (143, 44763), (152, 44703), (153, 44700), (154, 44697), (157, 44661), (164, 44598), (172, 44553),

Gene: SpikeBT_72 Start: 45627, Stop: 45115, Start Num: 93

Candidate Starts for SpikeBT_72:

(28, 45801), (37, 45768), (Start: 67 @45684 has 2 MA's), (Start: 93 @45627 has 198 MA's), (Start: 108 @45585 has 5 MA's), (114, 45534), (115, 45525), (121, 45477), (143, 45354), (149, 45312), (176, 45126),

Gene: Spino_69 Start: 44171, Stop: 43659, Start Num: 85

Candidate Starts for Spino_69:

(Start: 85 @44171 has 137 MA's), (Start: 108 @44123 has 5 MA's), (114, 44072), (124, 43997), (127, 43973), (129, 43967), (131, 43961), (137, 43910), (143, 43889), (153, 43832), (157, 43793), (172, 43691),

Gene: Spouty_75 Start: 44440, Stop: 43904, Start Num: 78

Candidate Starts for Spouty_75:

(Start: 72 @44452 has 33 MA's), (Start: 78 @44440 has 158 MA's), (114, 44344), (115, 44335), (116, 44320), (121, 44287), (143, 44164), (144, 44149), (145, 44146), (152, 44104), (153, 44101), (161, 44023), (166, 43993),

Gene: Squee_76 Start: 46243, Stop: 45731, Start Num: 93

Candidate Starts for Squee_76:

(28, 46417), (37, 46384), (Start: 67 @46300 has 2 MA's), (Start: 93 @46243 has 198 MA's), (Start: 108 @46201 has 5 MA's), (114, 46150), (115, 46141), (121, 46093), (143, 45970), (149, 45928), (176, 45742),

Gene: Squint_188 Start: 94539, Stop: 94027, Start Num: 93

Candidate Starts for Squint_188:

(8, 94830), (30, 94701), (46, 94644), (49, 94635), (Start: 79 @94563 has 1 MA's), (Start: 91 @94542 has 2 MA's), (Start: 93 @94539 has 198 MA's), (Start: 108 @94497 has 5 MA's), (114, 94446), (115, 94437), (121, 94389), (127, 94347), (143, 94266), (149, 94224), (176, 94038),

Gene: StAnnes_38 Start: 31732, Stop: 31220, Start Num: 93

Candidate Starts for StAnnes_38:

(Start: 93 @31732 has 198 MA's), (Start: 108 @31690 has 5 MA's), (114, 31639), (115, 31630), (121, 31582), (127, 31540), (143, 31459), (149, 31417), (176, 31231),

Gene: StCroix_57 Start: 40148, Stop: 39624, Start Num: 82

Candidate Starts for StCroix_57:

(Start: 82 @40148 has 23 MA's), (106, 40103), (110, 40085), (124, 39971), (131, 39935), (136, 39908), (137, 39887), (143, 39866), (144, 39851), (150, 39821), (151, 39818), (153, 39803), (164, 39707), (166, 39698), (177, 39641),

Gene: Stagni_76 Start: 45008, Stop: 44499, Start Num: 99

Candidate Starts for Stagni_76:

(Start: 76 @45044 has 3 MA's), (Start: 99 @45008 has 68 MA's), (Start: 108 @44972 has 5 MA's), (114, 44921), (115, 44912), (124, 44846), (131, 44810), (137, 44762), (143, 44741), (152, 44681), (153, 44678), (154, 44675), (157, 44639), (164, 44576), (172, 44531),

Gene: StarStuff_78 Start: 45880, Stop: 45335, Start Num: 78

Candidate Starts for StarStuff_78:

(Start: 72 @45892 has 33 MA's), (Start: 78 @45880 has 158 MA's), (114, 45763), (115, 45754), (116, 45739), (121, 45706), (137, 45604), (139, 45598), (143, 45580), (148, 45553), (149, 45538), (152, 45520), (157, 45478), (164, 45424), (169, 45397), (172, 45379),

Gene: Stasia_69 Start: 44365, Stop: 43862, Start Num: 98

Candidate Starts for Stasia_69:

(71, 44416), (75, 44407), (Start: 98 @44365 has 1 MA's), (114, 44275), (116, 44251), (127, 44176), (132, 44152), (137, 44113), (143, 44092), (157, 43996), (159, 43960), (166, 43930), (172, 43894),

Gene: Steamy_70 Start: 44186, Stop: 43647, Start Num: 78

Candidate Starts for Steamy_70:

(Start: 78 @44186 has 158 MA's), (116, 44054), (119, 44039), (121, 44021), (124, 44003), (137, 43919), (143, 43895), (154, 43829), (157, 43793), (172, 43694),

Gene: StepMih_78 Start: 44999, Stop: 44490, Start Num: 99

Candidate Starts for StepMih_78:

(Start: 76 @45035 has 3 MA's), (Start: 99 @44999 has 68 MA's), (Start: 108 @44963 has 5 MA's), (114, 44912), (115, 44903), (124, 44837), (131, 44801), (137, 44753), (143, 44732), (152, 44672), (153, 44669), (154, 44666), (157, 44630), (164, 44567), (172, 44522),

Gene: Stephig9_83 Start: 45878, Stop: 45375, Start Num: 97

Candidate Starts for Stephig9_83:

(Start: 74 @45917 has 3 MA's), (Start: 97 @45878 has 9 MA's), (104, 45854), (110, 45830), (114, 45791), (123, 45719), (125, 45713), (127, 45692), (131, 45680), (143, 45611), (157, 45509), (169,

