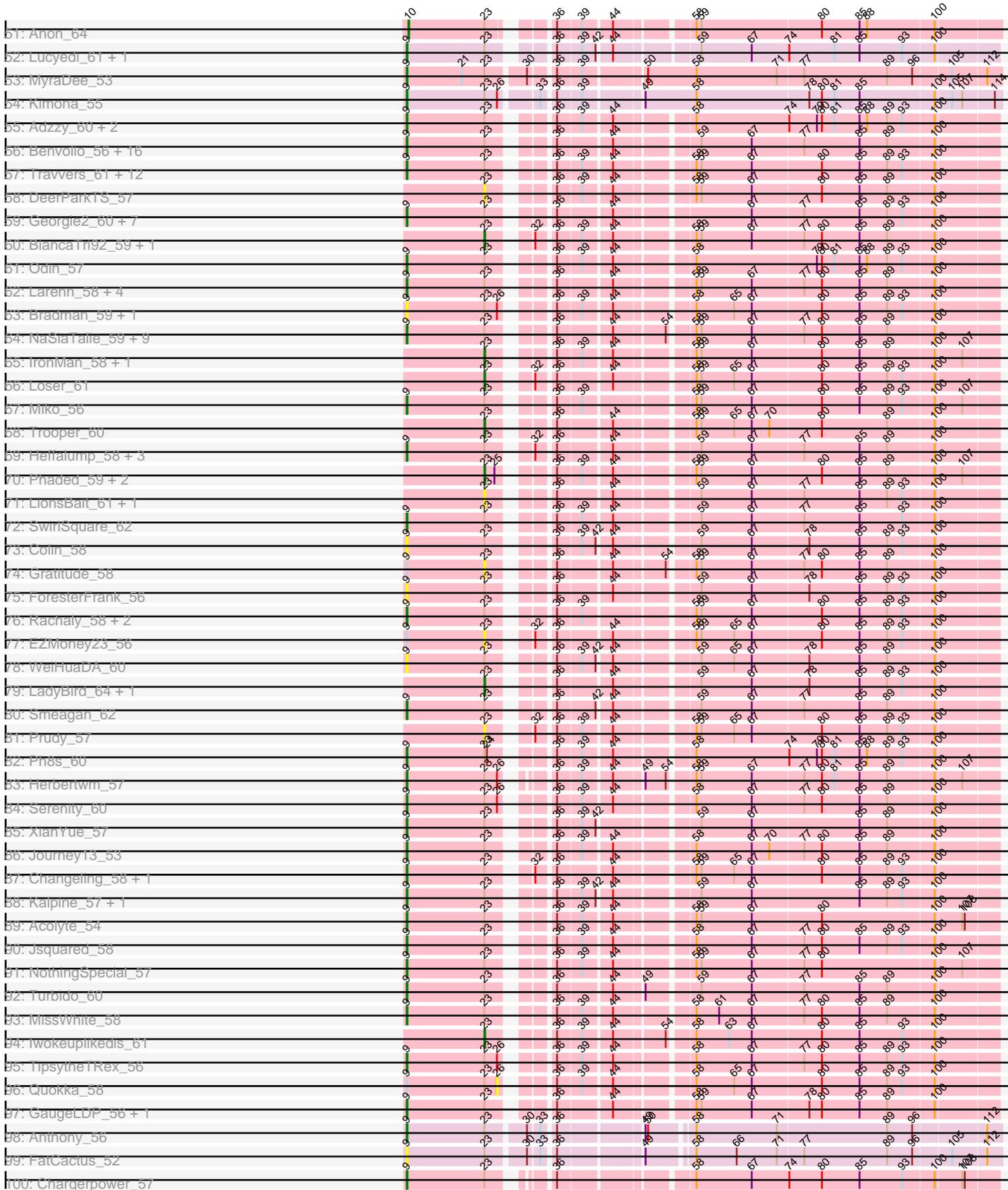
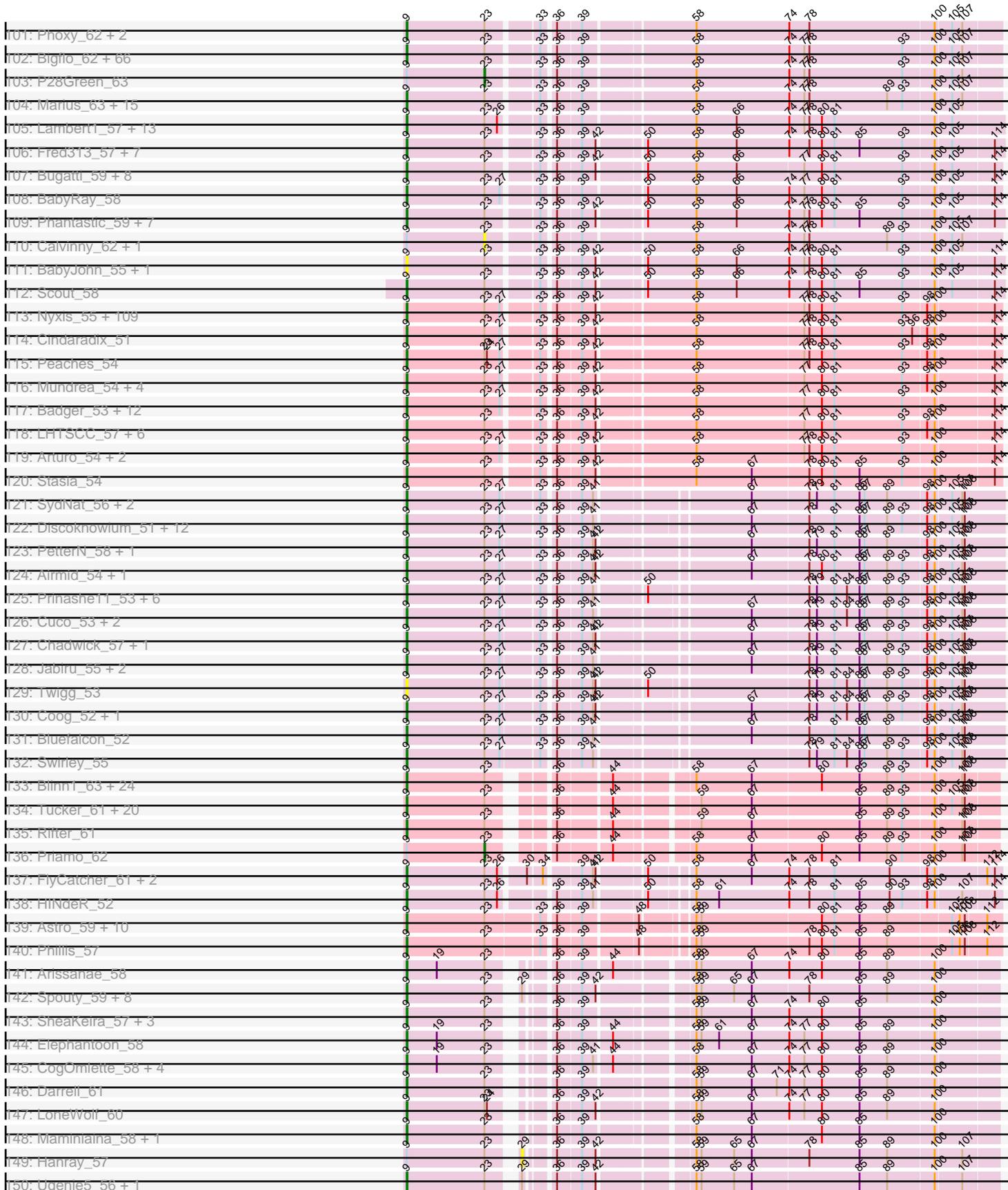


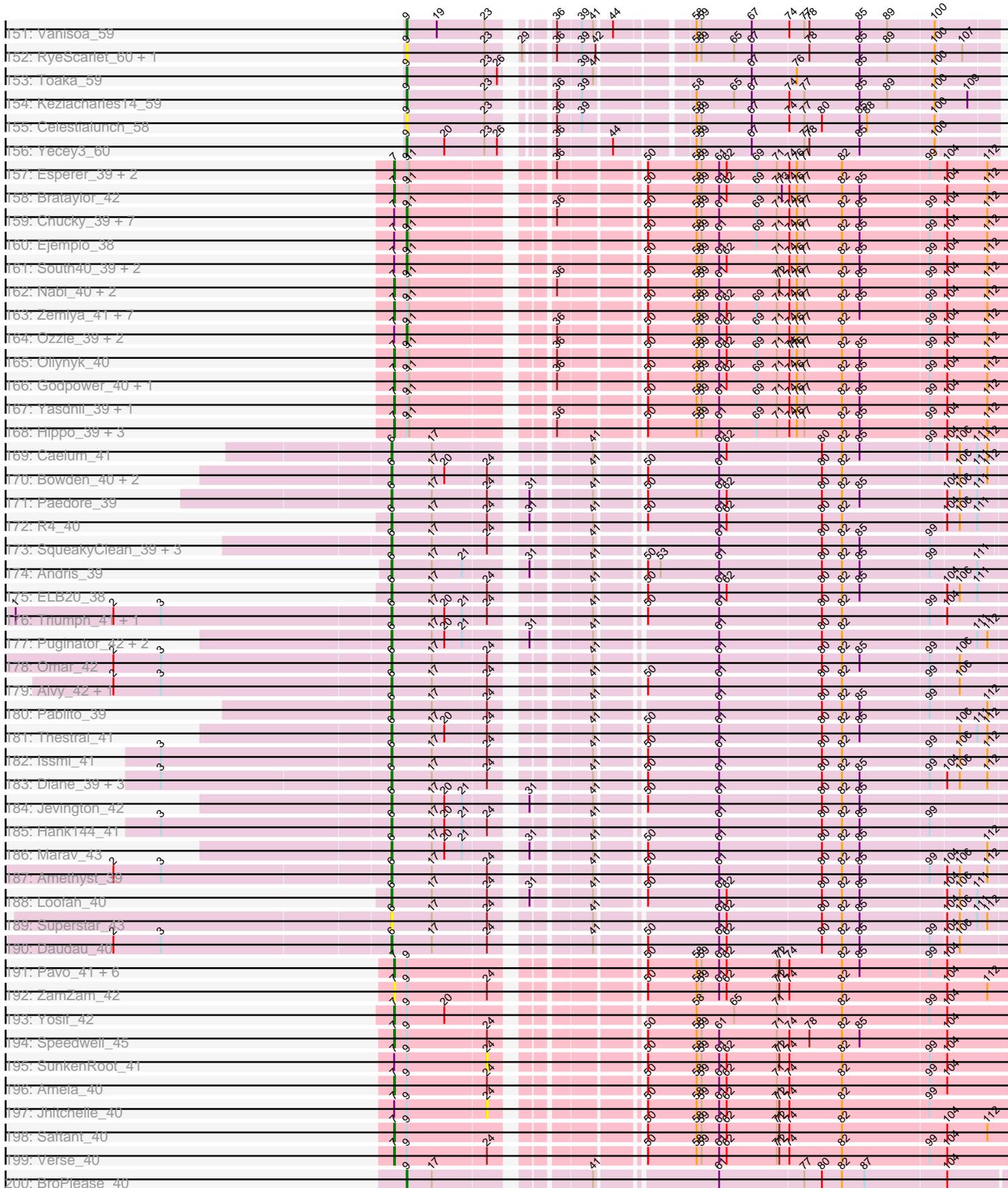
Pham 290663



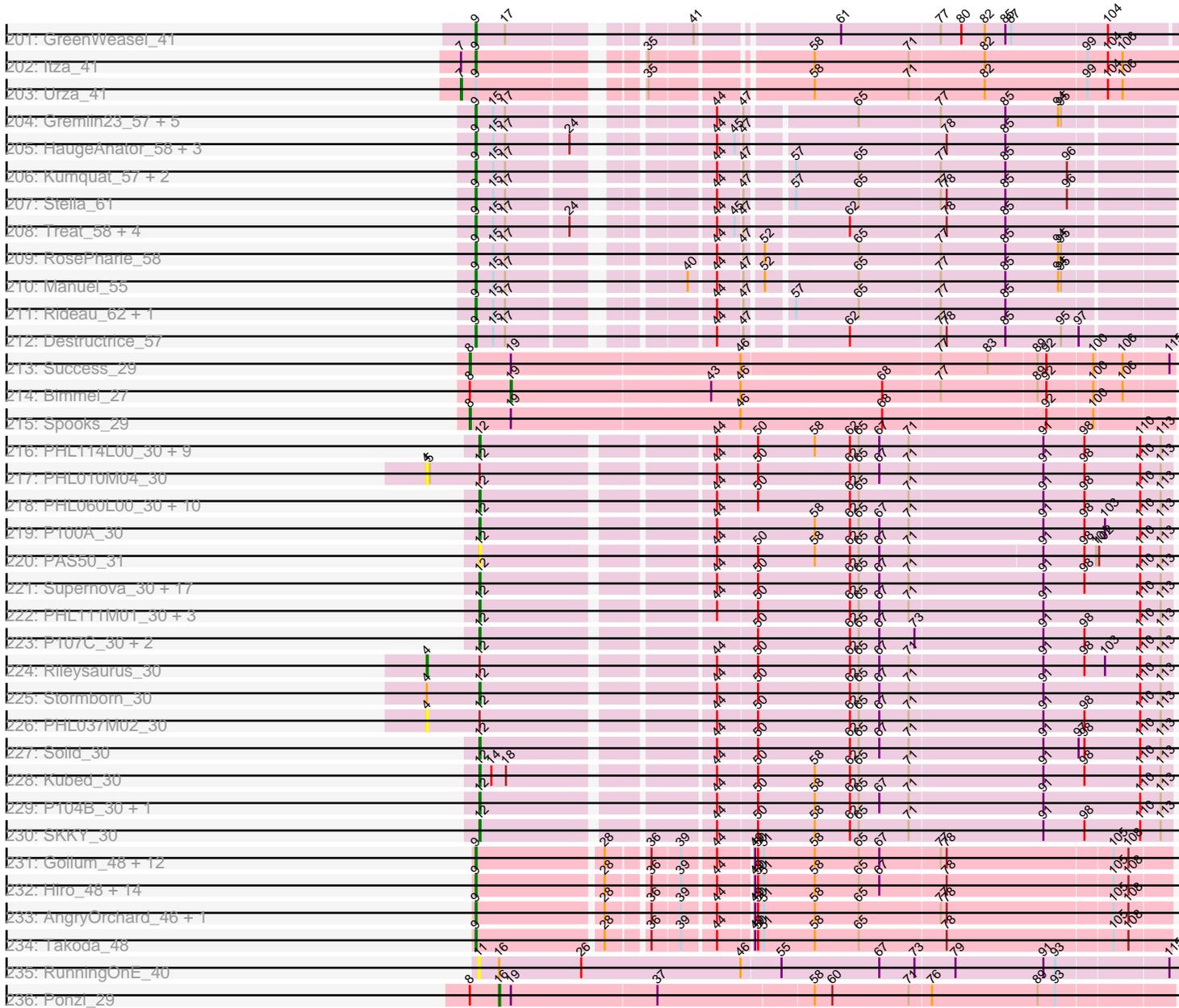
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Pham 290663



Pham 290663



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 290663 Report

This analysis was run 03/28/26 on database version 641.

Pham number 290663 has 889 members, 93 are drafts.

Phages represented in each track:

- Track 1 : Jerm2_56, Rohr_56, HermioneGrange_55
- Track 2 : Lesedi_51, Magnito_53, Carlyle_53
- Track 3 : MrGordo_54, Burton_55, Gandalf20_57, Big3_54, Espresso_54
- Track 4 : Trouble_57, BigPaolini_54, Mkhusei_53, Petruccio_54
- Track 5 : PSullivan_55, Pita2_58, KBG_55
- Track 6 : ConceptII_57, Raid_55, GageAP_55, AFIS_52
- Track 7 : Buttons_53
- Track 8 : ShortQueendom_49, Perseus_55, RidgeCB_54, Seanderson_56
- Track 9 : Tote_51, PattyP_55, Chanagan_51, Swole_56
- Track 10 : Euphoria_52, Watermelon_55, Manatee_56, Ohno789_56, Lopton_55, Anglerfish_56
- Track 11 : Kugel_55, Blue_54, BaconJack_57
- Track 12 : Norz_56, Sunshine924_56
- Track 13 : Violet_53, MPlant7149_53, Kykar_54, Abrogate_540, Rufus_56, Pari_57, Bob3_53, Sibs6_57, Molly_56, Acme_56, DrFeelGood_52
- Track 14 : Eyeball_56
- Track 15 : Zephyr_55, TheloniousMonk_55, Magnar_54
- Track 16 : Arcanine_56
- Track 17 : Iqorha_51, KyMonks1A_57, Zeuska_53, Inyanga_51, Traft412_57
- Track 18 : Naira_57, Squee_55
- Track 19 : NEHalo_53
- Track 20 : Atkinbua_58
- Track 21 : Rajelicia_55
- Track 22 : Gwendoluna_58
- Track 23 : Sagefire_57
- Track 24 : Edison31_54, Goose_56, Rowdy_59, Shapes_59, Chupacabra_54, Twister_54, DustyMartin_59, OKCentral2016_55, Topanga_53, WalterMcMickey_54
- Track 25 : DontArgue_54
- Track 26 : PeaceMeal1_54, Drake94_54, Poompha_54
- Track 27 : Severus_54, KittenMittens_53, Trike_54
- Track 28 : Eaglepride_57
- Track 29 : RhynO_56
- Track 30 : Kristoff_55, Rebeuca_56
- Track 31 : Ebony_59, Bud_59, Hutc2_59, MaCh_60, Jabith_60, Flaverint_60, Salz_58, Joselito_60, TinyTimmy_59, Bachome_61, Et2Brutus_58, Fibonacci_59, Bowtie_60, Orange_59, Sham4_59, Snape_59, Mabel_59, Munch_60, Gilberta_60, Timothy_59, Aneem_60, Petersenfast_58, Lucivia_60

- Track 32 : Mulciber_59
- Track 33 : Insomnia_60, Wolpertinger_58, Kimba_59
- Track 34 : Saskia_60
- Track 35 : Pharaoh_54
- Track 36 : Steamy_55
- Track 37 : Refuge_57, DARTHPhader_56
- Track 38 : Zimmer_56
- Track 39 : Phlei_49
- Track 40 : Jeeves_63, Gail_62, Luchador_62, SororFago_60
- Track 41 : Epsocamisio_63, Battleship_68
- Track 42 : Nedarya_62
- Track 43 : ReMo_64, DekHockey33_67, Soups_66, LastResort_64
- Track 44 : Looper_65, Boohoo_66, Remus_66, Strosahl_66, Waits_66, MinecraftSteve_66, JSwag_65, Nebulosus_64, KatherineG_66, Rosalind_64, Anaysia_66
- Track 45 : Oofda_67
- Track 46 : Elle_60
- Track 47 : ShayRa_66
- Track 48 : Warrior24_68
- Track 49 : Ravana_69
- Track 50 : Switzerland_65
- Track 51 : Anon_64
- Track 52 : Lucyedi_61, EagleEye_62
- Track 53 : MyraDee_53
- Track 54 : Kimona_55
- Track 55 : Adzzy_60, Caraxes_59, Superchunk_57
- Track 56 : Benvolio_56, EvilGenius_61, Echild_59, ChipMunk_61, Dalmatian_60, Anselm_60, DudeLittle_58, AbbyPaige_61, Retro23_60, Whabigail7_60, Agape74_61, Buggy_61, KingCyrus_61, Dignity_61, Jerm_61, Leviathan_61, LilTurb_60
- Track 57 : Travvers_61, Duplo_61, Kerberos_61, DBQu4n_61, StarStuff_61, C3_57, D32_60, Naji_61, VC3_62, AN9_62, Tomathan_61, Pomar16_61, ANI8_62
- Track 58 : DeerParkTS_57
- Track 59 : Georgie2_60, FiringLine_59, Power_58, SemperFi_60, SweetiePie_59, SnapTap_59, Crucio_59, QueenBeesly_59
- Track 60 : BiancaTri92_59, Leogania_59
- Track 61 : Odin_57
- Track 62 : Larenn_58, HarryHoudini_60, Piro94_59, Malec_59, Drake55_61
- Track 63 : Bradman_59, MajorMajor_59
- Track 64 : NaSiaTalie_59, Updawg_60, Equemioh13_60, MiculUcigas_59, WideWale_60, Centaur_60, Sknot_59, Baehexic_58, Terrific_61, Flare16_59
- Track 65 : IronMan_58, Jaan_59
- Track 66 : Loser_61
- Track 67 : Miko_56
- Track 68 : Trooper_60
- Track 69 : Heffalump_58, QueenB2_58, JoshKayV_61, Fameo_59
- Track 70 : Phaded_59, Landor_59, Bactobuster_57
- Track 71 : LionsBait_61, HippoHollow_59
- Track 72 : SwirlSquare_62
- Track 73 : Colin_58
- Track 74 : Gratitude_58
- Track 75 : ForesterFrank_56
- Track 76 : Rachaly_58, BobSwaget_55, LOKK_56

- Track 77 : EZMoney23_56
- Track 78 : WeiHuaDA_60
- Track 79 : LadyBird_64, BengiVuitton_60
- Track 80 : Smeagan_62
- Track 81 : Prudy_57
- Track 82 : Ph8s_60
- Track 83 : Herbertwm_57
- Track 84 : Serenity_60
- Track 85 : XianYue_57
- Track 86 : Journey13_53
- Track 87 : Changeling_58, ArcherNM_54
- Track 88 : Kalpine_57, Trixie_57
- Track 89 : Acolyte_54
- Track 90 : Jsquared_58
- Track 91 : NothingSpecial_57
- Track 92 : Turbido_60
- Track 93 : MissWhite_58
- Track 94 : Iwokeuplikedis_61
- Track 95 : TipsytheTRex_56
- Track 96 : Quokka_58
- Track 97 : GaugeLDP_56, BabyBack_57
- Track 98 : Anthony_56
- Track 99 : FatCactus_52
- Track 100 : Chargerpower_57
- Track 101 : Phoxy_62, Spike509_62, Louie6_61
- Track 102 : Bigflo_62, Hercules11_62, SoilDragon_62, Fernando_62, Sabia_62, Jobu08_60, Lilith_62, MadMarie_62, Watson_62, TinyPebbles_61, Snickers_62, Grub_62, HashRod_63, Beauxregard13_62, Sabinator_61, Malinsilva_64, LugYA_65, Wooldri_64, LBerry_63, Croquant_63, LarryKay_62, Ollie_62, PGHhamlin_64, JenCasNa_63, AgronaGT15_61, Vix_61, StepMih_62, Penny1_63, DaHudson_62, BreSam8_62, MoneyMay_62, KADY_62, MarQuardt_62, Methuselah_57, Marie_61, BuzzBuzz_59, EpicPhail_63, Dieselweasel_63, Anubis_65, Gwennie_61, Aglet_63, Daishi_61, Farber_62, Zetzy_61, Microwolf_61, Soshari_64, JHC117_61, Misomonster_63, Grif_62, MuchMore_65, Colbster_62, Pembroke_62, GingkoMaracino_62, Phoebe_63, Grum1_62, Taurus_63, GtownJaz_62, Tiffany_61, Iowa_62, Stagni_62, Rummer_61, PotatoSplit_64, AugsMagnumOpus_65, Mainiac_62, Montavir_61, SoYo_62, Cullens_62
- Track 103 : P28Green_63
- Track 104 : Marius_63, JeppNRM_63, Phranny_63, Kalnoky_63, OlanP_61, Heliosoles_61, Reba_62, Manu_62, PhishRPhriends_60, HaveUMetTed_63, ACFishhook_61, Groupthink_63, Gemma_61, PurpleHaze_62, Pawn_62, Kalb97_63
- Track 105 : Lambert1_57, Caviar_57, Noella_57, ResDef_57, Popcicle_57, Hookmount_57, EtoileNova_58, Texage_56, Pocahontas_57, Margo_57, Todacoro_57, QuinnKiro_56, Norbert_56, Veracruz_56
- Track 106 : Fred313_57, Marchesa_58, HelDan_58, Kachowdy_58, Zarafa_58, Heathen_58, Roimos_58, DropBear_58
- Track 107 : Bugatti_59, BlueBird_60, Giroux_60, Idleandcovert_58, Pistachio_59, Puppy_59, Clammy_59, TNguyen7_59, SaturnRing_59
- Track 108 : BabyRay_58
- Track 109 : Phantastic_59, MA5_58, JF4_56, Rockstar_57, B1_52, JF2_56, Isca_57, MK4_58
- Track 110 : Calvinny_62, ClownCar_62
- Track 111 : BabyJohn_55, Chiqui_55

- Track 112 : Scout_58
- Track 113 : Nyxis_55, Bartimeaus_55, Lemur_55, SenorClean_55, Ulysses_54, Phighter1804_55, JetBlade_55, Mayonnaise_54, TroyPia_56, LittleB_55, Iceman_55, DirtyDunning_54, Phacado_55, Wizard007_55, BubbleTrouble_54, Gadost_55, Eurydice_56, Kremtemulon_55, LeoAvram_55, MeeZee_55, Floean_55, Roosevelt_54, Spino_54, Dhanush_55, Pipcraft_53, Maverick_55, NorthStar_54, CentreCat_55, Commander_55, Rosa24_54, Taquarus_55, Chaph_55, BellusTerra_56, Sultana_55, Connomayer_55, KFPoly_54, Eros_55, Clarenza_54, HamSlice_53, Blackmoor_55, Citius_55, Koan_53, LittleGuy_55, ICleared_55, Deano_54, Eapen_55, Shaka_55, Jaykayelowell_53, Phontbonne_55, Ohfah_56, Annyong_55, Palestino_54, Funston_54, OKaNui_55, Melvin_57, JoongJeon_54, Mazhar510_55, Koreni_54, TygerBlood_55, Polymorphads_56, Millski_54, Nebs_56, Medusa_55, NotAPhaseMom_55, Sabertooth_55, Lunsford_56, Morrow_56, Burger_53, Bruiser_54, SteMason_54, Albee_55, Iracema64_56, Houdini22_55, Flux_55, Cintron_54, Eris_54, Sparxx_56, TiroTheta9_55, Pumbaa_55, Lorenzo_55, Bombshell_55, YoSam321_55, Kingmustik0402_55, KekoraPapaka_55, Relief_54, TinaFeyge_54, Wander_55, Nemo27_55, PeterPeter_55, Phelipe_56, Huxley_55, Alberto7_56, Wilbur_55, Maxo_56, Ruin_55, Romney_55, Thanksgivukkah_54, Scamp_55, Camperdownii_53, Baby16_55, LappelDuVide_55, Noelle_55, Tinybot_54, Druantia_55, Abdiel_55, Broseidon_55, Cocoaberry_55, Holli_54, Kyee_55, Kampy_54
- Track 114 : Cindaradix_51
- Track 115 : Peaches_54
- Track 116 : Mundrea_54, Avle17_55, AvatarAhPeg_53, Miramae_53, Stink_53
- Track 117 : Badger_53, Bumblebee11_53, Cici_54, Datway_54, AbbysRanger_54, PetiteSangsue_54, Wile_54, Katalie136_54, Achebe_53, Morpher26_54, Xena_53, Backyardigan_52, Perplexer_54
- Track 118 : LHTSCC_57, BangNhom_55, Obama12_56, Cerulean_56, Happiness_54, SheldonCooper_56, ChampagnePapi_57
- Track 119 : Arturo_54, Kratark_55, Shygu2_54
- Track 120 : Stasia_54
- Track 121 : SydNat_56, Ghoulboy_56, Zolita_55
- Track 122 : Discoknowium_51, Phlorence_51, Archetta_52, Tiger_52, ForGetIt_53, Dublin_53, MarysWell_53, Jovo_53, PickleBack_53, Lev2_53, Aragog_52, Conspiracy_53, AgentM_52
- Track 123 : PetterN_58, Scorpia_58
- Track 124 : Airmid_54, ElTiger69_56
- Track 125 : Prinash11_53, Florence4_53, LittleCherry_53, HuhtaEnerson15_53, Florence1_51, Milcery_53, Micasa_54
- Track 126 : Cuco_53, Tarynearal_51, Bonamassa_53
- Track 127 : Chadwick_57, Benedict_57
- Track 128 : Jabiru_55, Theia_52, UnionJack_55
- Track 129 : Twigg_53
- Track 130 : Coog_52, Midas2_52
- Track 131 : Bluefalcon_52
- Track 132 : Swirley_55
- Track 133 : Blinn1_63, McFly_60, VohminGhazi_60, Pmask_59, Isiphiwo_58, Cookiedough_60, SuperAwesome_60, JewelBug_61, Dorothea_60, Chartreuse_59, DaVinci_59, Candra_59, SmellyB_60, Kazan_61, EricB_59, Neeharika16_59, Hoot_55, Jordennis_59, DelvinSonDorr_58, Polyphemus_62, SuperCallie99_58, Newrala_60, GreedyLawyer_59, Kipper29_60, BABullseye_53
- Track 134 : Tucker_61, Wiks_60, Koko_62, Gladiator_58, CloudWang3_61, Helmet_63, Yokurt_61, Gruunaga_61, ToneTone_58, Roksolana_62, Zulu_62,

Lilbunny_60, BennyP_61, Artemis2UCLA_61, Temprado_62, Hexamo_61, BlessJoy_61, WunderPhul_61, Zaka_61, Indra_64, Garak_63

- Track 135 : Rifter_61
- Track 136 : Priamo_62
- Track 137 : FlyCatcher_61, Sheen_57, Toro_59
- Track 138 : HINdeR_52
- Track 139 : Astro_59, Danforth_59, Caitlin_57, Expelliarmus_57, NearlyHeadless_59, Smeadley_59, Saintus_54, Groundhog_58, Dixon_58, Stephig9_59, Roary_60
- Track 140 : Phillis_57
- Track 141 : Arissanae_58
- Track 142 : Spouty_59, Phaeder_59, ExplosioNervosa_59, Fayely_59, Priya_59, Aliter_59, EmyBug_58, Ayanochan_60, Tubs_59
- Track 143 : SheaKeira_57, DreamTeam1_57, Klodlith_58, Charm_57
- Track 144 : Elephantoon_58
- Track 145 : CogOmlette_58, Rahalelujah_59, WorldCup_58, Minispark_58, Bellris_58
- Track 146 : Darrell_61
- Track 147 : LoneWolf_60
- Track 148 : Maminiaina_58, BogosyJay_58
- Track 149 : Hanray_57
- Track 150 : Ugenie5_56, Phonnegut_59
- Track 151 : Vanisoa_59
- Track 152 : RyeScarlet_60, Jiawan_57
- Track 153 : Toaka_59
- Track 154 : Keziacharles14_59
- Track 155 : Celestialunch_58
- Track 156 : Yecey3_60
- Track 157 : Esperer_39, Phettuccine_39, Indigo_38
- Track 158 : Brataylor_42
- Track 159 : Chucky_39, Emaanora_42, BarryBee_42, Werner_39, TagePghter_41, Triste_39, Snorlax_39, SarahRose_39
- Track 160 : Ejemplo_38
- Track 161 : South40_39, RedBear_40, Katalie_39
- Track 162 : Nabi_40, Rana_40, Lorelei_40
- Track 163 : Zemlya_41, Dattran_41, Danzina_41, Goby_39, Sujidade_40, Celeste_40, Toma_39, Nanodon_41
- Track 164 : Ozzie_39, Bovely_39, BeardedLady_40
- Track 165 : Oliynyk_40
- Track 166 : Godpower_40, Lika_39
- Track 167 : Yasdnil_39, Maneekul_39
- Track 168 : Hippo_39, OzzyJ_40, Dwayne_39, Whatever_39
- Track 169 : Caelum_41
- Track 170 : Bowden_40, TinaBelcher_40, TrvxScott_39
- Track 171 : Paedore_39
- Track 172 : R4_40
- Track 173 : SqueakyClean_39, GirlDinner_39, Animus_39, Janus_40
- Track 174 : Andris_39
- Track 175 : ELB20_38
- Track 176 : Triumph_41, Axiom_40
- Track 177 : Puginator_42, Paolo_42, Zainub_42
- Track 178 : Omar_42
- Track 179 : Alvy_42, BartholomewSD_42

- Track 180 : Pablito_39
- Track 181 : Thestral_41
- Track 182 : Issmi_41
- Track 183 : Diane_39, Nishikigoi_41, Tefunt_41, Haizum_41
- Track 184 : Jevington_42
- Track 185 : Hank144_41
- Track 186 : Marav_43
- Track 187 : Amethyst_39
- Track 188 : Loofah_40
- Track 189 : Superstar_43
- Track 190 : Daudau_40
- Track 191 : Pavo_41, Conan_41, Alsaber_41, Kaine_40, Provolone_41, Dexers_39, ElGato_41
- Track 192 : ZamZam_42
- Track 193 : Yosif_42
- Track 194 : Speedwell_45
- Track 195 : SunkenRoot_41
- Track 196 : Amela_40
- Track 197 : Jhitchelle_40
- Track 198 : Saftant_40
- Track 199 : Verse_40
- Track 200 : BroPlease_40
- Track 201 : GreenWeasel_41
- Track 202 : Itza_41
- Track 203 : Urza_41
- Track 204 : Gremlin23_57, Geostin_52, FlowerPower_57, Fabian_55, Vorvolakos_58, RetrieverFever_57
- Track 205 : HaugeAnator_58, Olicious_58, Immanuel3_57, ZooBear_58
- Track 206 : Kumquat_57, Zeigle_57, WRightOn_61
- Track 207 : Stella_61
- Track 208 : Treat_58, ToriToki_58, Romero_58, Percastrophe_58, JPandJE_58
- Track 209 : RosePharie_58
- Track 210 : Manuel_55
- Track 211 : Rideau_62, Dennebes_62
- Track 212 : Destructrice_57
- Track 213 : Success_29
- Track 214 : Bimmel_27
- Track 215 : Spooks_29
- Track 216 : PHL114L00_30, LilBandit_30, P104A_30, P101A_30, PAD20_31, P1.1_30, Wizzo_30, PHL112N00_30, Leviosa_30, P100.1_30
- Track 217 : PHL010M04_30
- Track 218 : PHL060L00_30, Aquarius_30, DrParker_30, Attacne_30, P106M_30, P9.1_30, P106L_30, P106I_30, Procrass1_30, P106A_30, P106C_31
- Track 219 : P100A_30
- Track 220 : PAS50_31
- Track 221 : Supernova_30, P100D_30, PA6_31, P108C_30, Lauchelly_30, BruceLethal_30, MrAK_30, Enochoraptor_30, Moyashi_30, QueenBey_30, Pirate_30, P14.4_30, Ouroboros_30, Enoki_30, Cota_30, PHL071N05_30, Keiki_30, MEAK_30
- Track 222 : PHL111M01_30, P105_30, P107A_30, PHL113M01_30
- Track 223 : P107C_30, ATCC29399BC_30, ATCC29399BT_30
- Track 224 : Rileysaurus_30
- Track 225 : Stormborn_30
- Track 226 : PHL037M02_30

- Track 227 : Solid_30
- Track 228 : Kubed_30
- Track 229 : P104B_30, PHL067M10_30
- Track 230 : SKKY_30
- Track 231 : Gollum_48, StCroix_47, Partridge_47, RexFury_47, Erik_48, Krishelle_48, Swann_48, Naiad_47, Bradshaw_48, TWAMP_48, Phrankenstein_48, Alatin_47, Rasputin_48
- Track 232 : Hiro_48, Jester_47, Bryce_47, Yoncess_47, Nancinator_48, Yogi_47, Espica_48, AppleCloud_45, Natosaleda_47, Bonanza_48, Belenaria_48, Shuman_48, UhSalsa_48, Alpacados_47, Harlequin_47
- Track 233 : AngryOrchard_46, Dinger_47
- Track 234 : Takoda_48
- Track 235 : RunningOnE_40
- Track 236 : Ponzi_29

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

The start number called the most often in the published annotations is 9, it was called in 590 of the 796 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- ACFishhook_61, AN9_62, ANI8_62, AbbyPaige_61, AbbysRanger_54, Abdiel_55, Achebe_53, Acolyte_54, Adzzy_60, Agape74_61, AgentM_52, Aglet_63, AgronaGT15_61, Airmid_54, Alatin_47, Albee_55, Alberto7_56, Aliter_59, Alpacados_47, Anaysia_66, Aneem_60, AngryOrchard_46, Annyong_55, Anselm_60, Anthony_56, Anubis_65, AppleCloud_45, Aragog_52, ArcherNM_54, Archetta_52, Arissanae_58, Artemis2UCLA_61, Arturo_54, Astro_59, AugsMagnumOpus_65, AvatarAhPeg_53, Avle17_55, Ayanochan_60, B1_52, BABullseye_53, Baby16_55, BabyBack_57, BabyJohn_55, BabyRay_58, Bachome_61, Backyardigan_52, Badger_53, Baehexic_58, BangNhom_55, BarryBee_42, Bartimeaus_55, BeardedLady_40, Beauxregard13_62, Belenaria_48, Bellris_58, BellusTerra_56, Benedict_57, BennyP_61, Benvolio_56, Bigflo_62, Blackmoor_55, BlessJoy_61, Blinn1_63, BlueBird_60, Bluefalcon_52, BobSwaget_55, BogosyJay_58, Bombshell_55, Bonamassa_53, Bonanza_48, Boohoo_66, Bovely_39, Bowtie_60, Bradman_59, Bradshaw_48, BreSam8_62, BroPlease_40, Broseidon_55, Bruiser_54, Bryce_47, BubbleTrouble_54, Bud_59, Bugatti_59, Buggy_61, Bumblebee11_53, Burger_53, BuzzBuzz_59, C3_57, Caitlin_57, Camperdownii_53, Candra_59, Caraxes_59, Caviar_57, Celestiallunch_58, Centaur_60, CentreCat_55, Cerulean_56, Chadwick_57, ChampagnePapi_57, Changeling_58, Chaph_55, Chargerpower_57, Charm_57, Chartreuse_59, ChipMunk_61, Chiqui_55, Chucky_39, Chupacabra_54, Cici_54, Cindaradix_51, Cintron_54, Citius_55, Clammy_59, Clarenza_54, CloudWang3_61, Cocoaberry_55, CogOmlette_58, Colbster_62, Colin_58, Commander_55, Connomayer_55, Conspiracy_53, Coog_52, Cookiedough_60, Croquant_63, Crucio_59, Cuco_53, Cullens_62, D32_60, DBQu4n_61, DaHudson_62, DaVinci_59, Daishi_61, Dalmatian_60, Danforth_59, Darrell_61, DarthPhader_56, Datway_54, Deano_54, DekHockey33_67, DelvinSonDorr_58, Dennebes_62, Destructrice_57, Dhanush_55, Dieselweasel_63, Dignity_61, Dinger_47, DirtyDunning_54, Discoknowium_51, Dixon_58, DontArgue_54, Dorothea_60, Drake55_61, Drake94_54, DreamTeam1_57, DropBear_58, Druantia_55, Dublin_53, DudeLittle_58, Duplo_61, DustyMartin_59, EagleEye_62,

Eaglepride_57, Eapen_55, Ebony_59, Echild_59, Edison31_54, Ejemplo_38, EITiger69_56, Elephanto_58, Emaanora_42, EmyBug_58, EpicPhail_63, Equemioh13_60, EricB_59, Erik_48, Eris_54, Eros_55, Espica_48, Et2Brutus_58, EtoileNova_58, Eurydice_56, EvilGenius_61, Expelliarmus_57, ExplosioNervosa_59, Fabian_55, Fameo_59, Farber_62, FatCactus_52, Fayely_59, Fernando_62, Fibonacci_59, FiringLine_59, Flare16_59, Flaverint_60, Florean_55, Florence1_51, Florence4_53, FlowerPower_57, Flux_55, FlyCatcher_61, ForGetIt_53, ForesterFrank_56, Fred313_57, Funston_54, Gadost_55, Gail_62, Garak_63, GaugeLDP_56, Gemma_61, Georgie2_60, Geostin_52, Ghouboy_56, Gilberta_60, GingkoMaracino_62, Giroux_60, Gladiator_58, Gollum_48, Goose_56, GreedyLawyer_59, GreenWeasel_41, Gremlin23_57, Grif_62, Groundhog_58, Groupthink_63, Grub_62, Grum1_62, Gruunaga_61, GtownJaz_62, Gwennie_61, HINdeR_52, HamSlice_53, Happiness_54, Harlequin_47, HarryHoudini_60, HashRod_63, HaugeAnator_58, HaveUMetTed_63, Heathen_58, Heffalump_58, HelDan_58, Heliosoles_61, Helmet_63, Herbertwm_57, Hercules11_62, Hexamo_61, Hiro_48, Holli_54, Hookmount_57, Hoot_55, Houdini22_55, HuhtaEnerson15_53, Hutc2_59, Huxley_55, ICleared_55, Iceman_55, Idleandcovert_58, Immanuel3_57, Indra_64, Iracema64_56, Isca_57, Isiphiwo_58, Itza_41, JF2_56, JF4_56, JHC117_61, JPandJE_58, JSwag_65, Jabiru_55, Jabith_60, Jaykayelowell_53, Jeeves_63, JenCasNa_63, JeppNRM_63, Jerm_61, Jester_47, JetBlade_55, JewelBug_61, Jiawan_57, Jobu08_60, JoongJeon_54, Jordennis_59, Joselito_60, JoshKayV_61, Journey13_53, Jovo_53, Jsquared_58, KADY_62, KFPoly_54, Kachowdy_58, Kalb97_63, Kalnoky_63, Kalpine_57, Kampy_54, Katalie136_54, Katalie_39, KatherineG_66, Kazan_61, KekoraPapaka_55, Kerberos_61, Keziacharles14_59, Kimona_55, KingCyrus_61, Kingmustik0402_55, Kipper29_60, KittenMittens_53, Klodlith_58, Koan_53, Koko_62, Koreni_54, Kratark_55, Kremtemulon_55, Krishelle_48, Kristoff_55, Kumquat_57, Kyee_55, LBerry_63, LHTSCC_57, Lambert1_57, LappelDuVide_55, Larenn_58, LarryKay_62, LastResort_64, Lemur_55, LeoAvram_55, Lev2_53, Leviathan_61, LilTurb_60, Lilbunny_60, Lilith_62, LittleB_55, LittleCherry_53, LittleGuy_55, Lokk_56, LoneWolf_60, Looper_65, Lorenzo_55, Louie6_61, Lowa_62, Luchador_62, Lucivia_60, Lucyedi_61, LugYA_65, Lunsford_56, MA5_58, MK4_58, MaCh_60, Mabel_59, MadMarie_62, Mainiac_62, MajorMajor_59, Malec_59, Malinsilva_64, Maminiaina_58, Manu_62, Manuel_55, MarQuardt_62, Marchesa_58, Margo_57, Marie_61, Marius_63, MarysWell_53, Maverick_55, Maxo_56, Mayonnaise_54, Mazhar510_55, McFly_60, Medusa_55, MeeZee_55, Melvin_57, Methuselah_57, Micasa_54, Microwolf_61, MiculUcigas_59, Midas2_52, Miko_56, Milcery_53, Millski_54, MinecraftSteve_66, Minispark_58, Miramae_53, Misomonster_63, MissWhite_58, MoneyMay_62, Montavir_61, Morpher26_54, Morrow_56, MuchMore_65, Mulciber_59, Munch_60, Mundrea_54, MyraDee_53, NaSiaTalie_59, Naiad_47, Naji_61, Nancinator_48, Natosaleda_47, NearlyHeadless_59, Nebs_56, Nebulosus_64, Neeharika16_59, Nemo27_55, Newrala_60, Noella_57, Noelle_55, Norbert_56, NorthStar_54, NotAPhaseMom_55, NothingSpecial_57, Nyxis_55, OKCentral2016_55, OKaNui_55, Obama12_56, Odin_57, Ohfah_56, OlanP_61, Olicious_58, Ollie_62, Orange_59, Ozzie_39, PGHhamlin_64, Palestino_54, Partridge_47, Pawn_62, PeaceMeal1_54, Peaches_54, Pembroke_62, Penny1_63, Percastrophe_58, Perplexer_54, PeterPeter_55, Petersenfast_58, PetiteSangsue_54, PetterN_58, Ph8s_60, Phacado_55, Phaeder_59, Phantastic_59, Pharaoh_54, Phelipe_56, Phighter1804_55, Phillis_57, PhishRPhriends_60, Phlei_49, Phlorence_51, Phoebe_63, Phonnegut_59, Phontbonne_55, Phoxy_62, Phrankenstein_48, Phranny_63, PickleBack_53, Pipcraft_53, Piro94_59, Pistachio_59, Pmask_59, Pocahontas_57, Polymorphads_56, Polyphemus_62, Pomar16_61, Poompha_54, Popcicle_57, PotatoSplit_64, Power_58, Prinashe11_53,

Priya_59, Pumbaa_55, Puppy_59, PurpleHaze_62, QueenB2_58, QueenBeesly_59, QuinnKiro_56, Rachaly_58, Rahalelujah_59, Rasputin_48, ReMo_64, Reba_62, Rebeuca_56, RedBear_40, Refuge_57, Relief_54, Remus_66, ResDef_57, RetrieverFever_57, Retro23_60, RexFury_47, RhynO_56, Rideau_62, Rifter_61, Roary_60, Rockstar_57, Roimos_58, Roksolana_62, Romero_58, Romney_55, Roosevelt_54, Rosa24_54, Rosalind_64, RosePharie_58, Rowdy_59, Ruin_55, Rummer_61, RyeScarlet_60, Sabertooth_55, Sabia_62, Sabinator_61, Saintus_54, Salz_58, SarahRose_39, Saskia_60, SaturnRing_59, Scamp_55, Scorpia_58, Scout_58, SemperFi_60, SeniorClean_55, Serenity_60, Severus_54, Shaka_55, Sham4_59, Shapes_59, SheaKeira_57, Sheen_57, SheldonCooper_56, Shuman_48, Shygu2_54, Sknot_59, Smeadley_59, Smeagan_62, SmellyB_60, SnapTap_59, Snape_59, Snickers_62, Snorlax_39, SoYo_62, SoilDragon_62, SororFago_60, Soshari_64, Soups_66, South40_39, Sparxx_56, Spike509_62, Spino_54, Spouty_59, StCroix_47, Stagni_62, StarStuff_61, Stasia_54, SteMason_54, Steamy_55, Stella_61, StepMih_62, Stephig9_59, Stink_53, Strosahl_66, Sultana_55, SuperAwesome_60, SuperCallie99_58, Superchunk_57, Swann_48, SweetiePie_59, SwirlSquare_62, Swirley_55, SydNat_56, TNguyen7_59, TWAMP_48, TagePhighter_41, Takoda_48, Taquarus_55, Tarynearal_51, Taurus_63, Temprado_62, Terrific_61, Texage_56, Thanksgivukkah_54, Theia_52, Tiffany_61, Tiger_52, Timothy_59, TinaFeyge_54, TinyPebbles_61, TinyTimmy_59, Tinybot_54, TopsytheTRex_56, TiroTheta9_55, Toaka_59, Todacoro_57, Tomathan_61, ToneTone_58, Topanga_53, ToriToki_58, Toro_59, Travvers_61, Treat_58, Trike_54, Triste_39, Trixie_57, TroyPia_56, Tubs_59, Tucker_61, Turbido_60, Twigg_53, Twister_54, TygerBlood_55, Ugenie5_56, UhSalsa_48, Ulysses_54, UnionJack_55, Updawg_60, VC3_62, Vanisoa_59, Veracruz_56, Vix_61, VohminGhazi_60, Vorvolakos_58, WRightOn_61, Waits_66, WalterMcMickey_54, Wander_55, Warrior24_68, Watson_62, WeiHuaDA_60, Werner_39, Whabigail7_60, WideWale_60, Wiks_60, Wilbur_55, Wile_54, Wizard007_55, Wooldri_64, WorldCup_58, WunderPhul_61, Xena_53, XianYue_57, Yecey3_60, YoSam321_55, Yogi_47, Yokurt_61, Yoncess_47, Zaka_61, Zarafa_58, Zeigle_57, Zetty_61, Zimmer_56, Zolita_55, ZooBear_58, Zulu_62,

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

- Alsaber_41, Amela_40, Battleship_68, Brataylor_42, Calvinny_62, Celeste_40, ClownCar_62, Conan_41, Danzina_41, Dattran_41, Dexers_39, Dwayne_39, EZMoney23_56, ElGato_41, Epsocamisio_63, Esperer_39, Goby_39, Godpower_40, Gratitude_58, Hanray_57, Hippo_39, Indigo_38, Insomnia_60, Jhitchelle_40, Kaine_40, Kimba_59, Lika_39, Lorelei_40, Maneekul_39, Nabi_40, Nanodon_41, Oliynyk_40, Oofda_67, OzzyJ_40, P28Green_63, Pavo_41, Phettuccine_39, Priamo_62, Provolone_41, Quokka_58, Rana_40, Ravana_69, Saftant_40, ShayRa_66, Speedwell_45, Sujidade_40, SunkenRoot_41, Switzerland_65, Toma_39, Urza_41, Verse_40, Whatever_39, Wolpertinger_58, Yasdnil_39, Yosif_42, ZamZam_42, Zemlya_41,

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

- AFIS_52, ATCC29399BC_30, ATCC29399BT_30, Abrogate_540, Acme_56, Alvy_42, Amethyst_39, Andris_39, Anglerfish_56, Animus_39, Anon_64, Aquarius_30, Arcanine_56, Atkinbua_58, Attacne_30, Axiom_40, BaconJack_57, Bactobuster_57, BartholomewSD_42, BengiVuitton_60, BiancaTri92_59, Big3_54, BigPaolini_54, Bimmel_27, Blue_54, Bob3_53, Bowden_40, BruceLethal_30, Burton_55, Buttons_53, Caelum_41, Carlyle_53, Chanagan_51, ConceptII_57, Cota_30, Daudau_40, DeerParkTS_57, Diane_39, DrFeelGood_52, DrParker_30, ELB20_38, Elle_60, Enochoraptor_30, Enoki_30, Espresso_54, Euphoria_52,

Eyeball_56, GageAP_55, Gandalf20_57, GirlDinner_39, Gwendoluna_58, Haizum_41, Hank144_41, HermioneGrange_55, HippoHollow_59, Inyanga_51, Iqorha_51, IronMan_58, Issmi_41, Iwokeuplikedis_61, Jaan_59, Janus_40, Jerm2_56, Jevington_42, KBG_55, Keiki_30, Kubed_30, Kugel_55, KyMonks1A_57, Kykar_54, LadyBird_64, Landor_59, Lauchelly_30, Leogania_59, Lesedi_51, Leviosa_30, LilBandit_30, LionsBait_61, Loofah_40, Lopton_55, Loser_61, MEAK_30, MPlant7149_53, Magnar_54, Magnito_53, Manatee_56, Marav_43, Mkhuseleli_53, Molly_56, Moyashi_30, MrAK_30, MrGordo_54, NEHalo_53, Naira_57, Nedarya_62, Nishikigoi_41, Norz_56, Ohno789_56, Omar_42, Ouroboros_30, P1.1_30, P100.1_30, P100A_30, P100D_30, P101A_30, P104A_30, P104B_30, P105_30, P106A_30, P106C_31, P106I_30, P106L_30, P106M_30, P107A_30, P107C_30, P108C_30, P14.4_30, P9.1_30, PA6_31, PAD20_31, PAS50_31, PHL010M04_30, PHL037M02_30, PHL060L00_30, PHL067M10_30, PHL071N05_30, PHL111M01_30, PHL112N00_30, PHL113M01_30, PHL114L00_30, PSullivan_55, Pablito_39, Paedore_39, Paolo_42, Pari_57, PattyP_55, Perseus_55, Petruccio_54, Phaded_59, Pirate_30, Pita2_58, Ponzi_29, Procrass1_30, Prudy_57, Puginator_42, QueenBey_30, R4_40, Raid_55, Rajelicia_55, RidgeCB_54, Rileysaurus_30, Rohr_56, Rufus_56, RunningOnE_40, SKKY_30, Sagefire_57, Seanderson_56, ShortQueendom_49, Sibs6_57, Solid_30, Spooks_29, SqueakyClean_39, Squee_55, Stormborn_30, Success_29, Sunshine924_56, Supernova_30, Superstar_43, Swole_56, Tefunt_41, TheloniousMonk_55, Thestral_41, TinaBelcher_40, Tote_51, Traft412_57, Triumph_41, Trooper_60, Trouble_57, TrvxScott_39, Violet_53, Watermelon_55, Wizzo_30, Zainub_42, Zephyr_55, Zeuska_53,

Summary by start number:

Start 4:

- Found in 4 of 889 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 796
- Called 75.0% of time when present
- Phage (with cluster) where this start called: PHL010M04_30 (BU), PHL037M02_30 (BU), Rileysaurus_30 (BU),

Start 6:

- Found in 34 of 889 (3.8%) of genes in pham
- Manual Annotations of this start: 33 of 796
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Alvy_42 (BD2), Amethyst_39 (BD2), Andris_39 (BD2), Animus_39 (BD2), Axiom_40 (BD2), BartholomewSD_42 (BD2), Bowden_40 (BD2), Caelum_41 (BD2), Daudau_40 (BD2), Diane_39 (BD2), ELB20_38 (BD2), GirlDinner_39 (BD2), Haizum_41 (BD2), Hank144_41 (BD2), Issmi_41 (BD2), Janus_40 (BD2), Jevington_42 (BD2), Loofah_40 (BD2), Marav_43 (BD2), Nishikigoi_41 (BD2), Omar_42 (BD2), Pablito_39 (BD2), Paedore_39 (BD2), Paolo_42 (BD2), Puginator_42 (BD2), R4_40 (BD2), SqueakyClean_39 (BD2), Superstar_43 (BD2), Tefunt_41 (BD2), Thestral_41 (BD2), TinaBelcher_40 (BD2), Triumph_41 (BD2), TrvxScott_39 (BD2), Zainub_42 (BD2),

Start 7:

- Found in 56 of 889 (6.3%) of genes in pham
- Manual Annotations of this start: 37 of 796
- Called 67.9% of time when present

- Phage (with cluster) where this start called: Alsaber_41 (BD3), Amela_40 (BD3), Brataylor_42 (BD1), Celeste_40 (BD1), Conan_41 (BD3), Danzina_41 (BD1), Dattran_41 (BD1), Dexers_39 (BD3), Dwayne_39 (BD1), ElGato_41 (BD3), Esperer_39 (BD1), Goby_39 (BD1), Godpower_40 (BD1), Hippo_39 (BD1), Indigo_38 (BD1), Kaine_40 (BD3), Lika_39 (BD1), Lorelei_40 (BD1), Maneekul_39 (BD1), Nabi_40 (BD1), Nanodon_41 (BD1), Oliynyk_40 (BD1), OzzyJ_40 (BD1), Pavo_41 (BD3), Phettuccine_39 (BD1), Provolone_41 (BD3), Rana_40 (BD1), Saftant_40 (BD3), Speedwell_45 (BD3), Sujidade_40 (BD1), Toma_39 (BD1), Urza_41 (BD6), Verse_40 (BD3), Whatever_39 (BD1), Yasdni_39 (BD1), Yosif_42 (BD3), ZamZam_42 (BD3), Zemlya_41 (BD1),

Start 8:

- Found in 4 of 889 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 796
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Spooks_29 (BT), Success_29 (BT),

Start 9:

