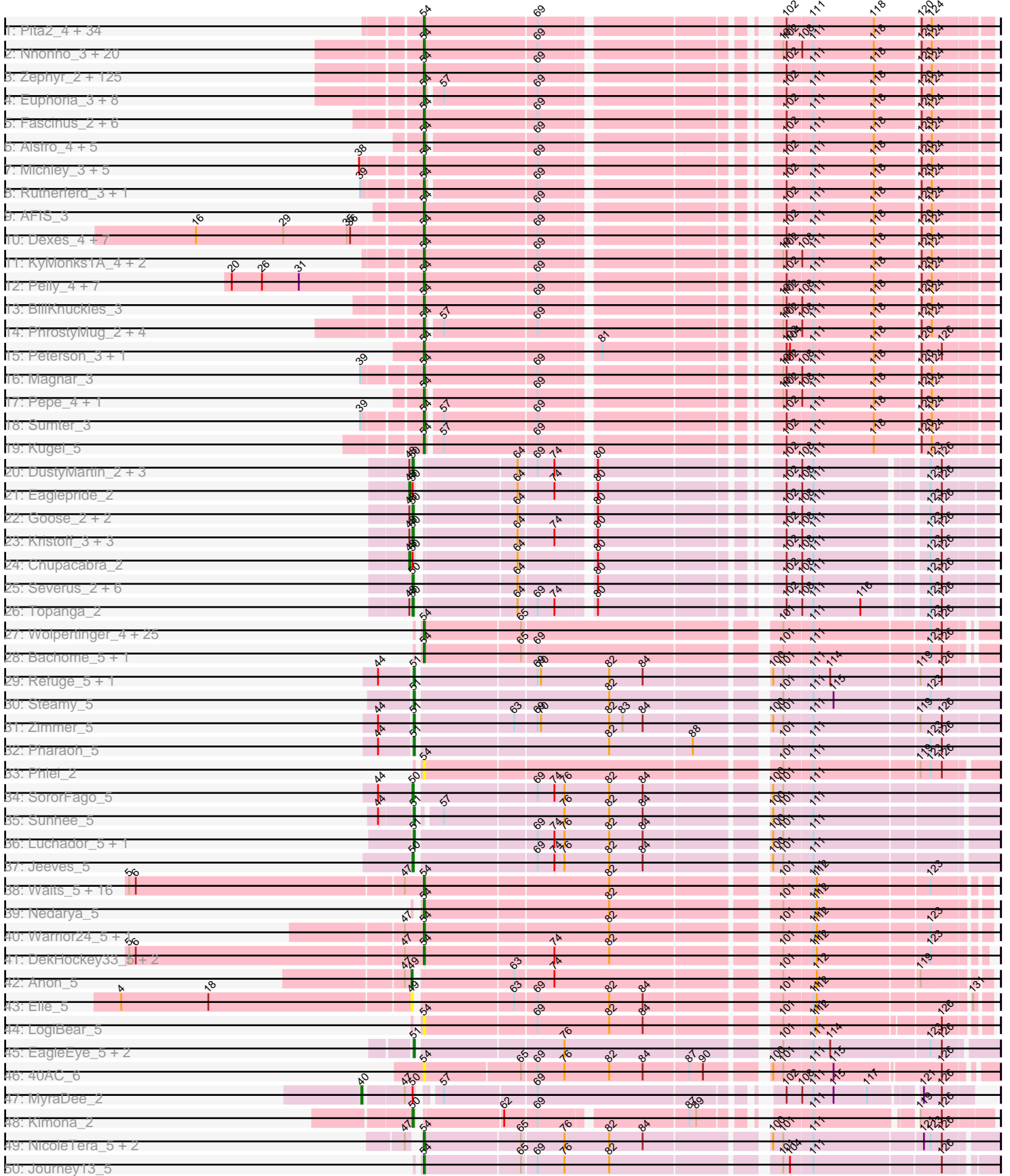
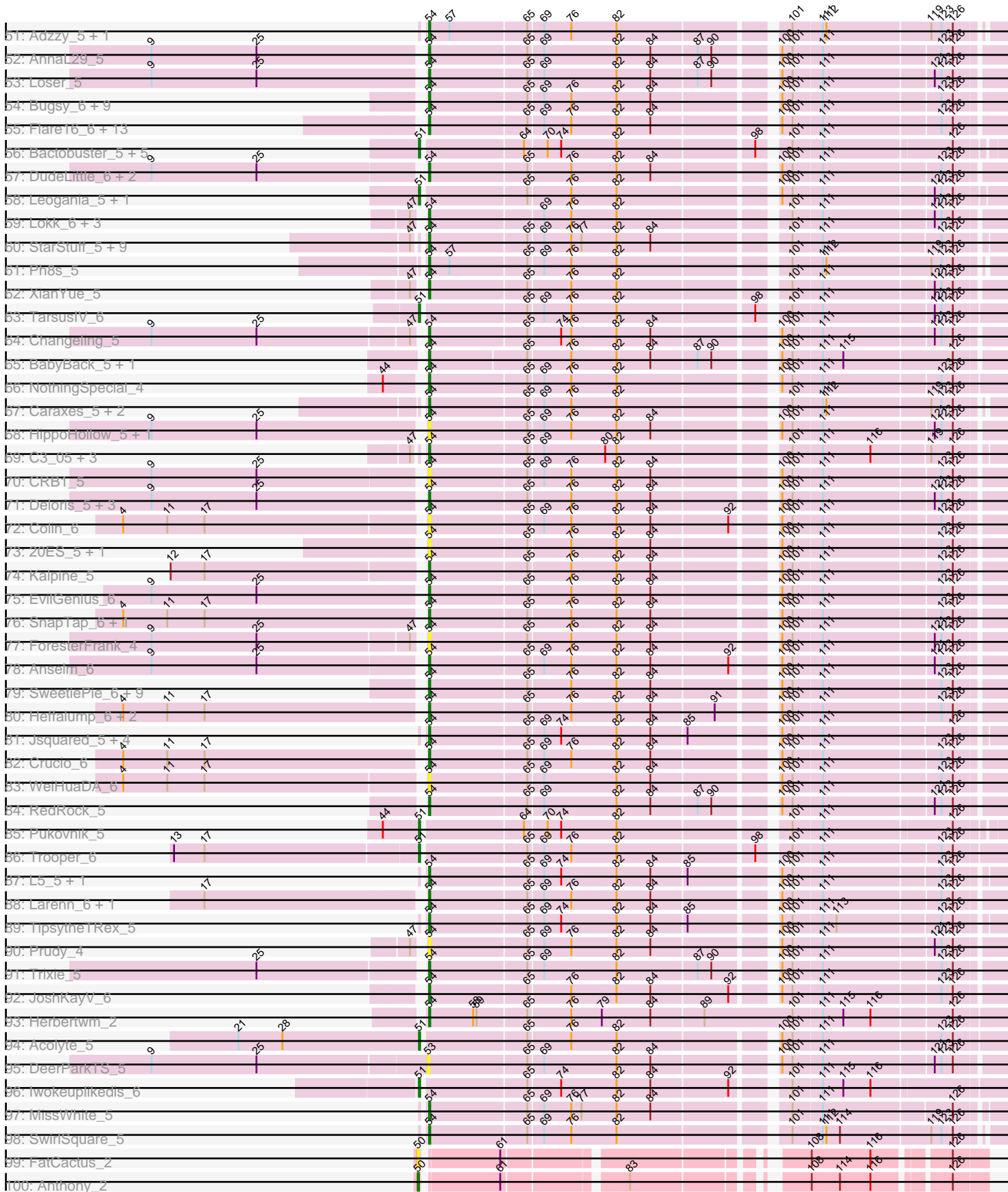


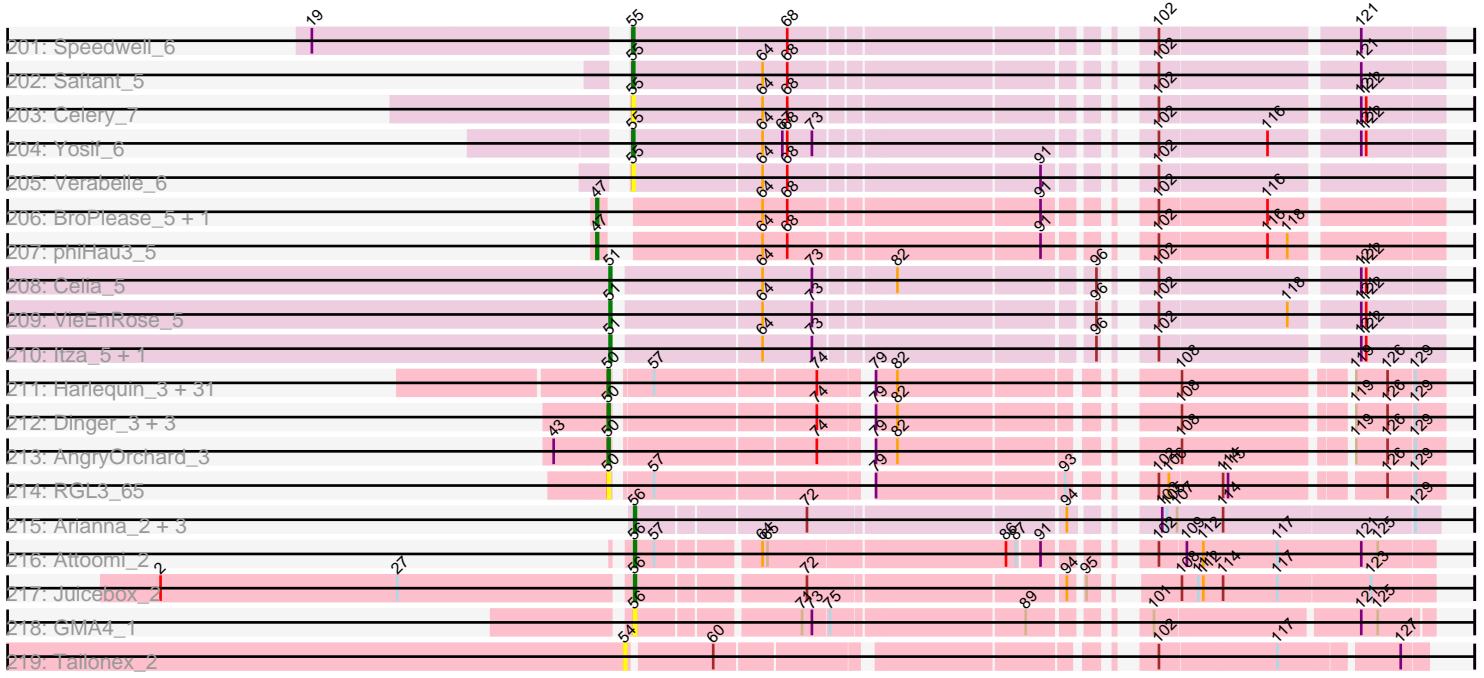
Pham 311003



Pham 311003



Pham 311003



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 311003 Report

This analysis was run 06/27/26 on database version 652.

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 311003 has 1071 members, 106 are drafts.