45425), (172, 45407), (174, 45395),

Gene: Stink_69 Start: 44187, Stop: 43687, Start Num: 100

Candidate Starts for Stink_69:

(Start: 100 @44187 has 20 MA's), (114, 44100), (116, 44076), (121, 44043), (129, 43995), (131, 43989), (132, 43977), (137, 43938), (143, 43917), (157, 43821), (172, 43719),

Gene: StrongArm_71 Start: 46175, Stop: 45663, Start Num: 93

Candidate Starts for StrongArm_71:

(28, 46349), (37, 46316), (Start: 67 @46232 has 2 MA's), (Start: 93 @46175 has 198 MA's), (Start: 108 @46133 has 5 MA's), (114, 46082), (115, 46073), (121, 46025), (143, 45902), (149, 45860), (176, 45674),

Gene: Strosahl_84 Start: 45610, Stop: 45089, Start Num: 78

Candidate Starts for Strosahl_84:

(Start: 78 @45610 has 158 MA's), (107, 45565), (114, 45514), (115, 45505), (121, 45457), (137, 45355), (143, 45334), (159, 45196), (163, 45178), (166, 45166), (172, 45130),

Gene: Stubby_43 Start: 14678, Stop: 15190, Start Num: 93

Candidate Starts for Stubby_43:

(24, 14489), (Start: 83 @14666 has 3 MA's), (Start: 93 @14678 has 198 MA's), (Start: 108 @14720 has 5 MA's), (114, 14771), (115, 14780), (121, 14828), (143, 14951), (149, 14993), (176, 15179),

Gene: Sumter_72 Start: 47168, Stop: 46656, Start Num: 93

Candidate Starts for Sumter_72:

(28, 47342), (37, 47309), (Start: 67 @47225 has 2 MA's), (Start: 93 @47168 has 198 MA's), (Start: 108 @47126 has 5 MA's), (114, 47075), (115, 47066), (121, 47018), (143, 46895), (149, 46853), (169, 46709), (176, 46667),

Gene: Sunhee_77 Start: 43894, Stop: 43367, Start Num: 78

Candidate Starts for Sunhee_77:

(Start: 72 @43906 has 33 MA's), (Start: 78 @43894 has 158 MA's), (110, 43831), (114, 43792), (116, 43768), (117, 43759), (121, 43735), (124, 43717), (137, 43633), (143, 43612), (147, 43588), (158, 43486), (166, 43447), (175, 43393),

Gene: Sunshine924_76 Start: 45690, Stop: 45178, Start Num: 93

Candidate Starts for Sunshine924_76:

(28, 45864), (37, 45831), (Start: 67 @45747 has 2 MA's), (Start: 93 @45690 has 198 MA's), (Start: 108 @45648 has 5 MA's), (114, 45597), (115, 45588), (121, 45540), (143, 45417), (149, 45375), (176, 45189),

Gene: SuperAwesome_78 Start: 44868, Stop: 44341, Start Num: 72

Candidate Starts for SuperAwesome_78:

(Start: 72 @44868 has 33 MA's), (Start: 78 @44856 has 158 MA's), (114, 44769), (115, 44760), (121, 44712), (137, 44610), (143, 44589), (146, 44568), (153, 44526), (157, 44487),

Gene: SuperCallie99_75 Start: 44700, Stop: 44185, Start Num: 78

Candidate Starts for SuperCallie99_75:

(Start: 72 @44712 has 33 MA's), (Start: 78 @44700 has 158 MA's), (114, 44613), (115, 44604), (121, 44556), (137, 44454), (143, 44433), (146, 44412), (153, 44370), (157, 44331),

Gene: Superchunk_78 Start: 45042, Stop: 44494, Start Num: 78

Candidate Starts for Superchunk_78:

(Start: 72 @45054 has 33 MA's), (Start: 78 @45042 has 158 MA's), (Start: 81 @45030 has 1 MA's), (114, 44925), (115, 44916), (121, 44868), (124, 44850), (137, 44766), (143, 44742), (149, 44700), (153, 44679), (157, 44640), (172, 44538),

Gene: Superphikiman_191 Start: 94406, Stop: 93894, Start Num: 93

Candidate Starts for Superphikiman_191:

(8, 94697), (30, 94568), (46, 94511), (49, 94502), (Start: 79 @94430 has 1 MA's), (Start: 91 @94409 has 2 MA's), (Start: 93 @94406 has 198 MA's), (Start: 108 @94364 has 5 MA's), (114, 94313), (115, 94304), (121, 94256), (127, 94214), (143, 94133), (149, 94091), (176, 93905),

Gene: SweetiePie_75 Start: 45549, Stop: 44974, Start Num: 78

Candidate Starts for SweetiePie_75:

(Start: 56 @45591 has 4 MA's), (64, 45579), (Start: 72 @45561 has 33 MA's), (Start: 78 @45549 has 158 MA's), (114, 45432), (115, 45423), (121, 45375), (137, 45273), (153, 45186), (157, 45147), (166, 45084),

Gene: SwissCheese_79 Start: 46690, Stop: 46178, Start Num: 93

Candidate Starts for SwissCheese_79:

(28, 46864), (33, 46846), (37, 46831), (Start: 67 @46747 has 2 MA's), (Start: 93 @46690 has 198 MA's), (Start: 108 @46648 has 5 MA's), (114, 46597), (115, 46588), (121, 46540), (143, 46417), (149, 46375), (176, 46189),