- Found in 704 of 889 (79.2%) of genes in pham
- Manual Annotations of this start: 590 of 796
- Called 91.9% of time when present
- Phage (with cluster) where this start called: ACFishhook_61 (A3), AN9_62 (A2), ANI8_62 (A2), AbbyPaige_61 (A2), AbbysRanger_54 (A4), Abdiel_55 (A4), Achebe_53 (A4), Acolyte_54 (A2), Adzzy_60 (A2), Agape74_61 (A2), AgentM_52 (A5), Aglet_63 (A3), AgronaGT15_61 (A3), Airmid_54 (A5), Alatin_47 (CA), Albee_55 (A4), Alberto7_56 (A4), Aliter_59 (A9), Alpacados_47 (CA), Anaysia_66 (A15), Aneem_60 (A11), AngryOrchard_46 (CA), Annyong_55 (A4), Anselm_60 (A2), Anthony_56 (A20), Anubis_65 (A3), AppleCloud_45 (CA), Aragog_52 (A5), ArcherNM_54 (A2), Archetta_52 (A5), Arissanee_58 (A9), Artemis2UCLA_61 (A6), Arturo_54 (A4), Astro_59 (A8), AugsMagnumOpus_65 (A3), AvatarAhPeg_53 (A4), Avle17_55 (A4), Ayanochan_60 (A9), B1_52 (A3), BABullseye_53 (A6), Baby16_55 (A4), BabyBack_57 (A2), BabyJohn_55 (A3), BabyRay_58 (A3), Bachome_61 (A11), Backyardigan_52 (A4), Badger_53 (A4), Baehexic_58 (A2), BangNhom_55 (A4), BarryBee_42 (BD1), Bartimeaus_55 (A4), BeardedLady_40 (BD1), Beauxregard13_62 (A3), Belenaria_48 (CA), Bellris_58 (A9), BellusTerra_56 (A4), Benedict_57 (A5), BennyP_61 (A6), Benvolio_56 (A2), Bigflo_62 (A3), Blackmoor_55 (A4), BlessJoy_61 (A6), Blinn1_63 (A6), BlueBird_60 (A3), Bluefalcon_52 (A5), BobSwaget_55 (A2), BogosyJay_58 (A9), Bombshell_55 (A4), Bonamassa_53 (A5), Bonanza_48 (CA), Boohoo_66 (A15), Bovely_39 (BD1), Bowtie_60 (A11), Bradman_59 (A2), Bradshaw_48 (CA), BreSam8_62 (A3), BroPlease_40 (BD4), Broseidon_55 (A4), Bruiser_54 (A4), Bryce_47 (CA), BubbleTrouble_54 (A4), Bud_59 (A11), Bugatti_59 (A3), Buggy_61 (A2), Bumblebee11_53 (A4), Burger_53 (A4), BuzzBuzz_59 (A3), C3_57 (A2), Caitlin_57 (A8), Camperdownii_53 (A4), Candra_59 (A6), Caraxes_59 (A2), Caviar_57 (A3), Celestiallunch_58 (A9), Centaur_60 (A2), CentreCat_55 (A4), Cerulean_56 (A4), Chadwick_57 (A5), ChampagnePapi_57 (A4), Changeling_58 (A2), Chaph_55 (A4), Chargerpower_57 (A22), Charm_57 (A9), Chartreuse_59 (A6), ChipMunk_61 (A2), Chiqui_55 (A3), Chucky_39 (BD1), Chupacabra_54 (A10), Cici_54 (A4), Cindaradix_51 (A4), Cintron_54 (A4), Citius_55 (A4), Clammy_59 (A3), Clarenza_54 (A4), CloudWang3_61 (A6), Cocoaberry_55 (A4), CogOmlette_58 (A9), Colbster_62 (A3), Colin_58 (A2), Commander_55 (A4), Connomayer_55 (A4), Conspiracy_53 (A5), Coog_52 (A5), Cookiedough_60 (A6), Croquant_63 (A3), Crucio_59 (A2), Cuco_53 (A5), Cullens_62 (A3), D32_60 (A2), DBQu4n_61 (A2), DaHudson_62 (A3), DaVinci_59 (A6), Daishi_61 (A3),

Dalmatian_60 (A2), Danforth_59 (A8), Darrell_61 (A9), DarthPhader_56 (A12), Datway_54 (A4), Deano_54 (A4), DekHockey33_67 (A15), DelvinSonDorr_58 (A6), Dennebes_62 (BF), Destructrice_57 (BF), Dhanush_55 (A4), Dieselweasel_63 (A3), Dignity_61 (A2), Dinger_47 (CA), DirtyDunning_54 (A4), Discoknowium_51 (A5), Dixon_58 (A8), DontArgue_54 (A10), Dorothea_60 (A6), Drake55_61 (A2), Drake94_54 (A10), DreamTeam1_57 (A9), DropBear_58 (A3), Druantia_55 (A4), Dublin_53 (A5), DudeLittle_58 (A2), Duplo_61 (A2), DustyMartin_59 (A10), EagleEye_62 (A16), Eaglepride_57 (A10), Eapen_55 (A4), Ebony_59 (A11), Echild_59 (A2), Edison31_54 (A10), Ejemplo_38 (BD1), EITiger69_56 (A5), Elephantoon_58 (A9), Emaanora_42 (BD1), EmyBug_58 (A9), EpicPhail_63 (A3), Equemioh13_60 (A2), EricB_59 (A6), Erik_48 (CA), Eris_54 (A4), Eros_55 (A4), Espica_48 (CA), Et2Brutus_58 (A11), EtoileNova_58 (A3), Eurydice_56 (A4), EvilGenius_61 (A2), Expelliarmus_57 (A8), ExplosioNervosa_59 (A9), Fabian_55 (BF), Fameo_59 (A2), Farber_62 (A3), FatCactus_52 (A20), Fayely_59 (A9), Fernando_62 (A3), Fibonacci_59 (A11), FiringLine_59 (A2), Flare16_59 (A2), Flaverint_60 (A11), Florean_55 (A4), Florence1_51 (A5), Florence4_53 (A5), FlowerPower_57 (BF), Flux_55 (A4), FlyCatcher_61 (A7), ForGetIt_53 (A5), ForesterFrank_56 (A2), Fred313_57 (A3), Funston_54 (A4), Gadost_55 (A4), Gail_62 (A14), Garak_63 (A6), GaugeLDP_56 (A2), Gemma_61 (A3), Georgie2_60 (A2), Geostin_52 (BF), Ghoulboy_56 (A5), Gilberta_60 (A11), GingkoMaracino_62 (A3), Giroux_60 (A3), Gladiator_58 (A6), Gollum_48 (CA), Goose_56 (A10), GreedyLawyer_59 (A6), GreenWeasel_41 (BD4), Gremlin23_57 (BF), Grif_62 (A3), Groundhog_58 (A8), Groupthink_63 (A3), Grub_62 (A3), Grum1_62 (A3), Gruunaga_61 (A6), GtownJaz_62 (A3), Gwennie_61 (A3), HINdeR_52 (A7), HamSlice_53 (A4), Happiness_54 (A4), Harlequin_47 (CA), HarryHoudini_60 (A2), HashRod_63 (A3), HaugeAnator_58 (BF), HaveUMetTed_63 (A3), Heathen_58 (A3), Heffalump_58 (A2), HelDan_58 (A3), Heliosoles_61 (A3), Helmet_63 (A6), Herbertwm_57 (A2), Hercules11_62 (A3), Hexamo_61 (A6), Hiro_48 (CA), Holli_54 (A4), Hookmount_57 (A3), Hoot_55 (A6), Houdini22_55 (A4), HuhtaEnerson15_53 (A5), Hutc2_59 (A11), Huxley_55 (A4), ICleared_55 (A4), Iceman_55 (A4), Idleandcovert_58 (A3), Immanuel3_57 (BF), Indra_64 (A6), Iracema64_56 (A4), Isca_57 (A3), Isiphiwo_58 (A6), Itza_41 (BD6), JF2_56 (A3), JF4_56 (A3), JHC117_61 (A3), JPandJE_58 (BF), JSwag_65 (A15), Jabiru_55 (A5), Jabith_60 (A11), Jaykayelowell_53 (A4), Jeeves_63 (A14), JenCasNa_63 (A3), JeppNRM_63 (A3), Jerm_61 (A2), Jester_47 (CA), JetBlade_55 (A4), JewelBug_61 (A6), Jiawan_57 (A9), Jobu08_60 (A3), JoongJeon_54 (A4), Jordennis_59 (A6), Joselito_60 (A11), JoshKayV_61 (A2), Journey13_53 (A2), Jovo_53 (A5), Jsquared_58 (A2), KADY_62 (A3), KFPoly_54 (A4), Kachowdy_58 (A3), Kalb97_63 (A3), Kalnoky_63 (A3), Kalpine_57 (A2), Kampy_54 (A4), Katalie136_54 (A4), Katalie_39 (BD1), KatherineG_66 (A15), Kazan_61 (A6), KekoraPapaka_55 (A4), Kerberos_61 (A2), Keziacharles14_59 (A9), Kimona_55 (A19), KingCyrus_61 (A2), Kingmustik0402_55 (A4), Kipper29_60 (A6), KittenMittens_53 (A10), Klodlith_58 (A9), Koan_53 (A4), Koko_62 (A6), Koreni_54 (A4), Kratark_55 (A4), Kremtemulon_55 (A4), Krishelle_48 (CA), Kristoff_55 (A10), Kumquat_57 (BF), Kye_55 (A4), LBerry_63 (A3), LHTSCC_57 (A4), Lambert1_57 (A3), LappelDuVide_55 (A4), Larenn_58 (A2), LarryKay_62 (A3), LastResort_64 (A15), Lemur_55 (A4), LeoAvram_55 (A4), Lev2_53 (A5), Leviathan_61 (A2), LiITurb_60 (A2), Lilbunny_60 (A6), Lilith_62 (A3), LittleB_55 (A4), LittleCherry_53 (A5), LittleGuy_55 (A4), Lokk_56 (A2), LoneWolf_60 (A9), Looper_65 (A15), Lorenzo_55 (A4), Louie6_61 (A3), Lowa_62 (A3), Luchador_62 (A14), Lucivia_60 (A11), Lucyedi_61 (A16), LugYA_65 (A3), Lunsford_56 (A4), MA5_58 (A3), MK4_58 (A3), MaCh_60 (A11), Mabel_59 (A11), MadMarie_62 (A3), Mainiac_62 (A3), MajorMajor_59 (A2), Malec_59 (A2), Malinsilva_64 (A3), Maminiaina_58 (A9), Manu_62 (A3), Manuel_55 (BF),

MarQuardt_62 (A3), Marchesa_58 (A3), Margo_57 (A3), Marie_61 (A3), Marius_63 (A3), MarysWell_53 (A5), Maverick_55 (A4), Maxo_56 (A4), Mayonnaise_54 (A4), Mazhar510_55 (A4), McFly_60 (A6), Medusa_55 (A4), MeeZee_55 (A4), Melvin_57 (A4), Methuselah_57 (A3), Micasa_54 (A5), Microwolf_61 (A3), MiculUcigas_59 (A2), Midas2_52 (A5), Miko_56 (A2), Milcery_53 (A5), Millski_54 (A4), MinecraftSteve_66 (A15), Minispark_58 (A9), Miramae_53 (A4), Misomonster_63 (A3), MissWhite_58 (A2), MoneyMay_62 (A3), Montavir_61 (A3), Morpher26_54 (A4), Morrow_56 (A4), MuchMore_65 (A3), Mulciber_59 (A11), Munch_60 (A11), Mundrea_54 (A4), MyraDee_53 (A18), NaSiaTalie_59 (A2), Naiad_47 (CA), Naji_61 (A2), Nancinator_48 (CA), Natosaleda_47 (CA), NearlyHeadless_59 (A8), Nebs_56 (A4), Nebulosus_64 (A15), Neeharika16_59 (A6), Nemo27_55 (A4), Newrala_60 (A6), Noella_57 (A3), Noelle_55 (A4), Norbert_56 (A3), NorthStar_54 (A4), NotAPhaseMom_55 (A4), NothingSpecial_57 (A2), Nyxis_55 (A4), OKCentral2016_55 (A10), OKaNui_55 (A4), Obama12_56 (A4), Odin_57 (A2), Ohfah_56 (A4), OlanP_61 (A3), Olicious_58 (BF), Ollie_62 (A3), Orange_59 (A11), Ozzie_39 (BD1), PGHhamlin_64 (A3), Palestino_54 (A4), Partridge_47 (CA), Pawn_62 (A3), PeaceMeal1_54 (A10), Peaches_54 (A4), Pembroke_62 (A3), Penny1_63 (A3), Percastrophe_58 (BF), Perplexer_54 (A4), PeterPeter_55 (A4), Petersenfast_58 (A11), PetiteSangsue_54 (A4), PetterN_58 (A5), Ph8s_60 (A2), Phacado_55 (A4), Phaeder_59 (A9), Phantastic_59 (A3), Pharaoh_54 (A12), Phelipe_56 (A4), Phighter1804_55 (A4), Phillis_57 (A8), PhishRPhriends_60 (A3), Phlei_49 (A13), Phlorence_51 (A5), Phoebe_63 (A3), Phonnegut_59 (A9), Phontbonne_55 (A4), Phoxy_62 (A3), Phrankenstein_48 (CA), Phranny_63 (A3), PickleBack_53 (A5), Pipcraft_53 (A4), Piro94_59 (A2), Pistachio_59 (A3), Pmask_59 (A6), Pocahontas_57 (A3), Polymorphads_56 (A4), Polyphemus_62 (A6), Pomar16_61 (A2), Poompha_54 (A10), Popcicle_57 (A3), PotatoSplit_64 (A3), Power_58 (A2), Prinash11_53 (A5), Priya_59 (A9), Pumbaa_55 (A4), Puppy_59 (A3), PurpleHaze_62 (A3), QueenB2_58 (A2), QueenBeesly_59 (A2), QuinnKiro_56 (A3), Rachaly_58 (A2), Rahalelujah_59 (A9), Rasputin_48 (CA), ReMo_64 (A15), Reba_62 (A3), Rebeuca_56 (A10), RedBear_40 (BD1), Refuge_57 (A12), Relief_54 (A4), Remus_66 (A15), ResDef_57 (A3), RetrieverFever_57 (BF), Retro23_60 (A2), RexFury_47 (CA), RhynO_56 (A10), Rideau_62 (BF), Rifter_61 (A6), Roary_60 (A8), Rockstar_57 (A3), Roimos_58 (A3), Roksolana_62 (A6), Romero_58 (BF), Romney_55 (A4), Roosevelt_54 (A4), Rosa24_54 (A4), Rosalind_64 (A15), RosePharie_58 (BF), Rowdy_59 (A10), Ruin_55 (A4), Rummer_61 (A3), RyeScarlet_60 (A9), Sabertooth_55 (A4), Sabia_62 (A3), Sabinator_61 (A3), Saintus_54 (A8), Salz_58 (A11), SarahRose_39 (BD1), Saskia_60 (A11), SaturnRing_59 (A3), Scamp_55 (A4), Scorpia_58 (A5), Scout_58 (A3), SemperFi_60 (A2), SenorClean_55 (A4), Serenity_60 (A2), Severus_54 (A10), Shaka_55 (A4), Sham4_59 (A11), Shapes_59 (A10), SheaKeira_57 (A9), Sheen_57 (A7), SheldonCooper_56 (A4), Shuman_48 (CA), Shygu2_54 (A4), Sknot_59 (A2), Smeadley_59 (A8), Smeagan_62 (A2), SmellyB_60 (A6), SnapTap_59 (A2), Snape_59 (A11), Snickers_62 (A3), Snorlax_39 (BD1), SoYo_62 (A3), SoilDragon_62 (A3), SororFago_60 (A14), Soshari_64 (A3), Soups_66 (A15), South40_39 (BD1), Sparxx_56 (A4), Spike509_62 (A3), Spino_54 (A4), Spouty_59 (A9), StCroix_47 (CA), Stagni_62 (A3), StarStuff_61 (A2), Stasia_54 (A4), SteMason_54 (A4), Steamy_55 (A12), Stella_61 (BF), StepMih_62 (A3), StepHig9_59 (A8), Stink_53 (A4), Strosahl_66 (A15), Sultana_55 (A4), SuperAwesome_60 (A6), SuperCallie99_58 (A6), Superchunk_57 (A2), Swann_48 (CA), SweetiePie_59 (A2), SwirlSquare_62 (A2), Swirley_55 (A5), SydNat_56 (A5), TNguyen7_59 (A3), TWAMP_48 (CA), TagePhighter_41 (BD1), Takoda_48 (CA), Taquarus_55 (A4), Tarynearl_51 (A5), Taurus_63 (A3), Temprado_62 (A6), Terrific_61 (A2), Texage_56 (A3), Thanksgivukkah_54 (A4), Theia_52 (A5), Tiffany_61 (A3), Tiger_52 (A5), Timothy_59 (A11), TinaFeyge_54 (A4), TinyPebbles_61 (A3), TinyTimmy_59 (A11), Tinybot_54

(A4), TopsytheTRex_56 (A2), TiroTheta9_55 (A4), Toaka_59 (A9), Todacoro_57 (A3), Tomathan_61 (A2), ToneTone_58 (A6), Topanga_53 (A10), ToriToki_58 (BF), Toro_59 (A7), Travvers_61 (A2), Treat_58 (BF), Trike_54 (A10), Triste_39 (BD1), Trixie_57 (A2), TroyPia_56 (A4), Tubs_59 (A9), Tucker_61 (A6), Turbido_60 (A2), Twigg_53 (A5), Twister_54 (A10), TygerBlood_55 (A4), Ugenie5_56 (A9), UhSalsa_48 (CA), Ulysses_54 (A4), UnionJack_55 (A5), Updawg_60 (A2), VC3_62 (A2), Vanisoa_59 (A9), Veracruz_56 (A3), Vix_61 (A3), VohminGhazi_60 (A6), Vorvolakos_58 (BF), WRightOn_61 (BF), Waits_66 (A15), WalterMcMickey_54 (A10), Wander_55 (A4), Warrior24_68 (A15), Watson_62 (A3), WeiHuaDA_60 (A2), Werner_39 (BD1), Whabigail7_60 (A2), WideWale_60 (A2), Wiks_60 (A6), Wilbur_55 (A4), Wile_54 (A4), Wizard007_55 (A4), Wooldri_64 (A3), WorldCup_58 (A9), WunderPhul_61 (A6), Xena_53 (A4), XianYue_57 (A2), Yecey3_60 (A9), YoSam321_55 (A4), Yogi_47 (CA), Yokurt_61 (A6), Yoncess_47 (CA), Zaka_61 (A6), Zarafa_58 (A3), Zeigle_57 (BF), Zetzy_61 (A3), Zimmer_56 (A12), Zolita_55 (A5), ZooBear_58 (BF), Zulu_62 (A6),

Start 10:

- Found in 3 of 889 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 796
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anon_64 (A15), Elle_60 (A15), Nedarya_62 (A15),

Start 11:

- Found in 40 of 889 (4.5%) of genes in pham
- No Manual Annotations of this start.
- Called 2.5% of time when present
- Phage (with cluster) where this start called: RunningOnE_40 (UNK),

Start 12:

- Found in 57 of 889 (6.4%) of genes in pham
- Manual Annotations of this start: 44 of 796
- Called 94.7% of time when present
- Phage (with cluster) where this start called: ATCC29399BC_30 (BU), ATCC29399BT_30 (BU), Aquarius_30 (BU), Attacne_30 (BU), BruceLethal_30 (BU), Cota_30 (BU), DrParker_30 (BU), Enochoraptor_30 (BU), Enoki_30 (BU), Keiki_30 (BU), Kubed_30 (BU), Lauchelly_30 (BU), Leviosa_30 (BU), LilBandit_30 (BU), MEAK_30 (BU), Moyashi_30 (BU), MrAK_30 (BU), Ouroboros_30 (BU), P1.1_30 (BU), P100.1_30 (BU), P100A_30 (BU), P100D_30 (BU), P101A_30 (BU), P104A_30 (BU), P104B_30 (BU), P105_30 (BU), P106A_30 (BU), P106C_31 (BU), P106I_30 (BU), P106L_30 (BU), P106M_30 (BU), P107A_30 (BU), P107C_30 (BU), P108C_30 (BU), P14.4_30 (BU), P9.1_30 (BU), PA6_31 (BU), PAD20_31 (BU), PAS50_31 (BU), PHL060L00_30 (BU), PHL067M10_30 (BU), PHL071N05_30 (BU), PHL111M01_30 (BU), PHL112N00_30 (BU), PHL113M01_30 (BU), PHL114L00_30 (BU), Pirate_30 (BU), Procrass1_30 (BU), QueenBey_30 (BU), SKKY_30 (BU), Solid_30 (BU), Stormborn_30 (BU), Supernova_30 (BU), Wizzo_30 (BU),

Start 13:

- Found in 29 of 889 (3.3%) of genes in pham
- Manual Annotations of this start: 28 of 796
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AFIS_52 (A1), Anglerfish_56 (A1), Arcanine_56 (A1), Atkinbua_58 (A1), Big3_54 (A1), Burton_55 (A1), Chanagan_51

(A1), ConceptII_57 (A1), Espresso_54 (A1), Euphoria_52 (A1), GageAP_55 (A1), Gandalf20_57 (A1), HermioneGrange_55 (A1), Jerm2_56 (A1), KBG_55 (A1), Lopton_55 (A1), Manatee_56 (A1), MrGordo_54 (A1), NEHalo_53 (A1), Ohno789_56 (A1), PSullivan_55 (A1), PattyP_55 (A1), Pita2_58 (A1), Raid_55 (A1), Rajelicia_55 (A1), Rohr_56 (A1), Swole_56 (A1), Tote_51 (A1), Watermelon_55 (A1),

Start 15:

- Found in 46 of 889 (5.2%) of genes in pham
- Manual Annotations of this start: 1 of 796
- Called 4.3% of time when present
- Phage (with cluster) where this start called: Ravana_69 (A15), ShayRa_66 (A15),

Start 16:

- Found in 2 of 889 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 796
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Ponzi_29 (singleton),

Start 19:

- Found in 16 of 889 (1.8%) of genes in pham
- Manual Annotations of this start: 1 of 796
- Called 6.2% of time when present
- Phage (with cluster) where this start called: Bimmel_27 (BT),

Start 22:

- Found in 41 of 889 (4.6%) of genes in pham
- Manual Annotations of this start: 37 of 796
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abrogate_540 (A1), Acme_56 (A1), BaconJack_57 (A1), BigPaolini_54 (A1), Blue_54 (A1), Bob3_53 (A1), Buttons_53 (A1), Carlyle_53 (A1), DrFeelGood_52 (A1), Eyeball_56 (A1), Gwendoluna_58 (A1), Inyanga_51 (A1), Iqorha_51 (A1), Kugel_55 (A1), KyMonks1A_57 (A1), Kykar_54 (A1), Lesedi_51 (A1), MPlant7149_53 (A1), Magnar_54 (A1), Magnito_53 (A1), Mkhuseleli_53 (A1), Molly_56 (A1), Naira_57 (A1), Norz_56 (A1), Pari_57 (A1), Perseus_55 (A1), Petruccio_54 (A1), RidgeCB_54 (A1), Rufus_56 (A1), Sagefire_57 (A1), Seanderson_56 (A1), ShortQueendom_49 (A1), Sibs6_57 (A1), Squee_55 (A1), Sunshine924_56 (A1), TheloniousMonk_55 (A1), Traft412_57 (A1), Trouble_57 (A1), Violet_53 (A1), Zephyr_55 (A1), Zeuska_53 (A1),

Start 23:

- Found in 610 of 889 (68.6%) of genes in pham
- Manual Annotations of this start: 19 of 796
- Called 4.8% of time when present
- Phage (with cluster) where this start called: Bactobuster_57 (A2), Battleship_68 (A15), BengiVuitton_60 (A2), BiancaTri92_59 (A2), Calvinny_62 (A3), ClownCar_62 (A3), DeerParkTS_57 (A2), EZMoney23_56 (A2), Epsocamisio_63 (A15), Gratitude_58 (A2), HippoHollow_59 (A2), Insomnia_60 (A11), IronMan_58 (A2), Iwokeuplikedis_61 (A2), Jaan_59 (A2), Kimba_59 (A11), LadyBird_64 (A2), Landor_59 (A2), Leogania_59 (A2), LionsBait_61 (A2), Loser_61 (A2), Oofda_67 (A15), P28Green_63 (A3), Phaded_59 (A2), Priamo_62 (A6), Prudy_57 (A2), Switzerland_65 (A15), Trooper_60 (A2), Wolpertinger_58 (A11),

Start 24:

- Found in 45 of 889 (5.1%) of genes in pham
- No Manual Annotations of this start.
- Called 4.4% of time when present
- Phage (with cluster) where this start called: Jhitchelle_40 (BD3), SunkenRoot_41 (BD3),

Start 26:

- Found in 28 of 889 (3.1%) of genes in pham
- No Manual Annotations of this start.
- Called 3.6% of time when present
- Phage (with cluster) where this start called: Quokka_58 (A2),

Start 29:

- Found in 14 of 889 (1.6%) of genes in pham
- No Manual Annotations of this start.
- Called 7.1% of time when present
- Phage (with cluster) where this start called: Hanray_57 (A9),

Summary by clusters:

There are 31 clusters represented in this pham: BF, singleton, BT, BU, BD1, A15, A14, A16, A11, A10, A13, A12, A19, A18, A1, BD4, A3, A2, A5, A4, BD3, A6, A9, A8, A7, CA, BD2, UNK, A20, A22, BD6,

Info for manual annotations of cluster A1:

- Start number 13 was manually annotated 28 times for cluster A1.
- Start number 22 was manually annotated 37 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 9 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 9 was manually annotated 23 times for cluster A11.
- Start number 23 was manually annotated 1 time for cluster A11.

Info for manual annotations of cluster A12:

- Start number 9 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 9 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 9 was manually annotated 16 times for cluster A15.
- Start number 10 was manually annotated 2 times for cluster A15.
- Start number 15 was manually annotated 1 time for cluster A15.
- Start number 23 was manually annotated 4 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 9 was manually annotated 2 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 9 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 9 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 9 was manually annotated 81 times for cluster A2.
- Start number 23 was manually annotated 12 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 9 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 9 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 9 was manually annotated 113 times for cluster A3.
- Start number 23 was manually annotated 1 time for cluster A3.

Info for manual annotations of cluster A4:

- Start number 9 was manually annotated 137 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 9 was manually annotated 36 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 9 was manually annotated 43 times for cluster A6.
- Start number 23 was manually annotated 1 time for cluster A6.

Info for manual annotations of cluster A7:

- Start number 9 was manually annotated 2 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 9 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 9 was manually annotated 24 times for cluster A9.

Info for manual annotations of cluster BD1:

- Start number 7 was manually annotated 24 times for cluster BD1.
- Start number 9 was manually annotated 15 times for cluster BD1.

Info for manual annotations of cluster BD2:

- Start number 6 was manually annotated 33 times for cluster BD2.

Info for manual annotations of cluster BD3:

- Start number 7 was manually annotated 12 times for cluster BD3.

Info for manual annotations of cluster BD4:

- Start number 9 was manually annotated 2 times for cluster BD4.

Info for manual annotations of cluster BD6:

- Start number 7 was manually annotated 1 time for cluster BD6.
- Start number 9 was manually annotated 1 time for cluster BD6.

Info for manual annotations of cluster BF:

- Start number 9 was manually annotated 23 times for cluster BF.

Info for manual annotations of cluster BT:

- Start number 8 was manually annotated 2 times for cluster BT.
- Start number 19 was manually annotated 1 time for cluster BT.

Info for manual annotations of cluster BU:

- Start number 4 was manually annotated 1 time for cluster BU.
- Start number 12 was manually annotated 44 times for cluster BU.

Info for manual annotations of cluster CA:

- Start number 9 was manually annotated 31 times for cluster CA.

Gene Information:

Gene: ACFishhook_61 Start: 38856, Stop: 38197, Start Num: 9

Candidate Starts for ACFishhook_61:

(Start: 9 @38856 has 590 MA's), (Start: 23 @38763 has 19 MA's), (33, 38709), (36, 38697), (39, 38670), (58, 38550), (74, 38442), (77, 38424), (78, 38418), (89, 38325), (93, 38307), (100, 38271), (105, 38253), (107, 38241),

Gene: AFIS_52 Start: 38222, Stop: 37578, Start Num: 13

Candidate Starts for AFIS_52:

(Start: 13 @38222 has 28 MA's), (30, 38099), (39, 38048), (41, 38036), (56, 37955), (61, 37907), (66, 37886), (67, 37868), (77, 37808), (85, 37742), (89, 37709), (93, 37691), (100, 37655), (107, 37625),

Gene: AN9_62 Start: 39337, Stop: 38705, Start Num: 9

Candidate Starts for AN9_62:

(Start: 9 @39337 has 590 MA's), (Start: 23 @39244 has 19 MA's), (36, 39190), (39, 39163), (44, 39133), (58, 39055), (59, 39049), (67, 38989), (80, 38908), (85, 38863), (89, 38830), (93, 38812), (100, 38776),

Gene: ANI8_62 Start: 39337, Stop: 38705, Start Num: 9

Candidate Starts for ANI8_62:

(Start: 9 @39337 has 590 MA's), (Start: 23 @39244 has 19 MA's), (36, 39190), (39, 39163), (44, 39133), (58, 39055), (59, 39049), (67, 38989), (80, 38908), (85, 38863), (89, 38830), (93, 38812), (100, 38776),

Gene: ATCC29399BC_30 Start: 21324, Stop: 20653, Start Num: 12

Candidate Starts for ATCC29399BC_30:

(Start: 12 @21324 has 44 MA's), (50, 21072), (62, 20979), (65, 20970), (67, 20949), (73, 20913), (91, 20784), (98, 20742), (110, 20685), (113, 20664),

Gene: ATCC29399BT_30 Start: 21324, Stop: 20653, Start Num: 12

Candidate Starts for ATCC29399BT_30:

(Start: 12 @21324 has 44 MA's), (50, 21072), (62, 20979), (65, 20970), (67, 20949), (73, 20913), (91, 20784), (98, 20742), (110, 20685), (113, 20664),

Gene: AbbyPaige_61 Start: 39407, Stop: 38775, Start Num: 9

Candidate Starts for AbbyPaige_61:

(Start: 9 @39407 has 590 MA's), (Start: 23 @39314 has 19 MA's), (36, 39260), (44, 39203), (59, 39119), (67, 39059), (77, 38999), (85, 38933), (89, 38900), (100, 38846),

Gene: AbbysRanger_54 Start: 38106, Stop: 37447, Start Num: 9

Candidate Starts for AbbysRanger_54:

(Start: 9 @38106 has 590 MA's), (Start: 23 @38013 has 19 MA's), (27, 37995), (33, 37959), (36, 37947), (39, 37920), (42, 37905), (58, 37800), (77, 37674), (80, 37653), (81, 37638), (93, 37557), (100, 37521), (114, 37455),

Gene: Abdiel_55 Start: 38140, Stop: 37481, Start Num: 9

Candidate Starts for Abdiel_55:

(Start: 9 @38140 has 590 MA's), (Start: 23 @38047 has 19 MA's), (27, 38029), (33, 37993), (36, 37981), (39, 37954), (42, 37939), (58, 37834), (77, 37708), (78, 37702), (80, 37687), (81, 37672), (93, 37591), (98, 37564), (100, 37555), (114, 37489),

Gene: Abrogate_540 Start: 40093, Stop: 39515, Start Num: 22

Candidate Starts for Abrogate_540:

(Start: 22 @40093 has 37 MA's), (30, 40036), (36, 40012), (39, 39985), (41, 39973), (49, 39925), (71, 39775), (85, 39679), (86, 39676), (89, 39646), (93, 39628), (100, 39592), (107, 39562),

Gene: Achebe_53 Start: 38089, Stop: 37430, Start Num: 9

Candidate Starts for Achebe_53:

(Start: 9 @38089 has 590 MA's), (Start: 23 @37996 has 19 MA's), (27, 37978), (33, 37942), (36, 37930), (39, 37903), (42, 37888), (58, 37783), (77, 37657), (80, 37636), (81, 37621), (93, 37540), (100, 37504), (114, 37438),

Gene: Acme_56 Start: 38690, Stop: 38112, Start Num: 22

Candidate Starts for Acme_56:

(Start: 22 @38690 has 37 MA's), (30, 38633), (36, 38609), (39, 38582), (41, 38570), (49, 38522), (71, 38372), (85, 38276), (86, 38273), (89, 38243), (93, 38225), (100, 38189), (107, 38159),

Gene: Acolyte_54 Start: 38229, Stop: 37597, Start Num: 9

Candidate Starts for Acolyte_54:

(Start: 9 @38229 has 590 MA's), (Start: 23 @38136 has 19 MA's), (36, 38082), (39, 38055), (44, 38025), (58, 37947), (59, 37941), (67, 37881), (80, 37800), (100, 37668), (107, 37638), (108, 37635),

Gene: Adzzy_60 Start: 37879, Stop: 37247, Start Num: 9

Candidate Starts for Adzzy_60:

(Start: 9 @37879 has 590 MA's), (Start: 23 @37786 has 19 MA's), (36, 37732), (39, 37705), (44, 37675), (58, 37597), (74, 37489), (79, 37456), (80, 37450), (81, 37435), (85, 37405), (88, 37396), (89, 37372), (93, 37354), (100, 37318),

Gene: Agape74_61 Start: 39401, Stop: 38769, Start Num: 9

Candidate Starts for Agape74_61:

(Start: 9 @39401 has 590 MA's), (Start: 23 @39308 has 19 MA's), (36, 39254), (44, 39197), (59, 39113), (67, 39053), (77, 38993), (85, 38927), (89, 38894), (100, 38840),

Gene: AgentM_52 Start: 38130, Stop: 37471, Start Num: 9

Candidate Starts for AgentM_52:

(Start: 9 @38130 has 590 MA's), (Start: 23 @38037 has 19 MA's), (27, 38019), (33, 37977), (36, 37965), (39, 37938), (41, 37926), (67, 37764), (78, 37698), (81, 37668), (85, 37638), (87, 37632), (89,

37605), (93, 37587), (98, 37560), (100, 37551), (105, 37533), (107, 37521), (108, 37518),

Gene: Aglet_63 Start: 38899, Stop: 38240, Start Num: 9

Candidate Starts for Aglet_63:

(Start: 9 @38899 has 590 MA's), (Start: 23 @38806 has 19 MA's), (33, 38752), (36, 38740), (39, 38713), (58, 38593), (74, 38485), (77, 38467), (78, 38461), (93, 38350), (100, 38314), (105, 38296), (107, 38284),

Gene: AgronaGT15_61 Start: 38747, Stop: 38088, Start Num: 9

Candidate Starts for AgronaGT15_61:

(Start: 9 @38747 has 590 MA's), (Start: 23 @38654 has 19 MA's), (33, 38600), (36, 38588), (39, 38561), (58, 38441), (74, 38333), (77, 38315), (78, 38309), (93, 38198), (100, 38162), (105, 38144), (107, 38132),

Gene: Airmid_54 Start: 38274, Stop: 37612, Start Num: 9

Candidate Starts for Airmid_54:

(Start: 9 @38274 has 590 MA's), (Start: 23 @38181 has 19 MA's), (27, 38163), (33, 38121), (36, 38109), (39, 38082), (41, 38070), (42, 38067), (67, 37905), (78, 37839), (80, 37824), (81, 37809), (85, 37779), (87, 37773), (89, 37746), (93, 37728), (98, 37701), (100, 37692), (105, 37674), (107, 37662), (108, 37659),

Gene: Alatin_47 Start: 35347, Stop: 34688, Start Num: 9

Candidate Starts for Alatin_47:

(Start: 9 @35347 has 590 MA's), (28, 35224), (36, 35188), (39, 35161), (44, 35131), (49, 35101), (50, 35098), (51, 35092), (58, 35041), (65, 34996), (67, 34975), (77, 34915), (78, 34909), (105, 34744), (108, 34729),

Gene: Albee_55 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for Albee_55:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Alberto7_56 Start: 38476, Stop: 37817, Start Num: 9

Candidate Starts for Alberto7_56:

(Start: 9 @38476 has 590 MA's), (Start: 23 @38383 has 19 MA's), (27, 38365), (33, 38329), (36, 38317), (39, 38290), (42, 38275), (58, 38170), (77, 38044), (78, 38038), (80, 38023), (81, 38008), (93, 37927), (98, 37900), (100, 37891), (114, 37825),

Gene: Aliter_59 Start: 38782, Stop: 38153, Start Num: 9

Candidate Starts for Aliter_59:

(Start: 9 @38782 has 590 MA's), (Start: 23 @38689 has 19 MA's), (29, 38665), (36, 38641), (39, 38614), (42, 38599), (58, 38503), (59, 38497), (65, 38458), (67, 38437), (78, 38371), (85, 38311), (89, 38278), (100, 38224),

Gene: Alpacados_47 Start: 35249, Stop: 34590, Start Num: 9

Candidate Starts for Alpacados_47:

(Start: 9 @35249 has 590 MA's), (28, 35126), (36, 35090), (39, 35063), (44, 35033), (49, 35003), (50, 35000), (51, 34994), (58, 34943), (65, 34898), (67, 34877), (78, 34811), (105, 34646), (108, 34631),

Gene: Alsaber_41 Start: 29707, Stop: 30372, Start Num: 7

Candidate Starts for Alsaber_41:

(Start: 7 @29707 has 37 MA's), (Start: 9 @29722 has 590 MA's), (50, 29950), (58, 30007), (59, 30013), (61, 30034), (62, 30043), (71, 30103), (72, 30106), (74, 30115), (82, 30178), (85, 30199), (99, 30280), (104, 30301),

Gene: Alvy_42 Start: 29365, Stop: 30027, Start Num: 6

Candidate Starts for Alvy_42:

(2, 29038), (3, 29095), (Start: 6 @29365 has 33 MA's), (17, 29413), (24, 29476), (41, 29566), (50, 29611), (61, 29695), (80, 29815), (82, 29839), (99, 29941), (106, 29974),

Gene: Amela_40 Start: 30514, Stop: 31179, Start Num: 7

Candidate Starts for Amela_40:

(Start: 7 @30514 has 37 MA's), (Start: 9 @30529 has 590 MA's), (24, 30622), (50, 30757), (58, 30814), (59, 30820), (61, 30841), (62, 30850), (71, 30910), (74, 30922), (82, 30985), (99, 31087), (104, 31108),

Gene: Amethyst_39 Start: 28730, Stop: 29392, Start Num: 6

Candidate Starts for Amethyst_39:

(2, 28406), (3, 28463), (Start: 6 @28730 has 33 MA's), (17, 28778), (24, 28841), (41, 28931), (50, 28976), (61, 29060), (80, 29180), (82, 29204), (85, 29225), (99, 29306), (104, 29324), (106, 29339), (112, 29372),

Gene: Anaysia_66 Start: 38505, Stop: 37873, Start Num: 9

Candidate Starts for Anaysia_66:

(Start: 9 @38505 has 590 MA's), (Start: 15 @38487 has 1 MA's), (Start: 23 @38412 has 19 MA's), (39, 38334), (42, 38319), (44, 38304), (64, 38184), (65, 38181), (76, 38109), (80, 38079), (89, 38001), (100, 37947),

Gene: Andris_39 Start: 28789, Stop: 29460, Start Num: 6

Candidate Starts for Andris_39:

(Start: 6 @28789 has 33 MA's), (17, 28837), (21, 28873), (31, 28930), (41, 28990), (50, 29035), (53, 29050), (61, 29119), (80, 29239), (82, 29263), (85, 29284), (99, 29365), (111, 29419),

Gene: Aneem_60 Start: 38660, Stop: 38013, Start Num: 9

Candidate Starts for Aneem_60:

(Start: 9 @38660 has 590 MA's), (Start: 23 @38567 has 19 MA's), (36, 38513), (39, 38486), (44, 38456), (59, 38360), (67, 38300), (78, 38234), (80, 38219), (85, 38174), (88, 38165), (89, 38141), (100, 38087), (108, 38054),

Gene: Anglerfish_56 Start: 40119, Stop: 39475, Start Num: 13

Candidate Starts for Anglerfish_56:

(Start: 13 @40119 has 28 MA's), (30, 39996), (39, 39945), (41, 39933), (61, 39804), (66, 39783), (67, 39765), (85, 39639), (89, 39606), (93, 39588), (100, 39552), (107, 39522),

Gene: AngryOrchard_46 Start: 35409, Stop: 34750, Start Num: 9

Candidate Starts for AngryOrchard_46:

(Start: 9 @35409 has 590 MA's), (28, 35286), (36, 35250), (39, 35223), (44, 35193), (49, 35163), (50, 35160), (51, 35154), (58, 35103), (65, 35058), (77, 34977), (78, 34971), (105, 34806), (108, 34791),

Gene: Animus_39 Start: 29205, Stop: 29864, Start Num: 6

Candidate Starts for Animus_39:

(Start: 6 @29205 has 33 MA's), (17, 29253), (24, 29316), (41, 29406), (61, 29535), (80, 29655), (82, 29679), (85, 29700), (99, 29781),

Gene: Annyong_55 Start: 38184, Stop: 37525, Start Num: 9

Candidate Starts for Annyong_55:

(Start: 9 @38184 has 590 MA's), (Start: 23 @38091 has 19 MA's), (27, 38073), (33, 38037), (36, 38025), (39, 37998), (42, 37983), (58, 37878), (77, 37752), (78, 37746), (80, 37731), (81, 37716), (93, 37635), (98, 37608), (100, 37599), (114, 37533),

Gene: Anon_64 Start: 38266, Stop: 37637, Start Num: 10

Candidate Starts for Anon_64:

(Start: 10 @38266 has 2 MA's), (Start: 23 @38176 has 19 MA's), (36, 38125), (39, 38098), (44, 38068), (58, 37990), (59, 37984), (80, 37843), (85, 37798), (88, 37789), (100, 37711),

Gene: Anselm_60 Start: 39308, Stop: 38676, Start Num: 9

Candidate Starts for Anselm_60:

(Start: 9 @39308 has 590 MA's), (Start: 23 @39215 has 19 MA's), (36, 39161), (44, 39104), (59, 39020), (67, 38960), (77, 38900), (85, 38834), (89, 38801), (100, 38747),

Gene: Anthony_56 Start: 37074, Stop: 36427, Start Num: 9

Candidate Starts for Anthony_56:

(Start: 9 @37074 has 590 MA's), (Start: 23 @36981 has 19 MA's), (30, 36939), (33, 36927), (36, 36915), (49, 36828), (50, 36825), (58, 36780), (71, 36684), (89, 36555), (96, 36525), (112, 36444),

Gene: Anubis_65 Start: 38785, Stop: 38126, Start Num: 9

Candidate Starts for Anubis_65:

(Start: 9 @38785 has 590 MA's), (Start: 23 @38692 has 19 MA's), (33, 38638), (36, 38626), (39, 38599), (58, 38479), (74, 38371), (77, 38353), (78, 38347), (93, 38236), (100, 38200), (105, 38182), (107, 38170),

Gene: AppleCloud_45 Start: 35074, Stop: 34415, Start Num: 9

Candidate Starts for AppleCloud_45:

(Start: 9 @35074 has 590 MA's), (28, 34951), (36, 34915), (39, 34888), (44, 34858), (49, 34828), (50, 34825), (51, 34819), (58, 34768), (65, 34723), (67, 34702), (78, 34636), (105, 34471), (108, 34456),

Gene: Aquarius_30 Start: 20797, Stop: 20126, Start Num: 12

Candidate Starts for Aquarius_30:

(Start: 12 @20797 has 44 MA's), (44, 20584), (50, 20545), (62, 20452), (65, 20443), (71, 20392), (91, 20257), (98, 20215), (110, 20158), (113, 20137),

Gene: Aragog_52 Start: 38150, Stop: 37491, Start Num: 9

Candidate Starts for Aragog_52:

(Start: 9 @38150 has 590 MA's), (Start: 23 @38057 has 19 MA's), (27, 38039), (33, 37997), (36, 37985), (39, 37958), (41, 37946), (67, 37784), (78, 37718), (81, 37688), (85, 37658), (87, 37652), (89, 37625), (93, 37607), (98, 37580), (100, 37571), (105, 37553), (107, 37541), (108, 37538),

Gene: Arcanine_56 Start: 39739, Stop: 39092, Start Num: 13

Candidate Starts for Arcanine_56:

(Start: 13 @39739 has 28 MA's), (30, 39616), (39, 39565), (41, 39553), (61, 39424), (66, 39403), (67, 39385), (85, 39259), (86, 39256), (89, 39226), (93, 39208), (100, 39172), (107, 39139), (108, 39136),

Gene: ArcherNM_54 Start: 38767, Stop: 38135, Start Num: 9

Candidate Starts for ArcherNM_54:

(Start: 9 @38767 has 590 MA's), (Start: 23 @38674 has 19 MA's), (32, 38638), (36, 38620), (44, 38563), (58, 38485), (59, 38479), (65, 38440), (67, 38419), (80, 38338), (85, 38293), (89, 38260), (93, 38242), (100, 38206),

Gene: Archetta_52 Start: 38560, Stop: 37901, Start Num: 9

Candidate Starts for Archetta_52:

(Start: 9 @38560 has 590 MA's), (Start: 23 @38467 has 19 MA's), (27, 38449), (33, 38407), (36, 38395), (39, 38368), (41, 38356), (67, 38194), (78, 38128), (81, 38098), (85, 38068), (87, 38062), (89, 38035), (93, 38017), (98, 37990), (100, 37981), (105, 37963), (107, 37951), (108, 37948),

Gene: Arissanae_58 Start: 39470, Stop: 38844, Start Num: 9

Candidate Starts for Arissanae_58:

(Start: 9 @39470 has 590 MA's), (Start: 19 @39434 has 1 MA's), (Start: 23 @39377 has 19 MA's), (36, 39329), (39, 39302), (44, 39272), (58, 39194), (59, 39188), (67, 39128), (74, 39086), (80, 39047), (85, 39002), (89, 38969), (100, 38915),

Gene: Artemis2UCLA_61 Start: 37835, Stop: 37203, Start Num: 9

Candidate Starts for Artemis2UCLA_61:

(Start: 9 @37835 has 590 MA's), (Start: 23 @37742 has 19 MA's), (36, 37688), (44, 37631), (59, 37547), (67, 37487), (85, 37361), (89, 37328), (93, 37310), (100, 37274), (105, 37256), (107, 37244), (108, 37241),

Gene: Arturo_54 Start: 38378, Stop: 37719, Start Num: 9

Candidate Starts for Arturo_54:

(Start: 9 @38378 has 590 MA's), (Start: 23 @38285 has 19 MA's), (27, 38267), (33, 38231), (36, 38219), (39, 38192), (42, 38177), (58, 38072), (77, 37946), (78, 37940), (80, 37925), (81, 37910), (93, 37829), (100, 37793), (114, 37727),

Gene: Astro_59 Start: 38151, Stop: 37498, Start Num: 9

Candidate Starts for Astro_59:

(Start: 9 @38151 has 590 MA's), (Start: 23 @38058 has 19 MA's), (33, 37998), (36, 37986), (39, 37959), (48, 37902), (58, 37851), (59, 37845), (80, 37704), (81, 37689), (85, 37659), (89, 37626), (105, 37554), (106, 37545), (108, 37539), (112, 37515),

Gene: Atkinbua_58 Start: 39682, Stop: 39038, Start Num: 13

Candidate Starts for Atkinbua_58:

(Start: 13 @39682 has 28 MA's), (30, 39559), (39, 39508), (41, 39496), (49, 39448), (65, 39349), (71, 39298), (85, 39202), (86, 39199), (89, 39169), (93, 39151), (100, 39115), (107, 39085),

Gene: Attacne_30 Start: 20812, Stop: 20141, Start Num: 12

Candidate Starts for Attacne_30:

(Start: 12 @20812 has 44 MA's), (44, 20599), (50, 20560), (62, 20467), (65, 20458), (71, 20407), (91, 20272), (98, 20230), (110, 20173), (113, 20152),

Gene: AugsMagnumOpus_65 Start: 38890, Stop: 38231, Start Num: 9

Candidate Starts for AugsMagnumOpus_65:

(Start: 9 @38890 has 590 MA's), (Start: 23 @38797 has 19 MA's), (33, 38743), (36, 38731), (39, 38704), (58, 38584), (74, 38476), (77, 38458), (78, 38452), (93, 38341), (100, 38305), (105, 38287), (107, 38275),

Gene: AvatarAhPeg_53 Start: 37891, Stop: 37232, Start Num: 9

Candidate Starts for AvatarAhPeg_53:

(Start: 9 @37891 has 590 MA's), (Start: 23 @37798 has 19 MA's), (27, 37780), (33, 37744), (36, 37732), (39, 37705), (42, 37690), (58, 37585), (77, 37459), (80, 37438), (81, 37423), (93, 37342), (98, 37315), (100, 37306), (114, 37240),

Gene: Avle17_55 Start: 38136, Stop: 37477, Start Num: 9

Candidate Starts for Avle17_55:

(Start: 9 @38136 has 590 MA's), (Start: 23 @38043 has 19 MA's), (27, 38025), (33, 37989), (36, 37977), (39, 37950), (42, 37935), (58, 37830), (77, 37704), (80, 37683), (81, 37668), (93, 37587), (98, 37560), (100, 37551), (114, 37485),

Gene: Axiom_40 Start: 28951, Stop: 29613, Start Num: 6

Candidate Starts for Axiom_40:

(1, 28507), (2, 28624), (3, 28681), (Start: 6 @28951 has 33 MA's), (17, 28999), (20, 29014), (21, 29035), (24, 29062), (41, 29152), (50, 29197), (61, 29281), (80, 29401), (82, 29425), (99, 29527), (104, 29545),

Gene: Ayanochan_60 Start: 38940, Stop: 38311, Start Num: 9

Candidate Starts for Ayanochan_60:

(Start: 9 @38940 has 590 MA's), (Start: 23 @38847 has 19 MA's), (29, 38823), (36, 38799), (39, 38772), (42, 38757), (58, 38661), (59, 38655), (65, 38616), (67, 38595), (78, 38529), (85, 38469), (89, 38436), (100, 38382),

Gene: B1_52 Start: 36726, Stop: 36064, Start Num: 9

Candidate Starts for B1_52:

(Start: 9 @36726 has 590 MA's), (Start: 23 @36633 has 19 MA's), (33, 36579), (36, 36567), (39, 36540), (42, 36525), (50, 36477), (58, 36420), (66, 36372), (74, 36312), (77, 36294), (78, 36288), (80, 36273), (81, 36258), (85, 36228), (93, 36177), (100, 36141), (105, 36123), (114, 36075),

Gene: BABullseye_53 Start: 35387, Stop: 34755, Start Num: 9

Candidate Starts for BABullseye_53:

(Start: 9 @35387 has 590 MA's), (Start: 23 @35294 has 19 MA's), (36, 35240), (44, 35183), (58, 35105), (67, 35039), (80, 34958), (85, 34913), (89, 34880), (93, 34862), (100, 34826), (107, 34796), (108, 34793),

Gene: Baby16_55 Start: 38150, Stop: 37491, Start Num: 9

Candidate Starts for Baby16_55:

(Start: 9 @38150 has 590 MA's), (Start: 23 @38057 has 19 MA's), (27, 38039), (33, 38003), (36, 37991), (39, 37964), (42, 37949), (58, 37844), (77, 37718), (78, 37712), (80, 37697), (81, 37682), (93, 37601), (98, 37574), (100, 37565), (114, 37499),

Gene: BabyBack_57 Start: 39402, Stop: 38770, Start Num: 9

Candidate Starts for BabyBack_57:

(Start: 9 @39402 has 590 MA's), (Start: 23 @39309 has 19 MA's), (36, 39255), (44, 39198), (58, 39120), (59, 39114), (67, 39054), (78, 38988), (80, 38973), (85, 38928), (89, 38895), (100, 38841),

Gene: BabyJohn_55 Start: 38544, Stop: 37882, Start Num: 9

Candidate Starts for BabyJohn_55:

(Start: 9 @38544 has 590 MA's), (Start: 23 @38451 has 19 MA's), (33, 38397), (36, 38385), (39, 38358), (42, 38343), (50, 38295), (58, 38238), (66, 38190), (74, 38130), (77, 38112), (78, 38106), (80, 38091), (81, 38076), (93, 37995), (100, 37959), (105, 37941), (114, 37893),

Gene: BabyRay_58 Start: 38505, Stop: 37846, Start Num: 9

Candidate Starts for BabyRay_58:

(Start: 9 @38505 has 590 MA's), (Start: 23 @38412 has 19 MA's), (27, 38394), (33, 38358), (36, 38346), (39, 38319), (50, 38256), (58, 38199), (66, 38151), (74, 38091), (77, 38073), (80, 38052), (81, 38037), (93, 37956), (100, 37920), (105, 37902), (114, 37854),

Gene: Bachome_61 Start: 38640, Stop: 37993, Start Num: 9

Candidate Starts for Bachome_61:

(Start: 9 @38640 has 590 MA's), (Start: 23 @38547 has 19 MA's), (36, 38493), (39, 38466), (44, 38436), (59, 38340), (67, 38280), (78, 38214), (80, 38199), (85, 38154), (88, 38145), (89, 38121), (100, 38067), (108, 38034),

Gene: Backyardigan_52 Start: 38122, Stop: 37463, Start Num: 9

Candidate Starts for Backyardigan_52:

(Start: 9 @38122 has 590 MA's), (Start: 23 @38029 has 19 MA's), (27, 38011), (33, 37975), (36, 37963), (39, 37936), (42, 37921), (58, 37816), (77, 37690), (80, 37669), (81, 37654), (93, 37573), (100, 37537), (114, 37471),

Gene: BaconJack_57 Start: 40760, Stop: 40179, Start Num: 22

Candidate Starts for BaconJack_57:

(Start: 22 @40760 has 37 MA's), (30, 40703), (36, 40679), (39, 40652), (41, 40640), (49, 40592), (65, 40493), (71, 40442), (85, 40346), (86, 40343), (89, 40313), (93, 40295), (100, 40259), (107, 40226), (108, 40223),

Gene: Bactobuster_57 Start: 39623, Stop: 39084, Start Num: 23

Candidate Starts for Bactobuster_57:

(Start: 23 @39623 has 19 MA's), (25, 39611), (36, 39569), (39, 39542), (44, 39512), (58, 39434), (59, 39428), (67, 39368), (80, 39287), (85, 39242), (89, 39209), (100, 39155), (107, 39125),

Gene: Badger_53 Start: 38090, Stop: 37431, Start Num: 9

Candidate Starts for Badger_53:

(Start: 9 @38090 has 590 MA's), (Start: 23 @37997 has 19 MA's), (27, 37979), (33, 37943), (36, 37931), (39, 37904), (42, 37889), (58, 37784), (77, 37658), (80, 37637), (81, 37622), (93, 37541), (100, 37505), (114, 37439),

Gene: Baehexic_58 Start: 38879, Stop: 38247, Start Num: 9

Candidate Starts for Baehexic_58:

(Start: 9 @38879 has 590 MA's), (Start: 23 @38786 has 19 MA's), (36, 38732), (44, 38675), (54, 38621), (58, 38597), (59, 38591), (67, 38531), (77, 38471), (80, 38450), (85, 38405), (89, 38372), (100, 38318),

Gene: BangNhom_55 Start: 38542, Stop: 37883, Start Num: 9

Candidate Starts for BangNhom_55:

(Start: 9 @38542 has 590 MA's), (Start: 23 @38449 has 19 MA's), (33, 38395), (36, 38383), (39, 38356), (42, 38341), (58, 38236), (77, 38110), (80, 38089), (81, 38074), (93, 37993), (98, 37966), (100, 37957), (114, 37891),

Gene: BarryBee_42 Start: 28204, Stop: 28854, Start Num: 9

Candidate Starts for BarryBee_42:

(Start: 7 @28189 has 37 MA's), (Start: 9 @28204 has 590 MA's), (11, 28207), (36, 28348), (50, 28432), (58, 28489), (59, 28495), (61, 28516), (69, 28561), (71, 28585), (74, 28597), (76, 28606), (77, 28615), (82, 28660), (85, 28681), (99, 28762), (104, 28783), (112, 28831),

Gene: BartholomewSD_42 Start: 29364, Stop: 30026, Start Num: 6

Candidate Starts for BartholomewSD_42:

(2, 29037), (3, 29094), (Start: 6 @29364 has 33 MA's), (17, 29412), (24, 29475), (41, 29565), (50, 29610), (61, 29694), (80, 29814), (82, 29838), (99, 29940), (106, 29973),

Gene: Bartimeaus_55 Start: 38141, Stop: 37482, Start Num: 9

Candidate Starts for Bartimeaus_55:

(Start: 9 @38141 has 590 MA's), (Start: 23 @38048 has 19 MA's), (27, 38030), (33, 37994), (36, 37982), (39, 37955), (42, 37940), (58, 37835), (77, 37709), (78, 37703), (80, 37688), (81, 37673), (93, 37592), (98, 37565), (100, 37556), (114, 37490),

Gene: Battleship_68 Start: 38618, Stop: 38079, Start Num: 23

Candidate Starts for Battleship_68:

(Start: 9 @38711 has 590 MA's), (Start: 15 @38693 has 1 MA's), (Start: 23 @38618 has 19 MA's), (39, 38540), (42, 38525), (44, 38510), (64, 38390), (65, 38387), (76, 38315), (80, 38285), (89, 38207), (100, 38153),

Gene: BeardedLady_40 Start: 28085, Stop: 28735, Start Num: 9

Candidate Starts for BeardedLady_40:

(Start: 7 @28070 has 37 MA's), (Start: 9 @28085 has 590 MA's), (11, 28088), (36, 28229), (50, 28313), (58, 28370), (59, 28376), (61, 28397), (62, 28406), (69, 28442), (71, 28466), (74, 28478), (76, 28487), (77, 28496), (82, 28541), (99, 28643), (104, 28664), (112, 28712),

Gene: Beauxregard13_62 Start: 38902, Stop: 38243, Start Num: 9

Candidate Starts for Beauxregard13_62:

(Start: 9 @38902 has 590 MA's), (Start: 23 @38809 has 19 MA's), (33, 38755), (36, 38743), (39, 38716), (58, 38596), (74, 38488), (77, 38470), (78, 38464), (93, 38353), (100, 38317), (105, 38299), (107, 38287),

Gene: Belenaria_48 Start: 35222, Stop: 34563, Start Num: 9

Candidate Starts for Belenaria_48:

(Start: 9 @35222 has 590 MA's), (28, 35099), (36, 35063), (39, 35036), (44, 35006), (49, 34976), (50, 34973), (51, 34967), (58, 34916), (65, 34871), (67, 34850), (78, 34784), (105, 34619), (108, 34604),

Gene: Bellris_58 Start: 38615, Stop: 37989, Start Num: 9

Candidate Starts for Bellris_58:

(Start: 9 @38615 has 590 MA's), (Start: 19 @38579 has 1 MA's), (Start: 23 @38522 has 19 MA's), (36, 38474), (39, 38447), (41, 38435), (44, 38417), (58, 38339), (67, 38273), (74, 38231), (77, 38213), (80, 38192), (85, 38147), (89, 38114), (100, 38060),

Gene: BellusTerra_56 Start: 38140, Stop: 37481, Start Num: 9

Candidate Starts for BellusTerra_56:

(Start: 9 @38140 has 590 MA's), (Start: 23 @38047 has 19 MA's), (27, 38029), (33, 37993), (36, 37981), (39, 37954), (42, 37939), (58, 37834), (77, 37708), (78, 37702), (80, 37687), (81, 37672), (93, 37591), (98, 37564), (100, 37555), (114, 37489),

Gene: Benedict_57 Start: 38522, Stop: 37860, Start Num: 9

Candidate Starts for Benedict_57:

(Start: 9 @38522 has 590 MA's), (Start: 23 @38429 has 19 MA's), (27, 38411), (33, 38369), (36, 38357), (39, 38330), (41, 38318), (42, 38315), (67, 38153), (78, 38087), (79, 38078), (81, 38057), (85, 38027), (87, 38021), (89, 37994), (93, 37976), (98, 37949), (100, 37940), (105, 37922), (107, 37910), (108, 37907),

Gene: BengiVuitton_60 Start: 39231, Stop: 38692, Start Num: 23

Candidate Starts for BengiVuitton_60:

(Start: 23 @39231 has 19 MA's), (36, 39177), (44, 39120), (59, 39036), (67, 38976), (78, 38910), (85, 38850), (89, 38817), (93, 38799), (100, 38763),

Gene: BennyP_61 Start: 37905, Stop: 37273, Start Num: 9

Candidate Starts for BennyP_61:

(Start: 9 @37905 has 590 MA's), (Start: 23 @37812 has 19 MA's), (36, 37758), (44, 37701), (59, 37617), (67, 37557), (85, 37431), (89, 37398), (93, 37380), (100, 37344), (105, 37326), (107, 37314), (108, 37311),

Gene: Benvolio_56 Start: 38332, Stop: 37700, Start Num: 9

Candidate Starts for Benvolio_56:

(Start: 9 @38332 has 590 MA's), (Start: 23 @38239 has 19 MA's), (36, 38185), (44, 38128), (59, 38044), (67, 37984), (77, 37924), (85, 37858), (89, 37825), (100, 37771),

Gene: BiancaTri92_59 Start: 39379, Stop: 38840, Start Num: 23

Candidate Starts for BiancaTri92_59:

(Start: 23 @39379 has 19 MA's), (32, 39343), (36, 39325), (39, 39298), (44, 39268), (58, 39190), (59, 39184), (67, 39124), (77, 39064), (80, 39043), (85, 38998), (89, 38965), (100, 38911),

Gene: Big3_54 Start: 39904, Stop: 39257, Start Num: 13

Candidate Starts for Big3_54:

(Start: 13 @39904 has 28 MA's), (30, 39781), (39, 39730), (41, 39718), (56, 39637), (61, 39589), (66, 39568), (67, 39550), (77, 39490), (85, 39424), (89, 39391), (93, 39373), (100, 39337), (107, 39304), (108, 39301),

Gene: BigPaolini_54 Start: 37415, Stop: 36837, Start Num: 22

Candidate Starts for BigPaolini_54:

(Start: 22 @37415 has 37 MA's), (30, 37358), (36, 37334), (39, 37307), (41, 37295), (49, 37247), (65, 37148), (71, 37097), (85, 37001), (86, 36998), (89, 36968), (93, 36950), (100, 36914), (107, 36884),

Gene: Bigflo_62 Start: 38898, Stop: 38239, Start Num: 9

Candidate Starts for Bigflo_62:

(Start: 9 @38898 has 590 MA's), (Start: 23 @38805 has 19 MA's), (33, 38751), (36, 38739), (39, 38712), (58, 38592), (74, 38484), (77, 38466), (78, 38460), (93, 38349), (100, 38313), (105, 38295), (107, 38283),

Gene: Bimmel_27 Start: 18690, Stop: 18031, Start Num: 19

Candidate Starts for Bimmel_27:

(Start: 8 @18732 has 2 MA's), (Start: 19 @18690 has 1 MA's), (43, 18489), (46, 18459), (68, 18315), (77, 18258), (89, 18162), (92, 18153), (100, 18108), (106, 18081),

Gene: Blackmoor_55 Start: 38141, Stop: 37482, Start Num: 9

Candidate Starts for Blackmoor_55:

(Start: 9 @38141 has 590 MA's), (Start: 23 @38048 has 19 MA's), (27, 38030), (33, 37994), (36, 37982), (39, 37955), (42, 37940), (58, 37835), (77, 37709), (78, 37703), (80, 37688), (81, 37673), (93, 37592), (98, 37565), (100, 37556), (114, 37490),

Gene: BlessJoy_61 Start: 38261, Stop: 37629, Start Num: 9

Candidate Starts for BlessJoy_61:

(Start: 9 @38261 has 590 MA's), (Start: 23 @38168 has 19 MA's), (36, 38114), (44, 38057), (59, 37973), (67, 37913), (85, 37787), (89, 37754), (93, 37736), (100, 37700), (105, 37682), (107, 37670), (108, 37667),

Gene: Blinn1_63 Start: 37853, Stop: 37221, Start Num: 9

Candidate Starts for Blinn1_63:

(Start: 9 @37853 has 590 MA's), (Start: 23 @37760 has 19 MA's), (36, 37706), (44, 37649), (58, 37571), (67, 37505), (80, 37424), (85, 37379), (89, 37346), (93, 37328), (100, 37292), (107, 37262), (108, 37259),

Gene: Blue_54 Start: 39850, Stop: 39269, Start Num: 22

Candidate Starts for Blue_54:

(Start: 22 @39850 has 37 MA's), (30, 39793), (36, 39769), (39, 39742), (41, 39730), (49, 39682), (65, 39583), (71, 39532), (85, 39436), (86, 39433), (89, 39403), (93, 39385), (100, 39349), (107, 39316), (108, 39313),

Gene: BlueBird_60 Start: 38549, Stop: 37890, Start Num: 9

Candidate Starts for BlueBird_60:

(Start: 9 @38549 has 590 MA's), (Start: 23 @38456 has 19 MA's), (33, 38402), (36, 38390), (39, 38363), (42, 38348), (50, 38300), (58, 38243), (66, 38195), (77, 38117), (80, 38096), (81, 38081), (93, 38000), (100, 37964), (105, 37946), (114, 37898),

Gene: Bluefalcon_52 Start: 38705, Stop: 38043, Start Num: 9

Candidate Starts for Bluefalcon_52:

(Start: 9 @38705 has 590 MA's), (Start: 23 @38612 has 19 MA's), (27, 38594), (33, 38552), (36, 38540), (39, 38513), (41, 38501), (67, 38336), (78, 38270), (81, 38240), (85, 38210), (87, 38204), (89, 38177), (98, 38132), (100, 38123), (105, 38105), (107, 38093), (108, 38090),

Gene: Bob3_53 Start: 37824, Stop: 37246, Start Num: 22

Candidate Starts for Bob3_53:

(Start: 22 @37824 has 37 MA's), (30, 37767), (36, 37743), (39, 37716), (41, 37704), (49, 37656), (71, 37506), (85, 37410), (86, 37407), (89, 37377), (93, 37359), (100, 37323), (107, 37293),

Gene: BobSwaget_55 Start: 37808, Stop: 37176, Start Num: 9

Candidate Starts for BobSwaget_55:

(Start: 9 @37808 has 590 MA's), (Start: 23 @37715 has 19 MA's), (36, 37661), (39, 37634), (58, 37526), (59, 37520), (67, 37460), (80, 37379), (85, 37334), (89, 37301), (93, 37283), (100, 37247),

Gene: BogosyJay_58 Start: 38871, Stop: 38245, Start Num: 9

Candidate Starts for BogosyJay_58:

(Start: 9 @38871 has 590 MA's), (Start: 23 @38778 has 19 MA's), (36, 38730), (39, 38703), (58, 38595), (67, 38529), (80, 38448), (85, 38403), (100, 38316),

Gene: Bombshell_55 Start: 38136, Stop: 37477, Start Num: 9

Candidate Starts for Bombshell_55:

(Start: 9 @38136 has 590 MA's), (Start: 23 @38043 has 19 MA's), (27, 38025), (33, 37989), (36, 37977), (39, 37950), (42, 37935), (58, 37830), (77, 37704), (78, 37698), (80, 37683), (81, 37668), (93, 37587), (98, 37560), (100, 37551), (114, 37485),

Gene: Bonamassa_53 Start: 38579, Stop: 37920, Start Num: 9

Candidate Starts for Bonamassa_53:

(Start: 9 @38579 has 590 MA's), (Start: 23 @38486 has 19 MA's), (27, 38468), (33, 38426), (36, 38414), (39, 38387), (41, 38375), (67, 38213), (78, 38147), (79, 38138), (81, 38117), (84, 38102), (85, 38087), (87, 38081), (89, 38054), (93, 38036), (98, 38009), (100, 38000), (105, 37982), (107, 37970), (108, 37967),

Gene: Bonanza_48 Start: 35251, Stop: 34592, Start Num: 9

Candidate Starts for Bonanza_48:

(Start: 9 @35251 has 590 MA's), (28, 35128), (36, 35092), (39, 35065), (44, 35035), (49, 35005), (50, 35002), (51, 34996), (58, 34945), (65, 34900), (67, 34879), (78, 34813), (105, 34648), (108, 34633),

Gene: Boohoo_66 Start: 38505, Stop: 37873, Start Num: 9

Candidate Starts for Boohoo_66:

(Start: 9 @38505 has 590 MA's), (Start: 15 @38487 has 1 MA's), (Start: 23 @38412 has 19 MA's), (39, 38334), (42, 38319), (44, 38304), (64, 38184), (65, 38181), (76, 38109), (80, 38079), (89, 38001), (100, 37947),

Gene: Bovely_39 Start: 27838, Stop: 28488, Start Num: 9

Candidate Starts for Bovely_39:

(Start: 7 @27823 has 37 MA's), (Start: 9 @27838 has 590 MA's), (11, 27841), (36, 27982), (50, 28066), (58, 28123), (59, 28129), (61, 28150), (62, 28159), (69, 28195), (71, 28219), (74, 28231), (76, 28240), (77, 28249), (82, 28294), (99, 28396), (104, 28417), (112, 28465),

Gene: Bowden_40 Start: 29279, Stop: 29941, Start Num: 6

Candidate Starts for Bowden_40:

(Start: 6 @29279 has 33 MA's), (17, 29327), (20, 29342), (24, 29390), (41, 29480), (50, 29525), (61, 29609), (80, 29729), (82, 29753), (106, 29888), (111, 29909), (112, 29921),

Gene: Bowtie_60 Start: 38667, Stop: 38020, Start Num: 9

Candidate Starts for Bowtie_60:

(Start: 9 @38667 has 590 MA's), (Start: 23 @38574 has 19 MA's), (36, 38520), (39, 38493), (44, 38463), (59, 38367), (67, 38307), (78, 38241), (80, 38226), (85, 38181), (88, 38172), (89, 38148), (100, 38094), (108, 38061),

Gene: Bradman_59 Start: 38259, Stop: 37627, Start Num: 9

Candidate Starts for Bradman_59:

(Start: 9 @38259 has 590 MA's), (Start: 23 @38166 has 19 MA's), (26, 38151), (36, 38112), (39, 38085), (44, 38055), (58, 37977), (65, 37932), (67, 37911), (80, 37830), (85, 37785), (89, 37752), (93, 37734), (100, 37698),

Gene: Bradshaw_48 Start: 35280, Stop: 34621, Start Num: 9

Candidate Starts for Bradshaw_48:

(Start: 9 @35280 has 590 MA's), (28, 35157), (36, 35121), (39, 35094), (44, 35064), (49, 35034), (50, 35031), (51, 35025), (58, 34974), (65, 34929), (67, 34908), (77, 34848), (78, 34842), (105, 34677), (108, 34662),

Gene: Brataylor_42 Start: 29162, Stop: 29827, Start Num: 7

Candidate Starts for Brataylor_42:

(Start: 7 @29162 has 37 MA's), (Start: 9 @29177 has 590 MA's), (11, 29180), (50, 29405), (58, 29462), (59, 29468), (61, 29489), (62, 29498), (69, 29534), (71, 29558), (73, 29564), (74, 29570), (76, 29579), (77, 29588), (82, 29633), (85, 29654), (104, 29756), (112, 29804),

Gene: BreSam8_62 Start: 38892, Stop: 38233, Start Num: 9

Candidate Starts for BreSam8_62:

(Start: 9 @38892 has 590 MA's), (Start: 23 @38799 has 19 MA's), (33, 38745), (36, 38733), (39, 38706), (58, 38586), (74, 38478), (77, 38460), (78, 38454), (93, 38343), (100, 38307), (105, 38289), (107, 38277),

Gene: BroPlease_40 Start: 28319, Stop: 28963, Start Num: 9

Candidate Starts for BroPlease_40:

(Start: 9 @28319 has 590 MA's), (17, 28349), (41, 28502), (61, 28631), (77, 28730), (80, 28751), (82, 28775), (87, 28802), (104, 28898),

Gene: Broseidon_55 Start: 38141, Stop: 37482, Start Num: 9

Candidate Starts for Broseidon_55:

(Start: 9 @38141 has 590 MA's), (Start: 23 @38048 has 19 MA's), (27, 38030), (33, 37994), (36, 37982), (39, 37955), (42, 37940), (58, 37835), (77, 37709), (78, 37703), (80, 37688), (81, 37673), (93, 37592), (98, 37565), (100, 37556), (114, 37490),

Gene: BruceLethal_30 Start: 21333, Stop: 20662, Start Num: 12

Candidate Starts for BruceLethal_30:

(Start: 12 @21333 has 44 MA's), (44, 21120), (50, 21081), (62, 20988), (65, 20979), (67, 20958), (71, 20928), (91, 20793), (98, 20751), (110, 20694), (113, 20673),

Gene: Bruiser_54 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for Bruiser_54:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Bryce_47 Start: 35034, Stop: 34375, Start Num: 9

Candidate Starts for Bryce_47:

(Start: 9 @35034 has 590 MA's), (28, 34911), (36, 34875), (39, 34848), (44, 34818), (49, 34788), (50, 34785), (51, 34779), (58, 34728), (65, 34683), (67, 34662), (78, 34596), (105, 34431), (108, 34416),

Gene: BubbleTrouble_54 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for BubbleTrouble_54:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Bud_59 Start: 38214, Stop: 37567, Start Num: 9

Candidate Starts for Bud_59:

(Start: 9 @38214 has 590 MA's), (Start: 23 @38121 has 19 MA's), (36, 38067), (39, 38040), (44, 38010), (59, 37914), (67, 37854), (78, 37788), (80, 37773), (85, 37728), (88, 37719), (89, 37695), (100, 37641), (108, 37608),

Gene: Bugatti_59 Start: 38549, Stop: 37890, Start Num: 9

Candidate Starts for Bugatti_59:

(Start: 9 @38549 has 590 MA's), (Start: 23 @38456 has 19 MA's), (33, 38402), (36, 38390), (39, 38363), (42, 38348), (50, 38300), (58, 38243), (66, 38195), (77, 38117), (80, 38096), (81, 38081), (93, 38000), (100, 37964), (105, 37946), (114, 37898),

Gene: Buggy_61 Start: 39458, Stop: 38826, Start Num: 9

Candidate Starts for Buggy_61:

(Start: 9 @39458 has 590 MA's), (Start: 23 @39365 has 19 MA's), (36, 39311), (44, 39254), (59, 39170), (67, 39110), (77, 39050), (85, 38984), (89, 38951), (100, 38897),

Gene: Bumblebee11_53 Start: 38092, Stop: 37433, Start Num: 9

Candidate Starts for Bumblebee11_53:

(Start: 9 @38092 has 590 MA's), (Start: 23 @37999 has 19 MA's), (27, 37981), (33, 37945), (36, 37933), (39, 37906), (42, 37891), (58, 37786), (77, 37660), (80, 37639), (81, 37624), (93, 37543), (100, 37507), (114, 37441),

Gene: Burger_53 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for Burger_53:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93,

37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Burton_55 Start: 39563, Stop: 38919, Start Num: 13

Candidate Starts for Burton_55:

(Start: 13 @39563 has 28 MA's), (30, 39440), (39, 39389), (41, 39377), (56, 39296), (61, 39248), (66, 39227), (67, 39209), (77, 39149), (85, 39083), (89, 39050), (93, 39032), (100, 38996), (107, 38966), (108, 38963),

Gene: Buttons_53 Start: 37341, Stop: 36763, Start Num: 22

Candidate Starts for Buttons_53:

(Start: 22 @37341 has 37 MA's), (30, 37284), (36, 37260), (39, 37233), (41, 37221), (49, 37173), (65, 37074), (71, 37023), (85, 36927), (89, 36894), (93, 36876), (100, 36840), (107, 36810), (110, 36795),

Gene: BuzzBuzz_59 Start: 38926, Stop: 38267, Start Num: 9

Candidate Starts for BuzzBuzz_59:

(Start: 9 @38926 has 590 MA's), (Start: 23 @38833 has 19 MA's), (33, 38779), (36, 38767), (39, 38740), (58, 38620), (74, 38512), (77, 38494), (78, 38488), (93, 38377), (100, 38341), (105, 38323), (107, 38311),

Gene: C3_57 Start: 39337, Stop: 38705, Start Num: 9

Candidate Starts for C3_57:

(Start: 9 @39337 has 590 MA's), (Start: 23 @39244 has 19 MA's), (36, 39190), (39, 39163), (44, 39133), (58, 39055), (59, 39049), (67, 38989), (80, 38908), (85, 38863), (89, 38830), (93, 38812), (100, 38776),

Gene: Caelum_41 Start: 28977, Stop: 29639, Start Num: 6

Candidate Starts for Caelum_41:

(Start: 6 @28977 has 33 MA's), (17, 29025), (41, 29178), (61, 29307), (62, 29316), (80, 29427), (82, 29451), (85, 29472), (99, 29553), (104, 29571), (106, 29586), (111, 29607), (112, 29619),

Gene: Caitlin_57 Start: 37870, Stop: 37217, Start Num: 9

Candidate Starts for Caitlin_57:

(Start: 9 @37870 has 590 MA's), (Start: 23 @37777 has 19 MA's), (33, 37717), (36, 37705), (39, 37678), (48, 37621), (58, 37570), (59, 37564), (80, 37423), (81, 37408), (85, 37378), (89, 37345), (105, 37273), (106, 37264), (108, 37258), (112, 37234),

Gene: Calvinny_62 Start: 38691, Stop: 38125, Start Num: 23

Candidate Starts for Calvinny_62:

(Start: 9 @38784 has 590 MA's), (Start: 23 @38691 has 19 MA's), (33, 38637), (36, 38625), (39, 38598), (58, 38478), (74, 38370), (77, 38352), (78, 38346), (89, 38253), (93, 38235), (100, 38199), (105, 38181), (107, 38169),

Gene: Camperdownii_53 Start: 37813, Stop: 37154, Start Num: 9

Candidate Starts for Camperdownii_53:

(Start: 9 @37813 has 590 MA's), (Start: 23 @37720 has 19 MA's), (27, 37702), (33, 37666), (36, 37654), (39, 37627), (42, 37612), (58, 37507), (77, 37381), (78, 37375), (80, 37360), (81, 37345), (93, 37264), (98, 37237), (100, 37228), (114, 37162),

Gene: Candra_59 Start: 37754, Stop: 37122, Start Num: 9

Candidate Starts for Candra_59:

(Start: 9 @37754 has 590 MA's), (Start: 23 @37661 has 19 MA's), (36, 37607), (44, 37550), (58, 37472), (67, 37406), (80, 37325), (85, 37280), (89, 37247), (93, 37229), (100, 37193), (107, 37163), (108, 37160),

Gene: Caraxes_59 Start: 37576, Stop: 36944, Start Num: 9

Candidate Starts for Caraxes_59:

(Start: 9 @37576 has 590 MA's), (Start: 23 @37483 has 19 MA's), (36, 37429), (39, 37402), (44, 37372), (58, 37294), (74, 37186), (79, 37153), (80, 37147), (81, 37132), (85, 37102), (88, 37093), (89, 37069), (93, 37051), (100, 37015),

Gene: Carlyle_53 Start: 36628, Stop: 36050, Start Num: 22

Candidate Starts for Carlyle_53:

(Start: 22 @36628 has 37 MA's), (30, 36571), (36, 36547), (39, 36520), (41, 36508), (49, 36460), (71, 36310), (85, 36214), (89, 36181), (93, 36163), (100, 36127), (107, 36097),

Gene: Caviar_57 Start: 38514, Stop: 37852, Start Num: 9

Candidate Starts for Caviar_57:

(Start: 9 @38514 has 590 MA's), (Start: 23 @38421 has 19 MA's), (26, 38406), (33, 38367), (36, 38355), (39, 38328), (58, 38208), (66, 38160), (74, 38100), (77, 38082), (78, 38076), (80, 38061), (81, 38046), (100, 37929), (105, 37911),

Gene: Celeste_40 Start: 28631, Stop: 29296, Start Num: 7

Candidate Starts for Celeste_40:

(Start: 7 @28631 has 37 MA's), (Start: 9 @28646 has 590 MA's), (11, 28649), (50, 28874), (58, 28931), (59, 28937), (61, 28958), (62, 28967), (69, 29003), (71, 29027), (74, 29039), (76, 29048), (77, 29057), (82, 29102), (85, 29123), (99, 29204), (104, 29225), (112, 29273),

Gene: Celestiallunch_58 Start: 38657, Stop: 38031, Start Num: 9

Candidate Starts for Celestiallunch_58:

(Start: 9 @38657 has 590 MA's), (Start: 23 @38564 has 19 MA's), (36, 38516), (39, 38489), (58, 38381), (59, 38375), (67, 38315), (74, 38273), (77, 38255), (80, 38234), (85, 38189), (88, 38180), (100, 38102),

Gene: Centaur_60 Start: 39093, Stop: 38461, Start Num: 9

Candidate Starts for Centaur_60:

(Start: 9 @39093 has 590 MA's), (Start: 23 @39000 has 19 MA's), (36, 38946), (44, 38889), (54, 38835), (58, 38811), (59, 38805), (67, 38745), (77, 38685), (80, 38664), (85, 38619), (89, 38586), (100, 38532),

Gene: CentreCat_55 Start: 38142, Stop: 37483, Start Num: 9

Candidate Starts for CentreCat_55:

(Start: 9 @38142 has 590 MA's), (Start: 23 @38049 has 19 MA's), (27, 38031), (33, 37995), (36, 37983), (39, 37956), (42, 37941), (58, 37836), (77, 37710), (78, 37704), (80, 37689), (81, 37674), (93, 37593), (98, 37566), (100, 37557), (114, 37491),

Gene: Cerulean_56 Start: 38543, Stop: 37884, Start Num: 9

Candidate Starts for Cerulean_56:

(Start: 9 @38543 has 590 MA's), (Start: 23 @38450 has 19 MA's), (33, 38396), (36, 38384), (39, 38357), (42, 38342), (58, 38237), (77, 38111), (80, 38090), (81, 38075), (93, 37994), (98, 37967), (100, 37958), (114, 37892),

Gene: Chadwick_57 Start: 38363, Stop: 37701, Start Num: 9

Candidate Starts for Chadwick_57:

(Start: 9 @38363 has 590 MA's), (Start: 23 @38270 has 19 MA's), (27, 38252), (33, 38210), (36, 38198), (39, 38171), (41, 38159), (42, 38156), (67, 37994), (78, 37928), (79, 37919), (81, 37898), (85, 37868), (87, 37862), (89, 37835), (93, 37817), (98, 37790), (100, 37781), (105, 37763), (107, 37751),

(108, 37748),

Gene: ChampagnePapi_57 Start: 38542, Stop: 37883, Start Num: 9

Candidate Starts for ChampagnePapi_57:

(Start: 9 @38542 has 590 MA's), (Start: 23 @38449 has 19 MA's), (33, 38395), (36, 38383), (39, 38356), (42, 38341), (58, 38236), (77, 38110), (80, 38089), (81, 38074), (93, 37993), (98, 37966), (100, 37957), (114, 37891),

Gene: Chanagan_51 Start: 37492, Stop: 36848, Start Num: 13

Candidate Starts for Chanagan_51:

(Start: 13 @37492 has 28 MA's), (30, 37369), (39, 37318), (41, 37306), (61, 37177), (66, 37156), (67, 37138), (85, 37012), (89, 36979), (93, 36961), (100, 36925), (107, 36895), (108, 36892),

Gene: Changeling_58 Start: 39509, Stop: 38877, Start Num: 9

Candidate Starts for Changeling_58:

(Start: 9 @39509 has 590 MA's), (Start: 23 @39416 has 19 MA's), (32, 39380), (36, 39362), (44, 39305), (58, 39227), (59, 39221), (65, 39182), (67, 39161), (80, 39080), (85, 39035), (89, 39002), (93, 38984), (100, 38948),

Gene: Chaph_55 Start: 38150, Stop: 37491, Start Num: 9

Candidate Starts for Chaph_55:

(Start: 9 @38150 has 590 MA's), (Start: 23 @38057 has 19 MA's), (27, 38039), (33, 38003), (36, 37991), (39, 37964), (42, 37949), (58, 37844), (77, 37718), (78, 37712), (80, 37697), (81, 37682), (93, 37601), (98, 37574), (100, 37565), (114, 37499),

Gene: Chargerpower_57 Start: 37561, Stop: 36935, Start Num: 9

Candidate Starts for Chargerpower_57:

(Start: 9 @37561 has 590 MA's), (Start: 23 @37468 has 19 MA's), (36, 37420), (58, 37285), (67, 37219), (74, 37177), (80, 37138), (85, 37093), (93, 37042), (100, 37006), (107, 36976), (108, 36973),

Gene: Charm_57 Start: 38716, Stop: 38090, Start Num: 9

Candidate Starts for Charm_57:

(Start: 9 @38716 has 590 MA's), (Start: 23 @38623 has 19 MA's), (36, 38575), (39, 38548), (58, 38440), (59, 38434), (67, 38374), (74, 38332), (80, 38293), (85, 38248), (100, 38161),

Gene: Chartreuse_59 Start: 37105, Stop: 36473, Start Num: 9

Candidate Starts for Chartreuse_59:

(Start: 9 @37105 has 590 MA's), (Start: 23 @37012 has 19 MA's), (36, 36958), (44, 36901), (58, 36823), (67, 36757), (80, 36676), (85, 36631), (89, 36598), (93, 36580), (100, 36544), (107, 36514), (108, 36511),

Gene: ChipMunk_61 Start: 40658, Stop: 40026, Start Num: 9

Candidate Starts for ChipMunk_61:

(Start: 9 @40658 has 590 MA's), (Start: 23 @40565 has 19 MA's), (36, 40511), (44, 40454), (59, 40370), (67, 40310), (77, 40250), (85, 40184), (89, 40151), (100, 40097),

Gene: Chiqui_55 Start: 38553, Stop: 37891, Start Num: 9

Candidate Starts for Chiqui_55:

(Start: 9 @38553 has 590 MA's), (Start: 23 @38460 has 19 MA's), (33, 38406), (36, 38394), (39, 38367), (42, 38352), (50, 38304), (58, 38247), (66, 38199), (74, 38139), (77, 38121), (78, 38115), (80, 38100), (81, 38085), (93, 38004), (100, 37968), (105, 37950), (114, 37902),

Gene: Chucky_39 Start: 28208, Stop: 28858, Start Num: 9

Candidate Starts for Chucky_39:

(Start: 7 @28193 has 37 MA's), (Start: 9 @28208 has 590 MA's), (11, 28211), (36, 28352), (50, 28436), (58, 28493), (59, 28499), (61, 28520), (69, 28565), (71, 28589), (74, 28601), (76, 28610), (77, 28619), (82, 28664), (85, 28685), (99, 28766), (104, 28787), (112, 28835),

Gene: Chupacabra_54 Start: 38028, Stop: 37369, Start Num: 9

Candidate Starts for Chupacabra_54:

(Start: 9 @38028 has 590 MA's), (Start: 23 @37935 has 19 MA's), (36, 37869), (39, 37842), (50, 37779), (58, 37722), (66, 37674), (74, 37614), (77, 37596), (78, 37590), (80, 37575), (81, 37560), (98, 37452), (100, 37443), (105, 37425), (107, 37413), (114, 37377),

Gene: Cici_54 Start: 38107, Stop: 37448, Start Num: 9

Candidate Starts for Cici_54:

(Start: 9 @38107 has 590 MA's), (Start: 23 @38014 has 19 MA's), (27, 37996), (33, 37960), (36, 37948), (39, 37921), (42, 37906), (58, 37801), (77, 37675), (80, 37654), (81, 37639), (93, 37558), (100, 37522), (114, 37456),

Gene: Cindaradix_51 Start: 37736, Stop: 37077, Start Num: 9

Candidate Starts for Cindaradix_51:

(Start: 9 @37736 has 590 MA's), (Start: 23 @37643 has 19 MA's), (27, 37625), (33, 37589), (36, 37577), (39, 37550), (42, 37535), (58, 37430), (77, 37304), (78, 37298), (80, 37283), (81, 37268), (93, 37187), (96, 37175), (98, 37160), (100, 37151), (114, 37085),

Gene: Cintron_54 Start: 38116, Stop: 37457, Start Num: 9

Candidate Starts for Cintron_54:

(Start: 9 @38116 has 590 MA's), (Start: 23 @38023 has 19 MA's), (27, 38005), (33, 37969), (36, 37957), (39, 37930), (42, 37915), (58, 37810), (77, 37684), (78, 37678), (80, 37663), (81, 37648), (93, 37567), (98, 37540), (100, 37531), (114, 37465),

Gene: Citius_55 Start: 38160, Stop: 37501, Start Num: 9

Candidate Starts for Citius_55:

(Start: 9 @38160 has 590 MA's), (Start: 23 @38067 has 19 MA's), (27, 38049), (33, 38013), (36, 38001), (39, 37974), (42, 37959), (58, 37854), (77, 37728), (78, 37722), (80, 37707), (81, 37692), (93, 37611), (98, 37584), (100, 37575), (114, 37509),

Gene: Clammy_59 Start: 38549, Stop: 37890, Start Num: 9

Candidate Starts for Clammy_59:

(Start: 9 @38549 has 590 MA's), (Start: 23 @38456 has 19 MA's), (33, 38402), (36, 38390), (39, 38363), (42, 38348), (50, 38300), (58, 38243), (66, 38195), (77, 38117), (80, 38096), (81, 38081), (93, 38000), (100, 37964), (105, 37946), (114, 37898),

Gene: Clarenza_54 Start: 38136, Stop: 37477, Start Num: 9

Candidate Starts for Clarenza_54:

(Start: 9 @38136 has 590 MA's), (Start: 23 @38043 has 19 MA's), (27, 38025), (33, 37989), (36, 37977), (39, 37950), (42, 37935), (58, 37830), (77, 37704), (78, 37698), (80, 37683), (81, 37668), (93, 37587), (98, 37560), (100, 37551), (114, 37485),

Gene: CloudWang3_61 Start: 37923, Stop: 37291, Start Num: 9

Candidate Starts for CloudWang3_61:

(Start: 9 @37923 has 590 MA's), (Start: 23 @37830 has 19 MA's), (36, 37776), (44, 37719), (59, 37635), (67, 37575), (85, 37449), (89, 37416), (93, 37398), (100, 37362), (105, 37344), (107, 37332), (108, 37329),

Gene: ClownCar_62 Start: 38684, Stop: 38118, Start Num: 23

Candidate Starts for ClownCar_62:

(Start: 9 @38777 has 590 MA's), (Start: 23 @38684 has 19 MA's), (33, 38630), (36, 38618), (39, 38591), (58, 38471), (74, 38363), (77, 38345), (78, 38339), (89, 38246), (93, 38228), (100, 38192), (105, 38174), (107, 38162),

Gene: Cocoaberry_55 Start: 38143, Stop: 37484, Start Num: 9

Candidate Starts for Cocoaberry_55:

(Start: 9 @38143 has 590 MA's), (Start: 23 @38050 has 19 MA's), (27, 38032), (33, 37996), (36, 37984), (39, 37957), (42, 37942), (58, 37837), (77, 37711), (78, 37705), (80, 37690), (81, 37675), (93, 37594), (98, 37567), (100, 37558), (114, 37492),

Gene: CogOmlette_58 Start: 38612, Stop: 37986, Start Num: 9

Candidate Starts for CogOmlette_58:

(Start: 9 @38612 has 590 MA's), (Start: 19 @38576 has 1 MA's), (Start: 23 @38519 has 19 MA's), (36, 38471), (39, 38444), (41, 38432), (44, 38414), (58, 38336), (67, 38270), (74, 38228), (77, 38210), (80, 38189), (85, 38144), (89, 38111), (100, 38057),

Gene: Colbster_62 Start: 38902, Stop: 38243, Start Num: 9

Candidate Starts for Colbster_62:

(Start: 9 @38902 has 590 MA's), (Start: 23 @38809 has 19 MA's), (33, 38755), (36, 38743), (39, 38716), (58, 38596), (74, 38488), (77, 38470), (78, 38464), (93, 38353), (100, 38317), (105, 38299), (107, 38287),

Gene: Colin_58 Start: 39224, Stop: 38592, Start Num: 9

Candidate Starts for Colin_58:

(Start: 9 @39224 has 590 MA's), (Start: 23 @39131 has 19 MA's), (36, 39077), (39, 39050), (42, 39035), (44, 39020), (59, 38936), (67, 38876), (78, 38810), (85, 38750), (89, 38717), (93, 38699), (100, 38663),

Gene: Commander_55 Start: 38138, Stop: 37479, Start Num: 9

Candidate Starts for Commander_55:

(Start: 9 @38138 has 590 MA's), (Start: 23 @38045 has 19 MA's), (27, 38027), (33, 37991), (36, 37979), (39, 37952), (42, 37937), (58, 37832), (77, 37706), (78, 37700), (80, 37685), (81, 37670), (93, 37589), (98, 37562), (100, 37553), (114, 37487),

Gene: Conan_41 Start: 29601, Stop: 30266, Start Num: 7

Candidate Starts for Conan_41:

(Start: 7 @29601 has 37 MA's), (Start: 9 @29616 has 590 MA's), (50, 29844), (58, 29901), (59, 29907), (61, 29928), (62, 29937), (71, 29997), (72, 30000), (74, 30009), (82, 30072), (85, 30093), (99, 30174), (104, 30195),

Gene: ConceptII_57 Start: 40854, Stop: 40210, Start Num: 13

Candidate Starts for ConceptII_57:

(Start: 13 @40854 has 28 MA's), (30, 40731), (39, 40680), (41, 40668), (56, 40587), (61, 40539), (66, 40518), (67, 40500), (77, 40440), (85, 40374), (89, 40341), (93, 40323), (100, 40287), (107, 40257),

Gene: Connomayer_55 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for Connomayer_55:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Conspiracy_53 Start: 38372, Stop: 37713, Start Num: 9

Candidate Starts for Conspiracy_53:

(Start: 9 @38372 has 590 MA's), (Start: 23 @38279 has 19 MA's), (27, 38261), (33, 38219), (36, 38207), (39, 38180), (41, 38168), (67, 38006), (78, 37940), (81, 37910), (85, 37880), (87, 37874), (89, 37847), (93, 37829), (98, 37802), (100, 37793), (105, 37775), (107, 37763), (108, 37760),

Gene: Coog_52 Start: 38566, Stop: 37907, Start Num: 9

Candidate Starts for Coog_52:

(Start: 9 @38566 has 590 MA's), (Start: 23 @38473 has 19 MA's), (27, 38455), (33, 38413), (36, 38401), (39, 38374), (41, 38362), (42, 38359), (67, 38200), (78, 38134), (79, 38125), (81, 38104), (84, 38089), (85, 38074), (87, 38068), (89, 38041), (93, 38023), (98, 37996), (100, 37987), (105, 37969), (107, 37957), (108, 37954),

Gene: Cookiedough_60 Start: 37733, Stop: 37101, Start Num: 9

Candidate Starts for Cookiedough_60:

(Start: 9 @37733 has 590 MA's), (Start: 23 @37640 has 19 MA's), (36, 37586), (44, 37529), (58, 37451), (67, 37385), (80, 37304), (85, 37259), (89, 37226), (93, 37208), (100, 37172), (107, 37142), (108, 37139),

Gene: Cota_30 Start: 21373, Stop: 20702, Start Num: 12

Candidate Starts for Cota_30:

(Start: 12 @21373 has 44 MA's), (44, 21160), (50, 21121), (62, 21028), (65, 21019), (67, 20998), (71, 20968), (91, 20833), (98, 20791), (110, 20734), (113, 20713),

Gene: Croquant_63 Start: 38897, Stop: 38238, Start Num: 9

Candidate Starts for Croquant_63:

(Start: 9 @38897 has 590 MA's), (Start: 23 @38804 has 19 MA's), (33, 38750), (36, 38738), (39, 38711), (58, 38591), (74, 38483), (77, 38465), (78, 38459), (93, 38348), (100, 38312), (105, 38294), (107, 38282),

Gene: Crucio_59 Start: 39075, Stop: 38443, Start Num: 9

Candidate Starts for Crucio_59:

(Start: 9 @39075 has 590 MA's), (Start: 23 @38982 has 19 MA's), (36, 38928), (44, 38871), (67, 38727), (77, 38667), (85, 38601), (89, 38568), (93, 38550), (100, 38514),

Gene: Cuco_53 Start: 38426, Stop: 37767, Start Num: 9

Candidate Starts for Cuco_53:

(Start: 9 @38426 has 590 MA's), (Start: 23 @38333 has 19 MA's), (27, 38315), (33, 38273), (36, 38261), (39, 38234), (41, 38222), (67, 38060), (78, 37994), (79, 37985), (81, 37964), (84, 37949), (85, 37934), (87, 37928), (89, 37901), (93, 37883), (98, 37856), (100, 37847), (105, 37829), (107, 37817), (108, 37814),

Gene: Cullens_62 Start: 38898, Stop: 38239, Start Num: 9

Candidate Starts for Cullens_62:

(Start: 9 @38898 has 590 MA's), (Start: 23 @38805 has 19 MA's), (33, 38751), (36, 38739), (39, 38712), (58, 38592), (74, 38484), (77, 38466), (78, 38460), (93, 38349), (100, 38313), (105, 38295), (107, 38283),

Gene: D32_60 Start: 38901, Stop: 38269, Start Num: 9

Candidate Starts for D32_60:

(Start: 9 @38901 has 590 MA's), (Start: 23 @38808 has 19 MA's), (36, 38754), (39, 38727), (44, 38697), (58, 38619), (59, 38613), (67, 38553), (80, 38472), (85, 38427), (89, 38394), (93, 38376), (100, 38340),

Gene: DBQu4n_61 Start: 38882, Stop: 38250, Start Num: 9

Candidate Starts for DBQu4n_61:

(Start: 9 @38882 has 590 MA's), (Start: 23 @38789 has 19 MA's), (36, 38735), (39, 38708), (44, 38678), (58, 38600), (59, 38594), (67, 38534), (80, 38453), (85, 38408), (89, 38375), (93, 38357), (100, 38321),

Gene: DaHudson_62 Start: 38891, Stop: 38232, Start Num: 9

Candidate Starts for DaHudson_62:

(Start: 9 @38891 has 590 MA's), (Start: 23 @38798 has 19 MA's), (33, 38744), (36, 38732), (39, 38705), (58, 38585), (74, 38477), (77, 38459), (78, 38453), (93, 38342), (100, 38306), (105, 38288), (107, 38276),

Gene: DaVinci_59 Start: 37159, Stop: 36527, Start Num: 9

Candidate Starts for DaVinci_59:

(Start: 9 @37159 has 590 MA's), (Start: 23 @37066 has 19 MA's), (36, 37012), (44, 36955), (58, 36877), (67, 36811), (80, 36730), (85, 36685), (89, 36652), (93, 36634), (100, 36598), (107, 36568), (108, 36565),

Gene: Daishi_61 Start: 37767, Stop: 37108, Start Num: 9

Candidate Starts for Daishi_61:

(Start: 9 @37767 has 590 MA's), (Start: 23 @37674 has 19 MA's), (33, 37620), (36, 37608), (39, 37581), (58, 37461), (74, 37353), (77, 37335), (78, 37329), (93, 37218), (100, 37182), (105, 37164), (107, 37152),

Gene: Dalmatian_60 Start: 39281, Stop: 38649, Start Num: 9

Candidate Starts for Dalmatian_60:

(Start: 9 @39281 has 590 MA's), (Start: 23 @39188 has 19 MA's), (36, 39134), (44, 39077), (59, 38993), (67, 38933), (77, 38873), (85, 38807), (89, 38774), (100, 38720),

Gene: Danforth_59 Start: 38214, Stop: 37561, Start Num: 9

Candidate Starts for Danforth_59:

(Start: 9 @38214 has 590 MA's), (Start: 23 @38121 has 19 MA's), (33, 38061), (36, 38049), (39, 38022), (48, 37965), (58, 37914), (59, 37908), (80, 37767), (81, 37752), (85, 37722), (89, 37689), (105, 37617), (106, 37608), (108, 37602), (112, 37578),

Gene: Danzina_41 Start: 28932, Stop: 29597, Start Num: 7

Candidate Starts for Danzina_41:

(Start: 7 @28932 has 37 MA's), (Start: 9 @28947 has 590 MA's), (11, 28950), (50, 29175), (58, 29232), (59, 29238), (61, 29259), (62, 29268), (69, 29304), (71, 29328), (74, 29340), (76, 29349), (77, 29358), (82, 29403), (85, 29424), (99, 29505), (104, 29526), (112, 29574),

Gene: Darrell_61 Start: 39548, Stop: 38922, Start Num: 9

Candidate Starts for Darrell_61:

(Start: 9 @39548 has 590 MA's), (Start: 23 @39455 has 19 MA's), (36, 39407), (39, 39380), (58, 39272), (59, 39266), (67, 39206), (71, 39176), (74, 39164), (77, 39146), (80, 39125), (85, 39080), (89, 39047), (100, 38993),

Gene: DARTHPhader_56 Start: 40030, Stop: 39404, Start Num: 9

Candidate Starts for DARTHPhader_56:

(Start: 9 @40030 has 590 MA's), (Start: 23 @39937 has 19 MA's), (36, 39889), (39, 39862), (49, 39802), (58, 39754), (59, 39748), (67, 39688), (77, 39628), (78, 39622), (85, 39562), (89, 39529), (93, 39511), (100, 39475),

Gene: Dattran_41 Start: 28738, Stop: 29403, Start Num: 7

Candidate Starts for Dattran_41:

(Start: 7 @28738 has 37 MA's), (Start: 9 @28753 has 590 MA's), (11, 28756), (50, 28981), (58, 29038), (59, 29044), (61, 29065), (62, 29074), (69, 29110), (71, 29134), (74, 29146), (76, 29155), (77, 29164), (82, 29209), (85, 29230), (99, 29311), (104, 29332), (112, 29380),

Gene: Datway_54 Start: 38078, Stop: 37419, Start Num: 9

Candidate Starts for Datway_54:

(Start: 9 @38078 has 590 MA's), (Start: 23 @37985 has 19 MA's), (27, 37967), (33, 37931), (36, 37919), (39, 37892), (42, 37877), (58, 37772), (77, 37646), (80, 37625), (81, 37610), (93, 37529), (100, 37493), (114, 37427),

Gene: Daudau_40 Start: 29122, Stop: 29784, Start Num: 6

Candidate Starts for Daudau_40:

(2, 28798), (3, 28855), (Start: 6 @29122 has 33 MA's), (17, 29170), (24, 29233), (41, 29323), (50, 29368), (61, 29452), (62, 29461), (80, 29572), (82, 29596), (85, 29617), (99, 29698), (104, 29716), (106, 29731),

Gene: Deano_54 Start: 38147, Stop: 37488, Start Num: 9

Candidate Starts for Deano_54:

(Start: 9 @38147 has 590 MA's), (Start: 23 @38054 has 19 MA's), (27, 38036), (33, 38000), (36, 37988), (39, 37961), (42, 37946), (58, 37841), (77, 37715), (78, 37709), (80, 37694), (81, 37679), (93, 37598), (98, 37571), (100, 37562), (114, 37496),

Gene: DeerParkTS_57 Start: 38121, Stop: 37582, Start Num: 23

Candidate Starts for DeerParkTS_57:

(Start: 23 @38121 has 19 MA's), (36, 38067), (39, 38040), (44, 38010), (58, 37932), (59, 37926), (67, 37866), (80, 37785), (85, 37740), (89, 37707), (100, 37653),

Gene: DekHockey33_67 Start: 38797, Stop: 38165, Start Num: 9

Candidate Starts for DekHockey33_67:

(Start: 9 @38797 has 590 MA's), (Start: 15 @38779 has 1 MA's), (Start: 23 @38704 has 19 MA's), (39, 38626), (42, 38611), (44, 38596), (64, 38476), (65, 38473), (76, 38401), (80, 38371), (89, 38293), (93, 38275), (100, 38239),

Gene: DelvinSonDorr_58 Start: 37964, Stop: 37332, Start Num: 9

Candidate Starts for DelvinSonDorr_58:

(Start: 9 @37964 has 590 MA's), (Start: 23 @37871 has 19 MA's), (36, 37817), (44, 37760), (58, 37682), (67, 37616), (80, 37535), (85, 37490), (89, 37457), (93, 37439), (100, 37403), (107, 37373), (108, 37370),

Gene: Dennebes_62 Start: 31136, Stop: 30504, Start Num: 9

Candidate Starts for Dennebes_62:

(Start: 9 @31136 has 590 MA's), (Start: 15 @31118 has 1 MA's), (17, 31106), (44, 30938), (47, 30914), (57, 30875), (65, 30812), (77, 30731), (85, 30665),

Gene: Destructrice_57 Start: 30905, Stop: 30273, Start Num: 9

Candidate Starts for Destructrice_57:

(Start: 9 @30905 has 590 MA's), (Start: 15 @30887 has 1 MA's), (17, 30875), (44, 30707), (47, 30683), (62, 30590), (77, 30500), (78, 30494), (85, 30434), (95, 30377), (97, 30362),

Gene: Dexers_39 Start: 29625, Stop: 30290, Start Num: 7

Candidate Starts for Dexers_39:

(Start: 7 @29625 has 37 MA's), (Start: 9 @29640 has 590 MA's), (50, 29868), (58, 29925), (59, 29931), (61, 29952), (62, 29961), (71, 30021), (72, 30024), (74, 30033), (82, 30096), (85, 30117), (99, 30198), (104, 30219),

Gene: Dhanush_55 Start: 38142, Stop: 37483, Start Num: 9

Candidate Starts for Dhanush_55:

(Start: 9 @38142 has 590 MA's), (Start: 23 @38049 has 19 MA's), (27, 38031), (33, 37995), (36, 37983), (39, 37956), (42, 37941), (58, 37836), (77, 37710), (78, 37704), (80, 37689), (81, 37674), (93, 37593), (98, 37566), (100, 37557), (114, 37491),

Gene: Diane_39 Start: 28959, Stop: 29621, Start Num: 6

Candidate Starts for Diane_39:

(3, 28692), (Start: 6 @28959 has 33 MA's), (17, 29007), (24, 29070), (41, 29160), (50, 29205), (61, 29289), (80, 29409), (82, 29433), (85, 29454), (99, 29535), (104, 29553), (106, 29568), (112, 29601),

Gene: Dieselweasel_63 Start: 38901, Stop: 38242, Start Num: 9

Candidate Starts for Dieselweasel_63:

(Start: 9 @38901 has 590 MA's), (Start: 23 @38808 has 19 MA's), (33, 38754), (36, 38742), (39, 38715), (58, 38595), (74, 38487), (77, 38469), (78, 38463), (93, 38352), (100, 38316), (105, 38298), (107, 38286),

Gene: Dignity_61 Start: 39481, Stop: 38849, Start Num: 9

Candidate Starts for Dignity_61:

(Start: 9 @39481 has 590 MA's), (Start: 23 @39388 has 19 MA's), (36, 39334), (44, 39277), (59, 39193), (67, 39133), (77, 39073), (85, 39007), (89, 38974), (100, 38920),

Gene: Dinger_47 Start: 35422, Stop: 34763, Start Num: 9

Candidate Starts for Dinger_47:

(Start: 9 @35422 has 590 MA's), (28, 35299), (36, 35263), (39, 35236), (44, 35206), (49, 35176), (50, 35173), (51, 35167), (58, 35116), (65, 35071), (77, 34990), (78, 34984), (105, 34819), (108, 34804),

Gene: DirtyDunning_54 Start: 38151, Stop: 37492, Start Num: 9

Candidate Starts for DirtyDunning_54:

(Start: 9 @38151 has 590 MA's), (Start: 23 @38058 has 19 MA's), (27, 38040), (33, 38004), (36, 37992), (39, 37965), (42, 37950), (58, 37845), (77, 37719), (78, 37713), (80, 37698), (81, 37683), (93, 37602), (98, 37575), (100, 37566), (114, 37500),

Gene: Discoknowium_51 Start: 38039, Stop: 37380, Start Num: 9

Candidate Starts for Discoknowium_51:

(Start: 9 @38039 has 590 MA's), (Start: 23 @37946 has 19 MA's), (27, 37928), (33, 37886), (36, 37874), (39, 37847), (41, 37835), (67, 37673), (78, 37607), (81, 37577), (85, 37547), (87, 37541), (89, 37514), (93, 37496), (98, 37469), (100, 37460), (105, 37442), (107, 37430), (108, 37427),

Gene: Dixon_58 Start: 37734, Stop: 37081, Start Num: 9

Candidate Starts for Dixon_58:

(Start: 9 @37734 has 590 MA's), (Start: 23 @37641 has 19 MA's), (33, 37581), (36, 37569), (39, 37542), (48, 37485), (58, 37434), (59, 37428), (80, 37287), (81, 37272), (85, 37242), (89, 37209), (105, 37137), (106, 37128), (108, 37122), (112, 37098),

Gene: DontArgue_54 Start: 37214, Stop: 36555, Start Num: 9

Candidate Starts for DontArgue_54:

(Start: 9 @37214 has 590 MA's), (Start: 23 @37121 has 19 MA's), (33, 37067), (36, 37055), (39, 37028), (42, 37013), (58, 36908), (66, 36860), (74, 36800), (78, 36776), (80, 36761), (81, 36746), (100, 36629), (105, 36611), (114, 36563),

Gene: Dorothea_60 Start: 37728, Stop: 37096, Start Num: 9

Candidate Starts for Dorothea_60:

(Start: 9 @37728 has 590 MA's), (Start: 23 @37635 has 19 MA's), (36, 37581), (44, 37524), (58, 37446), (67, 37380), (80, 37299), (85, 37254), (89, 37221), (93, 37203), (100, 37167), (107, 37137), (108, 37134),

Gene: DrFeelGood_52 Start: 38591, Stop: 38013, Start Num: 22

Candidate Starts for DrFeelGood_52:

(Start: 22 @38591 has 37 MA's), (30, 38534), (36, 38510), (39, 38483), (41, 38471), (49, 38423), (71, 38273), (85, 38177), (86, 38174), (89, 38144), (93, 38126), (100, 38090), (107, 38060),

Gene: DrParker_30 Start: 21427, Stop: 20756, Start Num: 12

Candidate Starts for DrParker_30:

(Start: 12 @21427 has 44 MA's), (44, 21214), (50, 21175), (62, 21082), (65, 21073), (71, 21022), (91, 20887), (98, 20845), (110, 20788), (113, 20767),

Gene: Drake55_61 Start: 39175, Stop: 38543, Start Num: 9

Candidate Starts for Drake55_61:

(Start: 9 @39175 has 590 MA's), (Start: 23 @39082 has 19 MA's), (36, 39028), (44, 38971), (58, 38893), (59, 38887), (67, 38827), (77, 38767), (80, 38746), (85, 38701), (89, 38668), (100, 38614),