Phages represented in each track:

- Track 1 : Pita2_4, Ajay_3, Ciao_3, Greg_4, PSullivan_4, GrecoEtereo_4, Sagefire_4, Fajezeel_4, Scowl_4, Pippin_4, HarryOW_4, Graduation_3, Nerujay_3, LunarLander_3, ILeeKay_4, Adahisdi_3, Eyeball_3, DreamCatcher_4, Petp2012_4, Doom_3, Pinto_3, Cueylyss_3, Tote_4, Wilkins_3, Carlyle_4, KBG_3, Applejack_3, Swole_4, Bones_3, Watermelon_4, Tripl3t_3, JuliaChild_4, Puppet_3, Acme_4, Topgun_3
- Track 2 : Nhonho_3, ShortQueendom_2, Bigchungji_2, QTRlifeCrisis_2, Naira_2, Fushigi_3, Sanya_2, Fenn_2, StewieG_2, IgnatiusPatJac_2, Blackflame_3, Dussy_3, Abbysshoes_3, Kenmech_3, BluSpix_2, Snazzy_2, TheloniousMonk_3, Marge_2, Ichabod_3, Homines_3, Wheeler_3
- Track 3 : Zephyr_2, Jerm2_3, Paphu_2, Gandalf20_3, Blue_4, PhineBark_2, Ringer_2, MilleFeuille_2, Burton_3, Barriga_3, EnzoK_2, Lesedi_2, ChristmasHams_3, Marsha_3, Tasp14_3, Ruotula_3, Corvo_3, BigMau_4, Turj99_2, Rufus_3, Ashballer_2, Bircsak_3, Brun_2, GMonster_3, Dulcie_2, Bexan_2, Bob3_3, Zeuska_2, Zeeculate_2, Slagathor_3, PacerPaul_3, PascalRango_3, GroundGoblin_3, Abrogate_30, Museum_4, StrongArm_2, Marco3_2, Papez_3, HermioneGrange_3, Rohr_3, A6_02, Magnito_2, U2_3, RidgeCB_3, Buttons_3, Gachnar_3, Marcell_3, DrFeelGood_2, Bxb1_2, Crispicous1_2, Moose_2, Seabiscuit_3, DirtDevil_3, Marchy_3, Payneful_3, Thor_3, Agaliana_3, Phlippers_2, KikiBouba_3, Blesser_2, Petruccio_3, Espresso_3, Gompeii16_3, Lockley_3, Briton15_3, Trouble_2, Makemake_3, PinkPlastic_2, BPBiebs31_3, Levia_2, Dynamix_3, BeesKnees_3, Kanely_4, Teodoridan_2, MetalQZJ_3, Ohno789_2, Arlo_3, DD5_3, Anglerfish_3, Lopton_3, Hermia_3, CactusRose_2, Squee_2, Kykar_2, Sorpresa_2, TwoPeat_3, BK1_02, Solon_2, LilBib_2, Target_3, Manatee_3, Rubeus_3, Jorgensen_3, Monet_3, CatBus_3, Altman_4, Francis47_3, Noxious_3, Norz_3, Beatrix_2, Gwendoluna_2, Lamina13_3, SwissCheese_2, Parliament_2, MaryBeth_3, Killigrew_2, JackSparrow_2, Chanagan_3, Oogway_2, Switzer_3, Aldrich_3, SarFire_3, Violet_3, ConceptII_3, CartmannCramer_2, ProMouse_2, Arcanine_3, MPlant7149_3, McGuire_3, Froghopper_3, Bethlehem_3, Sandaddy_2, Forsytheast_2, Rajelicia_3, Niza_4, KSSJEB_2
- Track 4 : Euphoria_3, Hami1_2, Alvin_4, BarrowTuph_2, BaconJack_3, Pari_3, PowerRanger_2, Sunshine924_2, NEHalo_3

- Track 5 : Fascinus_2, Maroc7_2, Treddle_3, Bigfoot_2, Mryolo_2, Rhynn_2, Edtherson_3
- Track 6 : Alsfro_4, Dreamboat_4, Jasper_4, PherrisBueller_4, STLscum_4, SkiPole_4
- Track 7 : Michley_3, Mkhuseleli_3, Inyanga_3, Iqorha_3, MrGordo_3, Big3_3
- Track 8 : Rutherford_3, Raid_4
- Track 9 : AFIS_3
- Track 10 : Dexes_4, BigPaolini_4, Smeagol_3, Whitspit_4, Gyzlar_4, Smairt_3, Seanderson_4, Licorice_5
- Track 11 : KyMonks1A_4, Atkinbua_3, McSinger_4
- Track 12 : Pelly_4, SpikeBT_3, Molly_4, Traft412_5, Sibs6_4, PattyP_4, GageAP_4, Hope4ever_3
- Track 13 : BillKnuckles_3
- Track 14 : PhrostyMug_2, Aeneas_2, Mule_2, Paraselene_2, Perseus_2
- Track 15 : Peterson_3, JC27_4
- Track 16 : Magnar_3
- Track 17 : Pepe_4, HanShotFirst_3
- Track 18 : Sumter_3
- Track 19 : Kugel_5
- Track 20 : DustyMartin_2, Edison31_2, Rowdy_2, Shapes_2
- Track 21 : Eaglepride_2
- Track 22 : Goose_2, RhynO_2, OKCentral2016_2
- Track 23 : Kristoff_3, WalterMcMickey_2, Twister_2, Rebeuca_3
- Track 24 : Chupacabra_2
- Track 25 : Severus_2, Drake94_2, Poompha_2, KittenMittens_2, PeaceMeal1_2, DontArgue_2, Trike_1
- Track 26 : Topanga_2
- Track 27 : Wolpertinger_4, MaCh_5, Sham4_5, Et2Brutus_4, Fibonacci_5, Ebony_5, Aneem_5, Jabith_5, Munch_5, Saskia_4, Joselito_5, Gilberta_5, Lucivia_5, Kimba_5, Hutc2_5, TinyTimmy_5, Mulciber_5, Petersenfast_4, Bowtie_5, Insomnia_5, Mabel_5, Orange_5, Salz_5, Flaverint_5, Timothy_5, Snape_5
- Track 28 : Bachome_5, Bud_5
- Track 29 : Refuge_5, DarthPhader_5
- Track 30 : Steamy_5
- Track 31 : Zimmer_5
- Track 32 : Pharaoh_5
- Track 33 : Phlei_2
- Track 34 : SororFago_5
- Track 35 : Sunhee_5
- Track 36 : Luchador_5, Gail_5
- Track 37 : Jeeves_5
- Track 38 : Waits_5, Epsocamisio_5, Nebulosus_5, Ravana_5, Switzerland_5, Strosahl_5, MinecraftSteve_6, JSwag_5, Rosalind_5, Boohoo_5, LastResort_5, Remus_5, Battleship_6, ReMo_5, Looper_5, Anaysia_5, Soups_5
- Track 39 : Nedarya_5
- Track 40 : Warrior24_5, Oofda_5
- Track 41 : DekHockey33_5, ShayRa_6, KatherineG_5
- Track 42 : Anon_5
- Track 43 : Elle_5
- Track 44 : LogiBear_5
- Track 45 : EagleEye_5, PainterBoy_5, Lucyedi_5
- Track 46 : 40AC_6
- Track 47 : MyraDee_2

- Track 48 : Kimona_2
- Track 49 : NicoleTera_5, EZMoney23_5, ArcherNM_5
- Track 50 : Journey13_5
- Track 51 : Adzzy_5, Che12_5
- Track 52 : AnnaL29_5
- Track 53 : Loser_5
- Track 54 : Buggy_6, Agape74_6, Jerm_6, LilTurb_6, Smeagan_6, AbbyPaige_6, Turbido_6, Dignity_6, Leviathan_6, Whabigail7_6
- Track 55 : Flare16_6, WideWale_6, Sknot_6, HarryHoudini_6, Equemioh13_6, Gratitude_5, Piro94_5, Drake55_6, Terrific_7, NaSiaTalie_6, Centaur_6, Baehexic_6, Updawg_6, MiculUcigas_6
- Track 56 : Bactobuster_5, IronMan_5, Tristan_5, Landor_5, Phaded_5, Jaan_5
- Track 57 : DudeLittle_6, KingCyrus_6, Dalmatian_6
- Track 58 : Leogania_5, BiancaTri92_5
- Track 59 : Lokk_6, Miko_6, Rachaly_6, BobSwaget_6
- Track 60 : StarStuff_5, D32_5, Tomathan_5, Travvers_5, Kerberos_5, D29_5, DBQu4n_5, Naji_5, Duplo_5, Pomar16_5
- Track 61 : Ph8s_5
- Track 62 : XianYue_5
- Track 63 : TarsusIV_6
- Track 64 : Changeling_5
- Track 65 : BabyBack_5, GaugeLDP_5
- Track 66 : NothingSpecial_4
- Track 67 : Caraxes_5, Superchunk_5, Odin_4
- Track 68 : HippoHollow_5, LionsBait_5
- Track 69 : C3_05, AN9_5, VC3_5, ANI8_5
- Track 70 : CRB1_5
- Track 71 : Deloris_5, Benvolio_6, BengiVuitton_5, Echild_6
- Track 72 : Colin_6
- Track 73 : 20ES_5, First_005
- Track 74 : Kalpine_5
- Track 75 : EvilGenius_6
- Track 76 : SnapTap_6, Power_6
- Track 77 : ForesterFrank_4
- Track 78 : Anselm_6
- Track 79 : SweetiePie_6, Georgie2_6, AN3_5, LadyBird_5, ChipMunk_6, QueenBeesly_6, SemperFi_6, Retro23_6, VA6_5, FiringLine_6
- Track 80 : Heffalump_6, Fameo_6, QueenB2_6
- Track 81 : Jsquared_5, Quokka_4, Bradman_5, MajorMajor_4, Serenity_5
- Track 82 : Crucio_6
- Track 83 : WeiHuaDA_6
- Track 84 : RedRock_5
- Track 85 : Pukovnik_5
- Track 86 : Trooper_6
- Track 87 : L5_5, Koduck_5
- Track 88 : Larenn_6, Malec_6
- Track 89 : TipsytheTRex_5
- Track 90 : Prudy_4
- Track 91 : Trixie_5
- Track 92 : JoshKayV_6
- Track 93 : Herbertwm_2
- Track 94 : Acolyte_5
- Track 95 : DeerParkTS_5