Gene: Swole_73 Start: 46449, Stop: 45937, Start Num: 93

Candidate Starts for Swole_73:

(28, 46623), (37, 46590), (Start: 67 @46506 has 2 MA's), (Start: 93 @46449 has 198 MA's), (Start: 108 @46407 has 5 MA's), (114, 46356), (115, 46347), (121, 46299), (137, 46197), (143, 46176), (149, 46134), (169, 45990), (176, 45948),

Gene: TNguyen7_74 Start: 44652, Stop: 44140, Start Num: 85

Candidate Starts for TNguyen7_74:

(Start: 61 @44703 has 9 MA's), (80, 44661), (Start: 85 @44652 has 137 MA's), (Start: 90 @44646 has 3 MA's), (114, 44553), (124, 44478), (125, 44475), (127, 44454), (129, 44448), (132, 44430), (137, 44391), (141, 44376), (143, 44370), (157, 44274), (164, 44217), (172, 44172),

Gene: TWAMP_58 Start: 40126, Stop: 39602, Start Num: 82

Candidate Starts for TWAMP_58:

(Start: 82 @40126 has 23 MA's), (106, 40081), (110, 40063), (124, 39949), (131, 39913), (136, 39886), (137, 39865), (143, 39844), (144, 39829), (150, 39799), (151, 39796), (153, 39781), (164, 39685), (166, 39676), (177, 39619),

Gene: Taquarus_69 Start: 44174, Stop: 43662, Start Num: 85

Candidate Starts for Taquarus_69:

(Start: 85 @44174 has 137 MA's), (Start: 108 @44126 has 5 MA's), (114, 44075), (124, 44000), (127, 43976), (129, 43970), (131, 43964), (137, 43913), (143, 43892), (153, 43835), (157, 43796), (172, 43694),

Gene: Taquito_84 Start: 52547, Stop: 53173, Start Num: 40

Candidate Starts for Taquito_84:

(Start: 40 @52547 has 1 MA's), (48, 52583), (Start: 87 @52667 has 1 MA's), (Start: 108 @52712 has 5 MA's), (115, 52772), (116, 52787), (124, 52838), (144, 52961), (147, 52970), (155, 53030), (157, 53048), (164, 53105),

Gene: Target_75 Start: 45267, Stop: 44755, Start Num: 93

Candidate Starts for Target_75:

(28, 45441), (37, 45408), (Start: 67 @45324 has 2 MA's), (Start: 93 @45267 has 198 MA's), (Start: 108 @45225 has 5 MA's), (114, 45174), (115, 45165), (121, 45117), (143, 44994), (149, 44952), (176, 44766),

Gene: TarsusIV_73 Start: 45469, Stop: 44888, Start Num: 72

Candidate Starts for TarsusIV_73:

(Start: 72 @45469 has 33 MA's), (Start: 78 @45457 has 158 MA's), (94, 45430), (96, 45427), (114, 45340), (115, 45331), (121, 45283), (137, 45181), (157, 45055), (180, 44893),

Gene: Tasp14_74 Start: 46737, Stop: 46225, Start Num: 93

Candidate Starts for Tasp14_74:

(28, 46911), (37, 46878), (Start: 67 @46794 has 2 MA's), (Start: 93 @46737 has 198 MA's), (Start: 108 @46695 has 5 MA's), (114, 46644), (115, 46635), (121, 46587), (143, 46464), (149, 46422), (176, 46236),

Gene: Taurus_80 Start: 45008, Stop: 44499, Start Num: 99

Candidate Starts for Taurus_80:

(Start: 99 @45008 has 68 MA's), (Start: 108 @44972 has 5 MA's), (114, 44921), (115, 44912), (124, 44846), (131, 44810), (137, 44762), (143, 44741), (152, 44681), (153, 44678), (154, 44675), (157, 44639), (164, 44576), (172, 44531),

Gene: Teodoridan_72 Start: 44574, Stop: 44062, Start Num: 93

Candidate Starts for Teodoridan_72:

(28, 44748), (37, 44715), (53, 44652), (Start: 67 @44631 has 2 MA's), (Start: 93 @44574 has 198 MA's), (Start: 108 @44532 has 5 MA's), (114, 44481), (115, 44472), (121, 44424), (143, 44301), (149, 44259), (176, 44073),

Gene: Texage_71 Start: 44648, Stop: 44139, Start Num: 85

Candidate Starts for Texage_71:

(Start: 85 @44648 has 137 MA's), (110, 44591), (114, 44552), (115, 44543), (123, 44480), (124, 44477), (129, 44447), (132, 44429), (137, 44390), (143, 44369), (157, 44273), (164, 44216), (172, 44171),

Gene: Thanksgivukkah_69 Start: 44169, Stop: 43657, Start Num: 85

Candidate Starts for Thanksgivukkah_69:

(Start: 85 @44169 has 137 MA's), (Start: 108 @44121 has 5 MA's), (114, 44070), (124, 43995), (127, 43971), (129, 43965), (131, 43959), (137, 43908), (143, 43887), (153, 43830), (157, 43791), (172, 43689),

Gene: TheloniousMonk_77 Start: 47959, Stop: 47447, Start Num: 93

Candidate Starts for TheloniousMonk_77:

(28, 48133), (37, 48100), (Start: 67 @48016 has 2 MA's), (Start: 93 @47959 has 198 MA's), (Start: 108 @47917 has 5 MA's), (114, 47866), (115, 47857), (121, 47809), (143, 47686), (149, 47644), (176, 47458),