Gene: Drake94_54 Start: 37266, Stop: 36607, Start Num: 9

Candidate Starts for Drake94_54:

(Start: 9 @37266 has 590 MA's), (Start: 23 @37173 has 19 MA's), (36, 37107), (39, 37080), (50, 37017), (58, 36960), (66, 36912), (80, 36813), (81, 36798), (98, 36690), (100, 36681), (105, 36663), (107, 36651), (114, 36615),

Gene: DreamTeam1_57 Start: 38548, Stop: 37922, Start Num: 9

Candidate Starts for DreamTeam1_57:

(Start: 9 @38548 has 590 MA's), (Start: 23 @38455 has 19 MA's), (36, 38407), (39, 38380), (58, 38272), (59, 38266), (67, 38206), (74, 38164), (80, 38125), (85, 38080), (100, 37993),

Gene: DropBear_58 Start: 38451, Stop: 37789, Start Num: 9

Candidate Starts for DropBear_58:

(Start: 9 @38451 has 590 MA's), (Start: 23 @38358 has 19 MA's), (33, 38304), (36, 38292), (39, 38265), (42, 38250), (50, 38202), (58, 38145), (66, 38097), (74, 38037), (78, 38013), (80, 37998), (81, 37983), (85, 37953), (93, 37902), (100, 37866), (105, 37848), (114, 37800),

Gene: Druantia_55 Start: 38142, Stop: 37483, Start Num: 9

Candidate Starts for Druantia_55:

(Start: 9 @38142 has 590 MA's), (Start: 23 @38049 has 19 MA's), (27, 38031), (33, 37995), (36, 37983), (39, 37956), (42, 37941), (58, 37836), (77, 37710), (78, 37704), (80, 37689), (81, 37674), (93, 37593), (98, 37566), (100, 37557), (114, 37491),

Gene: Dublin_53 Start: 38541, Stop: 37879, Start Num: 9

Candidate Starts for Dublin_53:

(Start: 9 @38541 has 590 MA's), (Start: 23 @38448 has 19 MA's), (27, 38430), (33, 38388), (36, 38376), (39, 38349), (41, 38337), (67, 38172), (78, 38106), (81, 38076), (85, 38046), (87, 38040), (89, 38013), (93, 37995), (98, 37968), (100, 37959), (105, 37941), (107, 37929), (108, 37926),

Gene: DudeLittle_58 Start: 39047, Stop: 38415, Start Num: 9

Candidate Starts for DudeLittle_58:

(Start: 9 @39047 has 590 MA's), (Start: 23 @38954 has 19 MA's), (36, 38900), (44, 38843), (59, 38759), (67, 38699), (77, 38639), (85, 38573), (89, 38540), (100, 38486),

Gene: Duplo_61 Start: 38938, Stop: 38306, Start Num: 9

Candidate Starts for Duplo_61:

(Start: 9 @38938 has 590 MA's), (Start: 23 @38845 has 19 MA's), (36, 38791), (39, 38764), (44, 38734), (58, 38656), (59, 38650), (67, 38590), (80, 38509), (85, 38464), (89, 38431), (93, 38413), (100, 38377),

Gene: DustyMartin_59 Start: 38133, Stop: 37474, Start Num: 9

Candidate Starts for DustyMartin_59:

(Start: 9 @38133 has 590 MA's), (Start: 23 @38040 has 19 MA's), (36, 37974), (39, 37947), (50, 37884), (58, 37827), (66, 37779), (74, 37719), (77, 37701), (78, 37695), (80, 37680), (81, 37665), (98, 37557), (100, 37548), (105, 37530), (107, 37518), (114, 37482),

Gene: Dwayne_39 Start: 28180, Stop: 28845, Start Num: 7

Candidate Starts for Dwayne_39:

(Start: 7 @28180 has 37 MA's), (Start: 9 @28195 has 590 MA's), (11, 28198), (36, 28339), (50, 28423), (58, 28480), (59, 28486), (61, 28507), (69, 28552), (71, 28576), (74, 28588), (76, 28597), (77, 28606), (82, 28651), (85, 28672), (99, 28753), (104, 28774), (112, 28822),

Gene: ELB20_38 Start: 29365, Stop: 30027, Start Num: 6

Candidate Starts for ELB20_38:

(Start: 6 @29365 has 33 MA's), (17, 29413), (24, 29476), (41, 29566), (50, 29611), (61, 29695), (62, 29704), (80, 29815), (82, 29839), (85, 29860), (104, 29959), (106, 29974), (111, 29995),

Gene: EZMoney23_56 Start: 38474, Stop: 37935, Start Num: 23

Candidate Starts for EZMoney23_56:

(Start: 9 @38567 has 590 MA's), (Start: 23 @38474 has 19 MA's), (32, 38438), (36, 38420), (44, 38363), (58, 38285), (59, 38279), (65, 38240), (67, 38219), (80, 38138), (85, 38093), (89, 38060), (93, 38042), (100, 38006),

Gene: EagleEye_62 Start: 39020, Stop: 38382, Start Num: 9

Candidate Starts for EagleEye_62:

(Start: 9 @39020 has 590 MA's), (Start: 23 @38927 has 19 MA's), (36, 38873), (39, 38846), (42, 38831), (44, 38816), (59, 38729), (67, 38669), (74, 38624), (81, 38570), (85, 38540), (93, 38489), (100, 38453),

Gene: Eaglepride_57 Start: 38218, Stop: 37559, Start Num: 9

Candidate Starts for Eaglepride_57:

(Start: 9 @38218 has 590 MA's), (Start: 23 @38125 has 19 MA's), (33, 38071), (36, 38059), (39, 38032), (42, 38017), (58, 37912), (66, 37864), (74, 37804), (77, 37786), (78, 37780), (80, 37765), (81, 37750), (96, 37657), (98, 37642), (100, 37633), (105, 37615), (107, 37603), (114, 37567),

Gene: Eapen_55 Start: 38134, Stop: 37475, Start Num: 9

Candidate Starts for Eapen_55:

(Start: 9 @38134 has 590 MA's), (Start: 23 @38041 has 19 MA's), (27, 38023), (33, 37987), (36, 37975), (39, 37948), (42, 37933), (58, 37828), (77, 37702), (78, 37696), (80, 37681), (81, 37666), (93, 37585), (98, 37558), (100, 37549), (114, 37483),

Gene: Ebony_59 Start: 38231, Stop: 37584, Start Num: 9

Candidate Starts for Ebony_59:

(Start: 9 @38231 has 590 MA's), (Start: 23 @38138 has 19 MA's), (36, 38084), (39, 38057), (44, 38027), (59, 37931), (67, 37871), (78, 37805), (80, 37790), (85, 37745), (88, 37736), (89, 37712), (100, 37658), (108, 37625),

Gene: Echild_59 Start: 38356, Stop: 37724, Start Num: 9

Candidate Starts for Echild_59:

(Start: 9 @38356 has 590 MA's), (Start: 23 @38263 has 19 MA's), (36, 38209), (44, 38152), (59, 38068), (67, 38008), (77, 37948), (85, 37882), (89, 37849), (100, 37795),

Gene: Edison31_54 Start: 38061, Stop: 37402, Start Num: 9

Candidate Starts for Edison31_54:

(Start: 9 @38061 has 590 MA's), (Start: 23 @37968 has 19 MA's), (36, 37902), (39, 37875), (50, 37812), (58, 37755), (66, 37707), (74, 37647), (77, 37629), (78, 37623), (80, 37608), (81, 37593), (98, 37485), (100, 37476), (105, 37458), (107, 37446), (114, 37410),

Gene: Ejemplo_38 Start: 28139, Stop: 28789, Start Num: 9

Candidate Starts for Ejemplo_38:

(Start: 7 @28124 has 37 MA's), (Start: 9 @28139 has 590 MA's), (11, 28142), (50, 28367), (58, 28424), (59, 28430), (61, 28451), (69, 28496), (71, 28520), (74, 28532), (76, 28541), (77, 28550), (82, 28595), (85, 28616), (99, 28697), (104, 28718), (112, 28766),

Gene: ElGato_41 Start: 29265, Stop: 29930, Start Num: 7

Candidate Starts for ElGato_41:

(Start: 7 @29265 has 37 MA's), (Start: 9 @29280 has 590 MA's), (50, 29508), (58, 29565), (59, 29571), (61, 29592), (62, 29601), (71, 29661), (72, 29664), (74, 29673), (82, 29736), (85, 29757), (99, 29838), (104, 29859),

Gene: ElTiger69_56 Start: 38498, Stop: 37836, Start Num: 9

Candidate Starts for ElTiger69_56:

(Start: 9 @38498 has 590 MA's), (Start: 23 @38405 has 19 MA's), (27, 38387), (33, 38345), (36, 38333), (39, 38306), (41, 38294), (42, 38291), (67, 38129), (78, 38063), (80, 38048), (81, 38033), (85, 38003), (87, 37997), (89, 37970), (93, 37952), (98, 37925), (100, 37916), (105, 37898), (107, 37886), (108, 37883),

Gene: Elephantoon_58 Start: 38290, Stop: 37664, Start Num: 9

Candidate Starts for Elephantoon_58:

(Start: 9 @38290 has 590 MA's), (Start: 19 @38254 has 1 MA's), (Start: 23 @38197 has 19 MA's), (36, 38149), (39, 38122), (44, 38092), (58, 38014), (59, 38008), (61, 37987), (67, 37948), (74, 37906), (77, 37888), (80, 37867), (85, 37822), (89, 37789), (100, 37735),

Gene: Elle_60 Start: 36882, Stop: 36250, Start Num: 10

Candidate Starts for Elle_60:

(Start: 10 @36882 has 2 MA's), (Start: 23 @36792 has 19 MA's), (39, 36711), (44, 36681), (58, 36603), (59, 36597), (74, 36495), (78, 36471), (80, 36456), (85, 36411), (88, 36402), (100, 36324),

Gene: Emaanora_42 Start: 28153, Stop: 28803, Start Num: 9

Candidate Starts for Emaanora_42:

(Start: 7 @28138 has 37 MA's), (Start: 9 @28153 has 590 MA's), (11, 28156), (36, 28297), (50, 28381), (58, 28438), (59, 28444), (61, 28465), (69, 28510), (71, 28534), (74, 28546), (76, 28555), (77, 28564), (82, 28609), (85, 28630), (99, 28711), (104, 28732), (112, 28780),

Gene: EmyBug_58 Start: 38920, Stop: 38291, Start Num: 9

Candidate Starts for EmyBug_58:

(Start: 9 @38920 has 590 MA's), (Start: 23 @38827 has 19 MA's), (29, 38803), (36, 38779), (39, 38752), (42, 38737), (58, 38641), (59, 38635), (65, 38596), (67, 38575), (78, 38509), (85, 38449), (89, 38416), (100, 38362),

Gene: Enochoraptor_30 Start: 21346, Stop: 20675, Start Num: 12

Candidate Starts for Enochoraptor_30:

(Start: 12 @21346 has 44 MA's), (44, 21133), (50, 21094), (62, 21001), (65, 20992), (67, 20971), (71, 20941), (91, 20806), (98, 20764), (110, 20707), (113, 20686),

Gene: Enoki_30 Start: 21357, Stop: 20686, Start Num: 12

Candidate Starts for Enoki_30:

(Start: 12 @21357 has 44 MA's), (44, 21144), (50, 21105), (62, 21012), (65, 21003), (67, 20982), (71, 20952), (91, 20817), (98, 20775), (110, 20718), (113, 20697),

Gene: EpicPhail_63 Start: 38902, Stop: 38243, Start Num: 9

Candidate Starts for EpicPhail_63:

(Start: 9 @38902 has 590 MA's), (Start: 23 @38809 has 19 MA's), (33, 38755), (36, 38743), (39, 38716), (58, 38596), (74, 38488), (77, 38470), (78, 38464), (93, 38353), (100, 38317), (105, 38299), (107, 38287),

Gene: Epsocamisio_63 Start: 37947, Stop: 37408, Start Num: 23

Candidate Starts for Epsocamisio_63:

(Start: 9 @38040 has 590 MA's), (Start: 15 @38022 has 1 MA's), (Start: 23 @37947 has 19 MA's), (39, 37869), (42, 37854), (44, 37839), (64, 37719), (65, 37716), (76, 37644), (80, 37614), (89, 37536), (100, 37482),

Gene: Equemioh13_60 Start: 38998, Stop: 38366, Start Num: 9

Candidate Starts for Equemioh13_60:

(Start: 9 @38998 has 590 MA's), (Start: 23 @38905 has 19 MA's), (36, 38851), (44, 38794), (54, 38740), (58, 38716), (59, 38710), (67, 38650), (77, 38590), (80, 38569), (85, 38524), (89, 38491), (100, 38437),

Gene: EricB_59 Start: 37711, Stop: 37079, Start Num: 9

Candidate Starts for EricB_59:

(Start: 9 @37711 has 590 MA's), (Start: 23 @37618 has 19 MA's), (36, 37564), (44, 37507), (58, 37429), (67, 37363), (80, 37282), (85, 37237), (89, 37204), (93, 37186), (100, 37150), (107, 37120), (108, 37117),

Gene: Erik_48 Start: 35212, Stop: 34553, Start Num: 9

Candidate Starts for Erik_48:

(Start: 9 @35212 has 590 MA's), (28, 35089), (36, 35053), (39, 35026), (44, 34996), (49, 34966), (50, 34963), (51, 34957), (58, 34906), (65, 34861), (67, 34840), (77, 34780), (78, 34774), (105, 34609), (108, 34594),

Gene: Eris_54 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for Eris_54:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Eros_55 Start: 38141, Stop: 37482, Start Num: 9

Candidate Starts for Eros_55:

(Start: 9 @38141 has 590 MA's), (Start: 23 @38048 has 19 MA's), (27, 38030), (33, 37994), (36, 37982), (39, 37955), (42, 37940), (58, 37835), (77, 37709), (78, 37703), (80, 37688), (81, 37673), (93, 37592), (98, 37565), (100, 37556), (114, 37490),

Gene: Esperer_39 Start: 27636, Stop: 28301, Start Num: 7

Candidate Starts for Esperer_39:

(Start: 7 @27636 has 37 MA's), (Start: 9 @27651 has 590 MA's), (11, 27654), (36, 27795), (50, 27879), (58, 27936), (59, 27942), (61, 27963), (62, 27972), (69, 28008), (71, 28032), (74, 28044), (76, 28053), (77, 28062), (82, 28107), (99, 28209), (104, 28230), (112, 28278),

Gene: Espica_48 Start: 35222, Stop: 34563, Start Num: 9

Candidate Starts for Espica_48:

(Start: 9 @35222 has 590 MA's), (28, 35099), (36, 35063), (39, 35036), (44, 35006), (49, 34976), (50, 34973), (51, 34967), (58, 34916), (65, 34871), (67, 34850), (78, 34784), (105, 34619), (108, 34604),

Gene: Espresso_54 Start: 39707, Stop: 39060, Start Num: 13

Candidate Starts for Espresso_54:

(Start: 13 @39707 has 28 MA's), (30, 39584), (39, 39533), (41, 39521), (56, 39440), (61, 39392), (66, 39371), (67, 39353), (77, 39293), (85, 39227), (89, 39194), (93, 39176), (100, 39140), (107, 39107), (108, 39104),

Gene: Et2Brutus_58 Start: 38194, Stop: 37547, Start Num: 9

Candidate Starts for Et2Brutus_58:

(Start: 9 @38194 has 590 MA's), (Start: 23 @38101 has 19 MA's), (36, 38047), (39, 38020), (44, 37990), (59, 37894), (67, 37834), (78, 37768), (80, 37753), (85, 37708), (88, 37699), (89, 37675), (100, 37621), (108, 37588),

Gene: EtoileNova_58 Start: 38518, Stop: 37856, Start Num: 9

Candidate Starts for EtoileNova_58:

(Start: 9 @38518 has 590 MA's), (Start: 23 @38425 has 19 MA's), (26, 38410), (33, 38371), (36, 38359), (39, 38332), (58, 38212), (66, 38164), (74, 38104), (77, 38086), (78, 38080), (80, 38065), (81, 38050), (100, 37933), (105, 37915),

Gene: Euphoria_52 Start: 38955, Stop: 38311, Start Num: 13

Candidate Starts for Euphoria_52:

(Start: 13 @38955 has 28 MA's), (30, 38832), (39, 38781), (41, 38769), (61, 38640), (66, 38619), (67, 38601), (85, 38475), (89, 38442), (93, 38424), (100, 38388), (107, 38358),

Gene: Eurydice_56 Start: 38136, Stop: 37477, Start Num: 9

Candidate Starts for Eurydice_56:

(Start: 9 @38136 has 590 MA's), (Start: 23 @38043 has 19 MA's), (27, 38025), (33, 37989), (36, 37977), (39, 37950), (42, 37935), (58, 37830), (77, 37704), (78, 37698), (80, 37683), (81, 37668), (93, 37587), (98, 37560), (100, 37551), (114, 37485),

Gene: EvilGenius_61 Start: 40659, Stop: 40027, Start Num: 9

Candidate Starts for EvilGenius_61:

(Start: 9 @40659 has 590 MA's), (Start: 23 @40566 has 19 MA's), (36, 40512), (44, 40455), (59, 40371), (67, 40311), (77, 40251), (85, 40185), (89, 40152), (100, 40098),

Gene: Expelliarmus_57 Start: 37938, Stop: 37285, Start Num: 9

Candidate Starts for Expelliarmus_57:

(Start: 9 @37938 has 590 MA's), (Start: 23 @37845 has 19 MA's), (33, 37785), (36, 37773), (39, 37746), (48, 37689), (58, 37638), (59, 37632), (80, 37491), (81, 37476), (85, 37446), (89, 37413), (105, 37341), (106, 37332), (108, 37326), (112, 37302),

Gene: ExplosioNervosa_59 Start: 38986, Stop: 38357, Start Num: 9

Candidate Starts for ExplosioNervosa_59:

(Start: 9 @38986 has 590 MA's), (Start: 23 @38893 has 19 MA's), (29, 38869), (36, 38845), (39, 38818), (42, 38803), (58, 38707), (59, 38701), (65, 38662), (67, 38641), (78, 38575), (85, 38515), (89, 38482), (100, 38428),

Gene: Eyeball_56 Start: 39177, Stop: 38599, Start Num: 22

Candidate Starts for Eyeball_56:

(Start: 22 @39177 has 37 MA's), (30, 39120), (36, 39096), (39, 39069), (41, 39057), (49, 39009), (65, 38910), (71, 38859), (85, 38763), (86, 38760), (89, 38730), (93, 38712), (94, 38709), (100, 38676), (107, 38646), (108, 38643),

Gene: Fabian_55 Start: 30569, Stop: 29937, Start Num: 9

Candidate Starts for Fabian_55:

(Start: 9 @30569 has 590 MA's), (Start: 15 @30551 has 1 MA's), (17, 30539), (44, 30371), (47, 30347), (65, 30245), (77, 30164), (85, 30098), (94, 30044), (95, 30041),

Gene: Fameo_59 Start: 39406, Stop: 38774, Start Num: 9

Candidate Starts for Fameo_59:

(Start: 9 @39406 has 590 MA's), (Start: 23 @39313 has 19 MA's), (32, 39277), (36, 39259), (44, 39202), (59, 39118), (67, 39058), (77, 38998), (85, 38932), (89, 38899), (100, 38845),

Gene: Farber_62 Start: 38888, Stop: 38229, Start Num: 9

Candidate Starts for Farber_62:

(Start: 9 @38888 has 590 MA's), (Start: 23 @38795 has 19 MA's), (33, 38741), (36, 38729), (39, 38702), (58, 38582), (74, 38474), (77, 38456), (78, 38450), (93, 38339), (100, 38303), (105, 38285), (107, 38273),

Gene: FatCactus_52 Start: 36745, Stop: 36098, Start Num: 9

Candidate Starts for FatCactus_52:

(Start: 9 @36745 has 590 MA's), (Start: 23 @36652 has 19 MA's), (30, 36610), (33, 36598), (36, 36586), (49, 36499), (58, 36451), (66, 36403), (71, 36355), (77, 36325), (89, 36226), (96, 36196), (105, 36154), (112, 36115),

Gene: Fayely_59 Start: 38887, Stop: 38258, Start Num: 9

Candidate Starts for Fayely_59:

(Start: 9 @38887 has 590 MA's), (Start: 23 @38794 has 19 MA's), (29, 38770), (36, 38746), (39, 38719), (42, 38704), (58, 38608), (59, 38602), (65, 38563), (67, 38542), (78, 38476), (85, 38416), (89, 38383), (100, 38329),

Gene: Fernando_62 Start: 38898, Stop: 38239, Start Num: 9

Candidate Starts for Fernando_62:

(Start: 9 @38898 has 590 MA's), (Start: 23 @38805 has 19 MA's), (33, 38751), (36, 38739), (39, 38712), (58, 38592), (74, 38484), (77, 38466), (78, 38460), (93, 38349), (100, 38313), (105, 38295), (107, 38283),

Gene: Fibonacci_59 Start: 38200, Stop: 37553, Start Num: 9

Candidate Starts for Fibonacci_59:

(Start: 9 @38200 has 590 MA's), (Start: 23 @38107 has 19 MA's), (36, 38053), (39, 38026), (44, 37996), (59, 37900), (67, 37840), (78, 37774), (80, 37759), (85, 37714), (88, 37705), (89, 37681), (100, 37627), (108, 37594),

Gene: FiringLine_59 Start: 39056, Stop: 38424, Start Num: 9

Candidate Starts for FiringLine_59:

(Start: 9 @39056 has 590 MA's), (Start: 23 @38963 has 19 MA's), (36, 38909), (44, 38852), (67, 38708), (77, 38648), (85, 38582), (89, 38549), (93, 38531), (100, 38495),

Gene: Flare16_59 Start: 38754, Stop: 38122, Start Num: 9

Candidate Starts for Flare16_59:

(Start: 9 @38754 has 590 MA's), (Start: 23 @38661 has 19 MA's), (36, 38607), (44, 38550), (54, 38496), (58, 38472), (59, 38466), (67, 38406), (77, 38346), (80, 38325), (85, 38280), (89, 38247), (100, 38193),

Gene: Flaverint_60 Start: 38658, Stop: 38011, Start Num: 9

Candidate Starts for Flaverint_60:

(Start: 9 @38658 has 590 MA's), (Start: 23 @38565 has 19 MA's), (36, 38511), (39, 38484), (44, 38454), (59, 38358), (67, 38298), (78, 38232), (80, 38217), (85, 38172), (88, 38163), (89, 38139), (100, 38085), (108, 38052),

Gene: Florean_55 Start: 38138, Stop: 37479, Start Num: 9

Candidate Starts for Florean_55:

(Start: 9 @38138 has 590 MA's), (Start: 23 @38045 has 19 MA's), (27, 38027), (33, 37991), (36, 37979), (39, 37952), (42, 37937), (58, 37832), (77, 37706), (78, 37700), (80, 37685), (81, 37670), (93, 37589), (98, 37562), (100, 37553), (114, 37487),

Gene: Florence1_51 Start: 37905, Stop: 37246, Start Num: 9

Candidate Starts for Florence1_51:

(Start: 9 @37905 has 590 MA's), (Start: 23 @37812 has 19 MA's), (27, 37794), (33, 37752), (36, 37740), (39, 37713), (41, 37701), (50, 37650), (78, 37473), (79, 37464), (81, 37443), (84, 37428), (85, 37413), (87, 37407), (89, 37380), (93, 37362), (98, 37335), (100, 37326), (105, 37308), (107, 37296), (108, 37293),

Gene: Florence4_53 Start: 37905, Stop: 37246, Start Num: 9

Candidate Starts for Florence4_53:

(Start: 9 @37905 has 590 MA's), (Start: 23 @37812 has 19 MA's), (27, 37794), (33, 37752), (36, 37740), (39, 37713), (41, 37701), (50, 37650), (78, 37473), (79, 37464), (81, 37443), (84, 37428), (85, 37413), (87, 37407), (89, 37380), (93, 37362), (98, 37335), (100, 37326), (105, 37308), (107, 37296), (108, 37293),

Gene: FlowerPower_57 Start: 30569, Stop: 29937, Start Num: 9

Candidate Starts for FlowerPower_57:

(Start: 9 @30569 has 590 MA's), (Start: 15 @30551 has 1 MA's), (17, 30539), (44, 30371), (47, 30347), (65, 30245), (77, 30164), (85, 30098), (94, 30044), (95, 30041),

Gene: Flux_55 Start: 38138, Stop: 37479, Start Num: 9

Candidate Starts for Flux_55:

(Start: 9 @38138 has 590 MA's), (Start: 23 @38045 has 19 MA's), (27, 38027), (33, 37991), (36, 37979), (39, 37952), (42, 37937), (58, 37832), (77, 37706), (78, 37700), (80, 37685), (81, 37670), (93, 37589), (98, 37562), (100, 37553), (114, 37487),

Gene: FlyCatcher_61 Start: 40954, Stop: 40307, Start Num: 9

Candidate Starts for FlyCatcher_61:

(Start: 9 @40954 has 590 MA's), (Start: 23 @40861 has 19 MA's), (26, 40846), (30, 40819), (34, 40804), (39, 40768), (41, 40756), (42, 40753), (50, 40705), (58, 40660), (67, 40594), (74, 40552), (78, 40528), (81, 40498), (90, 40432), (98, 40390), (100, 40381), (112, 40324), (114, 40315),

Gene: ForGetIt_53 Start: 38397, Stop: 37738, Start Num: 9

Candidate Starts for ForGetIt_53:

(Start: 9 @38397 has 590 MA's), (Start: 23 @38304 has 19 MA's), (27, 38286), (33, 38244), (36, 38232), (39, 38205), (41, 38193), (67, 38031), (78, 37965), (81, 37935), (85, 37905), (87, 37899), (89, 37872), (93, 37854), (98, 37827), (100, 37818), (105, 37800), (107, 37788), (108, 37785),

Gene: ForesterFrank_56 Start: 39371, Stop: 38739, Start Num: 9

Candidate Starts for ForesterFrank_56:

(Start: 9 @39371 has 590 MA's), (Start: 23 @39278 has 19 MA's), (36, 39224), (44, 39167), (59, 39083), (67, 39023), (78, 38957), (85, 38897), (89, 38864), (93, 38846), (100, 38810),

Gene: Fred313_57 Start: 38142, Stop: 37480, Start Num: 9

Candidate Starts for Fred313_57:

(Start: 9 @38142 has 590 MA's), (Start: 23 @38049 has 19 MA's), (33, 37995), (36, 37983), (39, 37956), (42, 37941), (50, 37893), (58, 37836), (66, 37788), (74, 37728), (78, 37704), (80, 37689), (81, 37674), (85, 37644), (93, 37593), (100, 37557), (105, 37539), (114, 37491),

Gene: Funston_54 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for Funston_54:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Gadost_55 Start: 38143, Stop: 37484, Start Num: 9

Candidate Starts for Gadost_55:

(Start: 9 @38143 has 590 MA's), (Start: 23 @38050 has 19 MA's), (27, 38032), (33, 37996), (36, 37984), (39, 37957), (42, 37942), (58, 37837), (77, 37711), (78, 37705), (80, 37690), (81, 37675), (93, 37594), (98, 37567), (100, 37558), (114, 37492),

Gene: GageAP_55 Start: 39744, Stop: 39100, Start Num: 13

Candidate Starts for GageAP_55:

(Start: 13 @39744 has 28 MA's), (30, 39621), (39, 39570), (41, 39558), (56, 39477), (61, 39429), (66, 39408), (67, 39390), (77, 39330), (85, 39264), (89, 39231), (93, 39213), (100, 39177), (107, 39147),

Gene: Gail_62 Start: 40003, Stop: 39377, Start Num: 9

Candidate Starts for Gail_62:

(Start: 9 @40003 has 590 MA's), (Start: 19 @39967 has 1 MA's), (Start: 23 @39910 has 19 MA's), (36, 39862), (44, 39805), (58, 39727), (67, 39661), (74, 39619), (80, 39580), (82, 39556), (85, 39535), (100, 39448), (108, 39415),

Gene: Gandalf20_57 Start: 40992, Stop: 40345, Start Num: 13

Candidate Starts for Gandalf20_57:

(Start: 13 @40992 has 28 MA's), (30, 40869), (39, 40818), (41, 40806), (56, 40725), (61, 40677), (66, 40656), (67, 40638), (77, 40578), (85, 40512), (89, 40479), (93, 40461), (100, 40425), (107, 40392), (108, 40389),

Gene: Garak_63 Start: 38202, Stop: 37570, Start Num: 9

Candidate Starts for Garak_63:

(Start: 9 @38202 has 590 MA's), (Start: 23 @38109 has 19 MA's), (36, 38055), (44, 37998), (59, 37914), (67, 37854), (85, 37728), (89, 37695), (93, 37677), (100, 37641), (105, 37623), (107, 37611), (108, 37608),

Gene: GaugeLDP_56 Start: 38955, Stop: 38323, Start Num: 9

Candidate Starts for GaugeLDP_56:

(Start: 9 @38955 has 590 MA's), (Start: 23 @38862 has 19 MA's), (36, 38808), (44, 38751), (58, 38673), (59, 38667), (67, 38607), (78, 38541), (80, 38526), (85, 38481), (89, 38448), (100, 38394),

Gene: Gemma_61 Start: 38780, Stop: 38121, Start Num: 9

Candidate Starts for Gemma_61:

(Start: 9 @38780 has 590 MA's), (Start: 23 @38687 has 19 MA's), (33, 38633), (36, 38621), (39, 38594), (58, 38474), (74, 38366), (77, 38348), (78, 38342), (89, 38249), (93, 38231), (100, 38195), (105, 38177), (107, 38165),

Gene: Georgie2_60 Start: 39101, Stop: 38469, Start Num: 9

Candidate Starts for Georgie2_60:

(Start: 9 @39101 has 590 MA's), (Start: 23 @39008 has 19 MA's), (36, 38954), (44, 38897), (67, 38753), (77, 38693), (85, 38627), (89, 38594), (93, 38576), (100, 38540),

Gene: Geostin_52 Start: 30569, Stop: 29937, Start Num: 9

Candidate Starts for Geostin_52:

(Start: 9 @30569 has 590 MA's), (Start: 15 @30551 has 1 MA's), (17, 30539), (44, 30371), (47, 30347), (65, 30245), (77, 30164), (85, 30098), (94, 30044), (95, 30041),

Gene: Ghoulboy_56 Start: 39276, Stop: 38614, Start Num: 9

Candidate Starts for Ghoulboy_56:

(Start: 9 @39276 has 590 MA's), (Start: 23 @39183 has 19 MA's), (27, 39165), (33, 39123), (36, 39111), (39, 39084), (41, 39072), (67, 38907), (78, 38841), (79, 38832), (81, 38811), (85, 38781), (87, 38775), (89, 38748), (98, 38703), (100, 38694), (105, 38676), (107, 38664), (108, 38661),

Gene: Gilberta_60 Start: 38651, Stop: 38004, Start Num: 9

Candidate Starts for Gilberta_60:

(Start: 9 @38651 has 590 MA's), (Start: 23 @38558 has 19 MA's), (36, 38504), (39, 38477), (44, 38447), (59, 38351), (67, 38291), (78, 38225), (80, 38210), (85, 38165), (88, 38156), (89, 38132), (100, 38078), (108, 38045),

Gene: GingkoMaracino_62 Start: 38784, Stop: 38125, Start Num: 9

Candidate Starts for GingkoMaracino_62:

(Start: 9 @38784 has 590 MA's), (Start: 23 @38691 has 19 MA's), (33, 38637), (36, 38625), (39, 38598), (58, 38478), (74, 38370), (77, 38352), (78, 38346), (93, 38235), (100, 38199), (105, 38181), (107, 38169),

Gene: GirlDinner_39 Start: 28706, Stop: 29365, Start Num: 6

Candidate Starts for GirlDinner_39:

(Start: 6 @28706 has 33 MA's), (17, 28754), (24, 28817), (41, 28907), (61, 29036), (80, 29156), (82, 29180), (85, 29201), (99, 29282),

Gene: Giroux_60 Start: 38548, Stop: 37889, Start Num: 9

Candidate Starts for Giroux_60:

(Start: 9 @38548 has 590 MA's), (Start: 23 @38455 has 19 MA's), (33, 38401), (36, 38389), (39, 38362), (42, 38347), (50, 38299), (58, 38242), (66, 38194), (77, 38116), (80, 38095), (81, 38080), (93, 37999), (100, 37963), (105, 37945), (114, 37897),

Gene: Gladiator_58 Start: 37427, Stop: 36795, Start Num: 9

Candidate Starts for Gladiator_58:

(Start: 9 @37427 has 590 MA's), (Start: 23 @37334 has 19 MA's), (36, 37280), (44, 37223), (59, 37139), (67, 37079), (85, 36953), (89, 36920), (93, 36902), (100, 36866), (105, 36848), (107, 36836), (108, 36833),

Gene: Goby_39 Start: 28637, Stop: 29302, Start Num: 7

Candidate Starts for Goby_39:

(Start: 7 @28637 has 37 MA's), (Start: 9 @28652 has 590 MA's), (11, 28655), (50, 28880), (58, 28937), (59, 28943), (61, 28964), (62, 28973), (69, 29009), (71, 29033), (74, 29045), (76, 29054), (77, 29063), (82, 29108), (85, 29129), (99, 29210), (104, 29231), (112, 29279),

Gene: Godpower_40 Start: 28632, Stop: 29297, Start Num: 7

Candidate Starts for Godpower_40:

(Start: 7 @28632 has 37 MA's), (Start: 9 @28647 has 590 MA's), (11, 28650), (36, 28791), (50, 28875), (58, 28932), (59, 28938), (61, 28959), (62, 28968), (69, 29004), (71, 29028), (74, 29040), (76, 29049), (77, 29058), (82, 29103), (85, 29124), (99, 29205), (104, 29226), (112, 29274),

Gene: Gollum_48 Start: 35278, Stop: 34619, Start Num: 9

Candidate Starts for Gollum_48:

(Start: 9 @35278 has 590 MA's), (28, 35155), (36, 35119), (39, 35092), (44, 35062), (49, 35032), (50, 35029), (51, 35023), (58, 34972), (65, 34927), (67, 34906), (77, 34846), (78, 34840), (105, 34675), (108, 34660),

Gene: Goose_56 Start: 37844, Stop: 37185, Start Num: 9

Candidate Starts for Goose_56:

(Start: 9 @37844 has 590 MA's), (Start: 23 @37751 has 19 MA's), (36, 37685), (39, 37658), (50, 37595), (58, 37538), (66, 37490), (74, 37430), (77, 37412), (78, 37406), (80, 37391), (81, 37376), (98, 37268), (100, 37259), (105, 37241), (107, 37229), (114, 37193),

Gene: Gratitude_58 Start: 38905, Stop: 38366, Start Num: 23

Candidate Starts for Gratitude_58:

(Start: 9 @38998 has 590 MA's), (Start: 23 @38905 has 19 MA's), (36, 38851), (44, 38794), (54, 38740), (58, 38716), (59, 38710), (67, 38650), (77, 38590), (80, 38569), (85, 38524), (89, 38491), (100, 38437),

Gene: GreedyLawyer_59 Start: 37718, Stop: 37086, Start Num: 9

Candidate Starts for GreedyLawyer_59:

(Start: 9 @37718 has 590 MA's), (Start: 23 @37625 has 19 MA's), (36, 37571), (44, 37514), (58, 37436), (67, 37370), (80, 37289), (85, 37244), (89, 37211), (93, 37193), (100, 37157), (107, 37127), (108, 37124),

Gene: GreenWeasel_41 Start: 28326, Stop: 28970, Start Num: 9

Candidate Starts for GreenWeasel_41:

(Start: 9 @28326 has 590 MA's), (17, 28356), (41, 28509), (61, 28638), (77, 28737), (80, 28758), (82, 28782), (85, 28803), (87, 28809), (104, 28905),

Gene: Gremlin23_57 Start: 30569, Stop: 29937, Start Num: 9

Candidate Starts for Gremlin23_57:

(Start: 9 @30569 has 590 MA's), (Start: 15 @30551 has 1 MA's), (17, 30539), (44, 30371), (47, 30347), (65, 30245), (77, 30164), (85, 30098), (94, 30044), (95, 30041),

Gene: Grif_62 Start: 38973, Stop: 38314, Start Num: 9

Candidate Starts for Grif_62:

(Start: 9 @38973 has 590 MA's), (Start: 23 @38880 has 19 MA's), (33, 38826), (36, 38814), (39, 38787), (58, 38667), (74, 38559), (77, 38541), (78, 38535), (93, 38424), (100, 38388), (105, 38370), (107, 38358),

Gene: Groundhog_58 Start: 38129, Stop: 37476, Start Num: 9

Candidate Starts for Groundhog_58:

(Start: 9 @38129 has 590 MA's), (Start: 23 @38036 has 19 MA's), (33, 37976), (36, 37964), (39, 37937), (48, 37880), (58, 37829), (59, 37823), (80, 37682), (81, 37667), (85, 37637), (89, 37604), (105, 37532), (106, 37523), (108, 37517), (112, 37493),

Gene: Groupthink_63 Start: 38784, Stop: 38125, Start Num: 9

Candidate Starts for Groupthink_63:

(Start: 9 @38784 has 590 MA's), (Start: 23 @38691 has 19 MA's), (33, 38637), (36, 38625), (39, 38598), (58, 38478), (74, 38370), (77, 38352), (78, 38346), (89, 38253), (93, 38235), (100, 38199), (105, 38181), (107, 38169),

Gene: Grub_62 Start: 38890, Stop: 38231, Start Num: 9

Candidate Starts for Grub_62:

(Start: 9 @38890 has 590 MA's), (Start: 23 @38797 has 19 MA's), (33, 38743), (36, 38731), (39, 38704), (58, 38584), (74, 38476), (77, 38458), (78, 38452), (93, 38341), (100, 38305), (105, 38287), (107, 38275),

Gene: Grum1_62 Start: 38898, Stop: 38239, Start Num: 9

Candidate Starts for Grum1_62:

(Start: 9 @38898 has 590 MA's), (Start: 23 @38805 has 19 MA's), (33, 38751), (36, 38739), (39, 38712), (58, 38592), (74, 38484), (77, 38466), (78, 38460), (93, 38349), (100, 38313), (105, 38295), (107, 38283),

Gene: Gruunaga_61 Start: 38126, Stop: 37494, Start Num: 9

Candidate Starts for Gruunaga_61:

(Start: 9 @38126 has 590 MA's), (Start: 23 @38033 has 19 MA's), (36, 37979), (44, 37922), (59, 37838), (67, 37778), (85, 37652), (89, 37619), (93, 37601), (100, 37565), (105, 37547), (107, 37535), (108, 37532),

Gene: GtownJaz_62 Start: 38900, Stop: 38241, Start Num: 9

Candidate Starts for GtownJaz_62:

(Start: 9 @38900 has 590 MA's), (Start: 23 @38807 has 19 MA's), (33, 38753), (36, 38741), (39, 38714), (58, 38594), (74, 38486), (77, 38468), (78, 38462), (93, 38351), (100, 38315), (105, 38297), (107, 38285),

Gene: Gwendoluna_58 Start: 41151, Stop: 40573, Start Num: 22

Candidate Starts for Gwendoluna_58:

(Start: 22 @41151 has 37 MA's), (30, 41094), (36, 41070), (39, 41043), (41, 41031), (49, 40983), (71, 40833), (89, 40704), (93, 40686), (100, 40650), (107, 40620),

Gene: Gwennie_61 Start: 38902, Stop: 38243, Start Num: 9

Candidate Starts for Gwennie_61:

(Start: 9 @38902 has 590 MA's), (Start: 23 @38809 has 19 MA's), (33, 38755), (36, 38743), (39, 38716), (58, 38596), (74, 38488), (77, 38470), (78, 38464), (93, 38353), (100, 38317), (105, 38299), (107, 38287),

Gene: HINdeR_52 Start: 39718, Stop: 39071, Start Num: 9

Candidate Starts for HINdeR_52:

(Start: 9 @39718 has 590 MA's), (Start: 23 @39625 has 19 MA's), (26, 39610), (36, 39559), (39, 39532), (41, 39520), (50, 39469), (58, 39424), (61, 39397), (74, 39316), (78, 39292), (81, 39262), (85, 39232), (90, 39196), (93, 39181), (98, 39154), (100, 39145), (107, 39115), (114, 39079),

Gene: Haizum_41 Start: 29074, Stop: 29736, Start Num: 6

Candidate Starts for Haizum_41:

(3, 28807), (Start: 6 @29074 has 33 MA's), (17, 29122), (24, 29185), (41, 29275), (50, 29320), (61, 29404), (80, 29524), (82, 29548), (85, 29569), (99, 29650), (104, 29668), (106, 29683), (112, 29716),

Gene: HamSlice_53 Start: 38137, Stop: 37478, Start Num: 9

Candidate Starts for HamSlice_53:

(Start: 9 @38137 has 590 MA's), (Start: 23 @38044 has 19 MA's), (27, 38026), (33, 37990), (36, 37978), (39, 37951), (42, 37936), (58, 37831), (77, 37705), (78, 37699), (80, 37684), (81, 37669), (93, 37588), (98, 37561), (100, 37552), (114, 37486),

Gene: Hank144_41 Start: 29070, Stop: 29729, Start Num: 6

Candidate Starts for Hank144_41:

(3, 28800), (Start: 6 @29070 has 33 MA's), (17, 29118), (20, 29133), (21, 29154), (24, 29181), (41, 29271), (61, 29400), (80, 29520), (82, 29544), (85, 29565), (99, 29646),

Gene: Hanray_57 Start: 38790, Stop: 38278, Start Num: 29

Candidate Starts for Hanray_57:

(Start: 9 @38907 has 590 MA's), (Start: 23 @38814 has 19 MA's), (29, 38790), (36, 38766), (39, 38739), (42, 38724), (58, 38628), (59, 38622), (65, 38583), (67, 38562), (78, 38496), (85, 38436), (89, 38403), (100, 38349), (107, 38319),

Gene: Happiness_54 Start: 38125, Stop: 37466, Start Num: 9

Candidate Starts for Happiness_54:

(Start: 9 @38125 has 590 MA's), (Start: 23 @38032 has 19 MA's), (33, 37978), (36, 37966), (39, 37939), (42, 37924), (58, 37819), (77, 37693), (80, 37672), (81, 37657), (93, 37576), (98, 37549), (100, 37540), (114, 37474),

Gene: Harlequin_47 Start: 35064, Stop: 34405, Start Num: 9

Candidate Starts for Harlequin_47:

(Start: 9 @35064 has 590 MA's), (28, 34941), (36, 34905), (39, 34878), (44, 34848), (49, 34818), (50, 34815), (51, 34809), (58, 34758), (65, 34713), (67, 34692), (78, 34626), (105, 34461), (108, 34446),

Gene: HarryHoudini_60 Start: 39184, Stop: 38552, Start Num: 9

Candidate Starts for HarryHoudini_60:

(Start: 9 @39184 has 590 MA's), (Start: 23 @39091 has 19 MA's), (36, 39037), (44, 38980), (58, 38902), (59, 38896), (67, 38836), (77, 38776), (80, 38755), (85, 38710), (89, 38677), (100, 38623),

Gene: HashRod_63 Start: 38926, Stop: 38267, Start Num: 9

Candidate Starts for HashRod_63:

(Start: 9 @38926 has 590 MA's), (Start: 23 @38833 has 19 MA's), (33, 38779), (36, 38767), (39, 38740), (58, 38620), (74, 38512), (77, 38494), (78, 38488), (93, 38377), (100, 38341), (105, 38323), (107, 38311),

Gene: HaugeAnator_58 Start: 30975, Stop: 30343, Start Num: 9

Candidate Starts for HaugeAnator_58:

(Start: 9 @30975 has 590 MA's), (Start: 15 @30957 has 1 MA's), (17, 30945), (24, 30885), (44, 30777), (45, 30759), (47, 30753), (78, 30564), (85, 30504),

Gene: HaveUMetTed_63 Start: 38769, Stop: 38110, Start Num: 9

Candidate Starts for HaveUMetTed_63:

(Start: 9 @38769 has 590 MA's), (Start: 23 @38676 has 19 MA's), (33, 38622), (36, 38610), (39, 38583), (58, 38463), (74, 38355), (77, 38337), (78, 38331), (89, 38238), (93, 38220), (100, 38184), (105, 38166), (107, 38154),

Gene: Heathen_58 Start: 38240, Stop: 37578, Start Num: 9

Candidate Starts for Heathen_58:

(Start: 9 @38240 has 590 MA's), (Start: 23 @38147 has 19 MA's), (33, 38093), (36, 38081), (39, 38054), (42, 38039), (50, 37991), (58, 37934), (66, 37886), (74, 37826), (78, 37802), (80, 37787), (81, 37772), (85, 37742), (93, 37691), (100, 37655), (105, 37637), (114, 37589),

Gene: Heffalump_58 Start: 39874, Stop: 39242, Start Num: 9

Candidate Starts for Heffalump_58:

(Start: 9 @39874 has 590 MA's), (Start: 23 @39781 has 19 MA's), (32, 39745), (36, 39727), (44, 39670), (59, 39586), (67, 39526), (77, 39466), (85, 39400), (89, 39367), (100, 39313),

Gene: HelDan_58 Start: 38456, Stop: 37794, Start Num: 9

Candidate Starts for HelDan_58:

(Start: 9 @38456 has 590 MA's), (Start: 23 @38363 has 19 MA's), (33, 38309), (36, 38297), (39, 38270), (42, 38255), (50, 38207), (58, 38150), (66, 38102), (74, 38042), (78, 38018), (80, 38003), (81, 37988), (85, 37958), (93, 37907), (100, 37871), (105, 37853), (114, 37805),

Gene: Heliosoles_61 Start: 38787, Stop: 38128, Start Num: 9

Candidate Starts for Heliosoles_61:

(Start: 9 @38787 has 590 MA's), (Start: 23 @38694 has 19 MA's), (33, 38640), (36, 38628), (39, 38601), (58, 38481), (74, 38373), (77, 38355), (78, 38349), (89, 38256), (93, 38238), (100, 38202), (105, 38184), (107, 38172),

Gene: Helmet_63 Start: 38202, Stop: 37570, Start Num: 9

Candidate Starts for Helmet_63:

(Start: 9 @38202 has 590 MA's), (Start: 23 @38109 has 19 MA's), (36, 38055), (44, 37998), (59, 37914), (67, 37854), (85, 37728), (89, 37695), (93, 37677), (100, 37641), (105, 37623), (107, 37611), (108, 37608),

Gene: Herbertwm_57 Start: 38832, Stop: 38206, Start Num: 9

Candidate Starts for Herbertwm_57:

(Start: 9 @38832 has 590 MA's), (Start: 23 @38739 has 19 MA's), (26, 38724), (36, 38691), (39, 38664), (44, 38634), (49, 38604), (54, 38580), (58, 38556), (59, 38550), (67, 38490), (77, 38430), (80, 38409), (81, 38394), (85, 38364), (89, 38331), (100, 38277), (107, 38247),

Gene: Hercules11_62 Start: 38907, Stop: 38248, Start Num: 9

Candidate Starts for Hercules11_62:

(Start: 9 @38907 has 590 MA's), (Start: 23 @38814 has 19 MA's), (33, 38760), (36, 38748), (39, 38721), (58, 38601), (74, 38493), (77, 38475), (78, 38469), (93, 38358), (100, 38322), (105, 38304), (107, 38292),

Gene: HermioneGrange_55 Start: 39118, Stop: 38471, Start Num: 13

Candidate Starts for HermioneGrange_55:

(Start: 13 @39118 has 28 MA's), (30, 38995), (39, 38944), (41, 38932), (56, 38851), (61, 38803), (66, 38782), (67, 38764), (85, 38638), (89, 38605), (93, 38587), (100, 38551), (107, 38518), (108, 38515),

Gene: Hexamo_61 Start: 37832, Stop: 37200, Start Num: 9

Candidate Starts for Hexamo_61:

(Start: 9 @37832 has 590 MA's), (Start: 23 @37739 has 19 MA's), (36, 37685), (44, 37628), (59, 37544), (67, 37484), (85, 37358), (89, 37325), (93, 37307), (100, 37271), (105, 37253), (107, 37241), (108, 37238),

Gene: Hippo_39 Start: 28192, Stop: 28857, Start Num: 7

Candidate Starts for Hippo_39:

(Start: 7 @28192 has 37 MA's), (Start: 9 @28207 has 590 MA's), (11, 28210), (36, 28351), (50, 28435), (58, 28492), (59, 28498), (61, 28519), (69, 28564), (71, 28588), (74, 28600), (76, 28609), (77, 28618), (82, 28663), (85, 28684), (99, 28765), (104, 28786), (112, 28834),

Gene: HippoHollow_59 Start: 40415, Stop: 39876, Start Num: 23

Candidate Starts for HippoHollow_59:

(Start: 23 @40415 has 19 MA's), (36, 40361), (44, 40304), (59, 40220), (67, 40160), (77, 40100), (85, 40034), (89, 40001), (93, 39983), (100, 39947),

Gene: Hiro_48 Start: 35540, Stop: 34881, Start Num: 9

Candidate Starts for Hiro_48:

(Start: 9 @35540 has 590 MA's), (28, 35417), (36, 35381), (39, 35354), (44, 35324), (49, 35294), (50, 35291), (51, 35285), (58, 35234), (65, 35189), (67, 35168), (78, 35102), (105, 34937), (108, 34922),

Gene: Holli_54 Start: 37929, Stop: 37270, Start Num: 9

Candidate Starts for Holli_54:

(Start: 9 @37929 has 590 MA's), (Start: 23 @37836 has 19 MA's), (27, 37818), (33, 37782), (36, 37770), (39, 37743), (42, 37728), (58, 37623), (77, 37497), (78, 37491), (80, 37476), (81, 37461), (93, 37380), (98, 37353), (100, 37344), (114, 37278),

Gene: Hookmount_57 Start: 38515, Stop: 37853, Start Num: 9

Candidate Starts for Hookmount_57:

(Start: 9 @38515 has 590 MA's), (Start: 23 @38422 has 19 MA's), (26, 38407), (33, 38368), (36, 38356), (39, 38329), (58, 38209), (66, 38161), (74, 38101), (77, 38083), (78, 38077), (80, 38062), (81, 38047), (100, 37930), (105, 37912),

Gene: Hoot_55 Start: 35569, Stop: 34937, Start Num: 9

Candidate Starts for Hoot_55:

(Start: 9 @35569 has 590 MA's), (Start: 23 @35476 has 19 MA's), (36, 35422), (44, 35365), (58, 35287), (67, 35221), (80, 35140), (85, 35095), (89, 35062), (93, 35044), (100, 35008), (107, 34978), (108, 34975),

Gene: Houdini22_55 Start: 38143, Stop: 37484, Start Num: 9

Candidate Starts for Houdini22_55:

(Start: 9 @38143 has 590 MA's), (Start: 23 @38050 has 19 MA's), (27, 38032), (33, 37996), (36, 37984), (39, 37957), (42, 37942), (58, 37837), (77, 37711), (78, 37705), (80, 37690), (81, 37675), (93, 37594), (98, 37567), (100, 37558), (114, 37492),

Gene: HuhtaEnerson15_53 Start: 38473, Stop: 37814, Start Num: 9

Candidate Starts for HuhtaEnerson15_53:

(Start: 9 @38473 has 590 MA's), (Start: 23 @38380 has 19 MA's), (27, 38362), (33, 38320), (36, 38308), (39, 38281), (41, 38269), (50, 38218), (78, 38041), (79, 38032), (81, 38011), (84, 37996), (85,

37981), (87, 37975), (89, 37948), (93, 37930), (98, 37903), (100, 37894), (105, 37876), (107, 37864), (108, 37861),

Gene: Hutc2_59 Start: 38200, Stop: 37553, Start Num: 9

Candidate Starts for Hutc2_59:

(Start: 9 @38200 has 590 MA's), (Start: 23 @38107 has 19 MA's), (36, 38053), (39, 38026), (44, 37996), (59, 37900), (67, 37840), (78, 37774), (80, 37759), (85, 37714), (88, 37705), (89, 37681), (100, 37627), (108, 37594),

Gene: Huxley_55 Start: 38200, Stop: 37541, Start Num: 9

Candidate Starts for Huxley_55:

(Start: 9 @38200 has 590 MA's), (Start: 23 @38107 has 19 MA's), (27, 38089), (33, 38053), (36, 38041), (39, 38014), (42, 37999), (58, 37894), (77, 37768), (78, 37762), (80, 37747), (81, 37732), (93, 37651), (98, 37624), (100, 37615), (114, 37549),

Gene: ICleared_55 Start: 38168, Stop: 37509, Start Num: 9

Candidate Starts for ICleared_55:

(Start: 9 @38168 has 590 MA's), (Start: 23 @38075 has 19 MA's), (27, 38057), (33, 38021), (36, 38009), (39, 37982), (42, 37967), (58, 37862), (77, 37736), (78, 37730), (80, 37715), (81, 37700), (93, 37619), (98, 37592), (100, 37583), (114, 37517),

Gene: Iceman_55 Start: 38425, Stop: 37766, Start Num: 9

Candidate Starts for Iceman_55:

(Start: 9 @38425 has 590 MA's), (Start: 23 @38332 has 19 MA's), (27, 38314), (33, 38278), (36, 38266), (39, 38239), (42, 38224), (58, 38119), (77, 37993), (78, 37987), (80, 37972), (81, 37957), (93, 37876), (98, 37849), (100, 37840), (114, 37774),

Gene: Idleandcovert_58 Start: 38549, Stop: 37890, Start Num: 9

Candidate Starts for Idleandcovert_58:

(Start: 9 @38549 has 590 MA's), (Start: 23 @38456 has 19 MA's), (33, 38402), (36, 38390), (39, 38363), (42, 38348), (50, 38300), (58, 38243), (66, 38195), (77, 38117), (80, 38096), (81, 38081), (93, 38000), (100, 37964), (105, 37946), (114, 37898),

Gene: Immanuel3_57 Start: 30978, Stop: 30346, Start Num: 9

Candidate Starts for Immanuel3_57:

(Start: 9 @30978 has 590 MA's), (Start: 15 @30960 has 1 MA's), (17, 30948), (24, 30888), (44, 30780), (45, 30762), (47, 30756), (78, 30567), (85, 30507),

Gene: Indigo_38 Start: 27816, Stop: 28481, Start Num: 7

Candidate Starts for Indigo_38:

(Start: 7 @27816 has 37 MA's), (Start: 9 @27831 has 590 MA's), (11, 27834), (36, 27975), (50, 28059), (58, 28116), (59, 28122), (61, 28143), (62, 28152), (69, 28188), (71, 28212), (74, 28224), (76, 28233), (77, 28242), (82, 28287), (99, 28389), (104, 28410), (112, 28458),

Gene: Indra_64 Start: 38203, Stop: 37571, Start Num: 9

Candidate Starts for Indra_64:

(Start: 9 @38203 has 590 MA's), (Start: 23 @38110 has 19 MA's), (36, 38056), (44, 37999), (59, 37915), (67, 37855), (85, 37729), (89, 37696), (93, 37678), (100, 37642), (105, 37624), (107, 37612), (108, 37609),

Gene: Insomnia_60 Start: 38618, Stop: 38064, Start Num: 23

Candidate Starts for Insomnia_60:

(Start: 9 @38711 has 590 MA's), (Start: 23 @38618 has 19 MA's), (36, 38564), (39, 38537), (44, 38507), (59, 38411), (67, 38351), (78, 38285), (80, 38270), (85, 38225), (88, 38216), (89, 38192), (100, 38138), (108, 38105),