- Track 96 : Iwokeuplikedis_6
- Track 97 : MissWhite_5
- Track 98 : SwirlSquare_5
- Track 99 : FatCactus_2
- Track 100 : Anthony_2
- Track 101 : Kinmap_5
- Track 102 : Chargerpower_6
- Track 103 : Grub_2, Grif_2, GingkoMaracino_2, Louie6_2, TinyPebbles_2, Soshari_4, SoilDragon_2, PotatoSplit_3, BuzzBuzz_1, Mainiac_2, Sabinator_2, Aglet_2, Snickers_2, LBerry_2, Gwennie_1, Phoebe_2, Grum1_2, Stagni_2, MadMarie_2, StepMih_2, Colbster_2, EpicPhail_2, Ollie_2, Daishi_2, BreSam8_2, LarryKay_2, Beauxregard13_2, Penny1_2, Zetzy_2, MuchMore_4, PGHhamlin_4, GtownJaz_2, Misomonster_4, SoYo_2, Watson_2, KADY_3, AugsMagnumOpus_4, LugYA_4, Pembroke_2, Rummer_2, Wooldri_4, HashRod_3
- Track 104 : JF2_2, JF4_2, Rockstar_2, B1_01, MK4_2
- Track 105 : Popcicle_2, Panamaxus_2, Caviar_2
- Track 106 : Chiqui_1, Isca_2, BabyJohn_1
- Track 107 : Gemma_2, Kalnoky_3, PurpleHaze_2, Manu_3, Reba_3, Kalb97_3, JeppNRM_3, Pawn_2, Groupthink_3, ClownCar_2, HaveUMetTed_3, OlanP_2, PhishRPhriends_2, Marius_3, Phranny_3, Calvinny_2, Heliosoles_2, ACFishhook_2
- Track 108 : BabyRay_2
- Track 109 : Dieselweasel_2, Tiffany_2, Taurus_2, Methuselah_2, Cullens_2, MoneyMay_2, Sabia_2, Microwolf_2, Marie_2, DaHudson_2, Fernando_2, Bxz2_2, MarQuardt_2, AgronaGT15_2, Jobu08_2, P28Green_2, Malinsilva_4, JenCasNa_2, Anubis_4, Hercules11_2
- Track 110 : Todacoro_2, Veracruz_1, QuinnKiro_1, ResDef_2, Hookmount_2, Norbert_1, EtoileNova_1, Noella_2, Pocahontas_2, Lambert1_2, Texage_1, Margo_2
- Track 111 : Marchesa_2, DropBear_2, Zarafa_2, Scout_2, Fred313_2
- Track 112 : Clammy_1, TNguyen7_2, Puppy_2, Bugatti_1, Idleandcovert_1, SaturnRing_1, BlueBird_2, Giroux_2, Pistachio_2
- Track 113 : Phoxy_2, Vix_2, JHC117_2, Spike509_2, Farber_2, Lilith_2
- Track 114 : Heathen_2, HelDan_2
- Track 115 : Bigflo_2, Montavir_1, Croquant_3, Iowa_2
- Track 116 : Kachowdy_2, Roimos_2
- Track 117 : Phantastic_2
- Track 118 : MA5_2
- Track 119 : LittleGuy_2, Huxley_2, Maxo_2, HamSlice_1, Kampy_2, Lorenzo_2, TroyPia_2, Sultana_2, Cocoaberry_2, Sabertooth_2, Clarenza_2, CentreCat_2, Cintron_2, Ruin_2, Holli_2, Connomayer_2, Nyxis_2, Kratark_2, Kremtemulon_2, Pumbaa_2, JoongJeon_2, Eros_2, Maverick_2, Bombshell_2, NotAPhaseMom_2, Annyong_2, Phelipe_2, Melvin_2, Kingmustik0402_2, Avle17_2, Taquarus_2, BellusTerra_2, Phighter1804_2, Koreni_2, Eagle_1, Ulysses_2, MeeZee_2, OKaNui_2, Millski_2, Commander_2, JetBlade_2, KFPoly_2, Relief_2, Eris_2, Ohfah_2, TygerBlood_2, Alberto7_2, Gadost_2, NorthStar_2, Baby16_2, Floean_2, Camperdownii_2, Wilbur_2, Flux_2, Blackmoor_2, Mayonnaise_2, Iceman_2, Pipcraft_2, Polymorphads_2, Palestino_2, Medusa_2, Citius_2, Wander_2, LeoAvram_2, Eapen_2, Rosa24_1, Sparxx_2, Caelakin_2, Arturo_1, Kyee_2, TinaFeyge_2, Koan_2, Chaph_2, Bartimeaus_2, Nebs_2, LittleB_2, LappelDuVide_2, Spino_2, TiroTheta9_2, Funston_2, RockieBear_1, DirtyDunning_2, LochMonster_2, Wizard007_2, Dhanush_2, KekoraPapaka_1, Bruiser_2, SenorClean_2, Scamp_2, PeterPeter_2, Lunsford_2, Houdini22_2, Nemo27_2, BubbleTrouble_2, Broseidon_2, Tinybot_1, Jaykayelowell_2, Lemur_2, Burger_1, Romney_2, Shaka_2, Skipitt_2, SteMason_2, Druantia_2, Eurydice_2, Thanksgivukkah_2, Roosevelt_2,

YoSam321_2, Mazhar510_2, Morrow_2, Iracema64_2, Happiness_2, Deano_2, Abdiel_2, Phacado_2

- Track 120 : AvatarAhPeg_2, Stink_2, Miramae_2
- Track 121 : Datway_2, Wile_2, Cindaradix_2, Badger_2, PetiteSangsue_2, Katalie136_2, Cici_2, Morpher26_2, Shygu2_2, Achebe_2, Perplexer_2, Mundrea_2, Xena_2, Noelle_2, Backyardigan_2, AbbysRanger_2, Bumblebee11_2
- Track 122 : Albee_2, SheldonCooper_2, Obama12_2, Phontbonne_2, LHTSCC_2, ChampagnePapi_2, Cerulean_2, BangNhom_1
- Track 123 : Peaches_2
- Track 124 : Stasia_2
- Track 125 : ICleared_2
- Track 126 : Milcery_2, George_1, Cuco_2, Coog_2, Florence1_2, Bonamassa_2, HuhtaEnerson15_2, Prinasha11_2, Florence4_2, Swirley_2, Tarynearal_1, Midas2_2, Twigg_2
- Track 127 : PetterN_2, Jabiru_2, Airmid_2, Naca_2
- Track 128 : Tiger_2, AgentM_2, Lev2_2, Discoknowium_2, PickleBack_2, Jovo_2, Phlorence_2, Conspiracy_2, ForGetIt_2, Aragog_2, Archetta_2
- Track 129 : Benedict_2, Scorpia_2
- Track 130 : Micasa_2, SydNat_2, Zolita_1, MarysWell_1, Ghoulboy_2, Dublin_1
- Track 131 : EITiger69_2
- Track 132 : Chadwick_2
- Track 133 : Bluefalcon_1
- Track 134 : UnionJack_2
- Track 135 : Theia_1
- Track 136 : LittleCherry_2
- Track 137 : VohminGhazi_5, Dorothea_5, Indra_5, DaVinci_5, CloudWang3_5, Garak_5, ToneTone_4, BennyP_5, Helmet_5, Chartreuse_5, EricB_5, BlessJoy_5, Artemis2UCLA_5, SuperCallie99_5, BABullseye_5, Wiks_5, Kipper29_5, Yokurt_5, Cookiedough_5, Candra_5, Jeffabunny_5, GreedyLawyer_5, Zulu_5, Tucker_5, McFly_5, Neeharika16_5, SuperAwesome_5, Koko_5, Lilbunny_5, Temprado_5, Jordennis_5, Priamo_5, WunderPhul_5, SmellyB_5, Roksolana_5, JewelBug_5, Isiphiwo_5, Hexamo_5, Zaka_5, Hoot_5, Pmask_5, DelvinSonDorr_4, Kazan_5, Newrala_5, Polyphemus_5, Blinn1_5
- Track 138 : Gladiator_5, Rifter_5, Gruunaga_5, Hammer_5, Blue7_5
- Track 139 : PP_13
- Track 140 : FlyCatcher_2, Toro_2
- Track 141 : Sheen_2
- Track 142 : Timshel_2, DroogsArmy_2
- Track 143 : HINdeR_2
- Track 144 : Stephig9_2
- Track 145 : Caitlin_2, Phillis_2, Smeadley_2, NearlyHeadless_2, Astro_2, Danforth_1, Roary_2
- Track 146 : Expelliarmus_1, Groundhog_1
- Track 147 : Dixon_2
- Track 148 : Saintus_2
- Track 149 : Minispark_4, Maminiaina_5, Vanisoa_5, Bellris_4, Rahalelujah_5, BogosyJay_5, CogOmlette_4, WorldCup_4, Arissananae_5
- Track 150 : ExplosioNervosa_5, Jiawan_4, Ugenie5_3, RyeScarlet_6, Halex_4, Phaeder_5, Tubs_5, Hanray_4, Aliter_5, EmyBug_5, Beemo_5, Pioneer_5, Myxus_5, Catalina_5, EdogawaKiddo_3, Scherzo_5, Lilleskat_3, Fayely_5, Ayanochan_6, PackMan_5, Phonnegut_5, HortumSL17_5
- Track 151 : Darrell_5
- Track 152 : SheaKeira_5

- Track 153 : Priya_5, Conquerage_5, Eidsmoe_5, Qobbit_5, Alma_5, Spouty_5, Onglai_5
- Track 154 : Klodlith_5, Charm_5, DreamTeam1_5
- Track 155 : Keziacharles14_5
- Track 156 : MegTheThird_5
- Track 157 : LoneWolf_5
- Track 158 : Toaka_5
- Track 159 : Elephantoan_5
- Track 160 : Yecey3_5
- Track 161 : Nergal_4
- Track 162 : MalagasyRose_6
- Track 163 : Sujidade_6, Lika_5, Godpower_6, Dattran_6, Goby_5, Brataylor_6, Toma_5
- Track 164 : TagePhighter_6, BarryBee_7, SarahRose_5, Werner_5, Danzina_6, Whatever_5, Chucky_5, OzzyJ_6, Hippo_5, Snorlax_5, Emaanora_7, Dwayne_5, Triste_5
- Track 165 : Jash_6, Eddasa_6, Izzy_6, BryanRecycles_6, Oliynyk_6, Rusticus_6
- Track 166 : RedBear_7, South40_6, Katalie_6
- Track 167 : Phettuccine_5, Aaronocolus_5, Unstoppable_5, Indigo_5, Leviticus_5, Esperer_5, Nerdos_5
- Track 168 : Nabi_5, Lorelei_5, Rana_5
- Track 169 : Ozzie_5, Hydra_7, BeardedLady_6, Caliburn_5, SunsetPointe_5, Legacy_5
- Track 170 : Yasdnil_5, Maneekul_5
- Track 171 : Asten_5
- Track 172 : Bovely_5
- Track 173 : Nanodon_7
- Track 174 : Lannister_6
- Track 175 : Ejemplo_5, TuanPN_5
- Track 176 : Zemlya_6, Celeste_5
- Track 177 : EnochSoames_6
- Track 178 : Janus_6, Marav_8, TinaBelcher_5, Andris_5, Paolo_7, TrvxScott_4, Puginator_7, SqueakyClean_6, Animus_6, Thestral_6, BartholomewSD_7, Zainub_7, Bowden_6, GirlDinner_5
- Track 179 : Tefunt_5, Caelum_6, Amethyst_5, Haizum_5, Superstar_6, Nishikigoi_5, Diane_5
- Track 180 : Omar_6
- Track 181 : Alvy_7
- Track 182 : R4_5
- Track 183 : Pablito_5
- Track 184 : Axiom_6
- Track 185 : ELB20_04
- Track 186 : Jevington_7
- Track 187 : Paedore_5, Loofah_6
- Track 188 : Hank144_6
- Track 189 : Triumph_6
- Track 190 : Daudau_5
- Track 191 : Issmi_6
- Track 192 : SunkenRoot_7, Amela_5, Verse_5
- Track 193 : ZamZam_5
- Track 194 : Alsaber_6
- Track 195 : Dexers_4, Kaine_5, Pavo_6, Conan_6
- Track 196 : phiCAM_05

- Track 197 : Sudan_5
- Track 198 : ElGato_6, Provolone_6
- Track 199 : Jhitchelle_4
- Track 200 : Vanseggelen_8
- Track 201 : Speedwell_6
- Track 202 : Saftant_5
- Track 203 : Celery_7
- Track 204 : Yosif_6
- Track 205 : Verabelle_6
- Track 206 : BroPlease_5, GreenWeasel_5
- Track 207 : phiHau3_5
- Track 208 : Celia_5
- Track 209 : VieEnRose_5
- Track 210 : Itza_5, Urza_5
- Track 211 : Harlequin_3, Lillie_3, Belenaria_3, Bradshaw_3, Bryce_3, Naiad_3, Gollum_3, RER2_66, Krishelle_3, BobbyDazzler_3, Swann_3, Shuman_3, Erik_3, Nancinator_3, Natosaleda_3, Bonanza_3, Rasputin_3, Yoncess_3, Espica_3, TWAMP_3, Alpacados_3, UhSalsa_3, Alatin_3, CosmicSans_3, RexFury_3, Yogi_3, StCroix_3, PhailMary_3, Phrankenstein_3, Rhodalysa_3, Jester_3, Hiro_3
- Track 212 : Dinger_3, Takoda_3, AppleCloud_2, Partridge_3
- Track 213 : AngryOrchard_3
- Track 214 : RGL3_65
- Track 215 : Arianna_2, Colleen_2, TouchMeNot_2, Poushou_2
- Track 216 : Attoomi_2
- Track 217 : Juicebox_2
- Track 218 : GMA4_1
- Track 219 : Tailonex_2