Gene: Tiffany_78 Start: 44893, Stop: 44384, Start Num: 99

Candidate Starts for Tiffany_78:

(Start: 99 @44893 has 68 MA's), (Start: 108 @44857 has 5 MA's), (114, 44806), (115, 44797), (124, 44731), (131, 44695), (137, 44647), (143, 44626), (152, 44566), (153, 44563), (154, 44560), (157, 44524), (164, 44461), (172, 44416),

Gene: Timothy_78 Start: 44866, Stop: 44315, Start Num: 78

Candidate Starts for Timothy_78:

(Start: 59 @44908 has 1 MA's), (Start: 72 @44878 has 33 MA's), (Start: 78 @44866 has 158 MA's), (94, 44839), (114, 44749), (116, 44725), (121, 44692), (137, 44590), (143, 44566), (144, 44551), (149, 44524), (153, 44503), (157, 44464), (172, 44365), (179, 44332),

Gene: Timshel_71 Start: 47187, Stop: 46681, Start Num: 84

Candidate Starts for Timshel_71:

(50, 47265), (51, 47256), (54, 47250), (Start: 84 @47187 has 3 MA's), (109, 47139), (125, 47013), (127, 46992), (131, 46980), (137, 46932), (143, 46911), (147, 46887), (153, 46854), (157, 46815), (164, 46758), (166, 46749), (169, 46731), (172, 46713),

Gene: TinaFeyge_68 Start: 44166, Stop: 43654, Start Num: 85

Candidate Starts for TinaFeyge_68:

(Start: 85 @44166 has 137 MA's), (Start: 108 @44118 has 5 MA's), (114, 44067), (124, 43992), (127, 43968), (129, 43962), (131, 43956), (137, 43905), (143, 43884), (153, 43827), (157, 43788), (163, 43734), (172, 43686),

Gene: Tinybot_69 Start: 44198, Stop: 43686, Start Num: 85

Candidate Starts for Tinybot_69:

(Start: 85 @44198 has 137 MA's), (Start: 108 @44150 has 5 MA's), (114, 44099), (124, 44024), (127, 44000), (129, 43994), (131, 43988), (137, 43937), (143, 43916), (153, 43859), (157, 43820), (172, 43718),

Gene: TipsytheTRex_75 Start: 45020, Stop: 44469, Start Num: 78

Candidate Starts for TipsytheTRex_75:

(Start: 72 @45032 has 33 MA's), (Start: 78 @45020 has 158 MA's), (96, 44993), (115, 44894), (116, 44879), (121, 44846), (137, 44744), (139, 44738), (143, 44720), (148, 44693), (149, 44678), (153, 44657), (157, 44618), (166, 44555),

Gene: TiroTheta9_69 Start: 44165, Stop: 43653, Start Num: 85

Candidate Starts for TiroTheta9_69:

(Start: 85 @44165 has 137 MA's), (Start: 108 @44117 has 5 MA's), (114, 44066), (124, 43991), (127, 43967), (129, 43961), (131, 43955), (137, 43904), (143, 43883), (153, 43826), (157, 43787), (163, 43733), (172, 43685),

Gene: Toaka_77 Start: 44975, Stop: 44433, Start Num: 78

Candidate Starts for Toaka_77:

(Start: 72 @44987 has 33 MA's), (Start: 78 @44975 has 158 MA's), (Start: 103 @44936 has 1 MA's), (114, 44873), (116, 44849), (121, 44816), (143, 44693), (152, 44633), (153, 44630), (157, 44591), (166, 44522),

Gene: Todacoro_73 Start: 44647, Stop: 44138, Start Num: 85

Candidate Starts for Todacoro_73:

(Start: 85 @44647 has 137 MA's), (110, 44590), (114, 44551), (115, 44542), (123, 44479), (124, 44476), (129, 44446), (132, 44428), (137, 44389), (143, 44368), (157, 44272), (164, 44215), (172, 44170),

Gene: Tomathan_78 Start: 45990, Stop: 45445, Start Num: 78

Candidate Starts for Tomathan_78:

(Start: 72 @46002 has 33 MA's), (Start: 78 @45990 has 158 MA's), (114, 45873), (115, 45864), (116, 45849), (121, 45816), (137, 45714), (139, 45708), (143, 45690), (148, 45663), (149, 45648), (150, 45645), (152, 45630), (157, 45588), (164, 45534), (169, 45507), (172, 45489),

Gene: ToneTone_75 Start: 43901, Stop: 43386, Start Num: 78

Candidate Starts for ToneTone_75:

(Start: 61 @43937 has 9 MA's), (Start: 72 @43913 has 33 MA's), (Start: 78 @43901 has 158 MA's), (Start: 103 @43877 has 1 MA's), (114, 43814), (121, 43757), (137, 43655), (143, 43634), (153, 43571), (157, 43532), (164, 43478), (166, 43469), (178, 43406),

Gene: Topgun_71 Start: 44911, Stop: 44399, Start Num: 93

Candidate Starts for Topgun_71:

(28, 45085), (37, 45052), (Start: 67 @44968 has 2 MA's), (Start: 93 @44911 has 198 MA's), (Start: 108 @44869 has 5 MA's), (114, 44818), (115, 44809), (121, 44761), (127, 44719), (143, 44638), (149, 44596), (176, 44410),

Gene: Toro_73 Start: 48186, Stop: 47677, Start Num: 85

Candidate Starts for Toro_73:

(77, 48204), (Start: 85 @48186 has 137 MA's), (114, 48087), (121, 48030), (123, 48015), (124, 48012), (125, 48009), (127, 47988), (131, 47976), (143, 47907), (153, 47850), (164, 47754), (172, 47709),