Gene: Inyanga_51 Start: 37375, Stop: 36797, Start Num: 22

Candidate Starts for Inyanga_51:

(Start: 22 @37375 has 37 MA's), (30, 37318), (36, 37294), (39, 37267), (41, 37255), (49, 37207), (65, 37108), (71, 37057), (85, 36961), (89, 36928), (93, 36910), (100, 36874), (107, 36844),

Gene: Iqorha_51 Start: 37374, Stop: 36796, Start Num: 22

Candidate Starts for Iqorha_51:

(Start: 22 @37374 has 37 MA's), (30, 37317), (36, 37293), (39, 37266), (41, 37254), (49, 37206), (65, 37107), (71, 37056), (85, 36960), (89, 36927), (93, 36909), (100, 36873), (107, 36843),

Gene: Iracema64_56 Start: 38403, Stop: 37744, Start Num: 9

Candidate Starts for Iracema64_56:

(Start: 9 @38403 has 590 MA's), (Start: 23 @38310 has 19 MA's), (27, 38292), (33, 38256), (36, 38244), (39, 38217), (42, 38202), (58, 38097), (77, 37971), (78, 37965), (80, 37950), (81, 37935), (93, 37854), (98, 37827), (100, 37818), (114, 37752),

Gene: IronMan_58 Start: 39806, Stop: 39267, Start Num: 23

Candidate Starts for IronMan_58:

(Start: 23 @39806 has 19 MA's), (36, 39752), (39, 39725), (44, 39695), (58, 39617), (59, 39611), (67, 39551), (80, 39470), (85, 39425), (89, 39392), (100, 39338), (107, 39308),

Gene: Isca_57 Start: 38025, Stop: 37363, Start Num: 9

Candidate Starts for Isca_57:

(Start: 9 @38025 has 590 MA's), (Start: 23 @37932 has 19 MA's), (33, 37878), (36, 37866), (39, 37839), (42, 37824), (50, 37776), (58, 37719), (66, 37671), (74, 37611), (77, 37593), (78, 37587), (80, 37572), (81, 37557), (85, 37527), (93, 37476), (100, 37440), (105, 37422), (114, 37374),

Gene: Isiphiwo_58 Start: 37285, Stop: 36653, Start Num: 9

Candidate Starts for Isiphiwo_58:

(Start: 9 @37285 has 590 MA's), (Start: 23 @37192 has 19 MA's), (36, 37138), (44, 37081), (58, 37003), (67, 36937), (80, 36856), (85, 36811), (89, 36778), (93, 36760), (100, 36724), (107, 36694), (108, 36691),

Gene: Issmi_41 Start: 29674, Stop: 30336, Start Num: 6

Candidate Starts for Issmi_41:

(3, 29404), (Start: 6 @29674 has 33 MA's), (17, 29722), (24, 29785), (41, 29875), (50, 29920), (61, 30004), (80, 30124), (82, 30148), (99, 30250), (106, 30283), (112, 30316),

Gene: Itza_41 Start: 28661, Stop: 29311, Start Num: 9

Candidate Starts for Itza_41:

(Start: 7 @28646 has 37 MA's), (Start: 9 @28661 has 590 MA's), (35, 28802), (58, 28946), (71, 29042), (82, 29117), (99, 29219), (104, 29240), (106, 29255),

Gene: Iwokeuplikedis_61 Start: 38724, Stop: 38185, Start Num: 23

Candidate Starts for Iwokeuplikedis_61:

(Start: 23 @38724 has 19 MA's), (36, 38670), (39, 38643), (44, 38613), (54, 38559), (58, 38535), (63, 38496), (67, 38469), (80, 38388), (85, 38343), (93, 38292), (100, 38256),

Gene: JF2_56 Start: 36726, Stop: 36064, Start Num: 9

Candidate Starts for JF2_56:

(Start: 9 @36726 has 590 MA's), (Start: 23 @36633 has 19 MA's), (33, 36579), (36, 36567), (39, 36540), (42, 36525), (50, 36477), (58, 36420), (66, 36372), (74, 36312), (77, 36294), (78, 36288), (80, 36273), (81, 36258), (85, 36228), (93, 36177), (100, 36141), (105, 36123), (114, 36075),

Gene: JF4_56 Start: 36726, Stop: 36064, Start Num: 9

Candidate Starts for JF4_56:

(Start: 9 @36726 has 590 MA's), (Start: 23 @36633 has 19 MA's), (33, 36579), (36, 36567), (39, 36540), (42, 36525), (50, 36477), (58, 36420), (66, 36372), (74, 36312), (77, 36294), (78, 36288), (80, 36273), (81, 36258), (85, 36228), (93, 36177), (100, 36141), (105, 36123), (114, 36075),

Gene: JHC117_61 Start: 38897, Stop: 38238, Start Num: 9

Candidate Starts for JHC117_61:

(Start: 9 @38897 has 590 MA's), (Start: 23 @38804 has 19 MA's), (33, 38750), (36, 38738), (39, 38711), (58, 38591), (74, 38483), (77, 38465), (78, 38459), (93, 38348), (100, 38312), (105, 38294), (107, 38282),

Gene: JPandJE_58 Start: 31440, Stop: 30808, Start Num: 9

Candidate Starts for JPandJE_58:

(Start: 9 @31440 has 590 MA's), (Start: 15 @31422 has 1 MA's), (17, 31410), (24, 31350), (44, 31242), (45, 31224), (47, 31218), (62, 31125), (78, 31029), (85, 30969),

Gene: JSwag_65 Start: 38229, Stop: 37597, Start Num: 9

Candidate Starts for JSwag_65:

(Start: 9 @38229 has 590 MA's), (Start: 15 @38211 has 1 MA's), (Start: 23 @38136 has 19 MA's), (39, 38058), (42, 38043), (44, 38028), (64, 37908), (65, 37905), (76, 37833), (80, 37803), (89, 37725), (100, 37671),

Gene: Jaan_59 Start: 39966, Stop: 39427, Start Num: 23

Candidate Starts for Jaan_59:

(Start: 23 @39966 has 19 MA's), (36, 39912), (39, 39885), (44, 39855), (58, 39777), (59, 39771), (67, 39711), (80, 39630), (85, 39585), (89, 39552), (100, 39498), (107, 39468),

Gene: Jabiru_55 Start: 38377, Stop: 37715, Start Num: 9

Candidate Starts for Jabiru_55:

(Start: 9 @38377 has 590 MA's), (Start: 23 @38284 has 19 MA's), (27, 38266), (33, 38224), (36, 38212), (39, 38185), (41, 38173), (67, 38008), (78, 37942), (79, 37933), (81, 37912), (85, 37882), (87, 37876), (89, 37849), (93, 37831), (98, 37804), (100, 37795), (105, 37777), (107, 37765), (108, 37762),

Gene: Jabith_60 Start: 38712, Stop: 38065, Start Num: 9

Candidate Starts for Jabith_60:

(Start: 9 @38712 has 590 MA's), (Start: 23 @38619 has 19 MA's), (36, 38565), (39, 38538), (44, 38508), (59, 38412), (67, 38352), (78, 38286), (80, 38271), (85, 38226), (88, 38217), (89, 38193), (100, 38139), (108, 38106),

Gene: Janus_40 Start: 29046, Stop: 29705, Start Num: 6

Candidate Starts for Janus_40:

(Start: 6 @29046 has 33 MA's), (17, 29094), (24, 29157), (41, 29247), (61, 29376), (80, 29496), (82, 29520), (85, 29541), (99, 29622),

Gene: Jaykayelowell_53 Start: 38132, Stop: 37473, Start Num: 9

Candidate Starts for Jaykayelowell_53:

(Start: 9 @38132 has 590 MA's), (Start: 23 @38039 has 19 MA's), (27, 38021), (33, 37985), (36, 37973), (39, 37946), (42, 37931), (58, 37826), (77, 37700), (78, 37694), (80, 37679), (81, 37664), (93, 37583), (98, 37556), (100, 37547), (114, 37481),

Gene: Jeeves_63 Start: 38982, Stop: 38356, Start Num: 9

Candidate Starts for Jeeves_63:

(Start: 9 @38982 has 590 MA's), (Start: 19 @38946 has 1 MA's), (Start: 23 @38889 has 19 MA's), (36, 38841), (44, 38784), (58, 38706), (67, 38640), (74, 38598), (80, 38559), (82, 38535), (85, 38514), (100, 38427), (108, 38394),

Gene: JenCasNa_63 Start: 38898, Stop: 38239, Start Num: 9

Candidate Starts for JenCasNa_63:

(Start: 9 @38898 has 590 MA's), (Start: 23 @38805 has 19 MA's), (33, 38751), (36, 38739), (39, 38712), (58, 38592), (74, 38484), (77, 38466), (78, 38460), (93, 38349), (100, 38313), (105, 38295), (107, 38283),

Gene: JeppNRM_63 Start: 38785, Stop: 38126, Start Num: 9

Candidate Starts for JeppNRM_63:

(Start: 9 @38785 has 590 MA's), (Start: 23 @38692 has 19 MA's), (33, 38638), (36, 38626), (39, 38599), (58, 38479), (74, 38371), (77, 38353), (78, 38347), (89, 38254), (93, 38236), (100, 38200), (105, 38182), (107, 38170),

Gene: Jerm_61 Start: 39473, Stop: 38841, Start Num: 9

Candidate Starts for Jerm_61:

(Start: 9 @39473 has 590 MA's), (Start: 23 @39380 has 19 MA's), (36, 39326), (44, 39269), (59, 39185), (67, 39125), (77, 39065), (85, 38999), (89, 38966), (100, 38912),

Gene: Jerm2_56 Start: 39373, Stop: 38726, Start Num: 13

Candidate Starts for Jerm2_56:

(Start: 13 @39373 has 28 MA's), (30, 39250), (39, 39199), (41, 39187), (56, 39106), (61, 39058), (66, 39037), (67, 39019), (85, 38893), (89, 38860), (93, 38842), (100, 38806), (107, 38773), (108, 38770),

Gene: Jester_47 Start: 34995, Stop: 34336, Start Num: 9

Candidate Starts for Jester_47:

(Start: 9 @34995 has 590 MA's), (28, 34872), (36, 34836), (39, 34809), (44, 34779), (49, 34749), (50, 34746), (51, 34740), (58, 34689), (65, 34644), (67, 34623), (78, 34557), (105, 34392), (108, 34377),

Gene: JetBlade_55 Start: 38133, Stop: 37474, Start Num: 9

Candidate Starts for JetBlade_55:

(Start: 9 @38133 has 590 MA's), (Start: 23 @38040 has 19 MA's), (27, 38022), (33, 37986), (36, 37974), (39, 37947), (42, 37932), (58, 37827), (77, 37701), (78, 37695), (80, 37680), (81, 37665), (93, 37584), (98, 37557), (100, 37548), (114, 37482),

Gene: Jevington_42 Start: 29464, Stop: 30126, Start Num: 6

Candidate Starts for Jevington_42:

(Start: 6 @29464 has 33 MA's), (17, 29512), (20, 29527), (21, 29548), (31, 29605), (41, 29665), (50, 29710), (61, 29794), (80, 29914), (82, 29938), (85, 29959),

Gene: JewelBug_61 Start: 37924, Stop: 37292, Start Num: 9

Candidate Starts for JewelBug_61:

(Start: 9 @37924 has 590 MA's), (Start: 23 @37831 has 19 MA's), (36, 37777), (44, 37720), (58, 37642), (67, 37576), (80, 37495), (85, 37450), (89, 37417), (93, 37399), (100, 37363), (107, 37333), (108, 37330),

Gene: Jhitchelle_40 Start: 29246, Stop: 29803, Start Num: 24

Candidate Starts for Jhitchelle_40:

(Start: 7 @29138 has 37 MA's), (Start: 9 @29153 has 590 MA's), (24, 29246), (50, 29381), (58, 29438), (59, 29444), (61, 29465), (62, 29474), (71, 29534), (72, 29537), (74, 29546), (82, 29609), (99, 29711),

Gene: Jiawan_57 Start: 38939, Stop: 38310, Start Num: 9

Candidate Starts for Jiawan_57:

(Start: 9 @38939 has 590 MA's), (Start: 23 @38846 has 19 MA's), (29, 38822), (36, 38798), (39, 38771), (42, 38756), (58, 38660), (59, 38654), (65, 38615), (67, 38594), (78, 38528), (85, 38468), (89, 38435), (100, 38381), (107, 38351),

Gene: Jobu08_60 Start: 38730, Stop: 38071, Start Num: 9

Candidate Starts for Jobu08_60:

(Start: 9 @38730 has 590 MA's), (Start: 23 @38637 has 19 MA's), (33, 38583), (36, 38571), (39, 38544), (58, 38424), (74, 38316), (77, 38298), (78, 38292), (93, 38181), (100, 38145), (105, 38127), (107, 38115),

Gene: JoongJeon_54 Start: 38136, Stop: 37477, Start Num: 9

Candidate Starts for JoongJeon_54:

(Start: 9 @38136 has 590 MA's), (Start: 23 @38043 has 19 MA's), (27, 38025), (33, 37989), (36, 37977), (39, 37950), (42, 37935), (58, 37830), (77, 37704), (78, 37698), (80, 37683), (81, 37668), (93, 37587), (98, 37560), (100, 37551), (114, 37485),

Gene: Jordennis_59 Start: 37405, Stop: 36773, Start Num: 9

Candidate Starts for Jordennis_59:

(Start: 9 @37405 has 590 MA's), (Start: 23 @37312 has 19 MA's), (36, 37258), (44, 37201), (58, 37123), (67, 37057), (80, 36976), (85, 36931), (89, 36898), (93, 36880), (100, 36844), (107, 36814), (108, 36811),

Gene: Joselito_60 Start: 38660, Stop: 38013, Start Num: 9

Candidate Starts for Joselito_60:

(Start: 9 @38660 has 590 MA's), (Start: 23 @38567 has 19 MA's), (36, 38513), (39, 38486), (44, 38456), (59, 38360), (67, 38300), (78, 38234), (80, 38219), (85, 38174), (88, 38165), (89, 38141), (100, 38087), (108, 38054),

Gene: JoshKayV_61 Start: 39537, Stop: 38905, Start Num: 9

Candidate Starts for JoshKayV_61:

(Start: 9 @39537 has 590 MA's), (Start: 23 @39444 has 19 MA's), (32, 39408), (36, 39390), (44, 39333), (59, 39249), (67, 39189), (77, 39129), (85, 39063), (89, 39030), (100, 38976),

Gene: Journey13_53 Start: 37443, Stop: 36811, Start Num: 9

Candidate Starts for Journey13_53:

(Start: 9 @37443 has 590 MA's), (Start: 23 @37350 has 19 MA's), (36, 37296), (39, 37269), (44, 37239), (58, 37161), (67, 37095), (70, 37074), (77, 37035), (80, 37014), (85, 36969), (89, 36936), (100, 36882),

Gene: Jovo_53 Start: 38653, Stop: 37994, Start Num: 9

Candidate Starts for Jovo_53:

(Start: 9 @38653 has 590 MA's), (Start: 23 @38560 has 19 MA's), (27, 38542), (33, 38500), (36, 38488), (39, 38461), (41, 38449), (67, 38287), (78, 38221), (81, 38191), (85, 38161), (87, 38155), (89, 38128), (93, 38110), (98, 38083), (100, 38074), (105, 38056), (107, 38044), (108, 38041),

Gene: Jsquared_58 Start: 38243, Stop: 37611, Start Num: 9

Candidate Starts for Jsquared_58:

(Start: 9 @38243 has 590 MA's), (Start: 23 @38150 has 19 MA's), (36, 38096), (39, 38069), (44, 38039), (58, 37961), (67, 37895), (77, 37835), (80, 37814), (85, 37769), (89, 37736), (93, 37718), (100, 37682),

Gene: KADY_62 Start: 38926, Stop: 38267, Start Num: 9

Candidate Starts for KADY_62:

(Start: 9 @38926 has 590 MA's), (Start: 23 @38833 has 19 MA's), (33, 38779), (36, 38767), (39, 38740), (58, 38620), (74, 38512), (77, 38494), (78, 38488), (93, 38377), (100, 38341), (105, 38323), (107, 38311),

Gene: KBG_55 Start: 41113, Stop: 40469, Start Num: 13

Candidate Starts for KBG_55:

(Start: 13 @41113 has 28 MA's), (30, 40990), (39, 40939), (41, 40927), (61, 40798), (66, 40777), (67, 40759), (85, 40633), (86, 40630), (89, 40600), (93, 40582), (100, 40546), (107, 40516),

Gene: KFPoly_54 Start: 38133, Stop: 37474, Start Num: 9

Candidate Starts for KFPoly_54:

(Start: 9 @38133 has 590 MA's), (Start: 23 @38040 has 19 MA's), (27, 38022), (33, 37986), (36, 37974), (39, 37947), (42, 37932), (58, 37827), (77, 37701), (78, 37695), (80, 37680), (81, 37665), (93, 37584), (98, 37557), (100, 37548), (114, 37482),

Gene: Kachowdy_58 Start: 38492, Stop: 37830, Start Num: 9

Candidate Starts for Kachowdy_58:

(Start: 9 @38492 has 590 MA's), (Start: 23 @38399 has 19 MA's), (33, 38345), (36, 38333), (39, 38306), (42, 38291), (50, 38243), (58, 38186), (66, 38138), (74, 38078), (78, 38054), (80, 38039), (81, 38024), (85, 37994), (93, 37943), (100, 37907), (105, 37889), (114, 37841),

Gene: Kaine_40 Start: 29416, Stop: 30081, Start Num: 7

Candidate Starts for Kaine_40:

(Start: 7 @29416 has 37 MA's), (Start: 9 @29431 has 590 MA's), (50, 29659), (58, 29716), (59, 29722), (61, 29743), (62, 29752), (71, 29812), (72, 29815), (74, 29824), (82, 29887), (85, 29908), (99, 29989), (104, 30010),

Gene: Kalb97_63 Start: 38783, Stop: 38124, Start Num: 9

Candidate Starts for Kalb97_63:

(Start: 9 @38783 has 590 MA's), (Start: 23 @38690 has 19 MA's), (33, 38636), (36, 38624), (39, 38597), (58, 38477), (74, 38369), (77, 38351), (78, 38345), (89, 38252), (93, 38234), (100, 38198), (105, 38180), (107, 38168),

Gene: Kalnoky_63 Start: 38781, Stop: 38122, Start Num: 9

Candidate Starts for Kalnoky_63:

(Start: 9 @38781 has 590 MA's), (Start: 23 @38688 has 19 MA's), (33, 38634), (36, 38622), (39, 38595), (58, 38475), (74, 38367), (77, 38349), (78, 38343), (89, 38250), (93, 38232), (100, 38196), (105, 38178), (107, 38166),

Gene: Kalpine_57 Start: 39098, Stop: 38466, Start Num: 9

Candidate Starts for Kalpine_57:

(Start: 9 @39098 has 590 MA's), (Start: 23 @39005 has 19 MA's), (36, 38951), (39, 38924), (42, 38909), (44, 38894), (59, 38810), (67, 38750), (85, 38624), (89, 38591), (93, 38573), (100, 38537),

Gene: Kampy_54 Start: 38141, Stop: 37482, Start Num: 9

Candidate Starts for Kampy_54:

(Start: 9 @38141 has 590 MA's), (Start: 23 @38048 has 19 MA's), (27, 38030), (33, 37994), (36, 37982), (39, 37955), (42, 37940), (58, 37835), (77, 37709), (78, 37703), (80, 37688), (81, 37673), (93, 37592), (98, 37565), (100, 37556), (114, 37490),

Gene: Katalie_39 Start: 28378, Stop: 29028, Start Num: 9

Candidate Starts for Katalie_39:

(Start: 7 @28363 has 37 MA's), (Start: 9 @28378 has 590 MA's), (11, 28381), (50, 28606), (58, 28663), (59, 28669), (61, 28690), (62, 28699), (71, 28759), (74, 28771), (76, 28780), (77, 28789), (82, 28834), (85, 28855), (99, 28936), (104, 28957), (112, 29005),

Gene: Katalie136_54 Start: 38092, Stop: 37433, Start Num: 9

Candidate Starts for Katalie136_54:

(Start: 9 @38092 has 590 MA's), (Start: 23 @37999 has 19 MA's), (27, 37981), (33, 37945), (36, 37933), (39, 37906), (42, 37891), (58, 37786), (77, 37660), (80, 37639), (81, 37624), (93, 37543), (100, 37507), (114, 37441),

Gene: KatherineG_66 Start: 38702, Stop: 38070, Start Num: 9

Candidate Starts for KatherineG_66:

(Start: 9 @38702 has 590 MA's), (Start: 15 @38684 has 1 MA's), (Start: 23 @38609 has 19 MA's), (39, 38531), (42, 38516), (44, 38501), (64, 38381), (65, 38378), (76, 38306), (80, 38276), (89, 38198), (100, 38144),

Gene: Kazan_61 Start: 37724, Stop: 37092, Start Num: 9

Candidate Starts for Kazan_61:

(Start: 9 @37724 has 590 MA's), (Start: 23 @37631 has 19 MA's), (36, 37577), (44, 37520), (58, 37442), (67, 37376), (80, 37295), (85, 37250), (89, 37217), (93, 37199), (100, 37163), (107, 37133), (108, 37130),

Gene: Keiki_30 Start: 21272, Stop: 20601, Start Num: 12

Candidate Starts for Keiki_30:

(Start: 12 @21272 has 44 MA's), (44, 21059), (50, 21020), (62, 20927), (65, 20918), (67, 20897), (71, 20867), (91, 20732), (98, 20690), (110, 20633), (113, 20612),

Gene: KekoraPapaka_55 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for KekoraPapaka_55:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Kerberos_61 Start: 38900, Stop: 38268, Start Num: 9

Candidate Starts for Kerberos_61:

(Start: 9 @38900 has 590 MA's), (Start: 23 @38807 has 19 MA's), (36, 38753), (39, 38726), (44, 38696), (58, 38618), (59, 38612), (67, 38552), (80, 38471), (85, 38426), (89, 38393), (93, 38375), (100, 38339),

Gene: Keziacharles14_59 Start: 39995, Stop: 39366, Start Num: 9

Candidate Starts for Keziacharles14_59:

(Start: 9 @39995 has 590 MA's), (Start: 23 @39902 has 19 MA's), (36, 39854), (39, 39827), (58, 39716), (65, 39671), (67, 39650), (74, 39608), (77, 39590), (85, 39524), (89, 39491), (100, 39437), (109, 39401),

Gene: Kimba_59 Start: 38139, Stop: 37585, Start Num: 23

Candidate Starts for Kimba_59:

(Start: 9 @38232 has 590 MA's), (Start: 23 @38139 has 19 MA's), (36, 38085), (39, 38058), (44, 38028), (59, 37932), (67, 37872), (78, 37806), (80, 37791), (85, 37746), (88, 37737), (89, 37713), (100, 37659), (108, 37626),

Gene: Kimona_55 Start: 36769, Stop: 36110, Start Num: 9

Candidate Starts for Kimona_55:

(Start: 9 @36769 has 590 MA's), (Start: 23 @36676 has 19 MA's), (26, 36661), (33, 36622), (36, 36610), (39, 36583), (49, 36523), (58, 36463), (78, 36331), (80, 36316), (81, 36301), (85, 36271), (100, 36184), (105, 36166), (107, 36154), (114, 36118),

Gene: KingCyrus_61 Start: 40654, Stop: 40022, Start Num: 9

Candidate Starts for KingCyrus_61:

(Start: 9 @40654 has 590 MA's), (Start: 23 @40561 has 19 MA's), (36, 40507), (44, 40450), (59, 40366), (67, 40306), (77, 40246), (85, 40180), (89, 40147), (100, 40093),

Gene: Kingmustik0402_55 Start: 38128, Stop: 37469, Start Num: 9

Candidate Starts for Kingmustik0402_55:

(Start: 9 @38128 has 590 MA's), (Start: 23 @38035 has 19 MA's), (27, 38017), (33, 37981), (36, 37969), (39, 37942), (42, 37927), (58, 37822), (77, 37696), (78, 37690), (80, 37675), (81, 37660), (93, 37579), (98, 37552), (100, 37543), (114, 37477),

Gene: Kipper29_60 Start: 37737, Stop: 37105, Start Num: 9

Candidate Starts for Kipper29_60:

(Start: 9 @37737 has 590 MA's), (Start: 23 @37644 has 19 MA's), (36, 37590), (44, 37533), (58, 37455), (67, 37389), (80, 37308), (85, 37263), (89, 37230), (93, 37212), (100, 37176), (107, 37146), (108, 37143),

Gene: KittenMittens_53 Start: 37274, Stop: 36615, Start Num: 9

Candidate Starts for KittenMittens_53:

(Start: 9 @37274 has 590 MA's), (Start: 23 @37181 has 19 MA's), (36, 37115), (39, 37088), (50, 37025), (58, 36968), (66, 36920), (80, 36821), (81, 36806), (98, 36698), (100, 36689), (107, 36659), (114, 36623),

Gene: Klodlith_58 Start: 38610, Stop: 37984, Start Num: 9

Candidate Starts for Klodlith_58:

(Start: 9 @38610 has 590 MA's), (Start: 23 @38517 has 19 MA's), (36, 38469), (39, 38442), (58, 38334), (59, 38328), (67, 38268), (74, 38226), (80, 38187), (85, 38142), (100, 38055),

Gene: Koan_53 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for Koan_53:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Koko_62 Start: 38263, Stop: 37631, Start Num: 9

Candidate Starts for Koko_62:

(Start: 9 @38263 has 590 MA's), (Start: 23 @38170 has 19 MA's), (36, 38116), (44, 38059), (59, 37975), (67, 37915), (85, 37789), (89, 37756), (93, 37738), (100, 37702), (105, 37684), (107, 37672), (108, 37669),

Gene: Koreni_54 Start: 37820, Stop: 37161, Start Num: 9

Candidate Starts for Koreni_54:

(Start: 9 @37820 has 590 MA's), (Start: 23 @37727 has 19 MA's), (27, 37709), (33, 37673), (36, 37661), (39, 37634), (42, 37619), (58, 37514), (77, 37388), (78, 37382), (80, 37367), (81, 37352), (93, 37271), (98, 37244), (100, 37235), (114, 37169),

Gene: Kratark_55 Start: 38261, Stop: 37602, Start Num: 9

Candidate Starts for Kratark_55:

(Start: 9 @38261 has 590 MA's), (Start: 23 @38168 has 19 MA's), (27, 38150), (33, 38114), (36, 38102), (39, 38075), (42, 38060), (58, 37955), (77, 37829), (78, 37823), (80, 37808), (81, 37793), (93, 37712), (100, 37676), (114, 37610),

Gene: Kremtemulon_55 Start: 38087, Stop: 37428, Start Num: 9

Candidate Starts for Kremtemulon_55:

(Start: 9 @38087 has 590 MA's), (Start: 23 @37994 has 19 MA's), (27, 37976), (33, 37940), (36, 37928), (39, 37901), (42, 37886), (58, 37781), (77, 37655), (78, 37649), (80, 37634), (81, 37619), (93, 37538), (98, 37511), (100, 37502), (114, 37436),

Gene: Krishelle_48 Start: 35640, Stop: 34981, Start Num: 9

Candidate Starts for Krishelle_48:

(Start: 9 @35640 has 590 MA's), (28, 35517), (36, 35481), (39, 35454), (44, 35424), (49, 35394), (50, 35391), (51, 35385), (58, 35334), (65, 35289), (67, 35268), (77, 35208), (78, 35202), (105, 35037), (108, 35022),

Gene: Kristoff_55 Start: 38419, Stop: 37760, Start Num: 9

Candidate Starts for Kristoff_55:

(Start: 9 @38419 has 590 MA's), (Start: 23 @38326 has 19 MA's), (36, 38260), (39, 38233), (50, 38170), (58, 38113), (66, 38065), (74, 38005), (77, 37987), (80, 37966), (81, 37951), (98, 37843), (100, 37834), (105, 37816), (107, 37804), (114, 37768),

Gene: Kubed_30 Start: 21328, Stop: 20657, Start Num: 12

Candidate Starts for Kubed_30:

(Start: 12 @21328 has 44 MA's), (14, 21316), (18, 21301), (44, 21115), (50, 21076), (58, 21019), (62, 20983), (65, 20974), (71, 20923), (91, 20788), (98, 20746), (110, 20689), (113, 20668),

Gene: Kugel_55 Start: 40035, Stop: 39454, Start Num: 22

Candidate Starts for Kugel_55:

(Start: 22 @40035 has 37 MA's), (30, 39978), (36, 39954), (39, 39927), (41, 39915), (49, 39867), (65, 39768), (71, 39717), (85, 39621), (86, 39618), (89, 39588), (93, 39570), (100, 39534), (107, 39501), (108, 39498),

Gene: Kumquat_57 Start: 30551, Stop: 29919, Start Num: 9

Candidate Starts for Kumquat_57:

(Start: 9 @30551 has 590 MA's), (Start: 15 @30533 has 1 MA's), (17, 30521), (44, 30353), (47, 30329), (57, 30290), (65, 30227), (77, 30146), (85, 30080), (96, 30017),

Gene: KyMonks1A_57 Start: 39348, Stop: 38770, Start Num: 22

Candidate Starts for KyMonks1A_57:

(Start: 22 @39348 has 37 MA's), (30, 39291), (36, 39267), (39, 39240), (41, 39228), (49, 39180), (65, 39081), (71, 39030), (85, 38934), (89, 38901), (93, 38883), (100, 38847), (107, 38817),

Gene: Kyee_55 Start: 38137, Stop: 37478, Start Num: 9

Candidate Starts for Kyee_55:

(Start: 9 @38137 has 590 MA's), (Start: 23 @38044 has 19 MA's), (27, 38026), (33, 37990), (36, 37978), (39, 37951), (42, 37936), (58, 37831), (77, 37705), (78, 37699), (80, 37684), (81, 37669), (93,

37588), (98, 37561), (100, 37552), (114, 37486),

Gene: Kykar_54 Start: 38794, Stop: 38216, Start Num: 22

Candidate Starts for Kykar_54:

(Start: 22 @38794 has 37 MA's), (30, 38737), (36, 38713), (39, 38686), (41, 38674), (49, 38626), (71, 38476), (85, 38380), (86, 38377), (89, 38347), (93, 38329), (100, 38293), (107, 38263),

Gene: LBerry_63 Start: 38902, Stop: 38243, Start Num: 9

Candidate Starts for LBerry_63:

(Start: 9 @38902 has 590 MA's), (Start: 23 @38809 has 19 MA's), (33, 38755), (36, 38743), (39, 38716), (58, 38596), (74, 38488), (77, 38470), (78, 38464), (93, 38353), (100, 38317), (105, 38299), (107, 38287),

Gene: LHTSCC_57 Start: 38542, Stop: 37883, Start Num: 9

Candidate Starts for LHTSCC_57:

(Start: 9 @38542 has 590 MA's), (Start: 23 @38449 has 19 MA's), (33, 38395), (36, 38383), (39, 38356), (42, 38341), (58, 38236), (77, 38110), (80, 38089), (81, 38074), (93, 37993), (98, 37966), (100, 37957), (114, 37891),

Gene: LadyBird_64 Start: 39739, Stop: 39200, Start Num: 23

Candidate Starts for LadyBird_64:

(Start: 23 @39739 has 19 MA's), (36, 39685), (44, 39628), (59, 39544), (67, 39484), (78, 39418), (85, 39358), (89, 39325), (93, 39307), (100, 39271),

Gene: Lambert1_57 Start: 38514, Stop: 37852, Start Num: 9

Candidate Starts for Lambert1_57:

(Start: 9 @38514 has 590 MA's), (Start: 23 @38421 has 19 MA's), (26, 38406), (33, 38367), (36, 38355), (39, 38328), (58, 38208), (66, 38160), (74, 38100), (77, 38082), (78, 38076), (80, 38061), (81, 38046), (100, 37929), (105, 37911),

Gene: Landor_59 Start: 39884, Stop: 39345, Start Num: 23

Candidate Starts for Landor_59:

(Start: 23 @39884 has 19 MA's), (25, 39872), (36, 39830), (39, 39803), (44, 39773), (58, 39695), (59, 39689), (67, 39629), (80, 39548), (85, 39503), (89, 39470), (100, 39416), (107, 39386),

Gene: LappelDuVide_55 Start: 38138, Stop: 37479, Start Num: 9

Candidate Starts for LappelDuVide_55:

(Start: 9 @38138 has 590 MA's), (Start: 23 @38045 has 19 MA's), (27, 38027), (33, 37991), (36, 37979), (39, 37952), (42, 37937), (58, 37832), (77, 37706), (78, 37700), (80, 37685), (81, 37670), (93, 37589), (98, 37562), (100, 37553), (114, 37487),

Gene: Larenn_58 Start: 39063, Stop: 38431, Start Num: 9

Candidate Starts for Larenn_58:

(Start: 9 @39063 has 590 MA's), (Start: 23 @38970 has 19 MA's), (36, 38916), (44, 38859), (58, 38781), (59, 38775), (67, 38715), (77, 38655), (80, 38634), (85, 38589), (89, 38556), (100, 38502),

Gene: LarryKay_62 Start: 38928, Stop: 38269, Start Num: 9

Candidate Starts for LarryKay_62:

(Start: 9 @38928 has 590 MA's), (Start: 23 @38835 has 19 MA's), (33, 38781), (36, 38769), (39, 38742), (58, 38622), (74, 38514), (77, 38496), (78, 38490), (93, 38379), (100, 38343), (105, 38325), (107, 38313),

Gene: LastResort_64 Start: 38281, Stop: 37649, Start Num: 9

Candidate Starts for LastResort_64:

(Start: 9 @38281 has 590 MA's), (Start: 15 @38263 has 1 MA's), (Start: 23 @38188 has 19 MA's), (39, 38110), (42, 38095), (44, 38080), (64, 37960), (65, 37957), (76, 37885), (80, 37855), (89, 37777), (93, 37759), (100, 37723),

Gene: Lauchelly_30 Start: 21377, Stop: 20706, Start Num: 12

Candidate Starts for Lauchelly_30:

(Start: 12 @21377 has 44 MA's), (44, 21164), (50, 21125), (62, 21032), (65, 21023), (67, 21002), (71, 20972), (91, 20837), (98, 20795), (110, 20738), (113, 20717),

Gene: Lemur_55 Start: 38136, Stop: 37477, Start Num: 9

Candidate Starts for Lemur_55:

(Start: 9 @38136 has 590 MA's), (Start: 23 @38043 has 19 MA's), (27, 38025), (33, 37989), (36, 37977), (39, 37950), (42, 37935), (58, 37830), (77, 37704), (78, 37698), (80, 37683), (81, 37668), (93, 37587), (98, 37560), (100, 37551), (114, 37485),

Gene: LeoAvram_55 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for LeoAvram_55:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Leogania_59 Start: 39757, Stop: 39218, Start Num: 23

Candidate Starts for Leogania_59:

(Start: 23 @39757 has 19 MA's), (32, 39721), (36, 39703), (39, 39676), (44, 39646), (58, 39568), (59, 39562), (67, 39502), (77, 39442), (80, 39421), (85, 39376), (89, 39343), (100, 39289),

Gene: Lesedi_51 Start: 37772, Stop: 37194, Start Num: 22

Candidate Starts for Lesedi_51:

(Start: 22 @37772 has 37 MA's), (30, 37715), (36, 37691), (39, 37664), (41, 37652), (49, 37604), (71, 37454), (85, 37358), (89, 37325), (93, 37307), (100, 37271), (107, 37241),

Gene: Lev2_53 Start: 38285, Stop: 37626, Start Num: 9

Candidate Starts for Lev2_53:

(Start: 9 @38285 has 590 MA's), (Start: 23 @38192 has 19 MA's), (27, 38174), (33, 38132), (36, 38120), (39, 38093), (41, 38081), (67, 37919), (78, 37853), (81, 37823), (85, 37793), (87, 37787), (89, 37760), (93, 37742), (98, 37715), (100, 37706), (105, 37688), (107, 37676), (108, 37673),

Gene: Leviathan_61 Start: 39530, Stop: 38898, Start Num: 9

Candidate Starts for Leviathan_61:

(Start: 9 @39530 has 590 MA's), (Start: 23 @39437 has 19 MA's), (36, 39383), (44, 39326), (59, 39242), (67, 39182), (77, 39122), (85, 39056), (89, 39023), (100, 38969),

Gene: Leviosa_30 Start: 21373, Stop: 20702, Start Num: 12

Candidate Starts for Leviosa_30:

(Start: 12 @21373 has 44 MA's), (44, 21160), (50, 21121), (58, 21064), (62, 21028), (65, 21019), (67, 20998), (71, 20968), (91, 20833), (98, 20791), (110, 20734), (113, 20713),

Gene: Lika_39 Start: 28635, Stop: 29300, Start Num: 7

Candidate Starts for Lika_39:

(Start: 7 @28635 has 37 MA's), (Start: 9 @28650 has 590 MA's), (11, 28653), (36, 28794), (50, 28878), (58, 28935), (59, 28941), (61, 28962), (62, 28971), (69, 29007), (71, 29031), (74, 29043), (76, 29052), (77, 29061), (82, 29106), (85, 29127), (99, 29208), (104, 29229), (112, 29277),

Gene: LilBandit_30 Start: 21167, Stop: 20496, Start Num: 12

Candidate Starts for LilBandit_30:

(Start: 12 @21167 has 44 MA's), (44, 20954), (50, 20915), (58, 20858), (62, 20822), (65, 20813), (67, 20792), (71, 20762), (91, 20627), (98, 20585), (110, 20528), (113, 20507),

Gene: LilTurb_60 Start: 39354, Stop: 38722, Start Num: 9

Candidate Starts for LilTurb_60:

(Start: 9 @39354 has 590 MA's), (Start: 23 @39261 has 19 MA's), (36, 39207), (44, 39150), (59, 39066), (67, 39006), (77, 38946), (85, 38880), (89, 38847), (100, 38793),

Gene: Lilbunny_60 Start: 37833, Stop: 37201, Start Num: 9

Candidate Starts for Lilbunny_60:

(Start: 9 @37833 has 590 MA's), (Start: 23 @37740 has 19 MA's), (36, 37686), (44, 37629), (59, 37545), (67, 37485), (85, 37359), (89, 37326), (93, 37308), (100, 37272), (105, 37254), (107, 37242), (108, 37239),

Gene: Lilit_62 Start: 38891, Stop: 38232, Start Num: 9

Candidate Starts for Lilit_62:

(Start: 9 @38891 has 590 MA's), (Start: 23 @38798 has 19 MA's), (33, 38744), (36, 38732), (39, 38705), (58, 38585), (74, 38477), (77, 38459), (78, 38453), (93, 38342), (100, 38306), (105, 38288), (107, 38276),

Gene: LionsBait_61 Start: 40416, Stop: 39877, Start Num: 23

Candidate Starts for LionsBait_61:

(Start: 23 @40416 has 19 MA's), (36, 40362), (44, 40305), (59, 40221), (67, 40161), (77, 40101), (85, 40035), (89, 40002), (93, 39984), (100, 39948),

Gene: LittleB_55 Start: 38140, Stop: 37481, Start Num: 9

Candidate Starts for LittleB_55:

(Start: 9 @38140 has 590 MA's), (Start: 23 @38047 has 19 MA's), (27, 38029), (33, 37993), (36, 37981), (39, 37954), (42, 37939), (58, 37834), (77, 37708), (78, 37702), (80, 37687), (81, 37672), (93, 37591), (98, 37564), (100, 37555), (114, 37489),

Gene: LittleCherry_53 Start: 38493, Stop: 37834, Start Num: 9

Candidate Starts for LittleCherry_53:

(Start: 9 @38493 has 590 MA's), (Start: 23 @38400 has 19 MA's), (27, 38382), (33, 38340), (36, 38328), (39, 38301), (41, 38289), (50, 38238), (78, 38061), (79, 38052), (81, 38031), (84, 38016), (85, 38001), (87, 37995), (89, 37968), (93, 37950), (98, 37923), (100, 37914), (105, 37896), (107, 37884), (108, 37881),

Gene: LittleGuy_55 Start: 38035, Stop: 37376, Start Num: 9

Candidate Starts for LittleGuy_55:

(Start: 9 @38035 has 590 MA's), (Start: 23 @37942 has 19 MA's), (27, 37924), (33, 37888), (36, 37876), (39, 37849), (42, 37834), (58, 37729), (77, 37603), (78, 37597), (80, 37582), (81, 37567), (93, 37486), (98, 37459), (100, 37450), (114, 37384),

Gene: Lokk_56 Start: 38432, Stop: 37800, Start Num: 9

Candidate Starts for Lokk_56:

(Start: 9 @38432 has 590 MA's), (Start: 23 @38339 has 19 MA's), (36, 38285), (39, 38258), (58, 38150), (59, 38144), (67, 38084), (80, 38003), (85, 37958), (89, 37925), (93, 37907), (100, 37871),

Gene: LoneWolf_60 Start: 38884, Stop: 38258, Start Num: 9

Candidate Starts for LoneWolf_60:

(Start: 9 @38884 has 590 MA's), (Start: 23 @38791 has 19 MA's), (24, 38788), (36, 38743), (39, 38716), (42, 38701), (58, 38608), (59, 38602), (67, 38542), (74, 38500), (77, 38482), (80, 38461), (85, 38416), (89, 38383), (100, 38329),

Gene: Loofah_40 Start: 29235, Stop: 29897, Start Num: 6

Candidate Starts for Loofah_40:

(Start: 6 @29235 has 33 MA's), (17, 29283), (24, 29346), (31, 29376), (41, 29436), (50, 29481), (61, 29565), (62, 29574), (80, 29685), (82, 29709), (85, 29730), (104, 29829), (106, 29844), (111, 29865),

Gene: Looper_65 Start: 38193, Stop: 37561, Start Num: 9

Candidate Starts for Looper_65:

(Start: 9 @38193 has 590 MA's), (Start: 15 @38175 has 1 MA's), (Start: 23 @38100 has 19 MA's), (39, 38022), (42, 38007), (44, 37992), (64, 37872), (65, 37869), (76, 37797), (80, 37767), (89, 37689), (100, 37635),

Gene: Lopton_55 Start: 41306, Stop: 40662, Start Num: 13

Candidate Starts for Lopton_55:

(Start: 13 @41306 has 28 MA's), (30, 41183), (39, 41132), (41, 41120), (61, 40991), (66, 40970), (67, 40952), (85, 40826), (89, 40793), (93, 40775), (100, 40739), (107, 40709),

Gene: Lorelei_40 Start: 28695, Stop: 29360, Start Num: 7

Candidate Starts for Lorelei_40:

(Start: 7 @28695 has 37 MA's), (Start: 9 @28710 has 590 MA's), (11, 28713), (36, 28854), (50, 28938), (58, 28995), (59, 29001), (61, 29022), (71, 29091), (72, 29094), (74, 29103), (76, 29112), (77, 29121), (82, 29166), (85, 29187), (99, 29268), (104, 29289), (112, 29337),

Gene: Lorenzo_55 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for Lorenzo_55:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Loser_61 Start: 39619, Stop: 39080, Start Num: 23

Candidate Starts for Loser_61:

(Start: 23 @39619 has 19 MA's), (32, 39583), (36, 39565), (44, 39508), (58, 39430), (59, 39424), (65, 39385), (67, 39364), (80, 39283), (85, 39238), (89, 39205), (93, 39187), (100, 39151),

Gene: Louie6_61 Start: 38927, Stop: 38268, Start Num: 9

Candidate Starts for Louie6_61:

(Start: 9 @38927 has 590 MA's), (Start: 23 @38834 has 19 MA's), (33, 38780), (36, 38768), (39, 38741), (58, 38621), (74, 38513), (78, 38489), (100, 38342), (105, 38324), (107, 38312),

Gene: Lowa_62 Start: 38890, Stop: 38231, Start Num: 9

Candidate Starts for Lowa_62:

(Start: 9 @38890 has 590 MA's), (Start: 23 @38797 has 19 MA's), (33, 38743), (36, 38731), (39, 38704), (58, 38584), (74, 38476), (77, 38458), (78, 38452), (93, 38341), (100, 38305), (105, 38287), (107, 38275),

Gene: Luchador_62 Start: 40565, Stop: 39939, Start Num: 9

Candidate Starts for Luchador_62:

(Start: 9 @40565 has 590 MA's), (Start: 19 @40529 has 1 MA's), (Start: 23 @40472 has 19 MA's), (36, 40424), (44, 40367), (58, 40289), (67, 40223), (74, 40181), (80, 40142), (82, 40118), (85, 40097), (100,

40010), (108, 39977),

Gene: Lucivia_60 Start: 38709, Stop: 38062, Start Num: 9

Candidate Starts for Lucivia_60:

(Start: 9 @38709 has 590 MA's), (Start: 23 @38616 has 19 MA's), (36, 38562), (39, 38535), (44, 38505), (59, 38409), (67, 38349), (78, 38283), (80, 38268), (85, 38223), (88, 38214), (89, 38190), (100, 38136), (108, 38103),

Gene: Lucyedi_61 Start: 39216, Stop: 38578, Start Num: 9

Candidate Starts for Lucyedi_61:

(Start: 9 @39216 has 590 MA's), (Start: 23 @39123 has 19 MA's), (36, 39069), (39, 39042), (42, 39027), (44, 39012), (59, 38925), (67, 38865), (74, 38820), (81, 38766), (85, 38736), (93, 38685), (100, 38649),

Gene: LugYA_65 Start: 38899, Stop: 38240, Start Num: 9

Candidate Starts for LugYA_65:

(Start: 9 @38899 has 590 MA's), (Start: 23 @38806 has 19 MA's), (33, 38752), (36, 38740), (39, 38713), (58, 38593), (74, 38485), (77, 38467), (78, 38461), (93, 38350), (100, 38314), (105, 38296), (107, 38284),

Gene: Lunsford_56 Start: 38133, Stop: 37474, Start Num: 9

Candidate Starts for Lunsford_56:

(Start: 9 @38133 has 590 MA's), (Start: 23 @38040 has 19 MA's), (27, 38022), (33, 37986), (36, 37974), (39, 37947), (42, 37932), (58, 37827), (77, 37701), (78, 37695), (80, 37680), (81, 37665), (93, 37584), (98, 37557), (100, 37548), (114, 37482),

Gene: MA5_58 Start: 37926, Stop: 37264, Start Num: 9

Candidate Starts for MA5_58:

(Start: 9 @37926 has 590 MA's), (Start: 23 @37833 has 19 MA's), (33, 37779), (36, 37767), (39, 37740), (42, 37725), (50, 37677), (58, 37620), (66, 37572), (74, 37512), (77, 37494), (78, 37488), (80, 37473), (81, 37458), (85, 37428), (93, 37377), (100, 37341), (105, 37323), (114, 37275),

Gene: MEAK_30 Start: 21034, Stop: 20363, Start Num: 12

Candidate Starts for MEAK_30:

(Start: 12 @21034 has 44 MA's), (44, 20821), (50, 20782), (62, 20689), (65, 20680), (67, 20659), (71, 20629), (91, 20494), (98, 20452), (110, 20395), (113, 20374),

Gene: MK4_58 Start: 38010, Stop: 37348, Start Num: 9

Candidate Starts for MK4_58:

(Start: 9 @38010 has 590 MA's), (Start: 23 @37917 has 19 MA's), (33, 37863), (36, 37851), (39, 37824), (42, 37809), (50, 37761), (58, 37704), (66, 37656), (74, 37596), (77, 37578), (78, 37572), (80, 37557), (81, 37542), (85, 37512), (93, 37461), (100, 37425), (105, 37407), (114, 37359),

Gene: MPlant7149_53 Start: 37868, Stop: 37290, Start Num: 22

Candidate Starts for MPlant7149_53:

(Start: 22 @37868 has 37 MA's), (30, 37811), (36, 37787), (39, 37760), (41, 37748), (49, 37700), (71, 37550), (85, 37454), (86, 37451), (89, 37421), (93, 37403), (100, 37367), (107, 37337),

Gene: MaCh_60 Start: 38639, Stop: 37992, Start Num: 9

Candidate Starts for MaCh_60:

(Start: 9 @38639 has 590 MA's), (Start: 23 @38546 has 19 MA's), (36, 38492), (39, 38465), (44, 38435), (59, 38339), (67, 38279), (78, 38213), (80, 38198), (85, 38153), (88, 38144), (89, 38120), (100, 38066), (108, 38033),

Gene: Mabel_59 Start: 38241, Stop: 37594, Start Num: 9

Candidate Starts for Mabel_59:

(Start: 9 @38241 has 590 MA's), (Start: 23 @38148 has 19 MA's), (36, 38094), (39, 38067), (44, 38037), (59, 37941), (67, 37881), (78, 37815), (80, 37800), (85, 37755), (88, 37746), (89, 37722), (100, 37668), (108, 37635),

Gene: MadMarie_62 Start: 38900, Stop: 38241, Start Num: 9

Candidate Starts for MadMarie_62:

(Start: 9 @38900 has 590 MA's), (Start: 23 @38807 has 19 MA's), (33, 38753), (36, 38741), (39, 38714), (58, 38594), (74, 38486), (77, 38468), (78, 38462), (93, 38351), (100, 38315), (105, 38297), (107, 38285),

Gene: Magnar_54 Start: 39316, Stop: 38735, Start Num: 22

Candidate Starts for Magnar_54:

(Start: 22 @39316 has 37 MA's), (30, 39259), (36, 39235), (39, 39208), (41, 39196), (49, 39148), (71, 38998), (85, 38902), (86, 38899), (89, 38869), (93, 38851), (100, 38815), (107, 38782), (108, 38779),

Gene: Magnito_53 Start: 39035, Stop: 38457, Start Num: 22

Candidate Starts for Magnito_53:

(Start: 22 @39035 has 37 MA's), (30, 38978), (36, 38954), (39, 38927), (41, 38915), (49, 38867), (71, 38717), (85, 38621), (89, 38588), (93, 38570), (100, 38534), (107, 38504),

Gene: Mainiac_62 Start: 38892, Stop: 38233, Start Num: 9

Candidate Starts for Mainiac_62:

(Start: 9 @38892 has 590 MA's), (Start: 23 @38799 has 19 MA's), (33, 38745), (36, 38733), (39, 38706), (58, 38586), (74, 38478), (77, 38460), (78, 38454), (93, 38343), (100, 38307), (105, 38289), (107, 38277),

Gene: MajorMajor_59 Start: 38259, Stop: 37627, Start Num: 9

Candidate Starts for MajorMajor_59:

(Start: 9 @38259 has 590 MA's), (Start: 23 @38166 has 19 MA's), (26, 38151), (36, 38112), (39, 38085), (44, 38055), (58, 37977), (65, 37932), (67, 37911), (80, 37830), (85, 37785), (89, 37752), (93, 37734), (100, 37698),

Gene: Malec_59 Start: 39630, Stop: 38998, Start Num: 9

Candidate Starts for Malec_59:

(Start: 9 @39630 has 590 MA's), (Start: 23 @39537 has 19 MA's), (36, 39483), (44, 39426), (58, 39348), (59, 39342), (67, 39282), (77, 39222), (80, 39201), (85, 39156), (89, 39123), (100, 39069),

Gene: Malinsilva_64 Start: 38890, Stop: 38231, Start Num: 9

Candidate Starts for Malinsilva_64:

(Start: 9 @38890 has 590 MA's), (Start: 23 @38797 has 19 MA's), (33, 38743), (36, 38731), (39, 38704), (58, 38584), (74, 38476), (77, 38458), (78, 38452), (93, 38341), (100, 38305), (105, 38287), (107, 38275),

Gene: Maminiaina_58 Start: 38853, Stop: 38227, Start Num: 9

Candidate Starts for Maminiaina_58:

(Start: 9 @38853 has 590 MA's), (Start: 23 @38760 has 19 MA's), (36, 38712), (39, 38685), (58, 38577), (67, 38511), (80, 38430), (85, 38385), (100, 38298),

Gene: Manatee_56 Start: 39465, Stop: 38821, Start Num: 13

Candidate Starts for Manatee_56:

(Start: 13 @39465 has 28 MA's), (30, 39342), (39, 39291), (41, 39279), (61, 39150), (66, 39129), (67, 39111), (85, 38985), (89, 38952), (93, 38934), (100, 38898), (107, 38868),

Gene: Maneekul_39 Start: 28214, Stop: 28879, Start Num: 7

Candidate Starts for Maneekul_39:

(Start: 7 @28214 has 37 MA's), (Start: 9 @28229 has 590 MA's), (11, 28232), (50, 28457), (58, 28514), (59, 28520), (61, 28541), (69, 28586), (71, 28610), (74, 28622), (76, 28631), (77, 28640), (82, 28685), (85, 28706), (99, 28787), (104, 28808), (112, 28856),

Gene: Manu_62 Start: 38784, Stop: 38125, Start Num: 9

Candidate Starts for Manu_62:

(Start: 9 @38784 has 590 MA's), (Start: 23 @38691 has 19 MA's), (33, 38637), (36, 38625), (39, 38598), (58, 38478), (74, 38370), (77, 38352), (78, 38346), (89, 38253), (93, 38235), (100, 38199), (105, 38181), (107, 38169),

Gene: Manuel_55 Start: 30734, Stop: 30102, Start Num: 9

Candidate Starts for Manuel_55:

(Start: 9 @30734 has 590 MA's), (Start: 15 @30716 has 1 MA's), (17, 30704), (40, 30560), (44, 30536), (47, 30512), (52, 30497), (65, 30410), (77, 30329), (85, 30263), (94, 30209), (95, 30206),

Gene: MarQuardt_62 Start: 38900, Stop: 38241, Start Num: 9

Candidate Starts for MarQuardt_62:

(Start: 9 @38900 has 590 MA's), (Start: 23 @38807 has 19 MA's), (33, 38753), (36, 38741), (39, 38714), (58, 38594), (74, 38486), (77, 38468), (78, 38462), (93, 38351), (100, 38315), (105, 38297), (107, 38285),

Gene: Marav_43 Start: 29789, Stop: 30451, Start Num: 6

Candidate Starts for Marav_43:

(Start: 6 @29789 has 33 MA's), (17, 29837), (20, 29852), (21, 29873), (31, 29930), (41, 29990), (50, 30035), (61, 30119), (80, 30239), (82, 30263), (85, 30284), (112, 30431),

Gene: Marchesa_58 Start: 38442, Stop: 37780, Start Num: 9

Candidate Starts for Marchesa_58:

(Start: 9 @38442 has 590 MA's), (Start: 23 @38349 has 19 MA's), (33, 38295), (36, 38283), (39, 38256), (42, 38241), (50, 38193), (58, 38136), (66, 38088), (74, 38028), (78, 38004), (80, 37989), (81, 37974), (85, 37944), (93, 37893), (100, 37857), (105, 37839), (114, 37791),

Gene: Margo_57 Start: 38540, Stop: 37878, Start Num: 9

Candidate Starts for Margo_57:

(Start: 9 @38540 has 590 MA's), (Start: 23 @38447 has 19 MA's), (26, 38432), (33, 38393), (36, 38381), (39, 38354), (58, 38234), (66, 38186), (74, 38126), (77, 38108), (78, 38102), (80, 38087), (81, 38072), (100, 37955), (105, 37937),

Gene: Marie_61 Start: 38898, Stop: 38239, Start Num: 9

Candidate Starts for Marie_61:

(Start: 9 @38898 has 590 MA's), (Start: 23 @38805 has 19 MA's), (33, 38751), (36, 38739), (39, 38712), (58, 38592), (74, 38484), (77, 38466), (78, 38460), (93, 38349), (100, 38313), (105, 38295), (107, 38283),

Gene: Marius_63 Start: 38781, Stop: 38122, Start Num: 9

Candidate Starts for Marius_63:

(Start: 9 @38781 has 590 MA's), (Start: 23 @38688 has 19 MA's), (33, 38634), (36, 38622), (39, 38595), (58, 38475), (74, 38367), (77, 38349), (78, 38343), (89, 38250), (93, 38232), (100, 38196),

(105, 38178), (107, 38166),

Gene: MarysWell_53 Start: 38784, Stop: 38122, Start Num: 9

Candidate Starts for MarysWell_53:

(Start: 9 @38784 has 590 MA's), (Start: 23 @38691 has 19 MA's), (27, 38673), (33, 38631), (36, 38619), (39, 38592), (41, 38580), (67, 38415), (78, 38349), (81, 38319), (85, 38289), (87, 38283), (89, 38256), (93, 38238), (98, 38211), (100, 38202), (105, 38184), (107, 38172), (108, 38169),

Gene: Maverick_55 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for Maverick_55:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Maxo_56 Start: 38141, Stop: 37482, Start Num: 9

Candidate Starts for Maxo_56:

(Start: 9 @38141 has 590 MA's), (Start: 23 @38048 has 19 MA's), (27, 38030), (33, 37994), (36, 37982), (39, 37955), (42, 37940), (58, 37835), (77, 37709), (78, 37703), (80, 37688), (81, 37673), (93, 37592), (98, 37565), (100, 37556), (114, 37490),

Gene: Mayonnaise_54 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for Mayonnaise_54:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Mazhar510_55 Start: 38140, Stop: 37481, Start Num: 9

Candidate Starts for Mazhar510_55:

(Start: 9 @38140 has 590 MA's), (Start: 23 @38047 has 19 MA's), (27, 38029), (33, 37993), (36, 37981), (39, 37954), (42, 37939), (58, 37834), (77, 37708), (78, 37702), (80, 37687), (81, 37672), (93, 37591), (98, 37564), (100, 37555), (114, 37489),

Gene: McFly_60 Start: 37718, Stop: 37086, Start Num: 9

Candidate Starts for McFly_60:

(Start: 9 @37718 has 590 MA's), (Start: 23 @37625 has 19 MA's), (36, 37571), (44, 37514), (58, 37436), (67, 37370), (80, 37289), (85, 37244), (89, 37211), (93, 37193), (100, 37157), (107, 37127), (108, 37124),

Gene: Medusa_55 Start: 38138, Stop: 37479, Start Num: 9

Candidate Starts for Medusa_55:

(Start: 9 @38138 has 590 MA's), (Start: 23 @38045 has 19 MA's), (27, 38027), (33, 37991), (36, 37979), (39, 37952), (42, 37937), (58, 37832), (77, 37706), (78, 37700), (80, 37685), (81, 37670), (93, 37589), (98, 37562), (100, 37553), (114, 37487),

Gene: MeeZee_55 Start: 38136, Stop: 37477, Start Num: 9

Candidate Starts for MeeZee_55:

(Start: 9 @38136 has 590 MA's), (Start: 23 @38043 has 19 MA's), (27, 38025), (33, 37989), (36, 37977), (39, 37950), (42, 37935), (58, 37830), (77, 37704), (78, 37698), (80, 37683), (81, 37668), (93, 37587), (98, 37560), (100, 37551), (114, 37485),

Gene: Melvin_57 Start: 38134, Stop: 37475, Start Num: 9

Candidate Starts for Melvin_57:

(Start: 9 @38134 has 590 MA's), (Start: 23 @38041 has 19 MA's), (27, 38023), (33, 37987), (36, 37975), (39, 37948), (42, 37933), (58, 37828), (77, 37702), (78, 37696), (80, 37681), (81, 37666), (93, 37585), (98, 37558), (100, 37549), (114, 37483),

Gene: Methuselah_57 Start: 38922, Stop: 38263, Start Num: 9

Candidate Starts for Methuselah_57:

(Start: 9 @38922 has 590 MA's), (Start: 23 @38829 has 19 MA's), (33, 38775), (36, 38763), (39, 38736), (58, 38616), (74, 38508), (77, 38490), (78, 38484), (93, 38373), (100, 38337), (105, 38319), (107, 38307),

Gene: Micasa_54 Start: 38658, Stop: 37999, Start Num: 9

Candidate Starts for Micasa_54:

(Start: 9 @38658 has 590 MA's), (Start: 23 @38565 has 19 MA's), (27, 38547), (33, 38505), (36, 38493), (39, 38466), (41, 38454), (50, 38403), (78, 38226), (79, 38217), (81, 38196), (84, 38181), (85, 38166), (87, 38160), (89, 38133), (93, 38115), (98, 38088), (100, 38079), (105, 38061), (107, 38049), (108, 38046),

Gene: Microwolf_61 Start: 38914, Stop: 38255, Start Num: 9

Candidate Starts for Microwolf_61:

(Start: 9 @38914 has 590 MA's), (Start: 23 @38821 has 19 MA's), (33, 38767), (36, 38755), (39, 38728), (58, 38608), (74, 38500), (77, 38482), (78, 38476), (93, 38365), (100, 38329), (105, 38311), (107, 38299),

Gene: MiculUcigas_59 Start: 38657, Stop: 38025, Start Num: 9

Candidate Starts for MiculUcigas_59:

(Start: 9 @38657 has 590 MA's), (Start: 23 @38564 has 19 MA's), (36, 38510), (44, 38453), (54, 38399), (58, 38375), (59, 38369), (67, 38309), (77, 38249), (80, 38228), (85, 38183), (89, 38150), (100, 38096),

Gene: Midas2_52 Start: 38566, Stop: 37907, Start Num: 9

Candidate Starts for Midas2_52:

(Start: 9 @38566 has 590 MA's), (Start: 23 @38473 has 19 MA's), (27, 38455), (33, 38413), (36, 38401), (39, 38374), (41, 38362), (42, 38359), (67, 38200), (78, 38134), (79, 38125), (81, 38104), (84, 38089), (85, 38074), (87, 38068), (89, 38041), (93, 38023), (98, 37996), (100, 37987), (105, 37969), (107, 37957), (108, 37954),

Gene: Miko_56 Start: 39210, Stop: 38578, Start Num: 9

Candidate Starts for Miko_56:

(Start: 9 @39210 has 590 MA's), (Start: 23 @39117 has 19 MA's), (36, 39063), (39, 39036), (58, 38928), (59, 38922), (67, 38862), (80, 38781), (85, 38736), (89, 38703), (93, 38685), (100, 38649), (107, 38619),

Gene: Milcery_53 Start: 38441, Stop: 37782, Start Num: 9

Candidate Starts for Milcery_53:

(Start: 9 @38441 has 590 MA's), (Start: 23 @38348 has 19 MA's), (27, 38330), (33, 38288), (36, 38276), (39, 38249), (41, 38237), (50, 38186), (78, 38009), (79, 38000), (81, 37979), (84, 37964), (85, 37949), (87, 37943), (89, 37916), (93, 37898), (98, 37871), (100, 37862), (105, 37844), (107, 37832), (108, 37829),

Gene: Millski_54 Start: 38140, Stop: 37481, Start Num: 9

Candidate Starts for Millski_54:

(Start: 9 @38140 has 590 MA's), (Start: 23 @38047 has 19 MA's), (27, 38029), (33, 37993), (36, 37981), (39, 37954), (42, 37939), (58, 37834), (77, 37708), (78, 37702), (80, 37687), (81, 37672), (93,

37591), (98, 37564), (100, 37555), (114, 37489),

Gene: MinecraftSteve_66 Start: 38517, Stop: 37885, Start Num: 9

Candidate Starts for MinecraftSteve_66:

(Start: 9 @38517 has 590 MA's), (Start: 15 @38499 has 1 MA's), (Start: 23 @38424 has 19 MA's), (39, 38346), (42, 38331), (44, 38316), (64, 38196), (65, 38193), (76, 38121), (80, 38091), (89, 38013), (100, 37959),

Gene: Minispark_58 Start: 38609, Stop: 37983, Start Num: 9

Candidate Starts for Minispark_58:

(Start: 9 @38609 has 590 MA's), (Start: 19 @38573 has 1 MA's), (Start: 23 @38516 has 19 MA's), (36, 38468), (39, 38441), (41, 38429), (44, 38411), (58, 38333), (67, 38267), (74, 38225), (77, 38207), (80, 38186), (85, 38141), (89, 38108), (100, 38054),

Gene: Miramae_53 Start: 37553, Stop: 36894, Start Num: 9

Candidate Starts for Miramae_53:

(Start: 9 @37553 has 590 MA's), (Start: 23 @37460 has 19 MA's), (27, 37442), (33, 37406), (36, 37394), (39, 37367), (42, 37352), (58, 37247), (77, 37121), (80, 37100), (81, 37085), (93, 37004), (98, 36977), (100, 36968), (114, 36902),

Gene: Misomonster_63 Start: 38925, Stop: 38266, Start Num: 9

Candidate Starts for Misomonster_63:

(Start: 9 @38925 has 590 MA's), (Start: 23 @38832 has 19 MA's), (33, 38778), (36, 38766), (39, 38739), (58, 38619), (74, 38511), (77, 38493), (78, 38487), (93, 38376), (100, 38340), (105, 38322), (107, 38310),

Gene: MissWhite_58 Start: 37557, Stop: 36925, Start Num: 9

Candidate Starts for MissWhite_58:

(Start: 9 @37557 has 590 MA's), (Start: 23 @37464 has 19 MA's), (36, 37410), (39, 37383), (44, 37353), (58, 37275), (61, 37248), (67, 37209), (77, 37149), (80, 37128), (85, 37083), (89, 37050), (100, 36996),

Gene: Mkhuseli_53 Start: 37909, Stop: 37331, Start Num: 22

Candidate Starts for Mkhuseli_53:

(Start: 22 @37909 has 37 MA's), (30, 37852), (36, 37828), (39, 37801), (41, 37789), (49, 37741), (65, 37642), (71, 37591), (85, 37495), (86, 37492), (89, 37462), (93, 37444), (100, 37408), (107, 37378),

Gene: Molly_56 Start: 38286, Stop: 37708, Start Num: 22

Candidate Starts for Molly_56:

(Start: 22 @38286 has 37 MA's), (30, 38229), (36, 38205), (39, 38178), (41, 38166), (49, 38118), (71, 37968), (85, 37872), (86, 37869), (89, 37839), (93, 37821), (100, 37785), (107, 37755),

Gene: MoneyMay_62 Start: 38898, Stop: 38239, Start Num: 9

Candidate Starts for MoneyMay_62:

(Start: 9 @38898 has 590 MA's), (Start: 23 @38805 has 19 MA's), (33, 38751), (36, 38739), (39, 38712), (58, 38592), (74, 38484), (77, 38466), (78, 38460), (93, 38349), (100, 38313), (105, 38295), (107, 38283),

Gene: Montavir_61 Start: 38899, Stop: 38240, Start Num: 9

Candidate Starts for Montavir_61:

(Start: 9 @38899 has 590 MA's), (Start: 23 @38806 has 19 MA's), (33, 38752), (36, 38740), (39, 38713), (58, 38593), (74, 38485), (77, 38467), (78, 38461), (93, 38350), (100, 38314), (105, 38296), (107, 38284),

Gene: Morpher26_54 Start: 38113, Stop: 37454, Start Num: 9

Candidate Starts for Morpher26_54:

(Start: 9 @38113 has 590 MA's), (Start: 23 @38020 has 19 MA's), (27, 38002), (33, 37966), (36, 37954), (39, 37927), (42, 37912), (58, 37807), (77, 37681), (80, 37660), (81, 37645), (93, 37564), (100, 37528), (114, 37462),

Gene: Morrow_56 Start: 38145, Stop: 37486, Start Num: 9

Candidate Starts for Morrow_56:

(Start: 9 @38145 has 590 MA's), (Start: 23 @38052 has 19 MA's), (27, 38034), (33, 37998), (36, 37986), (39, 37959), (42, 37944), (58, 37839), (77, 37713), (78, 37707), (80, 37692), (81, 37677), (93, 37596), (98, 37569), (100, 37560), (114, 37494),

Gene: Moyashi_30 Start: 21139, Stop: 20468, Start Num: 12

Candidate Starts for Moyashi_30:

(Start: 12 @21139 has 44 MA's), (44, 20926), (50, 20887), (62, 20794), (65, 20785), (67, 20764), (71, 20734), (91, 20599), (98, 20557), (110, 20500), (113, 20479),

Gene: MrAK_30 Start: 21144, Stop: 20473, Start Num: 12

Candidate Starts for MrAK_30:

(Start: 12 @21144 has 44 MA's), (44, 20931), (50, 20892), (62, 20799), (65, 20790), (67, 20769), (71, 20739), (91, 20604), (98, 20562), (110, 20505), (113, 20484),

Gene: MrGordo_54 Start: 39144, Stop: 38497, Start Num: 13

Candidate Starts for MrGordo_54:

(Start: 13 @39144 has 28 MA's), (30, 39021), (39, 38970), (41, 38958), (56, 38877), (61, 38829), (66, 38808), (67, 38790), (77, 38730), (85, 38664), (89, 38631), (93, 38613), (100, 38577), (107, 38544), (108, 38541),

Gene: MuchMore_65 Start: 38890, Stop: 38231, Start Num: 9

Candidate Starts for MuchMore_65:

(Start: 9 @38890 has 590 MA's), (Start: 23 @38797 has 19 MA's), (33, 38743), (36, 38731), (39, 38704), (58, 38584), (74, 38476), (77, 38458), (78, 38452), (93, 38341), (100, 38305), (105, 38287), (107, 38275),

Gene: Mulciber_59 Start: 38197, Stop: 37550, Start Num: 9

Candidate Starts for Mulciber_59:

(Start: 9 @38197 has 590 MA's), (21, 38131), (Start: 23 @38104 has 19 MA's), (36, 38050), (39, 38023), (44, 37993), (59, 37897), (67, 37837), (78, 37771), (80, 37756), (85, 37711), (88, 37702), (89, 37678), (100, 37624), (108, 37591),

Gene: Munch_60 Start: 38660, Stop: 38013, Start Num: 9

Candidate Starts for Munch_60:

(Start: 9 @38660 has 590 MA's), (Start: 23 @38567 has 19 MA's), (36, 38513), (39, 38486), (44, 38456), (59, 38360), (67, 38300), (78, 38234), (80, 38219), (85, 38174), (88, 38165), (89, 38141), (100, 38087), (108, 38054),

Gene: Mundrea_54 Start: 38105, Stop: 37446, Start Num: 9

Candidate Starts for Mundrea_54:

(Start: 9 @38105 has 590 MA's), (Start: 23 @38012 has 19 MA's), (27, 37994), (33, 37958), (36, 37946), (39, 37919), (42, 37904), (58, 37799), (77, 37673), (80, 37652), (81, 37637), (93, 37556), (98, 37529), (100, 37520), (114, 37454),

Gene: MyraDee_53 Start: 35516, Stop: 34857, Start Num: 9

Candidate Starts for MyraDee_53:

(Start: 9 @35516 has 590 MA's), (21, 35450), (Start: 23 @35423 has 19 MA's), (30, 35381), (36, 35357), (39, 35330), (50, 35267), (58, 35210), (71, 35114), (77, 35084), (89, 34985), (96, 34955), (105, 34913), (112, 34874),

Gene: NEHalo_53 Start: 39290, Stop: 38643, Start Num: 13

Candidate Starts for NEHalo_53:

(Start: 13 @39290 has 28 MA's), (30, 39167), (39, 39116), (41, 39104), (49, 39056), (71, 38906), (85, 38810), (89, 38777), (93, 38759), (100, 38723), (107, 38690), (108, 38687),

Gene: NaSiaTalie_59 Start: 38751, Stop: 38119, Start Num: 9

Candidate Starts for NaSiaTalie_59:

(Start: 9 @38751 has 590 MA's), (Start: 23 @38658 has 19 MA's), (36, 38604), (44, 38547), (54, 38493), (58, 38469), (59, 38463), (67, 38403), (77, 38343), (80, 38322), (85, 38277), (89, 38244), (100, 38190),

Gene: Nabi_40 Start: 28695, Stop: 29360, Start Num: 7

Candidate Starts for Nabi_40:

(Start: 7 @28695 has 37 MA's), (Start: 9 @28710 has 590 MA's), (11, 28713), (36, 28854), (50, 28938), (58, 28995), (59, 29001), (61, 29022), (71, 29091), (72, 29094), (74, 29103), (76, 29112), (77, 29121), (82, 29166), (85, 29187), (99, 29268), (104, 29289), (112, 29337),

Gene: Naiad_47 Start: 35293, Stop: 34634, Start Num: 9

Candidate Starts for Naiad_47:

(Start: 9 @35293 has 590 MA's), (28, 35170), (36, 35134), (39, 35107), (44, 35077), (49, 35047), (50, 35044), (51, 35038), (58, 34987), (65, 34942), (67, 34921), (77, 34861), (78, 34855), (105, 34690), (108, 34675),

Gene: Naira_57 Start: 40980, Stop: 40402, Start Num: 22

Candidate Starts for Naira_57:

(Start: 22 @40980 has 37 MA's), (30, 40923), (36, 40899), (38, 40887), (39, 40872), (41, 40860), (49, 40812), (65, 40713), (71, 40662), (85, 40566), (89, 40533), (93, 40515), (100, 40479), (107, 40449),

Gene: Naji_61 Start: 38901, Stop: 38269, Start Num: 9

Candidate Starts for Naji_61:

(Start: 9 @38901 has 590 MA's), (Start: 23 @38808 has 19 MA's), (36, 38754), (39, 38727), (44, 38697), (58, 38619), (59, 38613), (67, 38553), (80, 38472), (85, 38427), (89, 38394), (93, 38376), (100, 38340),

Gene: Nancinator_48 Start: 35222, Stop: 34563, Start Num: 9

Candidate Starts for Nancinator_48:

(Start: 9 @35222 has 590 MA's), (28, 35099), (36, 35063), (39, 35036), (44, 35006), (49, 34976), (50, 34973), (51, 34967), (58, 34916), (65, 34871), (67, 34850), (78, 34784), (105, 34619), (108, 34604),

Gene: Nanodon_41 Start: 28466, Stop: 29131, Start Num: 7

Candidate Starts for Nanodon_41:

(Start: 7 @28466 has 37 MA's), (Start: 9 @28481 has 590 MA's), (11, 28484), (50, 28709), (58, 28766), (59, 28772), (61, 28793), (62, 28802), (69, 28838), (71, 28862), (74, 28874), (76, 28883), (77, 28892), (82, 28937), (85, 28958), (99, 29039), (104, 29060), (112, 29108),

Gene: Natosaleda_47 Start: 35221, Stop: 34562, Start Num: 9

Candidate Starts for Natosaleda_47:

(Start: 9 @35221 has 590 MA's), (28, 35098), (36, 35062), (39, 35035), (44, 35005), (49, 34975), (50, 34972), (51, 34966), (58, 34915), (65, 34870), (67, 34849), (78, 34783), (105, 34618), (108, 34603),

Gene: NearlyHeadless_59 Start: 37980, Stop: 37327, Start Num: 9

Candidate Starts for NearlyHeadless_59:

(Start: 9 @37980 has 590 MA's), (Start: 23 @37887 has 19 MA's), (33, 37827), (36, 37815), (39, 37788), (48, 37731), (58, 37680), (59, 37674), (80, 37533), (81, 37518), (85, 37488), (89, 37455), (105, 37383), (106, 37374), (108, 37368), (112, 37344),

Gene: Nebs_56 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for Nebs_56:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Nebulosus_64 Start: 38277, Stop: 37645, Start Num: 9

Candidate Starts for Nebulosus_64:

(Start: 9 @38277 has 590 MA's), (Start: 15 @38259 has 1 MA's), (Start: 23 @38184 has 19 MA's), (39, 38106), (42, 38091), (44, 38076), (64, 37956), (65, 37953), (76, 37881), (80, 37851), (89, 37773), (100, 37719),

Gene: Nedarya_62 Start: 38254, Stop: 37628, Start Num: 10

Candidate Starts for Nedarya_62:

(Start: 10 @38254 has 2 MA's), (Start: 23 @38164 has 19 MA's), (36, 38116), (39, 38089), (42, 38074), (44, 38059), (59, 37975), (65, 37936), (80, 37834), (89, 37756), (93, 37738), (100, 37702),

Gene: Neeharika16_59 Start: 37178, Stop: 36546, Start Num: 9

Candidate Starts for Neeharika16_59:

(Start: 9 @37178 has 590 MA's), (Start: 23 @37085 has 19 MA's), (36, 37031), (44, 36974), (58, 36896), (67, 36830), (80, 36749), (85, 36704), (89, 36671), (93, 36653), (100, 36617), (107, 36587), (108, 36584),

Gene: Nemo27_55 Start: 38138, Stop: 37479, Start Num: 9

Candidate Starts for Nemo27_55:

(Start: 9 @38138 has 590 MA's), (Start: 23 @38045 has 19 MA's), (27, 38027), (33, 37991), (36, 37979), (39, 37952), (42, 37937), (58, 37832), (77, 37706), (78, 37700), (80, 37685), (81, 37670), (93, 37589), (98, 37562), (100, 37553), (114, 37487),

Gene: Newrala_60 Start: 37720, Stop: 37088, Start Num: 9

Candidate Starts for Newrala_60:

(Start: 9 @37720 has 590 MA's), (Start: 23 @37627 has 19 MA's), (36, 37573), (44, 37516), (58, 37438), (67, 37372), (80, 37291), (85, 37246), (89, 37213), (93, 37195), (100, 37159), (107, 37129), (108, 37126),

Gene: Nishikigoi_41 Start: 29074, Stop: 29736, Start Num: 6

Candidate Starts for Nishikigoi_41:

(3, 28807), (Start: 6 @29074 has 33 MA's), (17, 29122), (24, 29185), (41, 29275), (50, 29320), (61, 29404), (80, 29524), (82, 29548), (85, 29569), (99, 29650), (104, 29668), (106, 29683), (112, 29716),

Gene: Noella_57 Start: 38515, Stop: 37853, Start Num: 9

Candidate Starts for Noella_57:

(Start: 9 @38515 has 590 MA's), (Start: 23 @38422 has 19 MA's), (26, 38407), (33, 38368), (36, 38356), (39, 38329), (58, 38209), (66, 38161), (74, 38101), (77, 38083), (78, 38077), (80, 38062), (81,

38047), (100, 37930), (105, 37912),

Gene: Noelle_55 Start: 38414, Stop: 37755, Start Num: 9

Candidate Starts for Noelle_55:

(Start: 9 @38414 has 590 MA's), (Start: 23 @38321 has 19 MA's), (27, 38303), (33, 38267), (36, 38255), (39, 38228), (42, 38213), (58, 38108), (77, 37982), (78, 37976), (80, 37961), (81, 37946), (93, 37865), (98, 37838), (100, 37829), (114, 37763),

Gene: Norbert_56 Start: 38514, Stop: 37852, Start Num: 9

Candidate Starts for Norbert_56:

(Start: 9 @38514 has 590 MA's), (Start: 23 @38421 has 19 MA's), (26, 38406), (33, 38367), (36, 38355), (39, 38328), (58, 38208), (66, 38160), (74, 38100), (77, 38082), (78, 38076), (80, 38061), (81, 38046), (100, 37929), (105, 37911),

Gene: NorthStar_54 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for NorthStar_54:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Norz_56 Start: 40533, Stop: 39952, Start Num: 22

Candidate Starts for Norz_56:

(Start: 22 @40533 has 37 MA's), (30, 40476), (36, 40452), (39, 40425), (41, 40413), (49, 40365), (71, 40215), (85, 40119), (89, 40086), (93, 40068), (100, 40032), (107, 39999), (108, 39996),

Gene: NotAPhaseMom_55 Start: 38143, Stop: 37484, Start Num: 9

Candidate Starts for NotAPhaseMom_55:

(Start: 9 @38143 has 590 MA's), (Start: 23 @38050 has 19 MA's), (27, 38032), (33, 37996), (36, 37984), (39, 37957), (42, 37942), (58, 37837), (77, 37711), (78, 37705), (80, 37690), (81, 37675), (93, 37594), (98, 37567), (100, 37558), (114, 37492),

Gene: NothingSpecial_57 Start: 39439, Stop: 38807, Start Num: 9

Candidate Starts for NothingSpecial_57:

(Start: 9 @39439 has 590 MA's), (Start: 23 @39346 has 19 MA's), (36, 39292), (39, 39265), (44, 39235), (58, 39157), (59, 39151), (67, 39091), (77, 39031), (80, 39010), (100, 38878), (107, 38848),

Gene: Nyxis_55 Start: 38029, Stop: 37370, Start Num: 9

Candidate Starts for Nyxis_55:

(Start: 9 @38029 has 590 MA's), (Start: 23 @37936 has 19 MA's), (27, 37918), (33, 37882), (36, 37870), (39, 37843), (42, 37828), (58, 37723), (77, 37597), (78, 37591), (80, 37576), (81, 37561), (93, 37480), (98, 37453), (100, 37444), (114, 37378),

Gene: OKCentral2016_55 Start: 37747, Stop: 37088, Start Num: 9

Candidate Starts for OKCentral2016_55:

(Start: 9 @37747 has 590 MA's), (Start: 23 @37654 has 19 MA's), (36, 37588), (39, 37561), (50, 37498), (58, 37441), (66, 37393), (74, 37333), (77, 37315), (78, 37309), (80, 37294), (81, 37279), (98, 37171), (100, 37162), (105, 37144), (107, 37132), (114, 37096),

Gene: OKaNui_55 Start: 38189, Stop: 37530, Start Num: 9

Candidate Starts for OKaNui_55:

(Start: 9 @38189 has 590 MA's), (Start: 23 @38096 has 19 MA's), (27, 38078), (33, 38042), (36, 38030), (39, 38003), (42, 37988), (58, 37883), (77, 37757), (78, 37751), (80, 37736), (81, 37721), (93, 37640), (98, 37613), (100, 37604), (114, 37538),

Gene: Obama12_56 Start: 38526, Stop: 37867, Start Num: 9

Candidate Starts for Obama12_56:

(Start: 9 @38526 has 590 MA's), (Start: 23 @38433 has 19 MA's), (33, 38379), (36, 38367), (39, 38340), (42, 38325), (58, 38220), (77, 38094), (80, 38073), (81, 38058), (93, 37977), (98, 37950), (100, 37941), (114, 37875),

Gene: Odin_57 Start: 37960, Stop: 37328, Start Num: 9

Candidate Starts for Odin_57:

(Start: 9 @37960 has 590 MA's), (Start: 23 @37867 has 19 MA's), (36, 37813), (39, 37786), (44, 37756), (58, 37678), (79, 37537), (80, 37531), (81, 37516), (85, 37486), (88, 37477), (89, 37453), (93, 37435), (100, 37399),

Gene: Ohfah_56 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for Ohfah_56:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Ohno789_56 Start: 39868, Stop: 39224, Start Num: 13

Candidate Starts for Ohno789_56:

(Start: 13 @39868 has 28 MA's), (30, 39745), (39, 39694), (41, 39682), (61, 39553), (66, 39532), (67, 39514), (85, 39388), (89, 39355), (93, 39337), (100, 39301), (107, 39271),

Gene: OlanP_61 Start: 38957, Stop: 38298, Start Num: 9

Candidate Starts for OlanP_61:

(Start: 9 @38957 has 590 MA's), (Start: 23 @38864 has 19 MA's), (33, 38810), (36, 38798), (39, 38771), (58, 38651), (74, 38543), (77, 38525), (78, 38519), (89, 38426), (93, 38408), (100, 38372), (105, 38354), (107, 38342),

Gene: Olicious_58 Start: 30975, Stop: 30343, Start Num: 9

Candidate Starts for Olicious_58:

(Start: 9 @30975 has 590 MA's), (Start: 15 @30957 has 1 MA's), (17, 30945), (24, 30885), (44, 30777), (45, 30759), (47, 30753), (78, 30564), (85, 30504),

Gene: Oliynyk_40 Start: 28177, Stop: 28842, Start Num: 7

Candidate Starts for Oliynyk_40:

(Start: 7 @28177 has 37 MA's), (Start: 9 @28192 has 590 MA's), (11, 28195), (36, 28336), (50, 28420), (58, 28477), (59, 28483), (61, 28504), (62, 28513), (69, 28549), (71, 28573), (74, 28585), (75, 28588), (76, 28594), (77, 28603), (82, 28648), (85, 28669), (99, 28750), (104, 28771), (112, 28819),

Gene: Ollie_62 Start: 38769, Stop: 38110, Start Num: 9

Candidate Starts for Ollie_62:

(Start: 9 @38769 has 590 MA's), (Start: 23 @38676 has 19 MA's), (33, 38622), (36, 38610), (39, 38583), (58, 38463), (74, 38355), (77, 38337), (78, 38331), (93, 38220), (100, 38184), (105, 38166), (107, 38154),

Gene: Omar_42 Start: 29302, Stop: 29964, Start Num: 6

Candidate Starts for Omar_42:

(2, 28975), (3, 29032), (Start: 6 @29302 has 33 MA's), (17, 29350), (24, 29413), (41, 29503), (61, 29632), (80, 29752), (82, 29776), (85, 29797), (99, 29878), (106, 29911),

Gene: Oofda_67 Start: 38387, Stop: 37848, Start Num: 23

Candidate Starts for Oofda_67:

(Start: 9 @38480 has 590 MA's), (Start: 15 @38462 has 1 MA's), (Start: 23 @38387 has 19 MA's), (39, 38309), (42, 38294), (44, 38279), (64, 38159), (65, 38156), (76, 38084), (78, 38069), (80, 38054), (89, 37976), (100, 37922),

Gene: Orange_59 Start: 38209, Stop: 37562, Start Num: 9

Candidate Starts for Orange_59:

(Start: 9 @38209 has 590 MA's), (Start: 23 @38116 has 19 MA's), (36, 38062), (39, 38035), (44, 38005), (59, 37909), (67, 37849), (78, 37783), (80, 37768), (85, 37723), (88, 37714), (89, 37690), (100, 37636), (108, 37603),

Gene: Ouroboros_30 Start: 21354, Stop: 20683, Start Num: 12

Candidate Starts for Ouroboros_30:

(Start: 12 @21354 has 44 MA's), (44, 21141), (50, 21102), (62, 21009), (65, 21000), (67, 20979), (71, 20949), (91, 20814), (98, 20772), (110, 20715), (113, 20694),

Gene: Ozzie_39 Start: 27815, Stop: 28465, Start Num: 9

Candidate Starts for Ozzie_39:

(Start: 7 @27800 has 37 MA's), (Start: 9 @27815 has 590 MA's), (11, 27818), (36, 27959), (50, 28043), (58, 28100), (59, 28106), (61, 28127), (62, 28136), (69, 28172), (71, 28196), (74, 28208), (76, 28217), (77, 28226), (82, 28271), (99, 28373), (104, 28394), (112, 28442),

Gene: OzzyJ_40 Start: 28180, Stop: 28845, Start Num: 7

Candidate Starts for OzzyJ_40:

(Start: 7 @28180 has 37 MA's), (Start: 9 @28195 has 590 MA's), (11, 28198), (36, 28339), (50, 28423), (58, 28480), (59, 28486), (61, 28507), (69, 28552), (71, 28576), (74, 28588), (76, 28597), (77, 28606), (82, 28651), (85, 28672), (99, 28753), (104, 28774), (112, 28822),

Gene: P1.1_30 Start: 21372, Stop: 20701, Start Num: 12

Candidate Starts for P1.1_30:

(Start: 12 @21372 has 44 MA's), (44, 21159), (50, 21120), (58, 21063), (62, 21027), (65, 21018), (67, 20997), (71, 20967), (91, 20832), (98, 20790), (110, 20733), (113, 20712),

Gene: P100.1_30 Start: 21409, Stop: 20738, Start Num: 12

Candidate Starts for P100.1_30:

(Start: 12 @21409 has 44 MA's), (44, 21196), (50, 21157), (58, 21100), (62, 21064), (65, 21055), (67, 21034), (71, 21004), (91, 20869), (98, 20827), (110, 20770), (113, 20749),

Gene: P100A_30 Start: 21359, Stop: 20688, Start Num: 12

Candidate Starts for P100A_30:

(Start: 12 @21359 has 44 MA's), (44, 21146), (58, 21050), (62, 21014), (65, 21005), (67, 20984), (71, 20954), (91, 20819), (98, 20777), (103, 20756), (110, 20720), (113, 20699),

Gene: P100D_30 Start: 21352, Stop: 20681, Start Num: 12

Candidate Starts for P100D_30:

(Start: 12 @21352 has 44 MA's), (44, 21139), (50, 21100), (62, 21007), (65, 20998), (67, 20977), (71, 20947), (91, 20812), (98, 20770), (110, 20713), (113, 20692),

Gene: P101A_30 Start: 21378, Stop: 20707, Start Num: 12

Candidate Starts for P101A_30:

(Start: 12 @21378 has 44 MA's), (44, 21165), (50, 21126), (58, 21069), (62, 21033), (65, 21024), (67, 21003), (71, 20973), (91, 20838), (98, 20796), (110, 20739), (113, 20718),

Gene: P104A_30 Start: 21147, Stop: 20476, Start Num: 12

Candidate Starts for P104A_30:

(Start: 12 @21147 has 44 MA's), (44, 20934), (50, 20895), (58, 20838), (62, 20802), (65, 20793), (67, 20772), (71, 20742), (91, 20607), (98, 20565), (110, 20508), (113, 20487),

Gene: P104B_30 Start: 21342, Stop: 20671, Start Num: 12

Candidate Starts for P104B_30:

(Start: 12 @21342 has 44 MA's), (44, 21129), (50, 21090), (58, 21033), (62, 20997), (65, 20988), (67, 20967), (71, 20937), (91, 20802), (110, 20703), (113, 20682),

Gene: P105_30 Start: 21007, Stop: 20336, Start Num: 12

Candidate Starts for P105_30:

(Start: 12 @21007 has 44 MA's), (44, 20794), (50, 20755), (62, 20662), (65, 20653), (67, 20632), (71, 20602), (91, 20467), (110, 20368), (113, 20347),

Gene: P106A_30 Start: 21433, Stop: 20762, Start Num: 12

Candidate Starts for P106A_30:

(Start: 12 @21433 has 44 MA's), (44, 21220), (50, 21181), (62, 21088), (65, 21079), (71, 21028), (91, 20893), (98, 20851), (110, 20794), (113, 20773),

Gene: P106C_31 Start: 21371, Stop: 20700, Start Num: 12

Candidate Starts for P106C_31:

(Start: 12 @21371 has 44 MA's), (44, 21158), (50, 21119), (62, 21026), (65, 21017), (71, 20966), (91, 20831), (98, 20789), (110, 20732), (113, 20711),

Gene: P106I_30 Start: 21200, Stop: 20529, Start Num: 12

Candidate Starts for P106I_30:

(Start: 12 @21200 has 44 MA's), (44, 20987), (50, 20948), (62, 20855), (65, 20846), (71, 20795), (91, 20660), (98, 20618), (110, 20561), (113, 20540),

Gene: P106L_30 Start: 21371, Stop: 20700, Start Num: 12

Candidate Starts for P106L_30:

(Start: 12 @21371 has 44 MA's), (44, 21158), (50, 21119), (62, 21026), (65, 21017), (71, 20966), (91, 20831), (98, 20789), (110, 20732), (113, 20711),

Gene: P106M_30 Start: 21371, Stop: 20700, Start Num: 12

Candidate Starts for P106M_30:

(Start: 12 @21371 has 44 MA's), (44, 21158), (50, 21119), (62, 21026), (65, 21017), (71, 20966), (91, 20831), (98, 20789), (110, 20732), (113, 20711),

Gene: P107A_30 Start: 21387, Stop: 20716, Start Num: 12

Candidate Starts for P107A_30:

(Start: 12 @21387 has 44 MA's), (44, 21174), (50, 21135), (62, 21042), (65, 21033), (67, 21012), (71, 20982), (91, 20847), (110, 20748), (113, 20727),

Gene: P107C_30 Start: 21324, Stop: 20653, Start Num: 12

Candidate Starts for P107C_30:

(Start: 12 @21324 has 44 MA's), (50, 21072), (62, 20979), (65, 20970), (67, 20949), (73, 20913), (91, 20784), (98, 20742), (110, 20685), (113, 20664),

Gene: P108C_30 Start: 21338, Stop: 20667, Start Num: 12

Candidate Starts for P108C_30:

(Start: 12 @21338 has 44 MA's), (44, 21125), (50, 21086), (62, 20993), (65, 20984), (67, 20963), (71, 20933), (91, 20798), (98, 20756), (110, 20699), (113, 20678),

Gene: P14.4_30 Start: 21340, Stop: 20669, Start Num: 12

Candidate Starts for P14.4_30:

(Start: 12 @21340 has 44 MA's), (44, 21127), (50, 21088), (62, 20995), (65, 20986), (67, 20965), (71, 20935), (91, 20800), (98, 20758), (110, 20701), (113, 20680),

Gene: P28Green_63 Start: 38808, Stop: 38242, Start Num: 23

Candidate Starts for P28Green_63:

(Start: 9 @38901 has 590 MA's), (Start: 23 @38808 has 19 MA's), (33, 38754), (36, 38742), (39, 38715), (58, 38595), (74, 38487), (77, 38469), (78, 38463), (93, 38352), (100, 38316), (105, 38298), (107, 38286),

Gene: P9.1_30 Start: 21368, Stop: 20697, Start Num: 12

Candidate Starts for P9.1_30:

(Start: 12 @21368 has 44 MA's), (44, 21155), (50, 21116), (62, 21023), (65, 21014), (71, 20963), (91, 20828), (98, 20786), (110, 20729), (113, 20708),

Gene: PA6_31 Start: 21332, Stop: 20661, Start Num: 12

Candidate Starts for PA6_31:

(Start: 12 @21332 has 44 MA's), (44, 21119), (50, 21080), (62, 20987), (65, 20978), (67, 20957), (71, 20927), (91, 20792), (98, 20750), (110, 20693), (113, 20672),

Gene: PAD20_31 Start: 21112, Stop: 20441, Start Num: 12

Candidate Starts for PAD20_31:

(Start: 12 @21112 has 44 MA's), (44, 20899), (50, 20860), (58, 20803), (62, 20767), (65, 20758), (67, 20737), (71, 20707), (91, 20572), (98, 20530), (110, 20473), (113, 20452),

Gene: PAS50_31 Start: 21277, Stop: 20609, Start Num: 12

Candidate Starts for PAS50_31:

(Start: 12 @21277 has 44 MA's), (44, 21064), (50, 21025), (58, 20968), (62, 20932), (65, 20923), (67, 20902), (71, 20872), (91, 20740), (98, 20698), (101, 20686), (102, 20683), (110, 20641), (113, 20620),

Gene: PGHhamlin_64 Start: 38890, Stop: 38231, Start Num: 9

Candidate Starts for PGHhamlin_64:

(Start: 9 @38890 has 590 MA's), (Start: 23 @38797 has 19 MA's), (33, 38743), (36, 38731), (39, 38704), (58, 38584), (74, 38476), (77, 38458), (78, 38452), (93, 38341), (100, 38305), (105, 38287), (107, 38275),

Gene: PHL010M04_30 Start: 21406, Stop: 20681, Start Num: 4

Candidate Starts for PHL010M04_30:

(Start: 4 @21406 has 1 MA's), (5, 21403), (Start: 12 @21352 has 44 MA's), (44, 21139), (50, 21100), (62, 21007), (65, 20998), (67, 20977), (71, 20947), (91, 20812), (98, 20770), (110, 20713), (113, 20692),

Gene: PHL037M02_30 Start: 21390, Stop: 20665, Start Num: 4

Candidate Starts for PHL037M02_30:

(Start: 4 @21390 has 1 MA's), (Start: 12 @21336 has 44 MA's), (44, 21123), (50, 21084), (62, 20991), (65, 20982), (67, 20961), (71, 20931), (91, 20796), (98, 20754), (110, 20697), (113, 20676),

Gene: PHL060L00_30 Start: 21182, Stop: 20511, Start Num: 12

Candidate Starts for PHL060L00_30:

(Start: 12 @21182 has 44 MA's), (44, 20969), (50, 20930), (62, 20837), (65, 20828), (71, 20777), (91, 20642), (98, 20600), (110, 20543), (113, 20522),

Gene: PHL067M10_30 Start: 21302, Stop: 20631, Start Num: 12

Candidate Starts for PHL067M10_30:

(Start: 12 @21302 has 44 MA's), (44, 21089), (50, 21050), (58, 20993), (62, 20957), (65, 20948), (67, 20927), (71, 20897), (91, 20762), (110, 20663), (113, 20642),

Gene: PHL071N05_30 Start: 21361, Stop: 20690, Start Num: 12

Candidate Starts for PHL071N05_30:

(Start: 12 @21361 has 44 MA's), (44, 21148), (50, 21109), (62, 21016), (65, 21007), (67, 20986), (71, 20956), (91, 20821), (98, 20779), (110, 20722), (113, 20701),

Gene: PHL111M01_30 Start: 21059, Stop: 20388, Start Num: 12

Candidate Starts for PHL111M01_30:

(Start: 12 @21059 has 44 MA's), (44, 20846), (50, 20807), (62, 20714), (65, 20705), (67, 20684), (71, 20654), (91, 20519), (110, 20420), (113, 20399),

Gene: PHL112N00_30 Start: 21369, Stop: 20698, Start Num: 12

Candidate Starts for PHL112N00_30:

(Start: 12 @21369 has 44 MA's), (44, 21156), (50, 21117), (58, 21060), (62, 21024), (65, 21015), (67, 20994), (71, 20964), (91, 20829), (98, 20787), (110, 20730), (113, 20709),

Gene: PHL113M01_30 Start: 21108, Stop: 20437, Start Num: 12

Candidate Starts for PHL113M01_30:

(Start: 12 @21108 has 44 MA's), (44, 20895), (50, 20856), (62, 20763), (65, 20754), (67, 20733), (71, 20703), (91, 20568), (110, 20469), (113, 20448),

Gene: PHL114L00_30 Start: 21324, Stop: 20653, Start Num: 12

Candidate Starts for PHL114L00_30:

(Start: 12 @21324 has 44 MA's), (44, 21111), (50, 21072), (58, 21015), (62, 20979), (65, 20970), (67, 20949), (71, 20919), (91, 20784), (98, 20742), (110, 20685), (113, 20664),

Gene: PSullivan_55 Start: 38239, Stop: 37595, Start Num: 13

Candidate Starts for PSullivan_55:

(Start: 13 @38239 has 28 MA's), (30, 38116), (39, 38065), (41, 38053), (61, 37924), (66, 37903), (67, 37885), (85, 37759), (86, 37756), (89, 37726), (93, 37708), (100, 37672), (107, 37642),

Gene: Pablito_39 Start: 28612, Stop: 29271, Start Num: 6

Candidate Starts for Pablito_39:

(Start: 6 @28612 has 33 MA's), (17, 28660), (24, 28723), (41, 28813), (61, 28942), (80, 29062), (82, 29086), (85, 29107), (99, 29188), (112, 29254),

Gene: Paedore_39 Start: 29220, Stop: 29882, Start Num: 6

Candidate Starts for Paedore_39:

(Start: 6 @29220 has 33 MA's), (17, 29268), (24, 29331), (31, 29361), (41, 29421), (50, 29466), (61, 29550), (62, 29559), (80, 29670), (82, 29694), (85, 29715), (104, 29814), (106, 29829), (111, 29850),

Gene: Palestino_54 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for Palestino_54:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Paolo_42 Start: 29646, Stop: 30308, Start Num: 6

Candidate Starts for Paolo_42:

(Start: 6 @29646 has 33 MA's), (17, 29694), (20, 29709), (21, 29730), (31, 29787), (41, 29847), (61, 29976), (80, 30096), (82, 30120), (111, 30276), (112, 30288),

Gene: Pari_57 Start: 38997, Stop: 38419, Start Num: 22

Candidate Starts for Pari_57:

(Start: 22 @38997 has 37 MA's), (30, 38940), (36, 38916), (39, 38889), (41, 38877), (49, 38829), (71, 38679), (85, 38583), (86, 38580), (89, 38550), (93, 38532), (100, 38496), (107, 38466),

Gene: Partridge_47 Start: 35578, Stop: 34919, Start Num: 9

Candidate Starts for Partridge_47:

(Start: 9 @35578 has 590 MA's), (28, 35455), (36, 35419), (39, 35392), (44, 35362), (49, 35332), (50, 35329), (51, 35323), (58, 35272), (65, 35227), (67, 35206), (77, 35146), (78, 35140), (105, 34975), (108, 34960),

Gene: PattyP_55 Start: 39696, Stop: 39052, Start Num: 13

Candidate Starts for PattyP_55:

(Start: 13 @39696 has 28 MA's), (30, 39573), (39, 39522), (41, 39510), (61, 39381), (66, 39360), (67, 39342), (85, 39216), (89, 39183), (93, 39165), (100, 39129), (107, 39099), (108, 39096),

Gene: Pavo_41 Start: 29874, Stop: 30539, Start Num: 7

Candidate Starts for Pavo_41:

(Start: 7 @29874 has 37 MA's), (Start: 9 @29889 has 590 MA's), (50, 30117), (58, 30174), (59, 30180), (61, 30201), (62, 30210), (71, 30270), (72, 30273), (74, 30282), (82, 30345), (85, 30366), (99, 30447), (104, 30468),

Gene: Pawn_62 Start: 38788, Stop: 38129, Start Num: 9

Candidate Starts for Pawn_62:

(Start: 9 @38788 has 590 MA's), (Start: 23 @38695 has 19 MA's), (33, 38641), (36, 38629), (39, 38602), (58, 38482), (74, 38374), (77, 38356), (78, 38350), (89, 38257), (93, 38239), (100, 38203), (105, 38185), (107, 38173),

Gene: PeaceMeal1_54 Start: 37275, Stop: 36616, Start Num: 9

Candidate Starts for PeaceMeal1_54:

(Start: 9 @37275 has 590 MA's), (Start: 23 @37182 has 19 MA's), (36, 37116), (39, 37089), (50, 37026), (58, 36969), (66, 36921), (80, 36822), (81, 36807), (98, 36699), (100, 36690), (105, 36672), (107, 36660), (114, 36624),

Gene: Peaches_54 Start: 38138, Stop: 37479, Start Num: 9

Candidate Starts for Peaches_54:

(Start: 9 @38138 has 590 MA's), (Start: 23 @38045 has 19 MA's), (24, 38042), (27, 38027), (33, 37991), (36, 37979), (39, 37952), (42, 37937), (58, 37832), (77, 37706), (78, 37700), (80, 37685), (81, 37670), (93, 37589), (98, 37562), (100, 37553), (114, 37487),

Gene: Pembroke_62 Start: 38899, Stop: 38240, Start Num: 9

Candidate Starts for Pembroke_62:

(Start: 9 @38899 has 590 MA's), (Start: 23 @38806 has 19 MA's), (33, 38752), (36, 38740), (39, 38713), (58, 38593), (74, 38485), (77, 38467), (78, 38461), (93, 38350), (100, 38314), (105, 38296), (107, 38284),

Gene: Penny1_63 Start: 38902, Stop: 38243, Start Num: 9

Candidate Starts for Penny1_63:

(Start: 9 @38902 has 590 MA's), (Start: 23 @38809 has 19 MA's), (33, 38755), (36, 38743), (39, 38716), (58, 38596), (74, 38488), (77, 38470), (78, 38464), (93, 38353), (100, 38317), (105, 38299), (107, 38287),

Gene: Percastrophe_58 Start: 30909, Stop: 30277, Start Num: 9

Candidate Starts for Percastrophe_58:

(Start: 9 @30909 has 590 MA's), (Start: 15 @30891 has 1 MA's), (17, 30879), (24, 30819), (44, 30711), (45, 30693), (47, 30687), (62, 30594), (78, 30498), (85, 30438),

Gene: Perplexer_54 Start: 38089, Stop: 37430, Start Num: 9

Candidate Starts for Perplexer_54:

(Start: 9 @38089 has 590 MA's), (Start: 23 @37996 has 19 MA's), (27, 37978), (33, 37942), (36, 37930), (39, 37903), (42, 37888), (58, 37783), (77, 37657), (80, 37636), (81, 37621), (93, 37540), (100, 37504), (114, 37438),

Gene: Perseus_55 Start: 40221, Stop: 39640, Start Num: 22

Candidate Starts for Perseus_55:

(Start: 22 @40221 has 37 MA's), (30, 40164), (36, 40140), (39, 40113), (41, 40101), (49, 40053), (65, 39954), (71, 39903), (85, 39807), (89, 39774), (93, 39756), (100, 39720), (107, 39687), (108, 39684),

Gene: PeterPeter_55 Start: 38136, Stop: 37477, Start Num: 9

Candidate Starts for PeterPeter_55:

(Start: 9 @38136 has 590 MA's), (Start: 23 @38043 has 19 MA's), (27, 38025), (33, 37989), (36, 37977), (39, 37950), (42, 37935), (58, 37830), (77, 37704), (78, 37698), (80, 37683), (81, 37668), (93, 37587), (98, 37560), (100, 37551), (114, 37485),

Gene: Petersenfast_58 Start: 38208, Stop: 37561, Start Num: 9

Candidate Starts for Petersenfast_58:

(Start: 9 @38208 has 590 MA's), (Start: 23 @38115 has 19 MA's), (36, 38061), (39, 38034), (44, 38004), (59, 37908), (67, 37848), (78, 37782), (80, 37767), (85, 37722), (88, 37713), (89, 37689), (100, 37635), (108, 37602),

Gene: PetiteSangsue_54 Start: 38092, Stop: 37433, Start Num: 9

Candidate Starts for PetiteSangsue_54:

(Start: 9 @38092 has 590 MA's), (Start: 23 @37999 has 19 MA's), (27, 37981), (33, 37945), (36, 37933), (39, 37906), (42, 37891), (58, 37786), (77, 37660), (80, 37639), (81, 37624), (93, 37543), (100, 37507), (114, 37441),

Gene: Petruccio_54 Start: 38665, Stop: 38087, Start Num: 22

Candidate Starts for Petruccio_54:

(Start: 22 @38665 has 37 MA's), (30, 38608), (36, 38584), (39, 38557), (41, 38545), (49, 38497), (65, 38398), (71, 38347), (85, 38251), (86, 38248), (89, 38218), (93, 38200), (100, 38164), (107, 38134),

Gene: PetterN_58 Start: 38531, Stop: 37869, Start Num: 9

Candidate Starts for PetterN_58:

(Start: 9 @38531 has 590 MA's), (Start: 23 @38438 has 19 MA's), (27, 38420), (33, 38378), (36, 38366), (39, 38339), (41, 38327), (42, 38324), (67, 38162), (78, 38096), (79, 38087), (81, 38066), (85, 38036), (87, 38030), (89, 38003), (98, 37958), (100, 37949), (105, 37931), (107, 37919), (108, 37916),

Gene: Ph8s_60 Start: 38317, Stop: 37685, Start Num: 9

Candidate Starts for Ph8s_60:

(Start: 9 @38317 has 590 MA's), (Start: 23 @38224 has 19 MA's), (24, 38221), (36, 38170), (39, 38143), (44, 38113), (58, 38035), (74, 37927), (79, 37894), (80, 37888), (81, 37873), (85, 37843), (88, 37834), (89, 37810), (93, 37792), (100, 37756),

Gene: Phacado_55 Start: 38138, Stop: 37479, Start Num: 9

Candidate Starts for Phacado_55:

(Start: 9 @38138 has 590 MA's), (Start: 23 @38045 has 19 MA's), (27, 38027), (33, 37991), (36, 37979), (39, 37952), (42, 37937), (58, 37832), (77, 37706), (78, 37700), (80, 37685), (81, 37670), (93, 37589), (98, 37562), (100, 37553), (114, 37487),

Gene: Phaded_59 Start: 39863, Stop: 39324, Start Num: 23

Candidate Starts for Phaded_59:

(Start: 23 @39863 has 19 MA's), (25, 39851), (36, 39809), (39, 39782), (44, 39752), (58, 39674), (59, 39668), (67, 39608), (80, 39527), (85, 39482), (89, 39449), (100, 39395), (107, 39365),

Gene: Phaeder_59 Start: 38854, Stop: 38225, Start Num: 9

Candidate Starts for Phaeder_59:

(Start: 9 @38854 has 590 MA's), (Start: 23 @38761 has 19 MA's), (29, 38737), (36, 38713), (39, 38686), (42, 38671), (58, 38575), (59, 38569), (65, 38530), (67, 38509), (78, 38443), (85, 38383), (89, 38350), (100, 38296),

Gene: Phantastic_59 Start: 38187, Stop: 37525, Start Num: 9

Candidate Starts for Phantastic_59:

(Start: 9 @38187 has 590 MA's), (Start: 23 @38094 has 19 MA's), (33, 38040), (36, 38028), (39, 38001), (42, 37986), (50, 37938), (58, 37881), (66, 37833), (74, 37773), (77, 37755), (78, 37749), (80, 37734), (81, 37719), (85, 37689), (93, 37638), (100, 37602), (105, 37584), (114, 37536),

Gene: Pharaoh_54 Start: 38900, Stop: 38271, Start Num: 9

Candidate Starts for Pharaoh_54:

(Start: 9 @38900 has 590 MA's), (Start: 23 @38807 has 19 MA's), (36, 38756), (39, 38729), (58, 38621), (59, 38615), (67, 38555), (74, 38513), (77, 38495), (80, 38474), (85, 38429), (89, 38396), (93, 38378), (100, 38342), (108, 38309),

Gene: Phelipe_56 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for Phelipe_56:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Phettuccine_39 Start: 27816, Stop: 28481, Start Num: 7

Candidate Starts for Phettuccine_39:

(Start: 7 @27816 has 37 MA's), (Start: 9 @27831 has 590 MA's), (11, 27834), (36, 27975), (50, 28059), (58, 28116), (59, 28122), (61, 28143), (62, 28152), (69, 28188), (71, 28212), (74, 28224), (76, 28233), (77, 28242), (82, 28287), (99, 28389), (104, 28410), (112, 28458),

Gene: Phighter1804_55 Start: 38200, Stop: 37541, Start Num: 9

Candidate Starts for Phighter1804_55:

(Start: 9 @38200 has 590 MA's), (Start: 23 @38107 has 19 MA's), (27, 38089), (33, 38053), (36, 38041), (39, 38014), (42, 37999), (58, 37894), (77, 37768), (78, 37762), (80, 37747), (81, 37732), (93, 37651), (98, 37624), (100, 37615), (114, 37549),

Gene: Phillis_57 Start: 37605, Stop: 36952, Start Num: 9

Candidate Starts for Phillis_57:

(Start: 9 @37605 has 590 MA's), (Start: 23 @37512 has 19 MA's), (33, 37452), (36, 37440), (39, 37413), (48, 37356), (58, 37305), (59, 37299), (78, 37173), (80, 37158), (81, 37143), (85, 37113), (89, 37080), (105, 37008), (106, 36999), (108, 36993), (112, 36969),

Gene: PhishRPhriends_60 Start: 37965, Stop: 37306, Start Num: 9

Candidate Starts for PhishRPhriends_60:

(Start: 9 @37965 has 590 MA's), (Start: 23 @37872 has 19 MA's), (33, 37818), (36, 37806), (39, 37779), (58, 37659), (74, 37551), (77, 37533), (78, 37527), (89, 37434), (93, 37416), (100, 37380), (105, 37362), (107, 37350),

Gene: Phlei_49 Start: 38775, Stop: 38140, Start Num: 9

Candidate Starts for Phlei_49:

(Start: 9 @38775 has 590 MA's), (Start: 23 @38682 has 19 MA's), (36, 38628), (39, 38601), (49, 38541), (58, 38493), (80, 38346), (85, 38301), (100, 38214),

Gene: Phlorence_51 Start: 38030, Stop: 37371, Start Num: 9

Candidate Starts for Phlorence_51:

(Start: 9 @38030 has 590 MA's), (Start: 23 @37937 has 19 MA's), (27, 37919), (33, 37877), (36, 37865), (39, 37838), (41, 37826), (67, 37664), (78, 37598), (81, 37568), (85, 37538), (87, 37532), (89, 37505), (93, 37487), (98, 37460), (100, 37451), (105, 37433), (107, 37421), (108, 37418),

Gene: Phoebe_63 Start: 38891, Stop: 38232, Start Num: 9

Candidate Starts for Phoebe_63:

(Start: 9 @38891 has 590 MA's), (Start: 23 @38798 has 19 MA's), (33, 38744), (36, 38732), (39, 38705), (58, 38585), (74, 38477), (77, 38459), (78, 38453), (93, 38342), (100, 38306), (105, 38288), (107, 38276),

Gene: Phonnegut_59 Start: 38951, Stop: 38322, Start Num: 9

Candidate Starts for Phonnegut_59:

(Start: 9 @38951 has 590 MA's), (Start: 23 @38858 has 19 MA's), (29, 38834), (36, 38810), (39, 38783), (42, 38768), (58, 38672), (59, 38666), (65, 38627), (67, 38606), (85, 38480), (89, 38447), (100, 38393), (107, 38363),

Gene: Phontbonne_55 Start: 38030, Stop: 37371, Start Num: 9

Candidate Starts for Phontbonne_55:

(Start: 9 @38030 has 590 MA's), (Start: 23 @37937 has 19 MA's), (27, 37919), (33, 37883), (36, 37871), (39, 37844), (42, 37829), (58, 37724), (77, 37598), (78, 37592), (80, 37577), (81, 37562), (93, 37481), (98, 37454), (100, 37445), (114, 37379),

Gene: Phoxy_62 Start: 38923, Stop: 38264, Start Num: 9

Candidate Starts for Phoxy_62:

(Start: 9 @38923 has 590 MA's), (Start: 23 @38830 has 19 MA's), (33, 38776), (36, 38764), (39, 38737), (58, 38617), (74, 38509), (78, 38485), (100, 38338), (105, 38320), (107, 38308),

Gene: Phrankenstein_48 Start: 35226, Stop: 34567, Start Num: 9

Candidate Starts for Phrankenstein_48:

(Start: 9 @35226 has 590 MA's), (28, 35103), (36, 35067), (39, 35040), (44, 35010), (49, 34980), (50, 34977), (51, 34971), (58, 34920), (65, 34875), (67, 34854), (77, 34794), (78, 34788), (105, 34623), (108, 34608),

Gene: Phranny_63 Start: 38770, Stop: 38111, Start Num: 9

Candidate Starts for Phranny_63:

(Start: 9 @38770 has 590 MA's), (Start: 23 @38677 has 19 MA's), (33, 38623), (36, 38611), (39, 38584), (58, 38464), (74, 38356), (77, 38338), (78, 38332), (89, 38239), (93, 38221), (100, 38185), (105, 38167), (107, 38155),

Gene: PickleBack_53 Start: 38277, Stop: 37618, Start Num: 9

Candidate Starts for PickleBack_53:

(Start: 9 @38277 has 590 MA's), (Start: 23 @38184 has 19 MA's), (27, 38166), (33, 38124), (36, 38112), (39, 38085), (41, 38073), (67, 37911), (78, 37845), (81, 37815), (85, 37785), (87, 37779), (89, 37752), (93, 37734), (98, 37707), (100, 37698), (105, 37680), (107, 37668), (108, 37665),

Gene: Pipcraft_53 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for Pipcraft_53:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Pirate_30 Start: 21257, Stop: 20586, Start Num: 12

Candidate Starts for Pirate_30:

(Start: 12 @21257 has 44 MA's), (44, 21044), (50, 21005), (62, 20912), (65, 20903), (67, 20882), (71, 20852), (91, 20717), (98, 20675), (110, 20618), (113, 20597),

Gene: Piro94_59 Start: 39101, Stop: 38469, Start Num: 9

Candidate Starts for Piro94_59:

(Start: 9 @39101 has 590 MA's), (Start: 23 @39008 has 19 MA's), (36, 38954), (44, 38897), (58, 38819), (59, 38813), (67, 38753), (77, 38693), (80, 38672), (85, 38627), (89, 38594), (100, 38540),

Gene: Pistachio_59 Start: 38096, Stop: 37437, Start Num: 9

Candidate Starts for Pistachio_59:

(Start: 9 @38096 has 590 MA's), (Start: 23 @38003 has 19 MA's), (33, 37949), (36, 37937), (39, 37910), (42, 37895), (50, 37847), (58, 37790), (66, 37742), (77, 37664), (80, 37643), (81, 37628), (93, 37547), (100, 37511), (105, 37493), (114, 37445),

Gene: Pita2_58 Start: 39736, Stop: 39092, Start Num: 13

Candidate Starts for Pita2_58:

(Start: 13 @39736 has 28 MA's), (30, 39613), (39, 39562), (41, 39550), (61, 39421), (66, 39400), (67, 39382), (85, 39256), (86, 39253), (89, 39223), (93, 39205), (100, 39169), (107, 39139),

Gene: Pmask_59 Start: 37721, Stop: 37089, Start Num: 9

Candidate Starts for Pmask_59:

(Start: 9 @37721 has 590 MA's), (Start: 23 @37628 has 19 MA's), (36, 37574), (44, 37517), (58, 37439), (67, 37373), (80, 37292), (85, 37247), (89, 37214), (93, 37196), (100, 37160), (107, 37130), (108, 37127),

Gene: Pocahontas_57 Start: 38511, Stop: 37849, Start Num: 9

Candidate Starts for Pocahontas_57:

(Start: 9 @38511 has 590 MA's), (Start: 23 @38418 has 19 MA's), (26, 38403), (33, 38364), (36, 38352), (39, 38325), (58, 38205), (66, 38157), (74, 38097), (77, 38079), (78, 38073), (80, 38058), (81, 38043), (100, 37926), (105, 37908),

Gene: Polymorphads_56 Start: 38132, Stop: 37473, Start Num: 9

Candidate Starts for Polymorphads_56:

(Start: 9 @38132 has 590 MA's), (Start: 23 @38039 has 19 MA's), (27, 38021), (33, 37985), (36, 37973), (39, 37946), (42, 37931), (58, 37826), (77, 37700), (78, 37694), (80, 37679), (81, 37664), (93,

37583), (98, 37556), (100, 37547), (114, 37481),

Gene: Polyphemus_62 Start: 38103, Stop: 37471, Start Num: 9

Candidate Starts for Polyphemus_62:

(Start: 9 @38103 has 590 MA's), (Start: 23 @38010 has 19 MA's), (36, 37956), (44, 37899), (58, 37821), (67, 37755), (80, 37674), (85, 37629), (89, 37596), (93, 37578), (100, 37542), (107, 37512), (108, 37509),

Gene: Pomar16_61 Start: 38941, Stop: 38309, Start Num: 9

Candidate Starts for Pomar16_61:

(Start: 9 @38941 has 590 MA's), (Start: 23 @38848 has 19 MA's), (36, 38794), (39, 38767), (44, 38737), (58, 38659), (59, 38653), (67, 38593), (80, 38512), (85, 38467), (89, 38434), (93, 38416), (100, 38380),

Gene: Ponzi_29 Start: 17166, Stop: 16498, Start Num: 16

Candidate Starts for Ponzi_29:

(Start: 8 @17196 has 2 MA's), (Start: 16 @17166 has 1 MA's), (Start: 19 @17154 has 1 MA's), (37, 17007), (58, 16854), (60, 16836), (71, 16758), (76, 16737), (89, 16629), (93, 16611),

Gene: Poompha_54 Start: 37273, Stop: 36614, Start Num: 9

Candidate Starts for Poompha_54:

(Start: 9 @37273 has 590 MA's), (Start: 23 @37180 has 19 MA's), (36, 37114), (39, 37087), (50, 37024), (58, 36967), (66, 36919), (80, 36820), (81, 36805), (98, 36697), (100, 36688), (105, 36670), (107, 36658), (114, 36622),

Gene: Popcicle_57 Start: 38511, Stop: 37849, Start Num: 9

Candidate Starts for Popcicle_57:

(Start: 9 @38511 has 590 MA's), (Start: 23 @38418 has 19 MA's), (26, 38403), (33, 38364), (36, 38352), (39, 38325), (58, 38205), (66, 38157), (74, 38097), (77, 38079), (78, 38073), (80, 38058), (81, 38043), (100, 37926), (105, 37908),

Gene: PotatoSplit_64 Start: 38902, Stop: 38243, Start Num: 9

Candidate Starts for PotatoSplit_64:

(Start: 9 @38902 has 590 MA's), (Start: 23 @38809 has 19 MA's), (33, 38755), (36, 38743), (39, 38716), (58, 38596), (74, 38488), (77, 38470), (78, 38464), (93, 38353), (100, 38317), (105, 38299), (107, 38287),

Gene: Power_58 Start: 39109, Stop: 38477, Start Num: 9

Candidate Starts for Power_58:

(Start: 9 @39109 has 590 MA's), (Start: 23 @39016 has 19 MA's), (36, 38962), (44, 38905), (67, 38761), (77, 38701), (85, 38635), (89, 38602), (93, 38584), (100, 38548),

Gene: Priamo_62 Start: 37378, Stop: 36839, Start Num: 23

Candidate Starts for Priamo_62:

(Start: 9 @37471 has 590 MA's), (Start: 23 @37378 has 19 MA's), (36, 37324), (44, 37267), (58, 37189), (67, 37123), (80, 37042), (85, 36997), (89, 36964), (93, 36946), (100, 36910), (107, 36880), (108, 36877),

Gene: Prin Ashe11_53 Start: 38352, Stop: 37693, Start Num: 9

Candidate Starts for Prin Ashe11_53:

(Start: 9 @38352 has 590 MA's), (Start: 23 @38259 has 19 MA's), (27, 38241), (33, 38199), (36, 38187), (39, 38160), (41, 38148), (50, 38097), (78, 37920), (79, 37911), (81, 37890), (84, 37875), (85, 37860), (87, 37854), (89, 37827), (93, 37809), (98, 37782), (100, 37773), (105, 37755), (107, 37743),

(108, 37740),

Gene: Priya_59 Start: 38921, Stop: 38292, Start Num: 9

Candidate Starts for Priya_59:

(Start: 9 @38921 has 590 MA's), (Start: 23 @38828 has 19 MA's), (29, 38804), (36, 38780), (39, 38753), (42, 38738), (58, 38642), (59, 38636), (65, 38597), (67, 38576), (78, 38510), (85, 38450), (89, 38417), (100, 38363),

Gene: Procrass1_30 Start: 21331, Stop: 20660, Start Num: 12

Candidate Starts for Procrass1_30:

(Start: 12 @21331 has 44 MA's), (44, 21118), (50, 21079), (62, 20986), (65, 20977), (71, 20926), (91, 20791), (98, 20749), (110, 20692), (113, 20671),

Gene: Provolone_41 Start: 29256, Stop: 29921, Start Num: 7

Candidate Starts for Provolone_41:

(Start: 7 @29256 has 37 MA's), (Start: 9 @29271 has 590 MA's), (50, 29499), (58, 29556), (59, 29562), (61, 29583), (62, 29592), (71, 29652), (72, 29655), (74, 29664), (82, 29727), (85, 29748), (99, 29829), (104, 29850),

Gene: Prudy_57 Start: 39455, Stop: 38916, Start Num: 23

Candidate Starts for Prudy_57:

(Start: 23 @39455 has 19 MA's), (32, 39419), (36, 39401), (39, 39374), (44, 39344), (58, 39266), (59, 39260), (65, 39221), (67, 39200), (80, 39119), (85, 39074), (89, 39041), (93, 39023), (100, 38987),

Gene: Puginator_42 Start: 29667, Stop: 30329, Start Num: 6

Candidate Starts for Puginator_42:

(Start: 6 @29667 has 33 MA's), (17, 29715), (20, 29730), (21, 29751), (31, 29808), (41, 29868), (61, 29997), (80, 30117), (82, 30141), (111, 30297), (112, 30309),

Gene: Pumbaa_55 Start: 38084, Stop: 37425, Start Num: 9

Candidate Starts for Pumbaa_55:

(Start: 9 @38084 has 590 MA's), (Start: 23 @37991 has 19 MA's), (27, 37973), (33, 37937), (36, 37925), (39, 37898), (42, 37883), (58, 37778), (77, 37652), (78, 37646), (80, 37631), (81, 37616), (93, 37535), (98, 37508), (100, 37499), (114, 37433),

Gene: Puppy_59 Start: 38168, Stop: 37509, Start Num: 9

Candidate Starts for Puppy_59:

(Start: 9 @38168 has 590 MA's), (Start: 23 @38075 has 19 MA's), (33, 38021), (36, 38009), (39, 37982), (42, 37967), (50, 37919), (58, 37862), (66, 37814), (77, 37736), (80, 37715), (81, 37700), (93, 37619), (100, 37583), (105, 37565), (114, 37517),

Gene: PurpleHaze_62 Start: 38783, Stop: 38124, Start Num: 9

Candidate Starts for PurpleHaze_62:

(Start: 9 @38783 has 590 MA's), (Start: 23 @38690 has 19 MA's), (33, 38636), (36, 38624), (39, 38597), (58, 38477), (74, 38369), (77, 38351), (78, 38345), (89, 38252), (93, 38234), (100, 38198), (105, 38180), (107, 38168),

Gene: QueenB2_58 Start: 39087, Stop: 38455, Start Num: 9

Candidate Starts for QueenB2_58:

(Start: 9 @39087 has 590 MA's), (Start: 23 @38994 has 19 MA's), (32, 38958), (36, 38940), (44, 38883), (59, 38799), (67, 38739), (77, 38679), (85, 38613), (89, 38580), (100, 38526),

Gene: QueenBeesly_59 Start: 39056, Stop: 38424, Start Num: 9

Candidate Starts for QueenBeesly_59:

(Start: 9 @39056 has 590 MA's), (Start: 23 @38963 has 19 MA's), (36, 38909), (44, 38852), (67, 38708), (77, 38648), (85, 38582), (89, 38549), (93, 38531), (100, 38495),

Gene: QueenBey_30 Start: 21314, Stop: 20643, Start Num: 12

Candidate Starts for QueenBey_30:

(Start: 12 @21314 has 44 MA's), (44, 21101), (50, 21062), (62, 20969), (65, 20960), (67, 20939), (71, 20909), (91, 20774), (98, 20732), (110, 20675), (113, 20654),

Gene: QuinnKiro_56 Start: 38514, Stop: 37852, Start Num: 9

Candidate Starts for QuinnKiro_56:

(Start: 9 @38514 has 590 MA's), (Start: 23 @38421 has 19 MA's), (26, 38406), (33, 38367), (36, 38355), (39, 38328), (58, 38208), (66, 38160), (74, 38100), (77, 38082), (78, 38076), (80, 38061), (81, 38046), (100, 37929), (105, 37911),

Gene: Quokka_58 Start: 38151, Stop: 37627, Start Num: 26

Candidate Starts for Quokka_58:

(Start: 9 @38259 has 590 MA's), (Start: 23 @38166 has 19 MA's), (26, 38151), (36, 38112), (39, 38085), (44, 38055), (58, 37977), (65, 37932), (67, 37911), (80, 37830), (85, 37785), (89, 37752), (93, 37734), (100, 37698),

Gene: R4_40 Start: 29375, Stop: 30037, Start Num: 6

Candidate Starts for R4_40:

(Start: 6 @29375 has 33 MA's), (17, 29423), (24, 29486), (31, 29516), (41, 29576), (50, 29621), (61, 29705), (62, 29714), (80, 29825), (82, 29849), (104, 29969), (106, 29984), (111, 30005),

Gene: Rachaly_58 Start: 39355, Stop: 38723, Start Num: 9

Candidate Starts for Rachaly_58:

(Start: 9 @39355 has 590 MA's), (Start: 23 @39262 has 19 MA's), (36, 39208), (39, 39181), (58, 39073), (59, 39067), (67, 39007), (80, 38926), (85, 38881), (89, 38848), (93, 38830), (100, 38794),

Gene: Rahalelujah_59 Start: 38624, Stop: 37998, Start Num: 9

Candidate Starts for Rahalelujah_59:

(Start: 9 @38624 has 590 MA's), (Start: 19 @38588 has 1 MA's), (Start: 23 @38531 has 19 MA's), (36, 38483), (39, 38456), (41, 38444), (44, 38426), (58, 38348), (67, 38282), (74, 38240), (77, 38222), (80, 38201), (85, 38156), (89, 38123), (100, 38069),

Gene: Raid_55 Start: 38929, Stop: 38285, Start Num: 13

Candidate Starts for Raid_55:

(Start: 13 @38929 has 28 MA's), (30, 38806), (39, 38755), (41, 38743), (56, 38662), (61, 38614), (66, 38593), (67, 38575), (77, 38515), (85, 38449), (89, 38416), (93, 38398), (100, 38362), (107, 38332),

Gene: Rajelicia_55 Start: 40207, Stop: 39563, Start Num: 13

Candidate Starts for Rajelicia_55:

(Start: 13 @40207 has 28 MA's), (30, 40084), (39, 40033), (41, 40021), (61, 39892), (66, 39871), (85, 39727), (89, 39694), (93, 39676), (100, 39640), (107, 39610),

Gene: Rana_40 Start: 28695, Stop: 29360, Start Num: 7

Candidate Starts for Rana_40:

(Start: 7 @28695 has 37 MA's), (Start: 9 @28710 has 590 MA's), (11, 28713), (36, 28854), (50, 28938), (58, 28995), (59, 29001), (61, 29022), (71, 29091), (72, 29094), (74, 29103), (76, 29112), (77, 29121), (82, 29166), (85, 29187), (99, 29268), (104, 29289), (112, 29337),

Gene: Rasputin_48 Start: 35250, Stop: 34591, Start Num: 9

Candidate Starts for Rasputin_48:

(Start: 9 @35250 has 590 MA's), (28, 35127), (36, 35091), (39, 35064), (44, 35034), (49, 35004), (50, 35001), (51, 34995), (58, 34944), (65, 34899), (67, 34878), (77, 34818), (78, 34812), (105, 34647), (108, 34632),

Gene: Ravana_69 Start: 39587, Stop: 38973, Start Num: 15

Candidate Starts for Ravana_69:

(Start: 9 @39605 has 590 MA's), (Start: 15 @39587 has 1 MA's), (Start: 23 @39512 has 19 MA's), (39, 39434), (42, 39419), (44, 39404), (64, 39284), (65, 39281), (76, 39209), (80, 39179), (89, 39101), (100, 39047),

Gene: ReMo_64 Start: 38278, Stop: 37646, Start Num: 9

Candidate Starts for ReMo_64:

(Start: 9 @38278 has 590 MA's), (Start: 15 @38260 has 1 MA's), (Start: 23 @38185 has 19 MA's), (39, 38107), (42, 38092), (44, 38077), (64, 37957), (65, 37954), (76, 37882), (80, 37852), (89, 37774), (93, 37756), (100, 37720),

Gene: Reba_62 Start: 38443, Stop: 37784, Start Num: 9

Candidate Starts for Reba_62:

(Start: 9 @38443 has 590 MA's), (Start: 23 @38350 has 19 MA's), (33, 38296), (36, 38284), (39, 38257), (58, 38137), (74, 38029), (77, 38011), (78, 38005), (89, 37912), (93, 37894), (100, 37858), (105, 37840), (107, 37828),

Gene: Rebeuca_56 Start: 38420, Stop: 37761, Start Num: 9

Candidate Starts for Rebeuca_56:

(Start: 9 @38420 has 590 MA's), (Start: 23 @38327 has 19 MA's), (36, 38261), (39, 38234), (50, 38171), (58, 38114), (66, 38066), (74, 38006), (77, 37988), (80, 37967), (81, 37952), (98, 37844), (100, 37835), (105, 37817), (107, 37805), (114, 37769),

Gene: RedBear_40 Start: 28378, Stop: 29028, Start Num: 9

Candidate Starts for RedBear_40:

(Start: 7 @28363 has 37 MA's), (Start: 9 @28378 has 590 MA's), (11, 28381), (50, 28606), (58, 28663), (59, 28669), (61, 28690), (62, 28699), (71, 28759), (74, 28771), (76, 28780), (77, 28789), (82, 28834), (85, 28855), (99, 28936), (104, 28957), (112, 29005),

Gene: Refuge_57 Start: 40195, Stop: 39569, Start Num: 9

Candidate Starts for Refuge_57:

(Start: 9 @40195 has 590 MA's), (Start: 23 @40102 has 19 MA's), (36, 40054), (39, 40027), (49, 39967), (58, 39919), (59, 39913), (67, 39853), (77, 39793), (78, 39787), (85, 39727), (89, 39694), (93, 39676), (100, 39640),

Gene: Relief_54 Start: 38136, Stop: 37477, Start Num: 9

Candidate Starts for Relief_54:

(Start: 9 @38136 has 590 MA's), (Start: 23 @38043 has 19 MA's), (27, 38025), (33, 37989), (36, 37977), (39, 37950), (42, 37935), (58, 37830), (77, 37704), (78, 37698), (80, 37683), (81, 37668), (93, 37587), (98, 37560), (100, 37551), (114, 37485),

Gene: Remus_66 Start: 38284, Stop: 37652, Start Num: 9

Candidate Starts for Remus_66:

(Start: 9 @38284 has 590 MA's), (Start: 15 @38266 has 1 MA's), (Start: 23 @38191 has 19 MA's), (39, 38113), (42, 38098), (44, 38083), (64, 37963), (65, 37960), (76, 37888), (80, 37858), (89, 37780), (100, 37726),

Gene: ResDef_57 Start: 38514, Stop: 37852, Start Num: 9

Candidate Starts for ResDef_57:

(Start: 9 @38514 has 590 MA's), (Start: 23 @38421 has 19 MA's), (26, 38406), (33, 38367), (36, 38355), (39, 38328), (58, 38208), (66, 38160), (74, 38100), (77, 38082), (78, 38076), (80, 38061), (81, 38046), (100, 37929), (105, 37911),

Gene: RetrieverFever_57 Start: 30569, Stop: 29937, Start Num: 9

Candidate Starts for RetrieverFever_57:

(Start: 9 @30569 has 590 MA's), (Start: 15 @30551 has 1 MA's), (17, 30539), (44, 30371), (47, 30347), (65, 30245), (77, 30164), (85, 30098), (94, 30044), (95, 30041),

Gene: Retro23_60 Start: 39301, Stop: 38669, Start Num: 9

Candidate Starts for Retro23_60:

(Start: 9 @39301 has 590 MA's), (Start: 23 @39208 has 19 MA's), (36, 39154), (44, 39097), (59, 39013), (67, 38953), (77, 38893), (85, 38827), (89, 38794), (100, 38740),

Gene: RexFury_47 Start: 35311, Stop: 34652, Start Num: 9

Candidate Starts for RexFury_47:

(Start: 9 @35311 has 590 MA's), (28, 35188), (36, 35152), (39, 35125), (44, 35095), (49, 35065), (50, 35062), (51, 35056), (58, 35005), (65, 34960), (67, 34939), (77, 34879), (78, 34873), (105, 34708), (108, 34693),

Gene: RhynO_56 Start: 38222, Stop: 37563, Start Num: 9

Candidate Starts for RhynO_56:

(Start: 9 @38222 has 590 MA's), (Start: 23 @38129 has 19 MA's), (36, 38063), (39, 38036), (50, 37973), (58, 37916), (66, 37868), (77, 37790), (78, 37784), (80, 37769), (81, 37754), (98, 37646), (100, 37637), (105, 37619), (107, 37607), (114, 37571),

Gene: Rideau_62 Start: 31136, Stop: 30504, Start Num: 9

Candidate Starts for Rideau_62:

(Start: 9 @31136 has 590 MA's), (Start: 15 @31118 has 1 MA's), (17, 31106), (44, 30938), (47, 30914), (57, 30875), (65, 30812), (77, 30731), (85, 30665),

Gene: RidgeCB_54 Start: 39408, Stop: 38827, Start Num: 22

Candidate Starts for RidgeCB_54:

(Start: 22 @39408 has 37 MA's), (30, 39351), (36, 39327), (39, 39300), (41, 39288), (49, 39240), (65, 39141), (71, 39090), (85, 38994), (89, 38961), (93, 38943), (100, 38907), (107, 38874), (108, 38871),

Gene: Rifter_61 Start: 37329, Stop: 36697, Start Num: 9

Candidate Starts for Rifter_61:

(Start: 9 @37329 has 590 MA's), (Start: 23 @37236 has 19 MA's), (36, 37182), (44, 37125), (59, 37041), (67, 36981), (85, 36855), (89, 36822), (93, 36804), (100, 36768), (107, 36738), (108, 36735),

Gene: Rileysaurus_30 Start: 21416, Stop: 20691, Start Num: 4

Candidate Starts for Rileysaurus_30:

(Start: 4 @21416 has 1 MA's), (Start: 12 @21362 has 44 MA's), (44, 21149), (50, 21110), (62, 21017), (65, 21008), (67, 20987), (71, 20957), (91, 20822), (98, 20780), (103, 20759), (110, 20723), (113, 20702),

Gene: Roary_60 Start: 38199, Stop: 37546, Start Num: 9

Candidate Starts for Roary_60:

(Start: 9 @38199 has 590 MA's), (Start: 23 @38106 has 19 MA's), (33, 38046), (36, 38034), (39, 38007), (48, 37950), (58, 37899), (59, 37893), (80, 37752), (81, 37737), (85, 37707), (89, 37674), (105, 37602), (106, 37593), (108, 37587), (112, 37563),

Gene: Rockstar_57 Start: 38019, Stop: 37357, Start Num: 9

Candidate Starts for Rockstar_57:

(Start: 9 @38019 has 590 MA's), (Start: 23 @37926 has 19 MA's), (33, 37872), (36, 37860), (39, 37833), (42, 37818), (50, 37770), (58, 37713), (66, 37665), (74, 37605), (77, 37587), (78, 37581), (80, 37566), (81, 37551), (85, 37521), (93, 37470), (100, 37434), (105, 37416), (114, 37368),

Gene: Rohr_56 Start: 39419, Stop: 38772, Start Num: 13

Candidate Starts for Rohr_56:

(Start: 13 @39419 has 28 MA's), (30, 39296), (39, 39245), (41, 39233), (56, 39152), (61, 39104), (66, 39083), (67, 39065), (85, 38939), (89, 38906), (93, 38888), (100, 38852), (107, 38819), (108, 38816),

Gene: Roimos_58 Start: 38372, Stop: 37710, Start Num: 9

Candidate Starts for Roimos_58:

(Start: 9 @38372 has 590 MA's), (Start: 23 @38279 has 19 MA's), (33, 38225), (36, 38213), (39, 38186), (42, 38171), (50, 38123), (58, 38066), (66, 38018), (74, 37958), (78, 37934), (80, 37919), (81, 37904), (85, 37874), (93, 37823), (100, 37787), (105, 37769), (114, 37721),

Gene: Roksolana_62 Start: 38163, Stop: 37531, Start Num: 9

Candidate Starts for Roksolana_62:

(Start: 9 @38163 has 590 MA's), (Start: 23 @38070 has 19 MA's), (36, 38016), (44, 37959), (59, 37875), (67, 37815), (85, 37689), (89, 37656), (93, 37638), (100, 37602), (105, 37584), (107, 37572), (108, 37569),

Gene: Romero_58 Start: 30968, Stop: 30336, Start Num: 9

Candidate Starts for Romero_58:

(Start: 9 @30968 has 590 MA's), (Start: 15 @30950 has 1 MA's), (17, 30938), (24, 30878), (44, 30770), (45, 30752), (47, 30746), (62, 30653), (78, 30557), (85, 30497),

Gene: Romney_55 Start: 38136, Stop: 37477, Start Num: 9

Candidate Starts for Romney_55:

(Start: 9 @38136 has 590 MA's), (Start: 23 @38043 has 19 MA's), (27, 38025), (33, 37989), (36, 37977), (39, 37950), (42, 37935), (58, 37830), (77, 37704), (78, 37698), (80, 37683), (81, 37668), (93, 37587), (98, 37560), (100, 37551), (114, 37485),

Gene: Roosevelt_54 Start: 38141, Stop: 37482, Start Num: 9

Candidate Starts for Roosevelt_54:

(Start: 9 @38141 has 590 MA's), (Start: 23 @38048 has 19 MA's), (27, 38030), (33, 37994), (36, 37982), (39, 37955), (42, 37940), (58, 37835), (77, 37709), (78, 37703), (80, 37688), (81, 37673), (93, 37592), (98, 37565), (100, 37556), (114, 37490),

Gene: Rosa24_54 Start: 38167, Stop: 37508, Start Num: 9

Candidate Starts for Rosa24_54:

(Start: 9 @38167 has 590 MA's), (Start: 23 @38074 has 19 MA's), (27, 38056), (33, 38020), (36, 38008), (39, 37981), (42, 37966), (58, 37861), (77, 37735), (78, 37729), (80, 37714), (81, 37699), (93, 37618), (98, 37591), (100, 37582), (114, 37516),

Gene: Rosalind_64 Start: 38436, Stop: 37804, Start Num: 9

Candidate Starts for Rosalind_64:

(Start: 9 @38436 has 590 MA's), (Start: 15 @38418 has 1 MA's), (Start: 23 @38343 has 19 MA's), (39, 38265), (42, 38250), (44, 38235), (64, 38115), (65, 38112), (76, 38040), (80, 38010), (89, 37932), (100, 37878),

Gene: RosePharie_58 Start: 30792, Stop: 30160, Start Num: 9

Candidate Starts for RosePharie_58:

(Start: 9 @30792 has 590 MA's), (Start: 15 @30774 has 1 MA's), (17, 30762), (44, 30594), (47, 30570), (52, 30555), (65, 30468), (77, 30387), (85, 30321), (94, 30267), (95, 30264),

Gene: Rowdy_59 Start: 38133, Stop: 37474, Start Num: 9

Candidate Starts for Rowdy_59:

(Start: 9 @38133 has 590 MA's), (Start: 23 @38040 has 19 MA's), (36, 37974), (39, 37947), (50, 37884), (58, 37827), (66, 37779), (74, 37719), (77, 37701), (78, 37695), (80, 37680), (81, 37665), (98, 37557), (100, 37548), (105, 37530), (107, 37518), (114, 37482),

Gene: Rufus_56 Start: 38896, Stop: 38318, Start Num: 22

Candidate Starts for Rufus_56:

(Start: 22 @38896 has 37 MA's), (30, 38839), (36, 38815), (39, 38788), (41, 38776), (49, 38728), (71, 38578), (85, 38482), (86, 38479), (89, 38449), (93, 38431), (100, 38395), (107, 38365),

Gene: Ruin_55 Start: 38132, Stop: 37473, Start Num: 9

Candidate Starts for Ruin_55:

(Start: 9 @38132 has 590 MA's), (Start: 23 @38039 has 19 MA's), (27, 38021), (33, 37985), (36, 37973), (39, 37946), (42, 37931), (58, 37826), (77, 37700), (78, 37694), (80, 37679), (81, 37664), (93, 37583), (98, 37556), (100, 37547), (114, 37481),

Gene: Rummer_61 Start: 38926, Stop: 38267, Start Num: 9

Candidate Starts for Rummer_61:

(Start: 9 @38926 has 590 MA's), (Start: 23 @38833 has 19 MA's), (33, 38779), (36, 38767), (39, 38740), (58, 38620), (74, 38512), (77, 38494), (78, 38488), (93, 38377), (100, 38341), (105, 38323), (107, 38311),

Gene: RunningOnE_40 Start: 17845, Stop: 17144, Start Num: 11

Candidate Starts for RunningOnE_40:

(11, 17845), (Start: 16 @17824 has 1 MA's), (26, 17740), (46, 17578), (55, 17539), (67, 17440), (73, 17404), (79, 17365), (91, 17275), (93, 17263), (115, 17155),

Gene: RyeScarlet_60 Start: 38926, Stop: 38297, Start Num: 9

Candidate Starts for RyeScarlet_60:

(Start: 9 @38926 has 590 MA's), (Start: 23 @38833 has 19 MA's), (29, 38809), (36, 38785), (39, 38758), (42, 38743), (58, 38647), (59, 38641), (65, 38602), (67, 38581), (78, 38515), (85, 38455), (89, 38422), (100, 38368), (107, 38338),

Gene: SKKY_30 Start: 21113, Stop: 20442, Start Num: 12

Candidate Starts for SKKY_30:

(Start: 12 @21113 has 44 MA's), (44, 20900), (50, 20861), (58, 20804), (62, 20768), (65, 20759), (71, 20708), (91, 20573), (98, 20531), (110, 20474), (113, 20453),

Gene: Sabertooth_55 Start: 38141, Stop: 37482, Start Num: 9

Candidate Starts for Sabertooth_55:

(Start: 9 @38141 has 590 MA's), (Start: 23 @38048 has 19 MA's), (27, 38030), (33, 37994), (36, 37982), (39, 37955), (42, 37940), (58, 37835), (77, 37709), (78, 37703), (80, 37688), (81, 37673), (93, 37592), (98, 37565), (100, 37556), (114, 37490),

Gene: Sabia_62 Start: 38907, Stop: 38248, Start Num: 9

Candidate Starts for Sabia_62:

(Start: 9 @38907 has 590 MA's), (Start: 23 @38814 has 19 MA's), (33, 38760), (36, 38748), (39, 38721), (58, 38601), (74, 38493), (77, 38475), (78, 38469), (93, 38358), (100, 38322), (105, 38304), (107, 38292),

Gene: Sabinator_61 Start: 38897, Stop: 38238, Start Num: 9

Candidate Starts for Sabinator_61:

(Start: 9 @38897 has 590 MA's), (Start: 23 @38804 has 19 MA's), (33, 38750), (36, 38738), (39, 38711), (58, 38591), (74, 38483), (77, 38465), (78, 38459), (93, 38348), (100, 38312), (105, 38294), (107, 38282),

Gene: Saftant_40 Start: 29828, Stop: 30493, Start Num: 7

Candidate Starts for Saftant_40:

(Start: 7 @29828 has 37 MA's), (Start: 9 @29843 has 590 MA's), (50, 30071), (58, 30128), (59, 30134), (61, 30155), (62, 30164), (71, 30224), (72, 30227), (74, 30236), (82, 30299), (104, 30422), (112, 30470),

Gene: Sagefire_57 Start: 40104, Stop: 39526, Start Num: 22

Candidate Starts for Sagefire_57:

(Start: 22 @40104 has 37 MA's), (30, 40047), (36, 40023), (39, 39996), (41, 39984), (49, 39936), (86, 39687), (89, 39657), (93, 39639), (100, 39603), (107, 39573),

Gene: Saintus_54 Start: 34867, Stop: 34214, Start Num: 9

Candidate Starts for Saintus_54:

(Start: 9 @34867 has 590 MA's), (Start: 23 @34774 has 19 MA's), (33, 34714), (36, 34702), (39, 34675), (48, 34618), (58, 34567), (59, 34561), (80, 34420), (81, 34405), (85, 34375), (89, 34342), (105, 34270), (106, 34261), (108, 34255), (112, 34231),

Gene: Salz_58 Start: 38179, Stop: 37532, Start Num: 9

Candidate Starts for Salz_58:

(Start: 9 @38179 has 590 MA's), (Start: 23 @38086 has 19 MA's), (36, 38032), (39, 38005), (44, 37975), (59, 37879), (67, 37819), (78, 37753), (80, 37738), (85, 37693), (88, 37684), (89, 37660), (100, 37606), (108, 37573),

Gene: SarahRose_39 Start: 28203, Stop: 28853, Start Num: 9

Candidate Starts for SarahRose_39:

(Start: 7 @28188 has 37 MA's), (Start: 9 @28203 has 590 MA's), (11, 28206), (36, 28347), (50, 28431), (58, 28488), (59, 28494), (61, 28515), (69, 28560), (71, 28584), (74, 28596), (76, 28605), (77, 28614), (82, 28659), (85, 28680), (99, 28761), (104, 28782), (112, 28830),

Gene: Saskia_60 Start: 38207, Stop: 37560, Start Num: 9

Candidate Starts for Saskia_60:

(Start: 9 @38207 has 590 MA's), (Start: 23 @38114 has 19 MA's), (36, 38060), (39, 38033), (44, 38003), (59, 37907), (67, 37847), (78, 37781), (80, 37766), (85, 37721), (88, 37712), (89, 37688), (96, 37658), (100, 37634), (108, 37601),

Gene: SaturnRing_59 Start: 38549, Stop: 37890, Start Num: 9

Candidate Starts for SaturnRing_59:

(Start: 9 @38549 has 590 MA's), (Start: 23 @38456 has 19 MA's), (33, 38402), (36, 38390), (39, 38363), (42, 38348), (50, 38300), (58, 38243), (66, 38195), (77, 38117), (80, 38096), (81, 38081), (93, 38000), (100, 37964), (105, 37946), (114, 37898),

Gene: Scamp_55 Start: 38141, Stop: 37482, Start Num: 9

Candidate Starts for Scamp_55:

(Start: 9 @38141 has 590 MA's), (Start: 23 @38048 has 19 MA's), (27, 38030), (33, 37994), (36, 37982), (39, 37955), (42, 37940), (58, 37835), (77, 37709), (78, 37703), (80, 37688), (81, 37673), (93, 37592), (98, 37565), (100, 37556), (114, 37490),

Gene: Scorpia_58 Start: 38590, Stop: 37928, Start Num: 9

Candidate Starts for Scorpia_58:

(Start: 9 @38590 has 590 MA's), (Start: 23 @38497 has 19 MA's), (27, 38479), (33, 38437), (36, 38425), (39, 38398), (41, 38386), (42, 38383), (67, 38221), (78, 38155), (79, 38146), (81, 38125), (85, 38095), (87, 38089), (89, 38062), (98, 38017), (100, 38008), (105, 37990), (107, 37978), (108, 37975),

Gene: Scout_58 Start: 37703, Stop: 37041, Start Num: 9

Candidate Starts for Scout_58:

(Start: 9 @37703 has 590 MA's), (Start: 23 @37610 has 19 MA's), (33, 37556), (36, 37544), (39, 37517), (42, 37502), (50, 37454), (58, 37397), (66, 37349), (74, 37289), (78, 37265), (80, 37250), (81, 37235), (85, 37205), (93, 37154), (100, 37118), (105, 37100), (114, 37052),

Gene: Seanderson_56 Start: 40628, Stop: 40047, Start Num: 22

Candidate Starts for Seanderson_56:

(Start: 22 @40628 has 37 MA's), (30, 40571), (36, 40547), (39, 40520), (41, 40508), (49, 40460), (65, 40361), (71, 40310), (85, 40214), (89, 40181), (93, 40163), (100, 40127), (107, 40094), (108, 40091),

Gene: SemperFi_60 Start: 39324, Stop: 38692, Start Num: 9

Candidate Starts for SemperFi_60:

(Start: 9 @39324 has 590 MA's), (Start: 23 @39231 has 19 MA's), (36, 39177), (44, 39120), (67, 38976), (77, 38916), (85, 38850), (89, 38817), (93, 38799), (100, 38763),

Gene: SenorClean_55 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for SenorClean_55:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Serenity_60 Start: 38472, Stop: 37840, Start Num: 9

Candidate Starts for Serenity_60:

(Start: 9 @38472 has 590 MA's), (Start: 23 @38379 has 19 MA's), (26, 38364), (36, 38325), (39, 38298), (44, 38268), (58, 38190), (67, 38124), (77, 38064), (80, 38043), (85, 37998), (89, 37965), (100, 37911),

Gene: Severus_54 Start: 37273, Stop: 36614, Start Num: 9

Candidate Starts for Severus_54:

(Start: 9 @37273 has 590 MA's), (Start: 23 @37180 has 19 MA's), (36, 37114), (39, 37087), (50, 37024), (58, 36967), (66, 36919), (80, 36820), (81, 36805), (98, 36697), (100, 36688), (107, 36658), (114, 36622),

Gene: Shaka_55 Start: 38136, Stop: 37477, Start Num: 9

Candidate Starts for Shaka_55:

(Start: 9 @38136 has 590 MA's), (Start: 23 @38043 has 19 MA's), (27, 38025), (33, 37989), (36, 37977), (39, 37950), (42, 37935), (58, 37830), (77, 37704), (78, 37698), (80, 37683), (81, 37668), (93, 37587), (98, 37560), (100, 37551), (114, 37485),

Gene: Sham4_59 Start: 38207, Stop: 37560, Start Num: 9

Candidate Starts for Sham4_59:

(Start: 9 @38207 has 590 MA's), (Start: 23 @38114 has 19 MA's), (36, 38060), (39, 38033), (44, 38003), (59, 37907), (67, 37847), (78, 37781), (80, 37766), (85, 37721), (88, 37712), (89, 37688), (100, 37634), (108, 37601),

Gene: Shapes_59 Start: 38133, Stop: 37474, Start Num: 9

Candidate Starts for Shapes_59:

(Start: 9 @38133 has 590 MA's), (Start: 23 @38040 has 19 MA's), (36, 37974), (39, 37947), (50, 37884), (58, 37827), (66, 37779), (74, 37719), (77, 37701), (78, 37695), (80, 37680), (81, 37665), (98, 37557), (100, 37548), (105, 37530), (107, 37518), (114, 37482),

Gene: ShayRa_66 Start: 38447, Stop: 37833, Start Num: 15

Candidate Starts for ShayRa_66:

(Start: 9 @38465 has 590 MA's), (Start: 15 @38447 has 1 MA's), (Start: 23 @38372 has 19 MA's), (39, 38294), (42, 38279), (44, 38264), (64, 38144), (65, 38141), (76, 38069), (80, 38039), (89, 37961), (93, 37943), (100, 37907),

Gene: SheaKeira_57 Start: 38561, Stop: 37935, Start Num: 9

Candidate Starts for SheaKeira_57:

(Start: 9 @38561 has 590 MA's), (Start: 23 @38468 has 19 MA's), (36, 38420), (39, 38393), (58, 38285), (59, 38279), (67, 38219), (74, 38177), (80, 38138), (85, 38093), (100, 38006),

Gene: Sheen_57 Start: 40842, Stop: 40195, Start Num: 9

Candidate Starts for Sheen_57:

(Start: 9 @40842 has 590 MA's), (Start: 23 @40749 has 19 MA's), (26, 40734), (30, 40707), (34, 40692), (39, 40656), (41, 40644), (42, 40641), (50, 40593), (58, 40548), (67, 40482), (74, 40440), (78, 40416), (81, 40386), (90, 40320), (98, 40278), (100, 40269), (112, 40212), (114, 40203),

Gene: SheldonCooper_56 Start: 38543, Stop: 37884, Start Num: 9

Candidate Starts for SheldonCooper_56:

(Start: 9 @38543 has 590 MA's), (Start: 23 @38450 has 19 MA's), (33, 38396), (36, 38384), (39, 38357), (42, 38342), (58, 38237), (77, 38111), (80, 38090), (81, 38075), (93, 37994), (98, 37967), (100, 37958), (114, 37892),

Gene: ShortQueendom_49 Start: 36257, Stop: 35676, Start Num: 22

Candidate Starts for ShortQueendom_49:

(Start: 22 @36257 has 37 MA's), (30, 36200), (36, 36176), (39, 36149), (41, 36137), (49, 36089), (65, 35990), (71, 35939), (85, 35843), (89, 35810), (93, 35792), (100, 35756), (107, 35726), (108, 35723),

Gene: Shuman_48 Start: 35234, Stop: 34575, Start Num: 9

Candidate Starts for Shuman_48:

(Start: 9 @35234 has 590 MA's), (28, 35111), (36, 35075), (39, 35048), (44, 35018), (49, 34988), (50, 34985), (51, 34979), (58, 34928), (65, 34883), (67, 34862), (78, 34796), (105, 34631), (108, 34616),

Gene: Shygu2_54 Start: 38141, Stop: 37482, Start Num: 9

Candidate Starts for Shygu2_54:

(Start: 9 @38141 has 590 MA's), (Start: 23 @38048 has 19 MA's), (27, 38030), (33, 37994), (36, 37982), (39, 37955), (42, 37940), (58, 37835), (77, 37709), (78, 37703), (80, 37688), (81, 37673), (93, 37592), (100, 37556), (114, 37490),

Gene: Sibs6_57 Start: 37930, Stop: 37352, Start Num: 22

Candidate Starts for Sibs6_57:

(Start: 22 @37930 has 37 MA's), (30, 37873), (36, 37849), (39, 37822), (41, 37810), (49, 37762), (71, 37612), (85, 37516), (86, 37513), (89, 37483), (93, 37465), (100, 37429), (107, 37399),

Gene: Sknot_59 Start: 38754, Stop: 38122, Start Num: 9

Candidate Starts for Sknot_59:

(Start: 9 @38754 has 590 MA's), (Start: 23 @38661 has 19 MA's), (36, 38607), (44, 38550), (54, 38496), (58, 38472), (59, 38466), (67, 38406), (77, 38346), (80, 38325), (85, 38280), (89, 38247), (100, 38193),

Gene: Smeadley_59 Start: 38060, Stop: 37407, Start Num: 9

Candidate Starts for Smeadley_59:

(Start: 9 @38060 has 590 MA's), (Start: 23 @37967 has 19 MA's), (33, 37907), (36, 37895), (39, 37868), (48, 37811), (58, 37760), (59, 37754), (80, 37613), (81, 37598), (85, 37568), (89, 37535), (105, 37463), (106, 37454), (108, 37448), (112, 37424),

Gene: Smeagan_62 Start: 39617, Stop: 38985, Start Num: 9

Candidate Starts for Smeagan_62:

(Start: 9 @39617 has 590 MA's), (Start: 23 @39524 has 19 MA's), (36, 39470), (42, 39428), (44, 39413), (59, 39329), (67, 39269), (77, 39209), (85, 39143), (89, 39110), (100, 39056),

Gene: SmellyB_60 Start: 37718, Stop: 37086, Start Num: 9

Candidate Starts for SmellyB_60:

(Start: 9 @37718 has 590 MA's), (Start: 23 @37625 has 19 MA's), (36, 37571), (44, 37514), (58, 37436), (67, 37370), (80, 37289), (85, 37244), (89, 37211), (93, 37193), (100, 37157), (107, 37127), (108, 37124),

Gene: SnapTap_59 Start: 39135, Stop: 38503, Start Num: 9

Candidate Starts for SnapTap_59:

(Start: 9 @39135 has 590 MA's), (Start: 23 @39042 has 19 MA's), (36, 38988), (44, 38931), (67, 38787), (77, 38727), (85, 38661), (89, 38628), (93, 38610), (100, 38574),

Gene: Snape_59 Start: 38199, Stop: 37552, Start Num: 9

Candidate Starts for Snape_59:

(Start: 9 @38199 has 590 MA's), (Start: 23 @38106 has 19 MA's), (36, 38052), (39, 38025), (44, 37995), (59, 37899), (67, 37839), (78, 37773), (80, 37758), (85, 37713), (88, 37704), (89, 37680), (100, 37626), (108, 37593),

Gene: Snickers_62 Start: 38872, Stop: 38213, Start Num: 9

Candidate Starts for Snickers_62:

(Start: 9 @38872 has 590 MA's), (Start: 23 @38779 has 19 MA's), (33, 38725), (36, 38713), (39, 38686), (58, 38566), (74, 38458), (77, 38440), (78, 38434), (93, 38323), (100, 38287), (105, 38269), (107, 38257),

Gene: Snorlax_39 Start: 28207, Stop: 28857, Start Num: 9

Candidate Starts for Snorlax_39:

(Start: 7 @28192 has 37 MA's), (Start: 9 @28207 has 590 MA's), (11, 28210), (36, 28351), (50, 28435), (58, 28492), (59, 28498), (61, 28519), (69, 28564), (71, 28588), (74, 28600), (76, 28609), (77, 28618), (82, 28663), (85, 28684), (99, 28765), (104, 28786), (112, 28834),

Gene: SoYo_62 Start: 38810, Stop: 38151, Start Num: 9

Candidate Starts for SoYo_62:

(Start: 9 @38810 has 590 MA's), (Start: 23 @38717 has 19 MA's), (33, 38663), (36, 38651), (39, 38624), (58, 38504), (74, 38396), (77, 38378), (78, 38372), (93, 38261), (100, 38225), (105, 38207),

(107, 38195),

Gene: SoilDragon_62 Start: 38346, Stop: 37687, Start Num: 9

Candidate Starts for SoilDragon_62:

(Start: 9 @38346 has 590 MA's), (Start: 23 @38253 has 19 MA's), (33, 38199), (36, 38187), (39, 38160), (58, 38040), (74, 37932), (77, 37914), (78, 37908), (93, 37797), (100, 37761), (105, 37743), (107, 37731),

Gene: Solid_30 Start: 21344, Stop: 20673, Start Num: 12

Candidate Starts for Solid_30:

(Start: 12 @21344 has 44 MA's), (44, 21131), (50, 21092), (62, 20999), (65, 20990), (67, 20969), (71, 20939), (91, 20804), (97, 20768), (98, 20762), (110, 20705), (113, 20684),

Gene: SororFago_60 Start: 39900, Stop: 39274, Start Num: 9

Candidate Starts for SororFago_60:

(Start: 9 @39900 has 590 MA's), (Start: 19 @39864 has 1 MA's), (Start: 23 @39807 has 19 MA's), (36, 39759), (44, 39702), (58, 39624), (67, 39558), (74, 39516), (80, 39477), (82, 39453), (85, 39432), (100, 39345), (108, 39312),

Gene: Soshari_64 Start: 38922, Stop: 38263, Start Num: 9

Candidate Starts for Soshari_64:

(Start: 9 @38922 has 590 MA's), (Start: 23 @38829 has 19 MA's), (33, 38775), (36, 38763), (39, 38736), (58, 38616), (74, 38508), (77, 38490), (78, 38484), (93, 38373), (100, 38337), (105, 38319), (107, 38307),

Gene: Soups_66 Start: 38728, Stop: 38096, Start Num: 9

Candidate Starts for Soups_66:

(Start: 9 @38728 has 590 MA's), (Start: 15 @38710 has 1 MA's), (Start: 23 @38635 has 19 MA's), (39, 38557), (42, 38542), (44, 38527), (64, 38407), (65, 38404), (76, 38332), (80, 38302), (89, 38224), (93, 38206), (100, 38170),

Gene: South40_39 Start: 28378, Stop: 29028, Start Num: 9

Candidate Starts for South40_39:

(Start: 7 @28363 has 37 MA's), (Start: 9 @28378 has 590 MA's), (11, 28381), (50, 28606), (58, 28663), (59, 28669), (61, 28690), (62, 28699), (71, 28759), (74, 28771), (76, 28780), (77, 28789), (82, 28834), (85, 28855), (99, 28936), (104, 28957), (112, 29005),

Gene: Sparxx_56 Start: 38134, Stop: 37475, Start Num: 9

Candidate Starts for Sparxx_56:

(Start: 9 @38134 has 590 MA's), (Start: 23 @38041 has 19 MA's), (27, 38023), (33, 37987), (36, 37975), (39, 37948), (42, 37933), (58, 37828), (77, 37702), (78, 37696), (80, 37681), (81, 37666), (93, 37585), (98, 37558), (100, 37549), (114, 37483),

Gene: Speedwell_45 Start: 31124, Stop: 31789, Start Num: 7

Candidate Starts for Speedwell_45:

(Start: 7 @31124 has 37 MA's), (Start: 9 @31139 has 590 MA's), (24, 31232), (50, 31367), (58, 31424), (59, 31430), (61, 31451), (71, 31520), (74, 31532), (78, 31556), (82, 31595), (85, 31616), (104, 31718),

Gene: Spike509_62 Start: 38923, Stop: 38264, Start Num: 9

Candidate Starts for Spike509_62:

(Start: 9 @38923 has 590 MA's), (Start: 23 @38830 has 19 MA's), (33, 38776), (36, 38764), (39, 38737), (58, 38617), (74, 38509), (78, 38485), (100, 38338), (105, 38320), (107, 38308),

Gene: Spino_54 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for Spino_54:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Spooks_29 Start: 19747, Stop: 19046, Start Num: 8

Candidate Starts for Spooks_29:

(Start: 8 @19747 has 2 MA's), (Start: 19 @19705 has 1 MA's), (46, 19474), (68, 19330), (92, 19168), (100, 19123),

Gene: Spouty_59 Start: 38920, Stop: 38291, Start Num: 9

Candidate Starts for Spouty_59:

(Start: 9 @38920 has 590 MA's), (Start: 23 @38827 has 19 MA's), (29, 38803), (36, 38779), (39, 38752), (42, 38737), (58, 38641), (59, 38635), (65, 38596), (67, 38575), (78, 38509), (85, 38449), (89, 38416), (100, 38362),

Gene: SqueakyClean_39 Start: 29137, Stop: 29796, Start Num: 6

Candidate Starts for SqueakyClean_39:

(Start: 6 @29137 has 33 MA's), (17, 29185), (24, 29248), (41, 29338), (61, 29467), (80, 29587), (82, 29611), (85, 29632), (99, 29713),

Gene: Squee_55 Start: 39447, Stop: 38869, Start Num: 22

Candidate Starts for Squee_55:

(Start: 22 @39447 has 37 MA's), (30, 39390), (36, 39366), (38, 39354), (39, 39339), (41, 39327), (49, 39279), (65, 39180), (71, 39129), (85, 39033), (89, 39000), (93, 38982), (100, 38946), (107, 38916),

Gene: StCroix_47 Start: 35293, Stop: 34634, Start Num: 9

Candidate Starts for StCroix_47:

(Start: 9 @35293 has 590 MA's), (28, 35170), (36, 35134), (39, 35107), (44, 35077), (49, 35047), (50, 35044), (51, 35038), (58, 34987), (65, 34942), (67, 34921), (77, 34861), (78, 34855), (105, 34690), (108, 34675),

Gene: Stagni_62 Start: 38901, Stop: 38242, Start Num: 9

Candidate Starts for Stagni_62:

(Start: 9 @38901 has 590 MA's), (Start: 23 @38808 has 19 MA's), (33, 38754), (36, 38742), (39, 38715), (58, 38595), (74, 38487), (77, 38469), (78, 38463), (93, 38352), (100, 38316), (105, 38298), (107, 38286),

Gene: StarStuff_61 Start: 38903, Stop: 38271, Start Num: 9

Candidate Starts for StarStuff_61:

(Start: 9 @38903 has 590 MA's), (Start: 23 @38810 has 19 MA's), (36, 38756), (39, 38729), (44, 38699), (58, 38621), (59, 38615), (67, 38555), (80, 38474), (85, 38429), (89, 38396), (93, 38378), (100, 38342),

Gene: Stasia_54 Start: 38017, Stop: 37358, Start Num: 9

Candidate Starts for Stasia_54:

(Start: 9 @38017 has 590 MA's), (Start: 23 @37924 has 19 MA's), (33, 37870), (36, 37858), (39, 37831), (42, 37816), (58, 37711), (67, 37645), (78, 37579), (80, 37564), (81, 37549), (85, 37519), (93, 37468), (100, 37432), (114, 37366),

Gene: SteMason_54 Start: 38136, Stop: 37477, Start Num: 9

Candidate Starts for SteMason_54:

(Start: 9 @38136 has 590 MA's), (Start: 23 @38043 has 19 MA's), (27, 38025), (33, 37989), (36, 37977), (39, 37950), (42, 37935), (58, 37830), (77, 37704), (78, 37698), (80, 37683), (81, 37668), (93, 37587), (98, 37560), (100, 37551), (114, 37485),

Gene: Steamy_55 Start: 38632, Stop: 38003, Start Num: 9

Candidate Starts for Steamy_55:

(Start: 9 @38632 has 590 MA's), (Start: 23 @38539 has 19 MA's), (36, 38488), (39, 38461), (58, 38353), (59, 38347), (67, 38287), (74, 38245), (77, 38227), (80, 38206), (85, 38161), (89, 38128), (93, 38110), (100, 38074), (107, 38044), (108, 38041),

Gene: Stella_61 Start: 31604, Stop: 30972, Start Num: 9

Candidate Starts for Stella_61:

(Start: 9 @31604 has 590 MA's), (Start: 15 @31586 has 1 MA's), (17, 31574), (44, 31406), (47, 31382), (57, 31343), (65, 31280), (77, 31199), (78, 31193), (85, 31133), (96, 31070),

Gene: StepMih_62 Start: 38892, Stop: 38233, Start Num: 9

Candidate Starts for StepMih_62:

(Start: 9 @38892 has 590 MA's), (Start: 23 @38799 has 19 MA's), (33, 38745), (36, 38733), (39, 38706), (58, 38586), (74, 38478), (77, 38460), (78, 38454), (93, 38343), (100, 38307), (105, 38289), (107, 38277),

Gene: Stephig9_59 Start: 38168, Stop: 37515, Start Num: 9

Candidate Starts for Stephig9_59:

(Start: 9 @38168 has 590 MA's), (Start: 23 @38075 has 19 MA's), (33, 38015), (36, 38003), (39, 37976), (48, 37919), (58, 37868), (59, 37862), (80, 37721), (81, 37706), (85, 37676), (89, 37643), (105, 37571), (106, 37562), (108, 37556), (112, 37532),

Gene: Stink_53 Start: 37833, Stop: 37174, Start Num: 9

Candidate Starts for Stink_53:

(Start: 9 @37833 has 590 MA's), (Start: 23 @37740 has 19 MA's), (27, 37722), (33, 37686), (36, 37674), (39, 37647), (42, 37632), (58, 37527), (77, 37401), (80, 37380), (81, 37365), (93, 37284), (98, 37257), (100, 37248), (114, 37182),

Gene: Stormborn_30 Start: 20951, Stop: 20280, Start Num: 12

Candidate Starts for Stormborn_30:

(Start: 4 @21005 has 1 MA's), (Start: 12 @20951 has 44 MA's), (44, 20738), (50, 20699), (62, 20606), (65, 20597), (67, 20576), (71, 20546), (91, 20411), (110, 20312), (113, 20291),

Gene: Strosahl_66 Start: 38284, Stop: 37652, Start Num: 9

Candidate Starts for Strosahl_66:

(Start: 9 @38284 has 590 MA's), (Start: 15 @38266 has 1 MA's), (Start: 23 @38191 has 19 MA's), (39, 38113), (42, 38098), (44, 38083), (64, 37963), (65, 37960), (76, 37888), (80, 37858), (89, 37780), (100, 37726),

Gene: Success_29 Start: 18965, Stop: 18267, Start Num: 8

Candidate Starts for Success_29:

(Start: 8 @18965 has 2 MA's), (Start: 19 @18923 has 1 MA's), (46, 18692), (77, 18494), (83, 18446), (89, 18398), (92, 18389), (100, 18344), (106, 18317), (115, 18272),

Gene: Sujidade_40 Start: 28920, Stop: 29585, Start Num: 7

Candidate Starts for Sujidade_40:

(Start: 7 @28920 has 37 MA's), (Start: 9 @28935 has 590 MA's), (11, 28938), (50, 29163), (58, 29220), (59, 29226), (61, 29247), (62, 29256), (69, 29292), (71, 29316), (74, 29328), (76, 29337), (77, 29346),

(82, 29391), (85, 29412), (99, 29493), (104, 29514), (112, 29562),

Gene: Sultana_55 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for Sultana_55:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: SunkenRoot_41 Start: 30422, Stop: 30979, Start Num: 24

Candidate Starts for SunkenRoot_41:

(Start: 7 @30314 has 37 MA's), (Start: 9 @30329 has 590 MA's), (24, 30422), (50, 30557), (58, 30614), (59, 30620), (61, 30641), (62, 30650), (71, 30710), (72, 30713), (74, 30722), (82, 30785), (99, 30887), (104, 30908),

Gene: Sunshine924_56 Start: 38541, Stop: 37960, Start Num: 22

Candidate Starts for Sunshine924_56:

(Start: 22 @38541 has 37 MA's), (30, 38484), (36, 38460), (39, 38433), (41, 38421), (49, 38373), (71, 38223), (85, 38127), (89, 38094), (93, 38076), (100, 38040), (107, 38007), (108, 38004),

Gene: SuperAwesome_60 Start: 37723, Stop: 37091, Start Num: 9

Candidate Starts for SuperAwesome_60:

(Start: 9 @37723 has 590 MA's), (Start: 23 @37630 has 19 MA's), (36, 37576), (44, 37519), (58, 37441), (67, 37375), (80, 37294), (85, 37249), (89, 37216), (93, 37198), (100, 37162), (107, 37132), (108, 37129),

Gene: SuperCallie99_58 Start: 37605, Stop: 36973, Start Num: 9

Candidate Starts for SuperCallie99_58:

(Start: 9 @37605 has 590 MA's), (Start: 23 @37512 has 19 MA's), (36, 37458), (44, 37401), (58, 37323), (67, 37257), (80, 37176), (85, 37131), (89, 37098), (93, 37080), (100, 37044), (107, 37014), (108, 37011),

Gene: Superchunk_57 Start: 37576, Stop: 36944, Start Num: 9

Candidate Starts for Superchunk_57:

(Start: 9 @37576 has 590 MA's), (Start: 23 @37483 has 19 MA's), (36, 37429), (39, 37402), (44, 37372), (58, 37294), (74, 37186), (79, 37153), (80, 37147), (81, 37132), (85, 37102), (88, 37093), (89, 37069), (93, 37051), (100, 37015),

Gene: Supernova_30 Start: 21115, Stop: 20444, Start Num: 12

Candidate Starts for Supernova_30:

(Start: 12 @21115 has 44 MA's), (44, 20902), (50, 20863), (62, 20770), (65, 20761), (67, 20740), (71, 20710), (91, 20575), (98, 20533), (110, 20476), (113, 20455),

Gene: Superstar_43 Start: 30182, Stop: 30844, Start Num: 6

Candidate Starts for Superstar_43:

(Start: 6 @30182 has 33 MA's), (17, 30230), (24, 30293), (41, 30383), (61, 30512), (62, 30521), (80, 30632), (82, 30656), (85, 30677), (104, 30776), (106, 30791), (111, 30812), (112, 30824),

Gene: Swann_48 Start: 35278, Stop: 34619, Start Num: 9

Candidate Starts for Swann_48:

(Start: 9 @35278 has 590 MA's), (28, 35155), (36, 35119), (39, 35092), (44, 35062), (49, 35032), (50, 35029), (51, 35023), (58, 34972), (65, 34927), (67, 34906), (77, 34846), (78, 34840), (105, 34675), (108, 34660),

Gene: SweetiePie_59 Start: 39267, Stop: 38635, Start Num: 9

Candidate Starts for SweetiePie_59:

(Start: 9 @39267 has 590 MA's), (Start: 23 @39174 has 19 MA's), (36, 39120), (44, 39063), (67, 38919), (77, 38859), (85, 38793), (89, 38760), (93, 38742), (100, 38706),

Gene: SwirlSquare_62 Start: 38498, Stop: 37866, Start Num: 9

Candidate Starts for SwirlSquare_62:

(Start: 9 @38498 has 590 MA's), (Start: 23 @38405 has 19 MA's), (36, 38351), (39, 38324), (44, 38294), (59, 38210), (67, 38150), (77, 38090), (85, 38024), (93, 37973), (100, 37937),

Gene: Swirley_55 Start: 38646, Stop: 37987, Start Num: 9

Candidate Starts for Swirley_55:

(Start: 9 @38646 has 590 MA's), (Start: 23 @38553 has 19 MA's), (27, 38535), (33, 38493), (36, 38481), (39, 38454), (41, 38442), (78, 38214), (79, 38205), (81, 38184), (84, 38169), (85, 38154), (87, 38148), (89, 38121), (93, 38103), (98, 38076), (100, 38067), (105, 38049), (107, 38037), (108, 38034),

Gene: Switzerland_65 Start: 38511, Stop: 37972, Start Num: 23

Candidate Starts for Switzerland_65:

(Start: 9 @38604 has 590 MA's), (Start: 15 @38586 has 1 MA's), (Start: 23 @38511 has 19 MA's), (39, 38433), (42, 38418), (44, 38403), (64, 38283), (65, 38280), (76, 38208), (80, 38178), (89, 38100), (93, 38082), (100, 38046),

Gene: Swole_56 Start: 38530, Stop: 37883, Start Num: 13

Candidate Starts for Swole_56:

(Start: 13 @38530 has 28 MA's), (30, 38407), (39, 38356), (41, 38344), (61, 38215), (66, 38194), (67, 38176), (85, 38050), (89, 38017), (93, 37999), (100, 37963), (107, 37930), (108, 37927),

Gene: SydNat_56 Start: 39285, Stop: 38623, Start Num: 9

Candidate Starts for SydNat_56:

(Start: 9 @39285 has 590 MA's), (Start: 23 @39192 has 19 MA's), (27, 39174), (33, 39132), (36, 39120), (39, 39093), (41, 39081), (67, 38916), (78, 38850), (79, 38841), (81, 38820), (85, 38790), (87, 38784), (89, 38757), (98, 38712), (100, 38703), (105, 38685), (107, 38673), (108, 38670),

Gene: TNguyen7_59 Start: 38515, Stop: 37856, Start Num: 9

Candidate Starts for TNguyen7_59:

(Start: 9 @38515 has 590 MA's), (Start: 23 @38422 has 19 MA's), (33, 38368), (36, 38356), (39, 38329), (42, 38314), (50, 38266), (58, 38209), (66, 38161), (77, 38083), (80, 38062), (81, 38047), (93, 37966), (100, 37930), (105, 37912), (114, 37864),

Gene: TWAMP_48 Start: 35280, Stop: 34621, Start Num: 9

Candidate Starts for TWAMP_48:

(Start: 9 @35280 has 590 MA's), (28, 35157), (36, 35121), (39, 35094), (44, 35064), (49, 35034), (50, 35031), (51, 35025), (58, 34974), (65, 34929), (67, 34908), (77, 34848), (78, 34842), (105, 34677), (108, 34662),

Gene: TagePighther_41 Start: 28207, Stop: 28857, Start Num: 9

Candidate Starts for TagePighther_41:

(Start: 7 @28192 has 37 MA's), (Start: 9 @28207 has 590 MA's), (11, 28210), (36, 28351), (50, 28435), (58, 28492), (59, 28498), (61, 28519), (69, 28564), (71, 28588), (74, 28600), (76, 28609), (77, 28618), (82, 28663), (85, 28684), (99, 28765), (104, 28786), (112, 28834),

Gene: Takoda_48 Start: 35463, Stop: 34804, Start Num: 9

Candidate Starts for Takoda_48:

(Start: 9 @35463 has 590 MA's), (28, 35340), (36, 35304), (39, 35277), (44, 35247), (49, 35217), (50, 35214), (51, 35208), (58, 35157), (65, 35112), (78, 35025), (105, 34860), (108, 34845),

Gene: Taquarus_55 Start: 38142, Stop: 37483, Start Num: 9

Candidate Starts for Taquarus_55:

(Start: 9 @38142 has 590 MA's), (Start: 23 @38049 has 19 MA's), (27, 38031), (33, 37995), (36, 37983), (39, 37956), (42, 37941), (58, 37836), (77, 37710), (78, 37704), (80, 37689), (81, 37674), (93, 37593), (98, 37566), (100, 37557), (114, 37491),

Gene: Tarynearal_51 Start: 38091, Stop: 37432, Start Num: 9

Candidate Starts for Tarynearal_51:

(Start: 9 @38091 has 590 MA's), (Start: 23 @37998 has 19 MA's), (27, 37980), (33, 37938), (36, 37926), (39, 37899), (41, 37887), (67, 37725), (78, 37659), (79, 37650), (81, 37629), (84, 37614), (85, 37599), (87, 37593), (89, 37566), (93, 37548), (98, 37521), (100, 37512), (105, 37494), (107, 37482), (108, 37479),

Gene: Taurus_63 Start: 38898, Stop: 38239, Start Num: 9

Candidate Starts for Taurus_63:

(Start: 9 @38898 has 590 MA's), (Start: 23 @38805 has 19 MA's), (33, 38751), (36, 38739), (39, 38712), (58, 38592), (74, 38484), (77, 38466), (78, 38460), (93, 38349), (100, 38313), (105, 38295), (107, 38283),

Gene: Tefunt_41 Start: 29076, Stop: 29738, Start Num: 6

Candidate Starts for Tefunt_41:

(3, 28809), (Start: 6 @29076 has 33 MA's), (17, 29124), (24, 29187), (41, 29277), (50, 29322), (61, 29406), (80, 29526), (82, 29550), (85, 29571), (99, 29652), (104, 29670), (106, 29685), (112, 29718),

Gene: Temprado_62 Start: 38202, Stop: 37570, Start Num: 9

Candidate Starts for Temprado_62:

(Start: 9 @38202 has 590 MA's), (Start: 23 @38109 has 19 MA's), (36, 38055), (44, 37998), (59, 37914), (67, 37854), (85, 37728), (89, 37695), (93, 37677), (100, 37641), (105, 37623), (107, 37611), (108, 37608),

Gene: Terrific_61 Start: 39108, Stop: 38476, Start Num: 9

Candidate Starts for Terrific_61:

(Start: 9 @39108 has 590 MA's), (Start: 23 @39015 has 19 MA's), (36, 38961), (44, 38904), (54, 38850), (58, 38826), (59, 38820), (67, 38760), (77, 38700), (80, 38679), (85, 38634), (89, 38601), (100, 38547),

Gene: Texage_56 Start: 38515, Stop: 37853, Start Num: 9

Candidate Starts for Texage_56:

(Start: 9 @38515 has 590 MA's), (Start: 23 @38422 has 19 MA's), (26, 38407), (33, 38368), (36, 38356), (39, 38329), (58, 38209), (66, 38161), (74, 38101), (77, 38083), (78, 38077), (80, 38062), (81, 38047), (100, 37930), (105, 37912),

Gene: Thanksgivukkah_54 Start: 38137, Stop: 37478, Start Num: 9

Candidate Starts for Thanksgivukkah_54:

(Start: 9 @38137 has 590 MA's), (Start: 23 @38044 has 19 MA's), (27, 38026), (33, 37990), (36, 37978), (39, 37951), (42, 37936), (58, 37831), (77, 37705), (78, 37699), (80, 37684), (81, 37669), (93, 37588), (98, 37561), (100, 37552), (114, 37486),

Gene: Theia_52 Start: 38765, Stop: 38103, Start Num: 9

Candidate Starts for Theia_52:

(Start: 9 @38765 has 590 MA's), (Start: 23 @38672 has 19 MA's), (27, 38654), (33, 38612), (36, 38600), (39, 38573), (41, 38561), (67, 38396), (78, 38330), (79, 38321), (81, 38300), (85, 38270), (87, 38264), (89, 38237), (93, 38219), (98, 38192), (100, 38183), (105, 38165), (107, 38153), (108, 38150),

Gene: TheloniousMonk_55 Start: 41116, Stop: 40535, Start Num: 22

Candidate Starts for TheloniousMonk_55:

(Start: 22 @41116 has 37 MA's), (30, 41059), (36, 41035), (39, 41008), (41, 40996), (49, 40948), (71, 40798), (85, 40702), (86, 40699), (89, 40669), (93, 40651), (100, 40615), (107, 40582), (108, 40579),

Gene: Thestral_41 Start: 29271, Stop: 29933, Start Num: 6

Candidate Starts for Thestral_41:

(Start: 6 @29271 has 33 MA's), (17, 29319), (20, 29334), (24, 29382), (41, 29472), (50, 29517), (61, 29601), (80, 29721), (82, 29745), (85, 29766), (106, 29880), (111, 29901), (112, 29913),

Gene: Tiffany_61 Start: 38784, Stop: 38125, Start Num: 9

Candidate Starts for Tiffany_61:

(Start: 9 @38784 has 590 MA's), (Start: 23 @38691 has 19 MA's), (33, 38637), (36, 38625), (39, 38598), (58, 38478), (74, 38370), (77, 38352), (78, 38346), (93, 38235), (100, 38199), (105, 38181), (107, 38169),

Gene: Tiger_52 Start: 37951, Stop: 37292, Start Num: 9

Candidate Starts for Tiger_52:

(Start: 9 @37951 has 590 MA's), (Start: 23 @37858 has 19 MA's), (27, 37840), (33, 37798), (36, 37786), (39, 37759), (41, 37747), (67, 37585), (78, 37519), (81, 37489), (85, 37459), (87, 37453), (89, 37426), (93, 37408), (98, 37381), (100, 37372), (105, 37354), (107, 37342), (108, 37339),

Gene: Timothy_59 Start: 38176, Stop: 37529, Start Num: 9

Candidate Starts for Timothy_59:

(Start: 9 @38176 has 590 MA's), (Start: 23 @38083 has 19 MA's), (36, 38029), (39, 38002), (44, 37972), (59, 37876), (67, 37816), (78, 37750), (80, 37735), (85, 37690), (88, 37681), (89, 37657), (100, 37603), (108, 37570),

Gene: TinaBelcher_40 Start: 29218, Stop: 29880, Start Num: 6

Candidate Starts for TinaBelcher_40:

(Start: 6 @29218 has 33 MA's), (17, 29266), (20, 29281), (24, 29329), (41, 29419), (50, 29464), (61, 29548), (80, 29668), (82, 29692), (106, 29827), (111, 29848), (112, 29860),

Gene: TinaFeyge_54 Start: 38134, Stop: 37475, Start Num: 9

Candidate Starts for TinaFeyge_54:

(Start: 9 @38134 has 590 MA's), (Start: 23 @38041 has 19 MA's), (27, 38023), (33, 37987), (36, 37975), (39, 37948), (42, 37933), (58, 37828), (77, 37702), (78, 37696), (80, 37681), (81, 37666), (93, 37585), (98, 37558), (100, 37549), (114, 37483),

Gene: TinyPebbles_61 Start: 38928, Stop: 38269, Start Num: 9

Candidate Starts for TinyPebbles_61:

(Start: 9 @38928 has 590 MA's), (Start: 23 @38835 has 19 MA's), (33, 38781), (36, 38769), (39, 38742), (58, 38622), (74, 38514), (77, 38496), (78, 38490), (93, 38379), (100, 38343), (105, 38325), (107, 38313),

Gene: TinyTimmy_59 Start: 38225, Stop: 37578, Start Num: 9

Candidate Starts for TinyTimmy_59:

(Start: 9 @38225 has 590 MA's), (Start: 23 @38132 has 19 MA's), (36, 38078), (39, 38051), (44, 38021), (59, 37925), (67, 37865), (78, 37799), (80, 37784), (85, 37739), (88, 37730), (89, 37706), (100,

37652), (108, 37619),

Gene: Tinybot_54 Start: 38166, Stop: 37507, Start Num: 9

Candidate Starts for Tinybot_54:

(Start: 9 @38166 has 590 MA's), (Start: 23 @38073 has 19 MA's), (27, 38055), (33, 38019), (36, 38007), (39, 37980), (42, 37965), (58, 37860), (77, 37734), (78, 37728), (80, 37713), (81, 37698), (93, 37617), (98, 37590), (100, 37581), (114, 37515),

Gene: TopsytheTRex_56 Start: 38542, Stop: 37910, Start Num: 9

Candidate Starts for TopsytheTRex_56:

(Start: 9 @38542 has 590 MA's), (Start: 23 @38449 has 19 MA's), (26, 38434), (36, 38395), (39, 38368), (44, 38338), (58, 38260), (67, 38194), (77, 38134), (80, 38113), (85, 38068), (89, 38035), (93, 38017), (100, 37981),

Gene: TiroTheta9_55 Start: 38133, Stop: 37474, Start Num: 9

Candidate Starts for TiroTheta9_55:

(Start: 9 @38133 has 590 MA's), (Start: 23 @38040 has 19 MA's), (27, 38022), (33, 37986), (36, 37974), (39, 37947), (42, 37932), (58, 37827), (77, 37701), (78, 37695), (80, 37680), (81, 37665), (93, 37584), (98, 37557), (100, 37548), (114, 37482),

Gene: Toaka_59 Start: 38829, Stop: 38206, Start Num: 9

Candidate Starts for Toaka_59:

(Start: 9 @38829 has 590 MA's), (Start: 23 @38736 has 19 MA's), (26, 38721), (39, 38664), (41, 38652), (67, 38490), (76, 38439), (85, 38364), (100, 38277),

Gene: Todacoro_57 Start: 38514, Stop: 37852, Start Num: 9

Candidate Starts for Todacoro_57:

(Start: 9 @38514 has 590 MA's), (Start: 23 @38421 has 19 MA's), (26, 38406), (33, 38367), (36, 38355), (39, 38328), (58, 38208), (66, 38160), (74, 38100), (77, 38082), (78, 38076), (80, 38061), (81, 38046), (100, 37929), (105, 37911),

Gene: Toma_39 Start: 28637, Stop: 29302, Start Num: 7

Candidate Starts for Toma_39:

(Start: 7 @28637 has 37 MA's), (Start: 9 @28652 has 590 MA's), (11, 28655), (50, 28880), (58, 28937), (59, 28943), (61, 28964), (62, 28973), (69, 29009), (71, 29033), (74, 29045), (76, 29054), (77, 29063), (82, 29108), (85, 29129), (99, 29210), (104, 29231), (112, 29279),

Gene: Tomathan_61 Start: 38950, Stop: 38318, Start Num: 9

Candidate Starts for Tomathan_61:

(Start: 9 @38950 has 590 MA's), (Start: 23 @38857 has 19 MA's), (36, 38803), (39, 38776), (44, 38746), (58, 38668), (59, 38662), (67, 38602), (80, 38521), (85, 38476), (89, 38443), (93, 38425), (100, 38389),

Gene: ToneTone_58 Start: 37762, Stop: 37130, Start Num: 9

Candidate Starts for ToneTone_58:

(Start: 9 @37762 has 590 MA's), (Start: 23 @37669 has 19 MA's), (36, 37615), (44, 37558), (59, 37474), (67, 37414), (85, 37288), (89, 37255), (93, 37237), (100, 37201), (105, 37183), (107, 37171), (108, 37168),

Gene: Topanga_53 Start: 38064, Stop: 37405, Start Num: 9

Candidate Starts for Topanga_53:

(Start: 9 @38064 has 590 MA's), (Start: 23 @37971 has 19 MA's), (36, 37905), (39, 37878), (50, 37815), (58, 37758), (66, 37710), (74, 37650), (77, 37632), (78, 37626), (80, 37611), (81, 37596), (98,

37488), (100, 37479), (105, 37461), (107, 37449), (114, 37413),

Gene: ToriToki_58 Start: 30971, Stop: 30339, Start Num: 9

Candidate Starts for ToriToki_58:

(Start: 9 @30971 has 590 MA's), (Start: 15 @30953 has 1 MA's), (17, 30941), (24, 30881), (44, 30773), (45, 30755), (47, 30749), (62, 30656), (78, 30560), (85, 30500),

Gene: Toro_59 Start: 40954, Stop: 40307, Start Num: 9

Candidate Starts for Toro_59:

(Start: 9 @40954 has 590 MA's), (Start: 23 @40861 has 19 MA's), (26, 40846), (30, 40819), (34, 40804), (39, 40768), (41, 40756), (42, 40753), (50, 40705), (58, 40660), (67, 40594), (74, 40552), (78, 40528), (81, 40498), (90, 40432), (98, 40390), (100, 40381), (112, 40324), (114, 40315),

Gene: Tote_51 Start: 35797, Stop: 35150, Start Num: 13

Candidate Starts for Tote_51:

(Start: 13 @35797 has 28 MA's), (30, 35674), (39, 35623), (41, 35611), (61, 35482), (66, 35461), (67, 35443), (85, 35317), (89, 35284), (93, 35266), (100, 35230), (107, 35197), (108, 35194),

Gene: Traft412_57 Start: 40021, Stop: 39443, Start Num: 22

Candidate Starts for Traft412_57:

(Start: 22 @40021 has 37 MA's), (30, 39964), (36, 39940), (39, 39913), (41, 39901), (49, 39853), (65, 39754), (71, 39703), (85, 39607), (89, 39574), (93, 39556), (100, 39520), (107, 39490),

Gene: Travvers_61 Start: 38900, Stop: 38268, Start Num: 9

Candidate Starts for Travvers_61:

(Start: 9 @38900 has 590 MA's), (Start: 23 @38807 has 19 MA's), (36, 38753), (39, 38726), (44, 38696), (58, 38618), (59, 38612), (67, 38552), (80, 38471), (85, 38426), (89, 38393), (93, 38375), (100, 38339),

Gene: Treat_58 Start: 30912, Stop: 30280, Start Num: 9

Candidate Starts for Treat_58:

(Start: 9 @30912 has 590 MA's), (Start: 15 @30894 has 1 MA's), (17, 30882), (24, 30822), (44, 30714), (45, 30696), (47, 30690), (62, 30597), (78, 30501), (85, 30441),

Gene: Trike_54 Start: 37279, Stop: 36620, Start Num: 9

Candidate Starts for Trike_54:

(Start: 9 @37279 has 590 MA's), (Start: 23 @37186 has 19 MA's), (36, 37120), (39, 37093), (50, 37030), (58, 36973), (66, 36925), (80, 36826), (81, 36811), (98, 36703), (100, 36694), (107, 36664), (114, 36628),

Gene: Triste_39 Start: 28195, Stop: 28845, Start Num: 9

Candidate Starts for Triste_39:

(Start: 7 @28180 has 37 MA's), (Start: 9 @28195 has 590 MA's), (11, 28198), (36, 28339), (50, 28423), (58, 28480), (59, 28486), (61, 28507), (69, 28552), (71, 28576), (74, 28588), (76, 28597), (77, 28606), (82, 28651), (85, 28672), (99, 28753), (104, 28774), (112, 28822),

Gene: Triumph_41 Start: 28968, Stop: 29630, Start Num: 6

Candidate Starts for Triumph_41:

(1, 28524), (2, 28641), (3, 28698), (Start: 6 @28968 has 33 MA's), (17, 29016), (20, 29031), (21, 29052), (24, 29079), (41, 29169), (50, 29214), (61, 29298), (80, 29418), (82, 29442), (99, 29544), (104, 29562),

Gene: Trixie_57 Start: 38966, Stop: 38334, Start Num: 9

Candidate Starts for Trixie_57:

(Start: 9 @38966 has 590 MA's), (Start: 23 @38873 has 19 MA's), (36, 38819), (39, 38792), (42, 38777), (44, 38762), (59, 38678), (67, 38618), (85, 38492), (89, 38459), (93, 38441), (100, 38405),

Gene: Trooper_60 Start: 39363, Stop: 38824, Start Num: 23

Candidate Starts for Trooper_60:

(Start: 23 @39363 has 19 MA's), (36, 39309), (44, 39252), (58, 39174), (59, 39168), (65, 39129), (67, 39108), (70, 39087), (80, 39027), (89, 38949), (100, 38895),

Gene: Trouble_57 Start: 40284, Stop: 39706, Start Num: 22

Candidate Starts for Trouble_57:

(Start: 22 @40284 has 37 MA's), (30, 40227), (36, 40203), (39, 40176), (41, 40164), (49, 40116), (65, 40017), (71, 39966), (85, 39870), (86, 39867), (89, 39837), (93, 39819), (100, 39783), (107, 39753),

Gene: TroyPia_56 Start: 38137, Stop: 37478, Start Num: 9

Candidate Starts for TroyPia_56:

(Start: 9 @38137 has 590 MA's), (Start: 23 @38044 has 19 MA's), (27, 38026), (33, 37990), (36, 37978), (39, 37951), (42, 37936), (58, 37831), (77, 37705), (78, 37699), (80, 37684), (81, 37669), (93, 37588), (98, 37561), (100, 37552), (114, 37486),

Gene: TrvxScott_39 Start: 29264, Stop: 29926, Start Num: 6

Candidate Starts for TrvxScott_39:

(Start: 6 @29264 has 33 MA's), (17, 29312), (20, 29327), (24, 29375), (41, 29465), (50, 29510), (61, 29594), (80, 29714), (82, 29738), (106, 29873), (111, 29894), (112, 29906),

Gene: Tubs_59 Start: 38854, Stop: 38225, Start Num: 9

Candidate Starts for Tubs_59:

(Start: 9 @38854 has 590 MA's), (Start: 23 @38761 has 19 MA's), (29, 38737), (36, 38713), (39, 38686), (42, 38671), (58, 38575), (59, 38569), (65, 38530), (67, 38509), (78, 38443), (85, 38383), (89, 38350), (100, 38296),

Gene: Tucker_61 Start: 37931, Stop: 37299, Start Num: 9

Candidate Starts for Tucker_61:

(Start: 9 @37931 has 590 MA's), (Start: 23 @37838 has 19 MA's), (36, 37784), (44, 37727), (59, 37643), (67, 37583), (85, 37457), (89, 37424), (93, 37406), (100, 37370), (105, 37352), (107, 37340), (108, 37337),

Gene: Turbido_60 Start: 39351, Stop: 38719, Start Num: 9

Candidate Starts for Turbido_60:

(Start: 9 @39351 has 590 MA's), (Start: 23 @39258 has 19 MA's), (36, 39204), (44, 39147), (49, 39117), (59, 39063), (67, 39003), (77, 38943), (85, 38877), (89, 38844), (100, 38790),

Gene: Twigg_53 Start: 38294, Stop: 37635, Start Num: 9

Candidate Starts for Twigg_53:

(Start: 9 @38294 has 590 MA's), (Start: 23 @38201 has 19 MA's), (27, 38183), (33, 38141), (36, 38129), (39, 38102), (41, 38090), (42, 38087), (50, 38039), (78, 37862), (79, 37853), (81, 37832), (84, 37817), (85, 37802), (87, 37796), (89, 37769), (93, 37751), (98, 37724), (100, 37715), (105, 37697), (107, 37685), (108, 37682),

Gene: Twister_54 Start: 37981, Stop: 37322, Start Num: 9

Candidate Starts for Twister_54:

(Start: 9 @37981 has 590 MA's), (Start: 23 @37888 has 19 MA's), (36, 37822), (39, 37795), (50, 37732), (58, 37675), (66, 37627), (74, 37567), (77, 37549), (78, 37543), (80, 37528), (81, 37513), (98,

37405), (100, 37396), (105, 37378), (107, 37366), (114, 37330),

Gene: TygerBlood_55 Start: 38139, Stop: 37480, Start Num: 9

Candidate Starts for TygerBlood_55:

(Start: 9 @38139 has 590 MA's), (Start: 23 @38046 has 19 MA's), (27, 38028), (33, 37992), (36, 37980), (39, 37953), (42, 37938), (58, 37833), (77, 37707), (78, 37701), (80, 37686), (81, 37671), (93, 37590), (98, 37563), (100, 37554), (114, 37488),

Gene: Ugenie5_56 Start: 39139, Stop: 38510, Start Num: 9

Candidate Starts for Ugenie5_56:

(Start: 9 @39139 has 590 MA's), (Start: 23 @39046 has 19 MA's), (29, 39022), (36, 38998), (39, 38971), (42, 38956), (58, 38860), (59, 38854), (65, 38815), (67, 38794), (85, 38668), (89, 38635), (100, 38581), (107, 38551),

Gene: UhSalsa_48 Start: 35222, Stop: 34563, Start Num: 9

Candidate Starts for UhSalsa_48:

(Start: 9 @35222 has 590 MA's), (28, 35099), (36, 35063), (39, 35036), (44, 35006), (49, 34976), (50, 34973), (51, 34967), (58, 34916), (65, 34871), (67, 34850), (78, 34784), (105, 34619), (108, 34604),

Gene: Ulysses_54 Start: 37816, Stop: 37157, Start Num: 9

Candidate Starts for Ulysses_54:

(Start: 9 @37816 has 590 MA's), (Start: 23 @37723 has 19 MA's), (27, 37705), (33, 37669), (36, 37657), (39, 37630), (42, 37615), (58, 37510), (77, 37384), (78, 37378), (80, 37363), (81, 37348), (93, 37267), (98, 37240), (100, 37231), (114, 37165),

Gene: UnionJack_55 Start: 38095, Stop: 37433, Start Num: 9

Candidate Starts for UnionJack_55:

(Start: 9 @38095 has 590 MA's), (Start: 23 @38002 has 19 MA's), (27, 37984), (33, 37942), (36, 37930), (39, 37903), (41, 37891), (67, 37726), (78, 37660), (79, 37651), (81, 37630), (85, 37600), (87, 37594), (89, 37567), (93, 37549), (98, 37522), (100, 37513), (105, 37495), (107, 37483), (108, 37480),

Gene: Updawg_60 Start: 38998, Stop: 38366, Start Num: 9

Candidate Starts for Updawg_60:

(Start: 9 @38998 has 590 MA's), (Start: 23 @38905 has 19 MA's), (36, 38851), (44, 38794), (54, 38740), (58, 38716), (59, 38710), (67, 38650), (77, 38590), (80, 38569), (85, 38524), (89, 38491), (100, 38437),

Gene: Urza_41 Start: 28667, Stop: 29332, Start Num: 7

Candidate Starts for Urza_41:

(Start: 7 @28667 has 37 MA's), (Start: 9 @28682 has 590 MA's), (35, 28823), (58, 28967), (71, 29063), (82, 29138), (99, 29240), (104, 29261), (106, 29276),

Gene: VC3_62 Start: 39337, Stop: 38705, Start Num: 9

Candidate Starts for VC3_62:

(Start: 9 @39337 has 590 MA's), (Start: 23 @39244 has 19 MA's), (36, 39190), (39, 39163), (44, 39133), (58, 39055), (59, 39049), (67, 38989), (80, 38908), (85, 38863), (89, 38830), (93, 38812), (100, 38776),

Gene: Vanisoa_59 Start: 39952, Stop: 39326, Start Num: 9

Candidate Starts for Vanisoa_59:

(Start: 9 @39952 has 590 MA's), (Start: 19 @39916 has 1 MA's), (Start: 23 @39859 has 19 MA's), (36, 39811), (39, 39784), (41, 39772), (44, 39754), (58, 39676), (59, 39670), (67, 39610), (74, 39568), (77, 39550), (78, 39544), (85, 39484), (89, 39451), (100, 39397),

Gene: Veracruz_56 Start: 38514, Stop: 37852, Start Num: 9

Candidate Starts for Veracruz_56:

(Start: 9 @38514 has 590 MA's), (Start: 23 @38421 has 19 MA's), (26, 38406), (33, 38367), (36, 38355), (39, 38328), (58, 38208), (66, 38160), (74, 38100), (77, 38082), (78, 38076), (80, 38061), (81, 38046), (100, 37929), (105, 37911),

Gene: Verse_40 Start: 30508, Stop: 31173, Start Num: 7

Candidate Starts for Verse_40:

(Start: 7 @30508 has 37 MA's), (Start: 9 @30523 has 590 MA's), (24, 30616), (50, 30751), (58, 30808), (59, 30814), (61, 30835), (62, 30844), (71, 30904), (72, 30907), (74, 30916), (82, 30979), (99, 31081), (104, 31102),

Gene: Violet_53 Start: 39887, Stop: 39309, Start Num: 22

Candidate Starts for Violet_53:

(Start: 22 @39887 has 37 MA's), (30, 39830), (36, 39806), (39, 39779), (41, 39767), (49, 39719), (71, 39569), (85, 39473), (86, 39470), (89, 39440), (93, 39422), (100, 39386), (107, 39356),

Gene: Vix_61 Start: 38981, Stop: 38322, Start Num: 9

Candidate Starts for Vix_61:

(Start: 9 @38981 has 590 MA's), (Start: 23 @38888 has 19 MA's), (33, 38834), (36, 38822), (39, 38795), (58, 38675), (74, 38567), (77, 38549), (78, 38543), (93, 38432), (100, 38396), (105, 38378), (107, 38366),

Gene: VohminGhazi_60 Start: 37719, Stop: 37087, Start Num: 9

Candidate Starts for VohminGhazi_60:

(Start: 9 @37719 has 590 MA's), (Start: 23 @37626 has 19 MA's), (36, 37572), (44, 37515), (58, 37437), (67, 37371), (80, 37290), (85, 37245), (89, 37212), (93, 37194), (100, 37158), (107, 37128), (108, 37125),

Gene: Vorvolakos_58 Start: 30568, Stop: 29936, Start Num: 9

Candidate Starts for Vorvolakos_58:

(Start: 9 @30568 has 590 MA's), (Start: 15 @30550 has 1 MA's), (17, 30538), (44, 30370), (47, 30346), (65, 30244), (77, 30163), (85, 30097), (94, 30043), (95, 30040),

Gene: WRightOn_61 Start: 30707, Stop: 30075, Start Num: 9

Candidate Starts for WRightOn_61:

(Start: 9 @30707 has 590 MA's), (Start: 15 @30689 has 1 MA's), (17, 30677), (44, 30509), (47, 30485), (57, 30446), (65, 30383), (77, 30302), (85, 30236), (96, 30173),

Gene: Waits_66 Start: 38501, Stop: 37869, Start Num: 9

Candidate Starts for Waits_66:

(Start: 9 @38501 has 590 MA's), (Start: 15 @38483 has 1 MA's), (Start: 23 @38408 has 19 MA's), (39, 38330), (42, 38315), (44, 38300), (64, 38180), (65, 38177), (76, 38105), (80, 38075), (89, 37997), (100, 37943),

Gene: WalterMcMickey_54 Start: 37981, Stop: 37322, Start Num: 9

Candidate Starts for WalterMcMickey_54:

(Start: 9 @37981 has 590 MA's), (Start: 23 @37888 has 19 MA's), (36, 37822), (39, 37795), (50, 37732), (58, 37675), (66, 37627), (74, 37567), (77, 37549), (78, 37543), (80, 37528), (81, 37513), (98, 37405), (100, 37396), (105, 37378), (107, 37366), (114, 37330),

Gene: Wander_55 Start: 38136, Stop: 37477, Start Num: 9

Candidate Starts for Wander_55:

(Start: 9 @38136 has 590 MA's), (Start: 23 @38043 has 19 MA's), (27, 38025), (33, 37989), (36, 37977), (39, 37950), (42, 37935), (58, 37830), (77, 37704), (78, 37698), (80, 37683), (81, 37668), (93, 37587), (98, 37560), (100, 37551), (114, 37485),

Gene: Warrior24_68 Start: 38935, Stop: 38303, Start Num: 9

Candidate Starts for Warrior24_68:

(Start: 9 @38935 has 590 MA's), (Start: 15 @38917 has 1 MA's), (Start: 23 @38842 has 19 MA's), (39, 38764), (42, 38749), (44, 38734), (64, 38614), (65, 38611), (76, 38539), (78, 38524), (80, 38509), (89, 38431), (100, 38377),

Gene: Watermelon_55 Start: 39236, Stop: 38592, Start Num: 13

Candidate Starts for Watermelon_55:

(Start: 13 @39236 has 28 MA's), (30, 39113), (39, 39062), (41, 39050), (61, 38921), (66, 38900), (67, 38882), (85, 38756), (89, 38723), (93, 38705), (100, 38669), (107, 38639),

Gene: Watson_62 Start: 38890, Stop: 38231, Start Num: 9

Candidate Starts for Watson_62:

(Start: 9 @38890 has 590 MA's), (Start: 23 @38797 has 19 MA's), (33, 38743), (36, 38731), (39, 38704), (58, 38584), (74, 38476), (77, 38458), (78, 38452), (93, 38341), (100, 38305), (105, 38287), (107, 38275),

Gene: WeiHuaDA_60 Start: 39771, Stop: 39139, Start Num: 9

Candidate Starts for WeiHuaDA_60:

(Start: 9 @39771 has 590 MA's), (Start: 23 @39678 has 19 MA's), (36, 39624), (39, 39597), (42, 39582), (44, 39567), (59, 39483), (65, 39444), (67, 39423), (78, 39357), (85, 39297), (89, 39264), (100, 39210),

Gene: Werner_39 Start: 28205, Stop: 28855, Start Num: 9

Candidate Starts for Werner_39:

(Start: 7 @28190 has 37 MA's), (Start: 9 @28205 has 590 MA's), (11, 28208), (36, 28349), (50, 28433), (58, 28490), (59, 28496), (61, 28517), (69, 28562), (71, 28586), (74, 28598), (76, 28607), (77, 28616), (82, 28661), (85, 28682), (99, 28763), (104, 28784), (112, 28832),

Gene: Whabigail7_60 Start: 39336, Stop: 38704, Start Num: 9

Candidate Starts for Whabigail7_60:

(Start: 9 @39336 has 590 MA's), (Start: 23 @39243 has 19 MA's), (36, 39189), (44, 39132), (59, 39048), (67, 38988), (77, 38928), (85, 38862), (89, 38829), (100, 38775),

Gene: Whatever_39 Start: 28190, Stop: 28855, Start Num: 7

Candidate Starts for Whatever_39:

(Start: 7 @28190 has 37 MA's), (Start: 9 @28205 has 590 MA's), (11, 28208), (36, 28349), (50, 28433), (58, 28490), (59, 28496), (61, 28517), (69, 28562), (71, 28586), (74, 28598), (76, 28607), (77, 28616), (82, 28661), (85, 28682), (99, 28763), (104, 28784), (112, 28832),

Gene: WideWale_60 Start: 38998, Stop: 38366, Start Num: 9

Candidate Starts for WideWale_60:

(Start: 9 @38998 has 590 MA's), (Start: 23 @38905 has 19 MA's), (36, 38851), (44, 38794), (54, 38740), (58, 38716), (59, 38710), (67, 38650), (77, 38590), (80, 38569), (85, 38524), (89, 38491), (100, 38437),

Gene: Wiks_60 Start: 37833, Stop: 37201, Start Num: 9

Candidate Starts for Wiks_60:

(Start: 9 @37833 has 590 MA's), (Start: 23 @37740 has 19 MA's), (36, 37686), (44, 37629), (59, 37545), (67, 37485), (85, 37359), (89, 37326), (93, 37308), (100, 37272), (105, 37254), (107, 37242), (108, 37239),

Gene: Wilbur_55 Start: 38136, Stop: 37477, Start Num: 9

Candidate Starts for Wilbur_55:

(Start: 9 @38136 has 590 MA's), (Start: 23 @38043 has 19 MA's), (27, 38025), (33, 37989), (36, 37977), (39, 37950), (42, 37935), (58, 37830), (77, 37704), (78, 37698), (80, 37683), (81, 37668), (93, 37587), (98, 37560), (100, 37551), (114, 37485),

Gene: Wile_54 Start: 38123, Stop: 37464, Start Num: 9

Candidate Starts for Wile_54:

(Start: 9 @38123 has 590 MA's), (Start: 23 @38030 has 19 MA's), (27, 38012), (33, 37976), (36, 37964), (39, 37937), (42, 37922), (58, 37817), (77, 37691), (80, 37670), (81, 37655), (93, 37574), (100, 37538), (114, 37472),

Gene: Wizard007_55 Start: 38144, Stop: 37485, Start Num: 9

Candidate Starts for Wizard007_55:

(Start: 9 @38144 has 590 MA's), (Start: 23 @38051 has 19 MA's), (27, 38033), (33, 37997), (36, 37985), (39, 37958), (42, 37943), (58, 37838), (77, 37712), (78, 37706), (80, 37691), (81, 37676), (93, 37595), (98, 37568), (100, 37559), (114, 37493),

Gene: Wizzo_30 Start: 20840, Stop: 20169, Start Num: 12

Candidate Starts for Wizzo_30:

(Start: 12 @20840 has 44 MA's), (44, 20627), (50, 20588), (58, 20531), (62, 20495), (65, 20486), (67, 20465), (71, 20435), (91, 20300), (98, 20258), (110, 20201), (113, 20180),

Gene: Wolpertinger_58 Start: 38115, Stop: 37561, Start Num: 23

Candidate Starts for Wolpertinger_58:

(Start: 9 @38208 has 590 MA's), (Start: 23 @38115 has 19 MA's), (36, 38061), (39, 38034), (44, 38004), (59, 37908), (67, 37848), (78, 37782), (80, 37767), (85, 37722), (88, 37713), (89, 37689), (100, 37635), (108, 37602),

Gene: Wooldri_64 Start: 38810, Stop: 38151, Start Num: 9

Candidate Starts for Wooldri_64:

(Start: 9 @38810 has 590 MA's), (Start: 23 @38717 has 19 MA's), (33, 38663), (36, 38651), (39, 38624), (58, 38504), (74, 38396), (77, 38378), (78, 38372), (93, 38261), (100, 38225), (105, 38207), (107, 38195),

Gene: WorldCup_58 Start: 38618, Stop: 37992, Start Num: 9

Candidate Starts for WorldCup_58:

(Start: 9 @38618 has 590 MA's), (Start: 19 @38582 has 1 MA's), (Start: 23 @38525 has 19 MA's), (36, 38477), (39, 38450), (41, 38438), (44, 38420), (58, 38342), (67, 38276), (74, 38234), (77, 38216), (80, 38195), (85, 38150), (89, 38117), (100, 38063),

Gene: WunderPhul_61 Start: 37831, Stop: 37199, Start Num: 9

Candidate Starts for WunderPhul_61:

(Start: 9 @37831 has 590 MA's), (Start: 23 @37738 has 19 MA's), (36, 37684), (44, 37627), (59, 37543), (67, 37483), (85, 37357), (89, 37324), (93, 37306), (100, 37270), (105, 37252), (107, 37240), (108, 37237),

Gene: Xena_53 Start: 38089, Stop: 37430, Start Num: 9

Candidate Starts for Xena_53:

(Start: 9 @38089 has 590 MA's), (Start: 23 @37996 has 19 MA's), (27, 37978), (33, 37942), (36, 37930), (39, 37903), (42, 37888), (58, 37783), (77, 37657), (80, 37636), (81, 37621), (93, 37540), (100, 37504), (114, 37438),

Gene: XianYue_57 Start: 38494, Stop: 37862, Start Num: 9

Candidate Starts for XianYue_57:

(Start: 9 @38494 has 590 MA's), (Start: 23 @38401 has 19 MA's), (36, 38347), (39, 38320), (42, 38305), (59, 38206), (67, 38146), (85, 38020), (89, 37987), (100, 37933),

Gene: Yasdnil_39 Start: 28242, Stop: 28907, Start Num: 7

Candidate Starts for Yasdnil_39:

(Start: 7 @28242 has 37 MA's), (Start: 9 @28257 has 590 MA's), (11, 28260), (50, 28485), (58, 28542), (59, 28548), (61, 28569), (69, 28614), (71, 28638), (74, 28650), (76, 28659), (77, 28668), (82, 28713), (85, 28734), (99, 28815), (104, 28836), (112, 28884),

Gene: Yecey3_60 Start: 38719, Stop: 38093, Start Num: 9

Candidate Starts for Yecey3_60:

(Start: 9 @38719 has 590 MA's), (20, 38674), (Start: 23 @38626 has 19 MA's), (26, 38611), (36, 38578), (44, 38521), (58, 38443), (59, 38437), (67, 38377), (77, 38317), (78, 38311), (85, 38251), (100, 38164),

Gene: YoSam321_55 Start: 38133, Stop: 37474, Start Num: 9

Candidate Starts for YoSam321_55:

(Start: 9 @38133 has 590 MA's), (Start: 23 @38040 has 19 MA's), (27, 38022), (33, 37986), (36, 37974), (39, 37947), (42, 37932), (58, 37827), (77, 37701), (78, 37695), (80, 37680), (81, 37665), (93, 37584), (98, 37557), (100, 37548), (114, 37482),

Gene: Yogi_47 Start: 35251, Stop: 34592, Start Num: 9

Candidate Starts for Yogi_47:

(Start: 9 @35251 has 590 MA's), (28, 35128), (36, 35092), (39, 35065), (44, 35035), (49, 35005), (50, 35002), (51, 34996), (58, 34945), (65, 34900), (67, 34879), (78, 34813), (105, 34648), (108, 34633),

Gene: Yokurt_61 Start: 37833, Stop: 37201, Start Num: 9

Candidate Starts for Yokurt_61:

(Start: 9 @37833 has 590 MA's), (Start: 23 @37740 has 19 MA's), (36, 37686), (44, 37629), (59, 37545), (67, 37485), (85, 37359), (89, 37326), (93, 37308), (100, 37272), (105, 37254), (107, 37242), (108, 37239),

Gene: Yoncess_47 Start: 35034, Stop: 34375, Start Num: 9

Candidate Starts for Yoncess_47:

(Start: 9 @35034 has 590 MA's), (28, 34911), (36, 34875), (39, 34848), (44, 34818), (49, 34788), (50, 34785), (51, 34779), (58, 34728), (65, 34683), (67, 34662), (78, 34596), (105, 34431), (108, 34416),

Gene: Yosif_42 Start: 30304, Stop: 30969, Start Num: 7

Candidate Starts for Yosif_42:

(Start: 7 @30304 has 37 MA's), (Start: 9 @30319 has 590 MA's), (20, 30364), (58, 30604), (65, 30649), (71, 30700), (82, 30775), (99, 30877), (104, 30898),

Gene: Zainub_42 Start: 29607, Stop: 30269, Start Num: 6

Candidate Starts for Zainub_42:

(Start: 6 @29607 has 33 MA's), (17, 29655), (20, 29670), (21, 29691), (31, 29748), (41, 29808), (61, 29937), (80, 30057), (82, 30081), (111, 30237), (112, 30249),

Gene: Zaka_61 Start: 37833, Stop: 37201, Start Num: 9

Candidate Starts for Zaka_61:

(Start: 9 @37833 has 590 MA's), (Start: 23 @37740 has 19 MA's), (36, 37686), (44, 37629), (59, 37545), (67, 37485), (85, 37359), (89, 37326), (93, 37308), (100, 37272), (105, 37254), (107, 37242), (108, 37239),

Gene: ZamZam_42 Start: 29801, Stop: 30466, Start Num: 7

Candidate Starts for ZamZam_42:

(Start: 7 @29801 has 37 MA's), (Start: 9 @29816 has 590 MA's), (24, 29909), (50, 30044), (58, 30101), (59, 30107), (61, 30128), (62, 30137), (71, 30197), (72, 30200), (74, 30209), (82, 30272), (104, 30395), (112, 30443),

Gene: Zarafa_58 Start: 38465, Stop: 37803, Start Num: 9

Candidate Starts for Zarafa_58:

(Start: 9 @38465 has 590 MA's), (Start: 23 @38372 has 19 MA's), (33, 38318), (36, 38306), (39, 38279), (42, 38264), (50, 38216), (58, 38159), (66, 38111), (74, 38051), (78, 38027), (80, 38012), (81, 37997), (85, 37967), (93, 37916), (100, 37880), (105, 37862), (114, 37814),

Gene: Zeigle_57 Start: 30551, Stop: 29919, Start Num: 9

Candidate Starts for Zeigle_57:

(Start: 9 @30551 has 590 MA's), (Start: 15 @30533 has 1 MA's), (17, 30521), (44, 30353), (47, 30329), (57, 30290), (65, 30227), (77, 30146), (85, 30080), (96, 30017),

Gene: Zemlya_41 Start: 28738, Stop: 29403, Start Num: 7

Candidate Starts for Zemlya_41:

(Start: 7 @28738 has 37 MA's), (Start: 9 @28753 has 590 MA's), (11, 28756), (50, 28981), (58, 29038), (59, 29044), (61, 29065), (62, 29074), (69, 29110), (71, 29134), (74, 29146), (76, 29155), (77, 29164), (82, 29209), (85, 29230), (99, 29311), (104, 29332), (112, 29380),

Gene: Zephyr_55 Start: 38926, Stop: 38348, Start Num: 22

Candidate Starts for Zephyr_55:

(Start: 22 @38926 has 37 MA's), (30, 38869), (36, 38845), (39, 38818), (41, 38806), (49, 38758), (71, 38608), (85, 38512), (86, 38509), (89, 38479), (93, 38461), (100, 38425), (107, 38395), (108, 38392),

Gene: Zetzy_61 Start: 38461, Stop: 37802, Start Num: 9

Candidate Starts for Zetzy_61:

(Start: 9 @38461 has 590 MA's), (Start: 23 @38368 has 19 MA's), (33, 38314), (36, 38302), (39, 38275), (58, 38155), (74, 38047), (77, 38029), (78, 38023), (93, 37912), (100, 37876), (105, 37858), (107, 37846),

Gene: Zeuska_53 Start: 39537, Stop: 38959, Start Num: 22

Candidate Starts for Zeuska_53:

(Start: 22 @39537 has 37 MA's), (30, 39480), (36, 39456), (39, 39429), (41, 39417), (49, 39369), (65, 39270), (71, 39219), (85, 39123), (89, 39090), (93, 39072), (100, 39036), (107, 39006),

Gene: Zimmer_56 Start: 39879, Stop: 39253, Start Num: 9

Candidate Starts for Zimmer_56:

(Start: 9 @39879 has 590 MA's), (Start: 23 @39786 has 19 MA's), (36, 39738), (39, 39711), (42, 39696), (58, 39603), (59, 39597), (67, 39537), (77, 39477), (78, 39471), (85, 39411), (89, 39378), (93, 39360), (100, 39324), (108, 39291),

Gene: Zolita_55 Start: 39289, Stop: 38627, Start Num: 9

Candidate Starts for Zolita_55:

(Start: 9 @39289 has 590 MA's), (Start: 23 @39196 has 19 MA's), (27, 39178), (33, 39136), (36, 39124), (39, 39097), (41, 39085), (67, 38920), (78, 38854), (79, 38845), (81, 38824), (85, 38794), (87, 38788), (89, 38761), (98, 38716), (100, 38707), (105, 38689), (107, 38677), (108, 38674),

Gene: ZooBear_58 Start: 30975, Stop: 30343, Start Num: 9

Candidate Starts for ZooBear_58:

(Start: 9 @30975 has 590 MA's), (Start: 15 @30957 has 1 MA's), (17, 30945), (24, 30885), (44, 30777), (45, 30759), (47, 30753), (78, 30564), (85, 30504),

Gene: Zulu_62 Start: 38211, Stop: 37579, Start Num: 9

Candidate Starts for Zulu_62:

(Start: 9 @38211 has 590 MA's), (Start: 23 @38118 has 19 MA's), (36, 38064), (44, 38007), (59, 37923), (67, 37863), (85, 37737), (89, 37704), (93, 37686), (100, 37650), (105, 37632), (107, 37620), (108, 37617),