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

The start number called the most often in the published annotations is 54, it was called in 413 of the 965 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_5, 40AC_6, A6_02, AFIS_3, AN3_5, AN9_5, ANI8_5, AbbyPaige_6, Abbyshoes_3, Abrogate_30, Acme_4, Adahisdi_3, Adzzy_5, Aeneas_2, Agaliana_3, Agape74_6, Ajay_3, Aldrich_3, Alsfro_4, Altman_4, Alvin_4, Anaysia_5, Aneem_5, Anglerfish_3, AnnaL29_5, Anselm_6, Applejack_3, Arcanine_3, ArcherNM_5, Arlo_3, Artemis2UCLA_5, Ashballer_2, Atkinbua_3, BABullseye_5, BK1_02, BPBiebs31_3, BabyBack_5, Bachome_5, BaconJack_3, Baehexic_6, Barriga_3, BarrowTuph_2, Battleship_6, Beatrix_2, BeesKnees_3, BengiVuitton_5, BennyP_5, Benvolio_6, Bethlehem_3, Bexan_2, Big3_3, BigMau_4, BigPaolini_4, Bigchungu_2, Bigfoot_2, BillKnuckles_3, Bircsak_3, Blackflame_3, BlessJoy_5, Blesser_2, Blinn1_5, BluSpix_2, Blue7_5, Blue_4, Bob3_3, BobSwaget_6, Bones_3, Boohoo_5, Bowtie_5, Bradman_5, Briton15_3, Bruns_2, Bud_5, Buggy_6, Burton_3, Buttons_3, Bxb1_2, C3_05, CRB1_5, CactusRose_2, Candra_5, Caraxes_5, Carlyle_4, CartmannCramer_2, CatBus_3, Centaur_6, Chanagan_3, Changeling_5, Chartreuse_5, Che12_5, ChipMunk_6, ChristmasHams_3, Ciao_3, CloudWang3_5, Colin_6, ConceptII_3, Cookiedough_5, Corvo_3, Crispicous1_2, Crucio_6, Cueyllyss_3, D29_5, D32_5, DBQu4n_5, DD5_3, DaVinci_5, Dalmatian_6,

DekHockey33_5, Deloris_5, DelvinSonDorr_4, Dexes_4, Dignity_6, DirtDevil_3, Doom_3, Dorothea_5, DrFeelGood_2, Drake55_6, DreamCatcher_4, Dreamboat_4, DudeLittle_6, Dulcie_2, Duplo_5, Dussy_3, Dynamix_3, EZMoney23_5, Ebony_5, Echild_6, Edtherson_3, EnzoK_2, Epsocamisio_5, Equemioh13_6, EricB_5, Espresso_3, Et2Brutus_4, Euphoria_3, EvilGenius_6, Eyeball_3, Fajezeel_4, Fameo_6, Fascinus_2, Fenn_2, Fibonacci_5, FiringLine_6, First_005, Flare16_6, Flaverint_5, ForesterFrank_4, Forsytheast_2, Francis47_3, Froghopper_3, Fushigi_3, GMonster_3, Gachnar_3, GageAP_4, Gandalf20_3, Garak_5, GaugeLDP_5, Georgie2_6, Gilberta_5, Gladiator_5, Gompeii16_3, Graduation_3, Gratitude_5, GrecoEtereo_4, GreedyLawyer_5, Greg_4, GroundGoblin_3, Gruunaga_5, Gwendoluna_2, Gyzlar_4, Hami1_2, Hammer_5, HanShotFirst_3, HarryHoudini_6, HarryOW_4, Heffalump_6, Helmet_5, Herbertwm_2, Hermia_3, HermioneGrange_3, Hexamo_5, HippoHollow_5, Homines_3, Hoot_5, Hope4ever_3, Hutc2_5, ILeeKay_4, Ichabod_3, IgnatiusPatJac_2, Indra_5, Insomnia_5, Inyanga_3, Iqorha_3, Isiphiwo_5, JC27_4, JSwag_5, Jabith_5, JackSparrow_2, Jasper_4, Jeffabunny_5, Jerm2_3, Jerm_6, JewelBug_5, Jordennis_5, Jorgensen_3, Joselito_5, JoshKayV_6, Journey13_5, Jsquared_5, JuliaChild_4, KBG_3, KSSJEB_2, Kalpine_5, Kanely_4, KatherineG_5, Kazan_5, Kenmech_3, Kerberos_5, KikiBouba_3, Killigrew_2, Kimba_5, KingCyrus_6, Kinmap_5, Kipper29_5, Koduck_5, Koko_5, Kugel_5, KyMonks1A_4, Kykar_2, L5_5, LadyBird_5, Lamina13_3, Larenn_6, LastResort_5, Lesedi_2, Levia_2, Leviathan_6, Licorice_5, LilBib_2, LiITurb_6, Lilbunny_5, LionsBait_5, Lockley_3, LogiBear_5, Lokk_6, Looper_5, Lopton_3, Loser_5, Lucivia_5, LunarLander_3, MPlant7149_3, MaCh_5, Mabel_5, Magnar_3, Magnito_2, MajorMajor_4, Makemake_3, Malec_6, Manatee_3, Marcell_3, Marchy_3, Marco3_2, Marge_2, Maroc7_2, Marsha_3, MaryBeth_3, McFly_5, McGuire_3, McSinger_4, MetalQZJ_3, Michley_3, MiculUcigas_6, Miko_6, MilleFeuille_2, MinecraftSteve_6, MissWhite_5, Mkhuseleli_3, Molly_4, Monet_3, Moose_2, MrGordo_3, Mryolo_2, Mulciber_5, Mule_2, Munch_5, Museum_4, NEHalo_3, NaSiaTalie_6, Naira_2, Naji_5, Nebulosus_5, Nedarya_5, Neeharika16_5, Nerujay_3, Newrala_5, Nhonho_3, NicoleTera_5, Niza_4, Norz_3, NothingSpecial_4, Noxious_3, Odin_4, Ohno789_2, Oofda_5, Oogway_2, Orange_5, PSullivan_4, PacerPaul_3, Papez_3, Paphu_2, Paraselene_2, Pari_3, Parliament_2, PascalRango_3, PattyP_4, Payneful_3, Pelly_4, Pepe_4, Perseus_2, Petersenfast_4, Peterson_3, Petp2012_4, Petruccio_3, Ph8s_5, PherrisBueller_4, PhineBark_2, Phlei_2, Phlippers_2, PhrostyMug_2, PinkPlastic_2, Pinto_3, Pippin_4, Piro94_5, Pita2_4, Pmask_5, Polyphemus_5, Pomar16_5, PowerRanger_2, Power_6, Priamo_5, ProMouse_2, Prudy_4, Puppet_3, QTRLifeCrisis_2, QueenB2_6, QueenBeesly_6, Quokka_4, Rachaly_6, Raid_4, Rajelicia_3, Ravana_5, ReMo_5, RedRock_5, Remus_5, Retro23_6, Rhynn_2, RidgeCB_3, Rifter_5, Ringer_2, Rohr_3, Roksolana_5, Rosalind_5, Rubeus_3, Rufus_3, Ruotula_3, Rutherford_3, STLscum_4, Sagefire_4, Salz_5, Sandaddy_2, Sanya_2, SarFire_3, Saskia_4, Scowl_4, Seabiscuit_3, Seanderson_4, SemperFi_6, Serenity_5, Sham4_5, ShayRa_6, ShortQueendom_2, Sibs6_4, SkiPole_4, Sknot_6, Slagathor_3, Smairt_3, Smeagan_6, Smeagol_3, SmellyB_5, SnapTap_6, Snape_5, Snazzy_2, Solon_2, Sorpresa_2, Soups_5, SpikeBT_3, Squee_2, StarStuff_5, StewieG_2, StrongArm_2, Strosahl_5, Sumter_3, Sunshine924_2, SuperAwesome_5, SuperCallie99_5, Superchunk_5, SweetiePie_6, SwirlSquare_5, SwissCheese_2, Switzer_3, Switzerland_5, Swole_4, Tailonex_2, Target_3, Tasp14_3, Temprado_5, Teodoridan_2, Terrific_7, TheloniousMonk_3, Thor_3, Timothy_5, TinyTimmy_5, TopsytheTRex_5, Tomathan_5, ToneTone_4, Topgun_3, Tote_4, Trafft412_5, Travvers_5, Treddle_3, Trip13t_3, Trixie_5, Trouble_2, Tucker_5, Turbido_6, Turj99_2, TwoPeat_3, U2_3, Updawg_6, VA6_5, VC3_5, Violet_3, VohminGhazi_5, Waits_5, Warrior24_5, Watermelon_4, WeiHuaDA_6, Whabigail7_6, Wheeler_3, Whitspit_4, WideWale_6, Wiks_5, Wilkins_3, Wolpertinger_4,

WunderPhul_5, XianYue_5, Yokurt_5, Zaka_5, Zeeculate_2, Zephyr_2, Zeuska_2, Zulu_5,