Gene: Tote_71 Start: 43674, Stop: 43204, Start Num: 108

Candidate Starts for Tote_71:

(Start: 108 @43674 has 5 MA's), (114, 43623), (115, 43614), (121, 43566), (137, 43464), (143, 43443), (149, 43401), (169, 43257), (176, 43215),

Gene: Traft412_75 Start: 46992, Stop: 46480, Start Num: 93

Candidate Starts for Traft412_75:

(28, 47166), (37, 47133), (Start: 67 @47049 has 2 MA's), (Start: 93 @46992 has 198 MA's), (Start: 108 @46950 has 5 MA's), (114, 46899), (115, 46890), (121, 46842), (127, 46800), (143, 46719), (149, 46677), (176, 46491),

Gene: Travvers_77 Start: 45877, Stop: 45332, Start Num: 78

Candidate Starts for Travvers_77:

(Start: 72 @45889 has 33 MA's), (Start: 78 @45877 has 158 MA's), (114, 45760), (116, 45736), (121, 45703), (137, 45601), (139, 45595), (143, 45577), (148, 45550), (149, 45535), (152, 45517), (157, 45475), (164, 45421), (169, 45394), (172, 45376),

Gene: Treddle_77 Start: 47722, Stop: 47210, Start Num: 93

Candidate Starts for Treddle_77:

(28, 47896), (37, 47863), (Start: 67 @47779 has 2 MA's), (Start: 93 @47722 has 198 MA's), (Start: 108 @47680 has 5 MA's), (114, 47629), (115, 47620), (121, 47572), (137, 47470), (143, 47449), (149, 47407), (169, 47263), (176, 47221),

Gene: Tripl3t_78 Start: 49274, Stop: 48762, Start Num: 93

Candidate Starts for Tripl3t_78:

(28, 49448), (37, 49415), (Start: 67 @49331 has 2 MA's), (Start: 93 @49274 has 198 MA's), (Start: 108 @49232 has 5 MA's), (114, 49181), (115, 49172), (121, 49124), (143, 49001), (149, 48959), (176, 48773),

Gene: Trixie_75 Start: 46174, Stop: 45596, Start Num: 78

Candidate Starts for Trixie_75:

(12, 46402), (13, 46396), (32, 46303), (Start: 56 @46216 has 4 MA's), (Start: 72 @46186 has 33 MA's), (Start: 78 @46174 has 158 MA's), (114, 46057), (118, 46021), (121, 46000), (137, 45898), (140, 45889), (150, 45829), (152, 45814), (153, 45811), (157, 45772),

Gene: Trooper_75 Start: 45436, Stop: 44858, Start Num: 78

Candidate Starts for Trooper_75:

(Start: 72 @45448 has 33 MA's), (Start: 78 @45436 has 158 MA's), (94, 45409), (114, 45319), (115, 45310), (121, 45262), (124, 45244), (137, 45160), (150, 45091), (153, 45073), (157, 45034), (166, 44971), (172, 44908),

Gene: TroyPia_71 Start: 44205, Stop: 43693, Start Num: 85

Candidate Starts for TroyPia_71:

(Start: 85 @44205 has 137 MA's), (Start: 108 @44157 has 5 MA's), (114, 44106), (124, 44031), (127, 44007), (131, 43995), (137, 43944), (143, 43923), (153, 43866), (163, 43773), (172, 43725),

Gene: Tubs_77 Start: 44644, Stop: 44108, Start Num: 78

Candidate Starts for Tubs_77:

(Start: 72 @44656 has 33 MA's), (Start: 78 @44644 has 158 MA's), (114, 44548), (115, 44539), (116, 44524), (121, 44491), (143, 44368), (144, 44353), (145, 44350), (152, 44308), (153, 44305), (161, 44227), (172, 44158),

Gene: Tucker_78 Start: 44104, Stop: 43589, Start Num: 78

Candidate Starts for Tucker_78:

(Start: 61 @44140 has 9 MA's), (Start: 72 @44116 has 33 MA's), (Start: 78 @44104 has 158 MA's), (Start: 103 @44080 has 1 MA's), (114, 44017), (121, 43960), (137, 43858), (143, 43837), (153, 43774), (157, 43735), (164, 43681), (166, 43672), (178, 43609),

Gene: Turbido_76 Start: 45726, Stop: 45139, Start Num: 72

Candidate Starts for Turbido_76:

(7, 45978), (14, 45930), (19, 45918), (Start: 56 @45756 has 4 MA's), (64, 45744), (Start: 72 @45726 has 33 MA's), (Start: 78 @45714 has 158 MA's), (114, 45597), (115, 45588), (121, 45540), (137, 45438), (153, 45351), (157, 45312), (166, 45249),

Gene: Twister_69 Start: 43997, Stop: 43491, Start Num: 86

Candidate Starts for Twister_69:

(Start: 58 @44060 has 1 MA's), (66, 44045), (Start: 86 @43997 has 10 MA's), (Start: 88 @43994 has 5 MA's), (114, 43901), (116, 43877), (121, 43844), (124, 43826), (127, 43802), (137, 43742), (143, 43721), (153, 43664), (157, 43625), (159, 43589), (172, 43523), (176, 43502),

Gene: TwoPeat_75 Start: 46254, Stop: 45739, Start Num: 93

Candidate Starts for TwoPeat_75:

(28, 46428), (37, 46395), (Start: 67 @46311 has 2 MA's), (Start: 93 @46254 has 198 MA's), (Start: 108 @46212 has 5 MA's), (114, 46161), (115, 46152), (121, 46104), (137, 46002), (143, 45981), (149, 45939), (169, 45795), (176, 45753),

Gene: TygerBlood_70 Start: 44171, Stop: 43659, Start Num: 85

Candidate Starts for TygerBlood_70:

(Start: 85 @44171 has 137 MA's), (Start: 108 @44123 has 5 MA's), (114, 44072), (124, 43997), (127, 43973), (129, 43967), (131, 43961), (137, 43910), (143, 43889), (153, 43832), (157, 43793), (163, 43739), (172, 43691),

Gene: U2_69 Start: 46491, Stop: 45979, Start Num: 93

Candidate Starts for U2_69:

(28, 46665), (37, 46632), (Start: 67 @46548 has 2 MA's), (Start: 93 @46491 has 198 MA's), (Start: 108 @46449 has 5 MA's), (114, 46398), (115, 46389), (121, 46341), (143, 46218), (149, 46176), (176, 45990),

Gene: Ulysses_69 Start: 43854, Stop: 43342, Start Num: 85

Candidate Starts for Ulysses_69:

(Start: 85 @43854 has 137 MA's), (Start: 108 @43806 has 5 MA's), (114, 43755), (124, 43680), (127, 43656), (129, 43650), (131, 43644), (137, 43593), (143, 43572), (153, 43515), (157, 43476), (172, 43374),

Gene: UnionJack_73 Start: 43877, Stop: 43347, Start Num: 85

Candidate Starts for UnionJack_73:

(Start: 85 @43877 has 137 MA's), (125, 43685), (128, 43661), (135, 43625), (136, 43622), (137, 43601), (143, 43580), (163, 43427), (165, 43421), (171, 43382),

Gene: Updawg_76 Start: 45271, Stop: 44696, Start Num: 78

Candidate Starts for Updawg_76:

(11, 45496), (18, 45475), (29, 45406), (Start: 56 @45313 has 4 MA's), (64, 45301), (Start: 72 @45283 has 33 MA's), (Start: 78 @45271 has 158 MA's), (114, 45154), (115, 45145), (118, 45118), (121, 45097), (137, 44995), (149, 44929), (153, 44908), (157, 44869), (166, 44806),

Gene: VA6_75 Start: 45463, Stop: 44891, Start Num: 78

Candidate Starts for VA6_75:

(Start: 78 @45463 has 158 MA's), (Start: 103 @45409 has 1 MA's), (114, 45346), (115, 45337), (121, 45289), (124, 45271), (126, 45262), (137, 45187), (140, 45178), (153, 45100), (157, 45061), (173, 44932), (174, 44923),

Gene: Vanisoa_74 Start: 45312, Stop: 44782, Start Num: 78

Candidate Starts for Vanisoa_74:

(Start: 78 @45312 has 158 MA's), (114, 45216), (116, 45192), (121, 45159), (143, 45036), (145, 45018), (152, 44976), (153, 44973), (162, 44892), (163, 44877), (164, 44874), (166, 44865),

Gene: Violet_70 Start: 46886, Stop: 46374, Start Num: 93

Candidate Starts for Violet_70:

(28, 47060), (37, 47027), (Start: 67 @46943 has 2 MA's), (Start: 93 @46886 has 198 MA's), (Start: 108 @46844 has 5 MA's), (114, 46793), (115, 46784), (121, 46736), (143, 46613), (149, 46571), (176, 46385),

Gene: Vix_75 Start: 45088, Stop: 44579, Start Num: 99

Candidate Starts for Vix_75:

(Start: 99 @45088 has 68 MA's), (Start: 108 @45052 has 5 MA's), (114, 45001), (115, 44992), (124, 44926), (131, 44890), (137, 44842), (143, 44821), (152, 44761), (153, 44758), (154, 44755), (157, 44719), (164, 44656), (172, 44611),

Gene: VohminGhazi_78 Start: 44179, Stop: 43664, Start Num: 78

Candidate Starts for VohminGhazi_78:

(Start: 72 @44191 has 33 MA's), (Start: 78 @44179 has 158 MA's), (114, 44092), (115, 44083), (121, 44035), (137, 43933), (143, 43912), (146, 43891), (153, 43849), (157, 43810),

Gene: Waits_83 Start: 45510, Stop: 44989, Start Num: 78

Candidate Starts for Waits_83:

(Start: 78 @45510 has 158 MA's), (107, 45465), (114, 45414), (115, 45405), (121, 45357), (137, 45255), (143, 45234), (159, 45096), (163, 45078), (166, 45066), (172, 45030),

Gene: WalterMcMickey_69 Start: 43994, Stop: 43491, Start Num: 88

Candidate Starts for WalterMcMickey_69:

(Start: 58 @44060 has 1 MA's), (66, 44045), (Start: 86 @43997 has 10 MA's), (Start: 88 @43994 has 5 MA's), (114, 43901), (116, 43877), (121, 43844), (124, 43826), (127, 43802), (137, 43742), (143, 43721), (153, 43664), (157, 43625), (159, 43589), (172, 43523), (176, 43502),

Gene: Wander_70 Start: 44165, Stop: 43653, Start Num: 85

Candidate Starts for Wander_70:

(Start: 85 @44165 has 137 MA's), (Start: 108 @44117 has 5 MA's), (114, 44066), (124, 43991), (127, 43967), (129, 43961), (131, 43955), (137, 43904), (143, 43883), (153, 43826), (157, 43787), (172, 43685),