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

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

- ACFishhook_2, Aaronocolus_5, AbbysRanger_2, Abdiel_2, Achebe_2, Acolyte_5, AgentM_2, Aglet_2, AgronaGT15_2, Airmid_2, Alatin_3, Albee_2, Alberto7_2, Aliter_5, Alma_5, Alpacados_3, Alsaber_6, Alvy_7, Amela_5, Amethyst_5, Andris_5, AngryOrchard_3, Animus_6, Annyong_2, Anon_5, Anthony_2, Anubis_4, AppleCloud_2, Aragog_2, Archetta_2, Arianna_2, Arissanae_5, Arturo_1, Asten_5, Astro_2, Attoomi_2, AugsMagnumOpus_4, AvatarAhPeg_2, Avle17_2, Axiom_6, Ayanochan_6, B1_01, Baby16_2, BabyJohn_1, BabyRay_2, Backyardigan_2, Bactobuster_5, Badger_2, BangNhom_1, BarryBee_7, BartholomewSD_7, Bartimeaus_2, BeardedLady_6, Beauxregard13_2, Beemo_5, Belenaria_3, Bellris_4, BellusTerra_2, Benedict_2, BiancaTri92_5, Bigflo_2, Blackmoor_2, BlueBird_2, Bluefalcon_1, BobbyDazzler_3, BogosyJay_5, Bombshell_2, Bonamassa_2, Bonanza_3, Bovely_5, Bowden_6, Bradshaw_3, Brataylor_6, BreSam8_2, BroPlease_5, Broseidon_2, Bruiser_2, BryanRecycles_6, Bryce_3, BubbleTrouble_2, Bugatti_1, Bumblebee11_2, Burger_1, BuzzBuzz_1, Bxz2_2, Caelakin_2, Caelum_6, Caitlin_2, Caliburn_5, Calvinny_2, Camperdownii_2, Catalina_5, Caviar_2, Celery_7, Celeste_5, Celia_5, CentreCat_2, Cerulean_2, Chadwick_2, ChampagnePapi_2, Chaph_2, Chargerpower_6, Charm_5, Chiqui_1, Chucky_5, Chupacabra_2, Cici_2, Cindaradix_2, Cintron_2, Citius_2, Clammy_1, Clarenza_2, ClownCar_2, Cocoaberry_2, CogOmlette_4, Colbster_2, Colleen_2, Commander_2, Conan_6, Connomayer_2, Conquerage_5, Conspiracy_2, Coog_2, CosmicSans_3, Croquant_3, Cuco_2, Cullens_2, DaHudson_2, Daishi_2, Danforth_1, Danzina_6, Darrell_5, DARTHPhader_5, Dattran_6, Datway_2, Daudau_5, Deano_2, DeerParkTS_5, Dexers_4, Dhanush_2, Diane_5, Dieselweasel_2, Dinger_3, DirtyDunning_2, Discoknowium_2, Dixon_2, DontArgue_2, Drake94_2, DreamTeam1_5, DroogsArmy_2, DropBear_2, Druantia_2, Dublin_1, DustyMartin_2, Dwayne_5, ELB20_04, EagleEye_5, Eagle_1, Eaglepride_2, Eapen_2, Eddasa_6, Edison31_2, EdogawaKiddo_3, Eidsmoe_5, Ejemplo_5, ElGato_6, ElTiger69_2, Elephantoon_5, Elle_5, Emaanora_7, EmyBug_5, EnochSoames_6, EpicPhail_2, Erik_3, Eris_2, Eros_2, Esperer_5, Espica_3, EtoileNova_1, Eurydice_2, Expelliarmus_1, ExplosioNervosa_5, Farber_2, FatCactus_2, Fayely_5, Fernando_2, Florean_2, Florence1_2, Florence4_2, Flux_2, FlyCatcher_2, ForGetIt_2, Fred313_2, Funston_2, GMA4_1, Gadost_2, Gail_5, Gemma_2, George_1, Ghouboy_2, GingkoMaracino_2, GirlDinner_5, Giroux_2, Goby_5, Godpower_6, Gollum_3, Goose_2, GreenWeasel_5, Grif_2, Groundhog_1, Groupthink_3, Grub_2, Grum1_2, GtownJaz_2, Gwennie_1, HINdeR_2, Haizum_5, HamSlice_1, Hank144_6, Hanray_4, Happiness_2, Harlequin_3, HashRod_3, HaveUMetTed_3, Heathen_2, HelDan_2, Heliosoles_2, Hercules11_2, Hippo_5, Hiro_3, Horex_4, Holli_2, Hookmount_2, HortumSL17_5, Houdini22_2, HuhtaEnerson15_2, Huxley_2, Hydra_7, ICleared_2, Iceman_2, Idleandcovert_1, Indigo_5, Iracema64_2, IronMan_5, Isca_2, Issmi_6, Itza_5, Iwokeuplikedis_6, Izzy_6, JF2_2, JF4_2, JHC117_2, Jaan_5, Jabiru_2, Janus_6, Jash_6, Jaykayelowell_2, Jeeves_5, JenCasNa_2, JeppNRM_3, Jester_3, JetBlade_2, Jevington_7, Jhitchelle_4, Jiawan_4, Jobu08_2, JoongJeon_2, Jovo_2, Juicebox_2, KADY_3, KFPoly_2, Kachowdy_2, Kaine_5, Kalb97_3, Kalnoky_3, Kampy_2, Katalie136_2, Katalie_6, KekoraPapaka_1, Keziacharles14_5, Kimona_2, Kingmustik0402_2, KittenMittens_2, Klodlith_5, Koan_2, Koreni_2, Kratak_2, Kremtemulon_2, Krishelle_3, Kristoff_3,

Kyee_2, LBerry_2, LHTSCC_2, Lambert1_2, Landor_5, Lannister_6, LappelDuVide_2, LarryKay_2, Legacy_5, Lemur_2, LeoAvram_2, Leogania_5, Lev2_2, Leviticus_5, Lika_5, Lilith_2, Lilleskat_3, Lillie_3, LittleB_2, LittleCherry_2, LittleGuy_2, LochMonster_2, LoneWolf_5, Loofah_6, Lorelei_5, Lorenzo_2, Louie6_2, Lowa_2, Luchador_5, Lucyedi_5, LugYA_4, Lunsford_2, MA5_2, MK4_2, MadMarie_2, Mainiac_2, MalagasyRose_6, Malinsilva_4, Maminina_5, Maneekul_5, Manu_3, MarQuardt_2, Marav_8, Marchesa_2, Margo_2, Marie_2, Marius_3, MarysWell_1, Maverick_2, Maxo_2, Mayonnaise_2, Mazhar510_2, Medusa_2, MeeZee_2, MegTheThird_5, Melvin_2, Methuselah_2, Micasa_2, Microwolf_2, Midas2_2, Milcery_2, Millski_2, Minispark_4, Miramae_2, Misomonster_4, MoneyMay_2, Montavir_1, Morpher26_2, Morrow_2, MuchMore_4, Mundrea_2, MyraDee_2, Myxus_5, Nabi_5, Naca_2, Naiad_3, Nancinator_3, Nanodon_7, Natosaleda_3, NearlyHeadless_2, Nebs_2, Nemo27_2, Nerdos_5, Nergal_4, Nishikigoi_5, Noella_2, Noelle_2, Norbert_1, NorthStar_2, NotAPhaseMom_2, Nyxis_2, OKCentral2016_2, OKaNui_2, Obama12_2, Ohfah_2, OlanP_2, Oliynyk_6, Ollie_2, Omar_6, Onglai_5, Ozzie_5, OzzyJ_6, P28Green_2, PGHhamlin_4, PP_13, Pablito_5, PackMan_5, Paedore_5, PainterBoy_5, Palestino_2, Panamaxus_2, Paolo_7, Partridge_3, Pavo_6, Pawn_2, PeaceMeal1_2, Peaches_2, Pembroke_2, Penny1_2, Perplexer_2, PeterPeter_2, PetiteSangsue_2, PetterN_2, Phacado_2, Phaded_5, Phaeder_5, PhailMary_3, Phantastic_2, Pharaoh_5, Felipe_2, Phettuccine_5, Phighter1804_2, Phillis_2, PhishRPhriends_2, Phlorence_2, Phoebe_2, Phonnegut_5, Phontbonne_2, Phoxy_2, Phrankenstein_3, Phranny_3, PickleBack_2, Pioneer_5, Pipcraft_2, Pistachio_2, Pocahontas_2, Polymorphads_2, Poompha_2, Popcicle_2, PotatoSplit_3, Poushou_2, Prinashe11_2, Priya_5, Provolone_6, Puginator_7, Pukovnik_5, Pumbaa_2, Puppy_2, PurpleHaze_2, Qobbit_5, QuinnKiro_1, R4_5, RER2_66, RGL3_65, Rahalelujah_5, Rana_5, Rasputin_3, Reba_3, Rebeuca_3, RedBear_7, Refuge_5, Relief_2, ResDef_2, RexFury_3, Rhodalysa_3, RhynO_2, Roary_2, RockieBear_1, Rockstar_2, Roimos_2, Romney_2, Roosevelt_2, Rosa24_1, Rowdy_2, Ruin_2, Rummer_2, Rusticus_6, RyeScarlet_6, Sabertooth_2, Sabia_2, Sabinator_2, Saftant_5, Saintus_2, SarahRose_5, SaturnRing_1, Scamp_2, Scherzo_5, Scorpia_2, Scout_2, SeniorClean_2, Severus_2, Shaka_2, Shapes_2, SheaKeira_5, Sheen_2, SheldonCooper_2, Shuman_3, Shygu2_2, Skipitt_2, Smeadley_2, Snickers_2, Snorlax_5, SoYo_2, SoilDragon_2, SororFago_5, Soshari_4, South40_6, Sparxx_2, Speedwell_6, Spike509_2, Spino_2, Spouty_5, SqueakyClean_6, StCroix_3, Stagni_2, Stasia_2, SteMason_2, Steamy_5, StepMih_2, Stephig9_2, Stink_2, Sudan_5, Sujidade_6, Sultana_2, Sunhee_5, SunkenRoot_7, SunsetPointe_5, Superstar_6, Swann_3, Swirley_2, SydNat_2, TNguyen7_2, TWAMP_3, TAgePhighter_6, Takoda_3, Taquarus_2, TarsusIV_6, Tarynearal_1, Taurus_2, Tefunt_5, Texage_1, Thanksgivukkah_2, Theia_1, Thestral_6, Tiffany_2, Tiger_2, Timshel_2, TinaBelcher_5, TinaFeyge_2, TinyPebbles_2, Tinybot_1, TiroTheta9_2, Toaka_5, Todacoro_2, Toma_5, Topanga_2, Toro_2, TouchMeNot_2, Trike_1, Tristan_5, Triste_5, Triumph_6, Trooper_6, TroyPia_2, TrvxScott_4, TuanPN_5, Tubs_5, Twigg_2, Twister_2, TygerBlood_2, Ugenie5_3, UhSalsa_3, Ulysses_2, UnionJack_2, Unstoppable_5, Urza_5, Vanisoa_5, Vanseggelen_8, Verabelle_6, Veracruz_1, Verse_5, VieEnRose_5, Vix_2, WalterMcMickey_2, Wander_2, Watson_2, Werner_5, Whatever_5, Wilbur_2, Wile_2, Wizard007_2, Wooldri_4, WorldCup_4, Xena_2, Yasdnil_5, Yecey3_5, YoSam321_2, Yogi_3, Yoncess_3, Yosif_6, Zainub_7, ZamZam_5, Zarafa_2, Zemlya_6, Zetzy_2, Zimmer_5, Zolita_1, phiCAM_05, phiHau3_5,

Summary by start number:

Start 37:

- Found in 9 of 1071 (0.8%) of genes in pham
- Manual Annotations of this start: 2 of 965
- Called 22.2% of time when present
- Phage (with cluster) where this start called: Heathen_2 (A3), HelDan_2 (A3),

Start 39:

- Found in 13 of 1071 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 965
- Called 7.7% of time when present
- Phage (with cluster) where this start called: Stephig9_2 (A8),

Start 40:

- Found in 1 of 1071 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 965
- Called 100.0% of time when present
- Phage (with cluster) where this start called: MyraDee_2 (A18),

Start 45:

- Found in 6 of 1071 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 965
- Called 16.7% of time when present
- Phage (with cluster) where this start called: R4_5 (BD2),

Start 46:

- Found in 2 of 1071 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 965
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Hank144_6 (BD2),

Start 47:

- Found in 212 of 1071 (19.8%) of genes in pham
- Manual Annotations of this start: 52 of 965
- Called 25.0% of time when present
- Phage (with cluster) where this start called: AgronaGT15_2 (A3), Amethyst_5 (BD2), Andris_5 (BD2), Animus_6 (BD2), Anubis_4 (A3), Axiom_6 (BD2), BartholomewSD_7 (BD2), Bowden_6 (BD2), BroPlease_5 (BD4), Bxz2_2 (A3), Caelum_6 (BD2), Cullens_2 (A3), DaHudson_2 (A3), Daudau_5 (BD2), Diane_5 (BD2), Dieselweasel_2 (A3), Fernando_2 (A3), GirlDinner_5 (BD2), GreenWeasel_5 (BD4), Haizum_5 (BD2), Hercules11_2 (A3), Issmi_6 (BD2), Janus_6 (BD2), JenCasNa_2 (A3), Jevington_7 (BD2), Jobu08_2 (A3), Loofah_6 (BD2), Malinsilva_4 (A3), MarQuardt_2 (A3), Marav_8 (BD2), Marie_2 (A3), Methuselah_2 (A3), Microwolf_2 (A3), MoneyMay_2 (A3), Nishikigoi_5 (BD2), Omar_6 (BD2), P28Green_2 (A3), Pablito_5 (BD2), Paedore_5 (BD2), Paolo_7 (BD2), Puginator_7 (BD2), Sabia_2 (A3), SqueakyClean_6 (BD2), Superstar_6 (BD2), Taurus_2 (A3), Tefunt_5 (BD2), Thestral_6 (BD2), Tiffany_2 (A3), TinaBelcher_5 (BD2), Triumph_6 (BD2), TrvxScott_4 (BD2), Zainub_7 (BD2), phiHau3_5 (BD4),

Start 48:

- Found in 14 of 1071 (1.3%) of genes in pham
- Manual Annotations of this start: 2 of 965
- Called 14.3% of time when present

- Phage (with cluster) where this start called: Chupacabra_2 (A10), Eaglepride_2 (A10),

Start 49:

- Found in 8 of 1071 (0.7%) of genes in pham
- Manual Annotations of this start: 5 of 965
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anon_5 (A15), DroogsArmy_2 (A7), Elle_5 (A15), FlyCatcher_2 (A7), HINdeR_2 (A7), Sheen_2 (A7), Timshel_2 (A7), Toro_2 (A7),

Start 50:

- Found in 347 of 1071 (32.4%) of genes in pham
- Manual Annotations of this start: 285 of 965
- Called 89.0% of time when present
- Phage (with cluster) where this start called: ACFishhook_2 (A3), AbbysRanger_2 (A4), Abdiel_2 (A4), Achebe_2 (A4), Aglet_2 (A3), Alatin_3 (CA), Albee_2 (A4), Alberto7_2 (A4), Alpacados_3 (CA), AngryOrchard_3 (CA), Anyong_2 (A4), Anthony_2 (A20), AppleCloud_2 (CA), Arturo_1 (A4), AugsMagnumOpus_4 (A3), AvatarAhPeg_2 (A4), Avle17_2 (A4), B1_01 (A3), Baby16_2 (A4), BabyJohn_1 (A3), BabyRay_2 (A3), Backyardigan_2 (A4), Badger_2 (A4), BangNhom_1 (A4), Bartimeaus_2 (A4), Beauxregard13_2 (A3), Belenaria_3 (CA), BellusTerra_2 (A4), Blackmoor_2 (A4), BlueBird_2 (A3), BobbyDazzler_3 (CA), Bombshell_2 (A4), Bonanza_3 (CA), Bradshaw_3 (CA), BreSam8_2 (A3), Broseidon_2 (A4), Bruiser_2 (A4), Bryce_3 (CA), BubbleTrouble_2 (A4), Bugatti_1 (A3), Bumblebee11_2 (A4), Burger_1 (A4), BuzzBuzz_1 (A3), Caelakin_2 (A4), Calvinny_2 (A3), Camperdownii_2 (A4), CentreCat_2 (A4), Cerulean_2 (A4), ChampagnePapi_2 (A4), Chaph_2 (A4), Chiqui_1 (A3), Cici_2 (A4), Cindaradix_2 (A4), Cintron_2 (A4), Citius_2 (A4), Clammy_1 (A3), Clarenza_2 (A4), ClownCar_2 (A3), Cocoaberry_2 (A4), Colbster_2 (A3), Commander_2 (A4), Connomayer_2 (A4), CosmicSans_3 (CA), Daishi_2 (A3), Datway_2 (A4), Deano_2 (A4), Dhanush_2 (A4), Dinger_3 (CA), DirtyDunning_2 (A4), DontArgue_2 (A10), Drake94_2 (A10), DropBear_2 (A3), Druantia_2 (A4), DustyMartin_2 (A10), Eagle_1 (A4), Eapen_2 (A4), Edison31_2 (A10), EpicPhail_2 (A3), Erik_3 (CA), Eris_2 (A4), Eros_2 (A4), Espica_3 (CA), EtoileNova_1 (A3), Eurydice_2 (A4), FatCactus_2 (A20), Florean_2 (A4), Flux_2 (A4), Fred313_2 (A3), Funston_2 (A4), Gadost_2 (A4), Gemma_2 (A3), GingkoMaracino_2 (A3), Giroux_2 (A3), Gollum_3 (CA), Goose_2 (A10), Grif_2 (A3), Groupthink_3 (A3), Grub_2 (A3), Grum1_2 (A3), GtownJaz_2 (A3), Gwennie_1 (A3), HamSlice_1 (A4), Happiness_2 (A4), Harlequin_3 (CA), HashRod_3 (A3), HaveUMetTed_3 (A3), Heliosoles_2 (A3), Hiro_3 (CA), Holli_2 (A4), Hookmount_2 (A3), Houdini22_2 (A4), Huxley_2 (A4), ICleared_2 (A4), Iceman_2 (A4), Idleandcovert_1 (A3), Iracema64_2 (A4), Isca_2 (A3), JF2_2 (A3), JF4_2 (A3), Jaykayelowell_2 (A4), Jeeves_5 (A14), JeppNRM_3 (A3), Jester_3 (CA), JetBlade_2 (A4), JoongJeon_2 (A4), KADY_3 (A3), KFPoly_2 (A4), Kachowdy_2 (A3), Kalb97_3 (A3), Kalnok_3 (A3), Kampy_2 (A4), Katalie136_2 (A4), KekoraPapaka_1 (A4), Kimona_2 (A19), Kingmustik0402_2 (A4), KittenMittens_2 (A10), Koan_2 (A4), Koreni_2 (A4), Kratark_2 (A4), Kremtemulon_2 (A4), Krishelle_3 (CA), Kristoff_3 (A10), Kye_2 (A4), LBerry_2 (A3), LHTSCC_2 (A4), Lambert1_2 (A3), LappelDuVide_2 (A4), LarryKay_2 (A3), Lemur_2 (A4), LeoAvram_2 (A4), Lillie_3 (CA), LittleB_2 (A4), LittleGuy_2 (A4), LochMonster_2 (A4), Lorenzo_2 (A4), Louie6_2 (A3), LugYA_4 (A3), Lunsford_2 (A4), MA5_2 (A3), MK4_2 (A3), MadMarie_2 (A3), Mainiac_2 (A3), Manu_3 (A3), Marchesa_2 (A3), Margo_2 (A3), Marius_3 (A3), Maverick_2 (A4), Maxo_2 (A4), Mayonnaise_2 (A4), Mazhar510_2 (A4), Medusa_2 (A4), MeeZee_2 (A4), Melvin_2 (A4), Millski_2 (A4),

Miramae_2 (A4), Misomonster_4 (A3), Morpher26_2 (A4), Morrow_2 (A4), MuchMore_4 (A3), Mundrea_2 (A4), Naiad_3 (CA), Nancinator_3 (CA), Natosaleda_3 (CA), Nebs_2 (A4), Nemo27_2 (A4), Noella_2 (A3), Noelle_2 (A4), Norbert_1 (A3), NorthStar_2 (A4), NotAPhaseMom_2 (A4), Nyxis_2 (A4), OKCentral2016_2 (A10), OKaNui_2 (A4), Obama12_2 (A4), Ohfah_2 (A4), OlanP_2 (A3), Ollie_2 (A3), PGHhamlin_4 (A3), PP_13 (A7), Palestino_2 (A4), Partridge_3 (CA), Pawn_2 (A3), PeaceMeal1_2 (A10), Peaches_2 (A4), Pembroke_2 (A3), Penny1_2 (A3), Perplexer_2 (A4), PeterPeter_2 (A4), PetiteSangsue_2 (A4), Phacado_2 (A4), PhailMary_3 (CA), Phantastic_2 (A3), Phelipe_2 (A4), Phighter1804_2 (A4), PhishRPhriends_2 (A3), Phoebe_2 (A3), Phontbonne_2 (A4), Phrankenstein_3 (CA), Phranny_3 (A3), Pipcraft_2 (A4), Pistachio_2 (A3), Pocahontas_2 (A3), Polymorphads_2 (A4), Poompha_2 (A10), PotatoSplit_3 (A3), Pumbaa_2 (A4), Puppy_2 (A3), PurpleHaze_2 (A3), QuinnKiro_1 (A3), RER2_66 (CA), RGL3_65 (CA), Rasputin_3 (CA), Reba_3 (A3), Rebeuca_3 (A10), Relief_2 (A4), ResDef_2 (A3), RexFury_3 (CA), Rhodalysa_3 (CA), RhynO_2 (A10), RockieBear_1 (A4), Rockstar_2 (A3), Roimos_2 (A3), Romney_2 (A4), Roosevelt_2 (A4), Rosa24_1 (A4), Rowdy_2 (A10), Ruin_2 (A4), Rummer_2 (A3), Sabertooth_2 (A4), Sabinator_2 (A3), SaturnRing_1 (A3), Scamp_2 (A4), Scout_2 (A3), SenorClean_2 (A4), Severus_2 (A10), Shaka_2 (A4), Shapes_2 (A10), SheldonCooper_2 (A4), Shuman_3 (CA), Shygu2_2 (A4), Skipitt_2 (A4), Snickers_2 (A3), SoYo_2 (A3), SoilDragon_2 (A3), SororFago_5 (A14), Soshari_4 (A3), Sparxx_2 (A4), Spino_2 (A4), StCroix_3 (CA), Stagni_2 (A3), Stasia_2 (A4), SteMason_2 (A4), StepMih_2 (A3), Stink_2 (A4), Sultana_2 (A4), Swann_3 (CA), TNguyen7_2 (A3), TWAMP_3 (CA), Takoda_3 (CA), Taquarus_2 (A4), Texage_1 (A3), Thanksgivukkah_2 (A4), TinaFeyge_2 (A4), TinyPebbles_2 (A3), Tinybot_1 (A4), TiroTheta9_2 (A4), Todacoro_2 (A3), Topanga_2 (A10), Trike_1 (A10), TroyPia_2 (A4), Twister_2 (A10), TygerBlood_2 (A4), UhSalsa_3 (CA), Ulysses_2 (A4), Veracruz_1 (A3), WalterMcMickey_2 (A10), Wander_2 (A4), Watson_2 (A3), Wilbur_2 (A4), Wile_2 (A4), Wizard007_2 (A4), Wooldri_4 (A3), Xena_2 (A4), Yecey3_5 (A9), YoSam321_2 (A4), Yogi_3 (CA), Yoncess_3 (CA), Zarafa_2 (A3), Zetzy_2 (A3),

Start 51:

- Found in 89 of 1071 (8.3%) of genes in pham
- Manual Annotations of this start: 74 of 965
- Called 98.9% of time when present
- Phage (with cluster) where this start called: Acolyte_5 (A2), Aliter_5 (A9), Alma_5 (A9), Arissanae_5 (A9), Astro_2 (A8), Ayanochan_6 (A9), Bactobuster_5 (A2), Beemo_5 (A9), Bellris_4 (A9), BiancaTri92_5 (A2), BogosyJay_5 (A9), Caitlin_2 (A8), Catalina_5 (A9), Celia_5 (BD6), Chargerpower_6 (A22), Charm_5 (A9), CogOmlette_4 (A9), Conquerage_5 (A9), Danforth_1 (A8), Darrell_5 (A9), DARTHPhader_5 (A12), Dixon_2 (A8), DreamTeam1_5 (A9), EagleEye_5 (A16), EdogawaKiddo_3 (A9), Eidsmoe_5 (A9), Elephantoon_5 (A9), EmyBug_5 (A9), Expelliarmus_1 (A8), ExplosioNervosa_5 (A9), Fayely_5 (A9), Gail_5 (A14), Groundhog_1 (A8), Hanray_4 (A9), Halex_4 (A9), HortumSL17_5 (A9), IronMan_5 (A2), Itza_5 (BD6), Iwokeuplikedis_6 (A2), Jaan_5 (A2), Jiawan_4 (A9), Keziacharles14_5 (A9), Klodlith_5 (A9), Landor_5 (A2), Leogania_5 (A2), Lilleskat_3 (A9), LoneWolf_5 (A9), Luchador_5 (A14), Lucyedi_5 (A16), Maminiaina_5 (A9), MegTheThird_5 (A9), Minispark_4 (A9), Myxus_5 (A9), NearlyHeadless_2 (A8), Onglai_5 (A9), PackMan_5 (A9), PainterBoy_5 (A16), Phaded_5 (A2), Phaeder_5 (A9), Pharaoh_5 (A12), Phillis_2 (A8), Phonnegut_5 (A9), Pioneer_5 (A9), Priya_5 (A9), Pukovnik_5 (A2), Qobbit_5 (A9), Rahalelujah_5 (A9), Refuge_5 (A12), Roary_2 (A8), RyeScarlet_6 (A9), Saintus_2 (A8), Scherzo_5 (A9), SheaKeira_5 (A9), Smeadley_2 (A8), Spouty_5 (A9), Steamy_5 (A12), Sunhee_5 (A14), TarsusIV_6

(A2), Toaka_5 (A9), Tristan_5 (A2), Trooper_6 (A2), Tubs_5 (A9), Ugenie5_3 (A9), Urza_5 (BD6), Vanisoa_5 (A9), VieEnRose_5 (BD6), WorldCup_4 (A9), Zimmer_5 (A12),

Start 52:

- Found in 42 of 1071 (3.9%) of genes in pham
- Manual Annotations of this start: 39 of 965
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AgentM_2 (A5), Airmid_2 (A5), Aragog_2 (A5), Archetta_2 (A5), Benedict_2 (A5), Bluefalcon_1 (A5), Bonamassa_2 (A5), Chadwick_2 (A5), Conspiracy_2 (A5), Coog_2 (A5), Cuco_2 (A5), Discoknowium_2 (A5), Dublin_1 (A5), EITiger69_2 (A5), Florence1_2 (A5), Florence4_2 (A5), ForGetIt_2 (A5), George_1 (A5), Ghoulboy_2 (A5), HuhtaEnerson15_2 (A5), Jabiru_2 (A5), Jovo_2 (A5), Lev2_2 (A5), LittleCherry_2 (A5), MarysWell_1 (A5), Micasa_2 (A5), Midas2_2 (A5), Milcery_2 (A5), Naca_2 (A5), PetterN_2 (A5), Phlorence_2 (A5), PickleBack_2 (A5), Prinasha11_2 (A5), Scorpia_2 (A5), Swirley_2 (A5), SydNat_2 (A5), Tarynearal_1 (A5), Theia_1 (A5), Tiger_2 (A5), Twigg_2 (A5), UnionJack_2 (A5), Zolita_1 (A5),

Start 53:

- Found in 1 of 1071 (0.1%) of genes in pham
- No Manual Annotations of this start.
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DeerParkTS_5 (A2),

Start 54:

- Found in 462 of 1071 (43.1%) of genes in pham
- Manual Annotations of this start: 413 of 965
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 20ES_5 (A2), 40AC_6 (A17), A6_02 (A1), AFIS_3 (A1), AN3_5 (A2), AN9_5 (A2), ANI8_5 (A2), AbbyPaige_6 (A2), Abbyshoes_3 (A1), Abrogate_30 (A1), Acme_4 (A1), Adahisdi_3 (A1), Adzzy_5 (A2), Aeneas_2 (A1), Agaliana_3 (A1), Agape74_6 (A2), Ajay_3 (A1), Aldrich_3 (A1), Alsfro_4 (A1), Altman_4 (A1), Alvin_4 (A1), Anaysia_5 (A15), Aneem_5 (A11), Anglerfish_3 (A1), AnnaL29_5 (A2), Anselm_6 (A2), Applejack_3 (A1), Arcanine_3 (A1), ArcherNM_5 (A2), Arlo_3 (A1), Artemis2UCLA_5 (A6), Ashballer_2 (A1), Atkinbua_3 (A1), BABullseye_5 (A6), BK1_02 (A1), BPBiebs31_3 (A1), BabyBack_5 (A2), Bachome_5 (A11), BaconJack_3 (A1), Baehexic_6 (A2), Barriga_3 (A1), BarrowTuph_2 (A1), Battleship_6 (A15), Beatrix_2 (A1), BeesKnees_3 (A1), BengiVuitton_5 (A2), BennyP_5 (A6), Benvolio_6 (A2), Bethlehem_3 (A1), Bexan_2 (A1), Big3_3 (A1), BigMau_4 (A1), BigPaolini_4 (A1), Bigchungi_2 (A1), Bigfoot_2 (A1), BillKnuckles_3 (A1), Bircsak_3 (A1), Blackflame_3 (A1), BlessJoy_5 (A6), Blesser_2 (A1), Blinn1_5 (A6), BluSpix_2 (A1), Blue7_5 (A6), Blue_4 (A1), Bob3_3 (A1), BobSwaget_6 (A2), Bones_3 (A1), Boohoo_5 (A15), Bowtie_5 (A11), Bradman_5 (A2), Briton15_3 (A1), Bruns_2 (A1), Bud_5 (A11), Buggy_6 (A2), Burton_3 (A1), Buttons_3 (A1), Bxb1_2 (A1), C3_05 (A2), CRB1_5 (A2), CactusRose_2 (A1), Candra_5 (A6), Caraxes_5 (A2), Carlyle_4 (A1), CartmannCramer_2 (A1), CatBus_3 (A1), Centaur_6 (A2), Chanagan_3 (A1), Changeling_5 (A2), Chartreuse_5 (A6), Che12_5 (A2), ChipMunk_6 (A2), ChristmasHams_3 (A1), Ciao_3 (A1), CloudWang3_5 (A6), Colin_6 (A2), ConceptII_3 (A1), Cookiedough_5 (A6), Corvo_3 (A1), Crispicous1_2 (A1), Crucio_6 (A2), Cueyllyss_3 (A1), D29_5 (A2), D32_5 (A2), DBQu4n_5 (A2), DD5_3 (A1), DaVinci_5 (A6), Dalmatian_6 (A2), DekHockey33_5 (A15), Deloris_5 (A2), DelvinSonDorr_4

(A6), Dexes_4 (A1), Dignity_6 (A2), DirtDevil_3 (A1), Doom_3 (A1), Dorothea_5 (A6), DrFeelGood_2 (A1), Drake55_6 (A2), DreamCatcher_4 (A1), Dreamboat_4 (A1), DudeLittle_6 (A2), Dulcie_2 (A1), Duplo_5 (A2), Dussy_3 (A1), Dynamix_3 (A1), EZMoney23_5 (A2), Ebony_5 (A11), Echild_6 (A2), Edtherson_3 (A1), EnzoK_2 (A1), Epsocamisio_5 (A15), Equemioh13_6 (A2), EricB_5 (A6), Espresso_3 (A1), Et2Brutus_4 (A11), Euphoria_3 (A1), EvilGenius_6 (A2), Eyeball_3 (A1), Fajezeel_4 (A1), Fameo_6 (A2), Fascinus_2 (A1), Fenn_2 (A1), Fibonacci_5 (A11), FiringLine_6 (A2), First_005 (A2), Flare16_6 (A2), Flaverint_5 (A11), ForesterFrank_4 (A2), Forsytheast_2 (A1), Francis47_3 (A1), Froghopper_3 (A1), Fushigi_3 (A1), GMonster_3 (A1), Gachnar_3 (A1), GageAP_4 (A1), Gandalf20_3 (A1), Garak_5 (A6), GaugeLDP_5 (A2), Georgie2_6 (A2), Gilberta_5 (A11), Gladiator_5 (A6), Gompeii16_3 (A1), Graduation_3 (A1), Gratitude_5 (A2), GrecoEtereo_4 (A1), GreedyLawyer_5 (A6), Greg_4 (A1), GroundGoblin_3 (A1), Gruunaga_5 (A6), Gwendoluna_2 (A1), Gyzlar_4 (A1), Hami1_2 (A1), Hammer_5 (A6), HanShotFirst_3 (A1), HarryHoudini_6 (A2), HarryOW_4 (A1), Heffalump_6 (A2), Helmet_5 (A6), Herbertwm_2 (A2), Hermia_3 (A1), HermioneGrange_3 (A1), Hexamo_5 (A6), HippoHollow_5 (A2), Homines_3 (A1), Hoot_5 (A6), Hope4ever_3 (A1), Hutc2_5 (A11), ILeeKay_4 (A1), Ichabod_3 (A1), IgnatiusPatJac_2 (A1), Indra_5 (A6), Insomnia_5 (A11), Inyanga_3 (A1), Iqorha_3 (A1), Isiphiwo_5 (A6), JC27_4 (A1), JSwag_5 (A15), Jabith_5 (A11), JackSparrow_2 (A1), Jasper_4 (A1), Jeffabunny_5 (A6), Jerm2_3 (A1), Jerm_6 (A2), JewelBug_5 (A6), Jordennis_5 (A6), Jorgensen_3 (A1), Joselito_5 (A11), JoshKayV_6 (A2), Journey13_5 (A2), Jsquared_5 (A2), JuliaChild_4 (A1), KBG_3 (A1), KSSJEB_2 (A1), Kalpine_5 (A2), Kanely_4 (A1), KatherineG_5 (A15), Kazan_5 (A6), Kenmech_3 (A1), Kerberos_5 (A2), KikiBouba_3 (A1), Killigrew_2 (A1), Kimba_5 (A11), KingCyrus_6 (A2), Kinmap_5 (A21), Kipper29_5 (A6), Koduck_5 (A2), Koko_5 (A6), Kugel_5 (A1), KyMonks1A_4 (A1), Kykar_2 (A1), L5_5 (A2), LadyBird_5 (A2), Lamina13_3 (A1), Larenn_6 (A2), LastResort_5 (A15), Lesedi_2 (A1), Levia_2 (A1), Leviathan_6 (A2), Licorice_5 (A1), LilBib_2 (A1), LilTurb_6 (A2), Lilbunny_5 (A6), LionsBait_5 (A2), Lockley_3 (A1), LogiBear_5 (A15), Lokk_6 (A2), Looper_5 (A15), Lopton_3 (A1), Loser_5 (A2), Lucivia_5 (A11), LunarLander_3 (A1), MPlant7149_3 (A1), MaCh_5 (A11), Mabel_5 (A11), Magnar_3 (A1), Magnito_2 (A1), MajorMajor_4 (A2), Makemake_3 (A1), Malec_6 (A2), Manatee_3 (A1), Marcell_3 (A1), Marchy_3 (A1), Marco3_2 (A1), Marge_2 (A1), Maroc7_2 (A1), Marsha_3 (A1), MaryBeth_3 (A1), McFly_5 (A6), McGuire_3 (A1), McSinger_4 (A1), MetalQZJ_3 (A1), Michley_3 (A1), MiculUcigas_6 (A2), Miko_6 (A2), MilleFeuille_2 (A1), MinecraftSteve_6 (A15), MissWhite_5 (A2), Mkhuseleli_3 (A1), Molly_4 (A1), Monet_3 (A1), Moose_2 (A1), MrGordo_3 (A1), Mryolo_2 (A1), Mulciber_5 (A11), Mule_2 (A1), Munch_5 (A11), Museum_4 (A1), NEHalo_3 (A1), NaSiaTalie_6 (A2), Naira_2 (A1), Naji_5 (A2), Nebulosus_5 (A15), Nedarya_5 (A15), Neeharika16_5 (A6), Nerujay_3 (A1), Newrala_5 (A6), Nhonho_3 (A1), NicoleTera_5 (A2), Niza_4 (A1), Norz_3 (A1), NothingSpecial_4 (A2), Noxious_3 (A1), Odin_4 (A2), Ohno789_2 (A1), Oofda_5 (A15), Oogway_2 (A1), Orange_5 (A11), PSullivan_4 (A1), PacerPaul_3 (A1), Papez_3 (A1), Paphu_2 (A1), Paraselene_2 (A1), Pari_3 (A1), Parliament_2 (A1), PascalRango_3 (A1), PattyP_4 (A1), Payneful_3 (A1), Pelly_4 (A1), Pepe_4 (A1), Perseus_2 (A1), Petersenfast_4 (A11), Peterson_3 (A1), Petp2012_4 (A1), Petruccio_3 (A1), Ph8s_5 (A2), PherrisBueller_4 (A1), PhineBark_2 (A1), Phlei_2 (A13), Phlippers_2 (A1), PhrostyMug_2 (A1), PinkPlastic_2 (A1), Pinto_3 (A1), Pippin_4 (A1), Piro94_5 (A2), Pita2_4 (A1), Pmask_5 (A6), Polyphemus_5 (A6), Pomar16_5 (A2), PowerRanger_2 (A1), Power_6 (A2), Priamo_5 (A6), ProMouse_2 (A1), Prudy_4 (A2), Puppet_3 (A1), QTRLifeCrisis_2 (A1), QueenB2_6 (A2), QueenBeesly_6 (A2), Quokka_4 (A2), Rachaly_6 (A2), Raid_4 (A1), Rajelicia_3 (A1), Ravana_5 (A15), ReMo_5 (A15), RedRock_5 (A2), Remus_5 (A15), Retro23_6 (A2), Rhynn_2 (A1), RidgeCB_3 (A1),