Gene: Watermelon_78 Start: 47796, Stop: 47284, Start Num: 93

Candidate Starts for Watermelon_78:

(28, 47970), (37, 47937), (Start: 67 @47853 has 2 MA's), (Start: 93 @47796 has 198 MA's), (Start: 108 @47754 has 5 MA's), (114, 47703), (115, 47694), (121, 47646), (143, 47523), (149, 47481), (176, 47295),

Gene: Watson_78 Start: 44997, Stop: 44488, Start Num: 99

Candidate Starts for Watson_78:

(Start: 76 @45033 has 3 MA's), (Start: 99 @44997 has 68 MA's), (Start: 108 @44961 has 5 MA's), (114, 44910), (115, 44901), (124, 44835), (131, 44799), (137, 44751), (143, 44730), (152, 44670), (153, 44667), (154, 44664), (157, 44628), (164, 44565), (172, 44520),

Gene: WeiHuaDA_76 Start: 46220, Stop: 45651, Start Num: 78

Candidate Starts for WeiHuaDA_76:

(Start: 72 @46232 has 33 MA's), (Start: 78 @46220 has 158 MA's), (Start: 103 @46166 has 1 MA's), (114, 46103), (116, 46079), (121, 46046), (124, 46028), (137, 45944), (140, 45935), (153, 45857), (157, 45818), (170, 45713),

Gene: Whabigail7_76 Start: 45712, Stop: 45137, Start Num: 78

Candidate Starts for Whabigail7_76:

(Start: 56 @45754 has 4 MA's), (64, 45742), (Start: 72 @45724 has 33 MA's), (Start: 78 @45712 has 158 MA's), (114, 45595), (115, 45586), (121, 45538), (137, 45436), (153, 45349), (157, 45310), (166, 45247),

Gene: Wheeler_79 Start: 47915, Stop: 47403, Start Num: 93

Candidate Starts for Wheeler_79:

(9, 48194), (28, 48089), (37, 48056), (Start: 67 @47972 has 2 MA's), (Start: 93 @47915 has 198 MA's), (Start: 108 @47873 has 5 MA's), (114, 47822), (115, 47813), (121, 47765), (143, 47642), (149, 47600), (176, 47414),

Gene: WideWale_76 Start: 45271, Stop: 44696, Start Num: 78

Candidate Starts for WideWale_76:

(11, 45496), (18, 45475), (29, 45406), (Start: 56 @45313 has 4 MA's), (64, 45301), (Start: 72 @45283 has 33 MA's), (Start: 78 @45271 has 158 MA's), (114, 45154), (115, 45145), (118, 45118), (121, 45097), (137, 44995), (149, 44929), (153, 44908), (157, 44869), (166, 44806),

Gene: Wiks_77 Start: 43972, Stop: 43457, Start Num: 78

Candidate Starts for Wiks_77:

(Start: 61 @44008 has 9 MA's), (Start: 72 @43984 has 33 MA's), (Start: 78 @43972 has 158 MA's), (Start: 103 @43948 has 1 MA's), (114, 43885), (121, 43828), (137, 43726), (143, 43705), (153, 43642), (157, 43603), (164, 43549), (166, 43540), (178, 43477),

Gene: Wilbur_70 Start: 44168, Stop: 43656, Start Num: 85

Candidate Starts for Wilbur_70:

(Start: 85 @44168 has 137 MA's), (Start: 108 @44120 has 5 MA's), (114, 44069), (124, 43994), (127, 43970), (129, 43964), (131, 43958), (137, 43907), (143, 43886), (153, 43829), (157, 43790), (172, 43688),

Gene: Wile_68 Start: 44382, Stop: 43882, Start Num: 100

Candidate Starts for Wile_68:

(Start: 100 @44382 has 20 MA's), (114, 44295), (116, 44271), (129, 44190), (131, 44184), (132, 44172), (137, 44133), (141, 44118), (143, 44112), (157, 44016), (166, 43950), (172, 43914),

Gene: Wilkins_72 Start: 44841, Stop: 44329, Start Num: 93

Candidate Starts for Wilkins_72:

(28, 45015), (37, 44982), (Start: 67 @44898 has 2 MA's), (Start: 93 @44841 has 198 MA's), (Start: 108 @44799 has 5 MA's), (114, 44748), (115, 44739), (121, 44691), (127, 44649), (143, 44568), (149, 44526), (176, 44340),

Gene: Wizard007_69 Start: 44108, Stop: 43608, Start Num: 100

Candidate Starts for Wizard007_69:

(Start: 100 @44108 has 20 MA's), (114, 44021), (116, 43997), (129, 43916), (131, 43910), (132, 43898), (137, 43859), (141, 43844), (143, 43838), (157, 43742), (166, 43676), (172, 43640),

Gene: Wooldri_81 Start: 44914, Stop: 44405, Start Num: 99

Candidate Starts for Wooldri_81:

(Start: 99 @44914 has 68 MA's), (Start: 108 @44878 has 5 MA's), (114, 44827), (115, 44818), (124, 44752), (131, 44716), (137, 44668), (143, 44647), (152, 44587), (153, 44584), (154, 44581), (157, 44545), (164, 44482), (172, 44437),

Gene: XFactor_38 Start: 31358, Stop: 30822, Start Num: 73

Candidate Starts for XFactor_38:

(Start: 73 @31358 has 14 MA's), (Start: 108 @31292 has 5 MA's), (114, 31241), (115, 31232), (121, 31184), (127, 31142), (143, 31061), (149, 31019), (176, 30833),

Gene: Xena_68 Start: 44349, Stop: 43849, Start Num: 100

Candidate Starts for Xena_68:

(Start: 100 @44349 has 20 MA's), (114, 44262), (116, 44238), (129, 44157), (131, 44151), (132, 44139), (137, 44100), (141, 44085), (143, 44079), (157, 43983), (166, 43917), (172, 43881),

Gene: XianYue_71 Start: 45222, Stop: 44638, Start Num: 72

Candidate Starts for XianYue_71:

(Start: 72 @45222 has 33 MA's), (Start: 78 @45210 has 158 MA's), (114, 45093), (115, 45084), (121, 45036), (126, 45009), (137, 44934), (149, 44868), (153, 44847), (157, 44808), (166, 44745), (170, 44703),

Gene: Yassified_45 Start: 14688, Stop: 15200, Start Num: 93

Candidate Starts for Yassified_45:

(24, 14499), (Start: 83 @14676 has 3 MA's), (Start: 93 @14688 has 198 MA's), (Start: 108 @14730 has 5 MA's), (114, 14781), (115, 14790), (121, 14838), (127, 14880), (143, 14961), (149, 15003), (176, 15189),

Gene: Yecey3_79 Start: 44745, Stop: 44215, Start Num: 78

Candidate Starts for Yecey3_79:

(Start: 72 @44757 has 33 MA's), (Start: 78 @44745 has 158 MA's), (107, 44700), (114, 44649), (115, 44640), (121, 44592), (137, 44490), (143, 44466), (152, 44406), (153, 44403), (157, 44364), (159,

44331), (160, 44328), (166, 44301), (170, 44277),

Gene: YoSam321_70 Start: 44166, Stop: 43654, Start Num: 85

Candidate Starts for YoSam321_70:

(Start: 85 @44166 has 137 MA's), (Start: 108 @44118 has 5 MA's), (114, 44067), (124, 43992), (127, 43968), (129, 43962), (131, 43956), (137, 43905), (143, 43884), (153, 43827), (157, 43788), (172, 43686),

Gene: Yokurt_77 Start: 43972, Stop: 43457, Start Num: 78

Candidate Starts for Yokurt_77:

(Start: 61 @44008 has 9 MA's), (Start: 72 @43984 has 33 MA's), (Start: 78 @43972 has 158 MA's), (Start: 103 @43948 has 1 MA's), (114, 43885), (121, 43828), (137, 43726), (143, 43705), (153, 43642), (157, 43603), (164, 43549), (166, 43540), (178, 43477),

Gene: Yoncess_57 Start: 39880, Stop: 39356, Start Num: 82

Candidate Starts for Yoncess_57:

(Start: 82 @39880 has 23 MA's), (106, 39835), (110, 39817), (124, 39703), (125, 39700), (131, 39667), (136, 39640), (137, 39619), (143, 39598), (151, 39550), (164, 39439), (166, 39430), (177, 39373),

Gene: Zaka_78 Start: 44008, Stop: 43457, Start Num: 61

Candidate Starts for Zaka_78:

(Start: 61 @44008 has 9 MA's), (Start: 72 @43984 has 33 MA's), (Start: 78 @43972 has 158 MA's), (Start: 103 @43948 has 1 MA's), (114, 43885), (121, 43828), (137, 43726), (143, 43705), (153, 43642), (157, 43603), (164, 43549), (166, 43540), (178, 43477),

Gene: Zeeculate_71 Start: 46614, Stop: 46102, Start Num: 93

Candidate Starts for Zeeculate_71:

(28, 46788), (37, 46755), (Start: 67 @46671 has 2 MA's), (Start: 93 @46614 has 198 MA's), (Start: 108 @46572 has 5 MA's), (114, 46521), (115, 46512), (121, 46464), (136, 46383), (143, 46341), (149, 46299), (176, 46113),

Gene: Zephyr_77 Start: 46886, Stop: 46374, Start Num: 93

Candidate Starts for Zephyr_77:

(28, 47060), (37, 47027), (53, 46964), (Start: 67 @46943 has 2 MA's), (Start: 93 @46886 has 198 MA's), (Start: 108 @46844 has 5 MA's), (114, 46793), (115, 46784), (121, 46736), (143, 46613), (149, 46571), (176, 46385),

Gene: Zeuska_77 Start: 47851, Stop: 47339, Start Num: 93

Candidate Starts for Zeuska_77:

(28, 48025), (37, 47992), (Start: 67 @47908 has 2 MA's), (Start: 93 @47851 has 198 MA's), (Start: 108 @47809 has 5 MA's), (114, 47758), (115, 47749), (121, 47701), (143, 47578), (149, 47536), (176, 47350),

Gene: Zimmer_74 Start: 45769, Stop: 45221, Start Num: 70

Candidate Starts for Zimmer_74:

(Start: 70 @45769 has 1 MA's), (114, 45652), (115, 45643), (121, 45595), (124, 45577), (137, 45493), (143, 45469), (153, 45406), (166, 45304), (172, 45268),

Gene: Zulu_79 Start: 44386, Stop: 43835, Start Num: 61

Candidate Starts for Zulu_79:

(Start: 61 @44386 has 9 MA's), (Start: 72 @44362 has 33 MA's), (Start: 78 @44350 has 158 MA's), (Start: 103 @44326 has 1 MA's), (114, 44263), (121, 44206), (137, 44104), (143, 44083), (153,

44020), (157, 43981), (164, 43927), (166, 43918), (178, 43855),