Rifter_5 (A6), Ringer_2 (A1), Rohr_3 (A1), Roksolana_5 (A6), Rosalind_5 (A15), Rubeus_3 (A1), Rufus_3 (A1), Ruotula_3 (A1), Rutherford_3 (A1), STLscum_4 (A1), Sagefire_4 (A1), Salz_5 (A11), Sandaddy_2 (A1), Sanya_2 (A1), SarFire_3 (A1), Saskia_4 (A11), Scowl_4 (A1), Seabiscuit_3 (A1), Seanderson_4 (A1), SemperFi_6 (A2), Serenity_5 (A2), Sham4_5 (A11), ShayRa_6 (A15), ShortQueendom_2 (A1), Sibs6_4 (A1), SkiPole_4 (A1), Sknot_6 (A2), Slagathor_3 (A1), Smairt_3 (A1), Smeagan_6 (A2), Smeagol_3 (A1), SmellyB_5 (A6), SnapTap_6 (A2), Snape_5 (A11), Snazzy_2 (A1), Solon_2 (A1), Sorpresa_2 (A1), Soups_5 (A15), SpikeBT_3 (A1), Squee_2 (A1), StarStuff_5 (A2), StewieG_2 (A1), StrongArm_2 (A1), Strosahl_5 (A15), Sumter_3 (A1), Sunshine924_2 (A1), SuperAwesome_5 (A6), SuperCallie99_5 (A6), Superchunk_5 (A2), SweetiePie_6 (A2), SwirlSquare_5 (A2), SwissCheese_2 (A1), Switzer_3 (A1), Switzerland_5 (A15), Swole_4 (A1), Tailonex_2 (singleton), Target_3 (A1), Tasp14_3 (A1), Temprado_5 (A6), Teodoridan_2 (A1), Terrific_7 (A2), TheloniousMonk_3 (A1), Thor_3 (A1), Timothy_5 (A11), TinyTimmy_5 (A11), TipsytheTRex_5 (A2), Tomathan_5 (A2), ToneTone_4 (A6), Topgun_3 (A1), Tote_4 (A1), Traft412_5 (A1), Travvers_5 (A2), Treddle_3 (A1), Tripl3t_3 (A1), Trixie_5 (A2), Trouble_2 (A1), Tucker_5 (A6), Turbido_6 (A2), Turj99_2 (A1), TwoPeat_3 (A1), U2_3 (A1), Updawg_6 (A2), VA6_5 (A2), VC3_5 (A2), Violet_3 (A1), VohminGhazi_5 (A6), Waits_5 (A15), Warrior24_5 (A15), Watermelon_4 (A1), WeiHuaDA_6 (A2), Whabigail7_6 (A2), Wheeler_3 (A1), Whispit_4 (A1), WideWale_6 (A2), Wiks_5 (A6), Wilkins_3 (A1), Wolpertinger_4 (A11), WunderPhul_5 (A6), XianYue_5 (A2), Yokurt_5 (A6), Zaka_5 (A6), Zeeculate_2 (A1), Zephyr_2 (A1), Zeuska_2 (A1), Zulu_5 (A6),

Start 55:

- Found in 41 of 1071 (3.8%) of genes in pham
- Manual Annotations of this start: 37 of 965
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Amela_5 (BD3), Asten_5 (BD1), BarryBee_7 (BD1), BryanRecycles_6 (BD1), Celery_7 (BD3), Chucky_5 (BD1), Conan_6 (BD3), Danzina_6 (BD1), Dexers_4 (BD3), Dwayne_5 (BD1), Eddasa_6 (BD1), ElGato_6 (BD3), Emaanora_7 (BD1), EnochSoames_6 (BD1), Hippo_5 (BD1), Izzy_6 (BD1), Jash_6 (BD1), Jhitchelle_4 (BD3), Kaine_5 (BD3), Lorelei_5 (BD1), Nabi_5 (BD1), Nanodon_7 (BD1), Oliynyk_6 (BD1), OzzyJ_6 (BD1), Pavo_6 (BD3), Provolone_6 (BD3), Rana_5 (BD1), Rusticus_6 (BD1), Saftant_5 (BD3), SarahRose_5 (BD1), Snorlax_5 (BD1), Speedwell_6 (BD3), SunkenRoot_7 (BD3), TagePghter_6 (BD1), Triste_5 (BD1), Verabelle_6 (BD3), Verse_5 (BD3), Werner_5 (BD1), Whatever_5 (BD1), Yosif_6 (BD3), ZamZam_5 (BD3),

Start 56:

- Found in 44 of 1071 (4.1%) of genes in pham
- Manual Annotations of this start: 41 of 965
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aaronocolus_5 (BD1), Alsaber_6 (BD3), Arianna_2 (EO), Attoomi_2 (singleton), BeardedLady_6 (BD1), Bovely_5 (BD1), Brataylor_6 (BD1), Caliburn_5 (BD1), Celeste_5 (BD1), Colleen_2 (EO), Dattran_6 (BD1), Ejemplo_5 (BD1), Esperer_5 (BD1), GMA4_1 (singleton), Goby_5 (BD1), Godpower_6 (BD1), Hydra_7 (BD1), Indigo_5 (BD1), Juicebox_2 (singleton), Katalie_6 (BD1), Lannister_6 (BD1), Legacy_5 (BD1), Leviticus_5 (BD1), Lika_5 (BD1), MalagasyRose_6 (AG), Maneekul_5 (BD1), Nerdos_5 (BD1), Nergal_4 (AG), Ozzie_5 (BD1), Phettuccine_5 (BD1), Poushou_2 (EO), RedBear_7 (BD1), South40_6 (BD1), Sudan_5 (BD3), Sujidade_6 (BD1), SunsetPointe_5 (BD1), Toma_5 (BD1), TouchMeNot_2 (EO), TuanPN_5 (BD1), Unstoppable_5 (BD1), Vanseggelen_8 (BD3), Yasdnil_5 (BD1), Zemlya_6 (BD1), phiCAM_05 (BD3),

Start 57:

- Found in 145 of 1071 (13.5%) of genes in pham
- Manual Annotations of this start: 6 of 965
- Called 4.1% of time when present
- Phage (with cluster) where this start called: Farber_2 (A3), JHC117_2 (A3), Lilith_2 (A3), Phoxy_2 (A3), Spike509_2 (A3), Vix_2 (A3),

Start 61:

- Found in 80 of 1071 (7.5%) of genes in pham
- No Manual Annotations of this start.
- Called 5.0% of time when present
- Phage (with cluster) where this start called: Bigflo_2 (A3), Croquant_3 (A3), Lowa_2 (A3), Montavir_1 (A3),

Start 63:

- Found in 50 of 1071 (4.7%) of genes in pham
- Manual Annotations of this start: 3 of 965
- Called 6.0% of time when present
- Phage (with cluster) where this start called: Caviar_2 (A3), Panamaxus_2 (A3), Popcicle_2 (A3),

Start 68:

- Found in 109 of 1071 (10.2%) of genes in pham
- Manual Annotations of this start: 2 of 965
- Called 1.8% of time when present
- Phage (with cluster) where this start called: Alvy_7 (BD2), ELB20_04 (BD2),

Summary by clusters:

There are 31 clusters represented in this pham: singleton, A15, A14, A17, A16, A11, A10, A13, A12, A19, A18, A1, BD4, A3, BD6, BD1, A4, BD3, BD2, A9, A5, A2, EO, A7, AG, CA, A6, A8, A20, A21, A22,

Info for manual annotations of cluster A1:

- Start number 54 was manually annotated 225 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 48 was manually annotated 2 times for cluster A10.
- Start number 50 was manually annotated 15 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 54 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 51 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 50 was manually annotated 2 times for cluster A14.
- Start number 51 was manually annotated 3 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 49 was manually annotated 1 time for cluster A15.
- Start number 54 was manually annotated 23 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 51 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 40 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 50 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 51 was manually annotated 13 times for cluster A2.
- Start number 54 was manually annotated 93 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 50 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 51 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 37 was manually annotated 2 times for cluster A3.
- Start number 47 was manually annotated 20 times for cluster A3.
- Start number 50 was manually annotated 85 times for cluster A3.
- Start number 57 was manually annotated 6 times for cluster A3.
- Start number 63 was manually annotated 3 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 50 was manually annotated 143 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 52 was manually annotated 39 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 54 was manually annotated 48 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 49 was manually annotated 4 times for cluster A7.
- Start number 50 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A8:

- Start number 39 was manually annotated 1 time for cluster A8.
- Start number 51 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 50 was manually annotated 1 time for cluster A9.
- Start number 51 was manually annotated 34 times for cluster A9.

Info for manual annotations of cluster AG:

- Start number 56 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster BD1:

- Start number 55 was manually annotated 24 times for cluster BD1.
- Start number 56 was manually annotated 31 times for cluster BD1.

Info for manual annotations of cluster BD2:

- Start number 45 was manually annotated 1 time for cluster BD2.
- Start number 46 was manually annotated 1 time for cluster BD2.
- Start number 47 was manually annotated 29 times for cluster BD2.
- Start number 68 was manually annotated 2 times for cluster BD2.

Info for manual annotations of cluster BD3:

- Start number 55 was manually annotated 13 times for cluster BD3.
- Start number 56 was manually annotated 2 times for cluster BD3.

Info for manual annotations of cluster BD4:

- Start number 47 was manually annotated 3 times for cluster BD4.

Info for manual annotations of cluster BD6:

- Start number 51 was manually annotated 4 times for cluster BD6.

Info for manual annotations of cluster CA:

- Start number 50 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster EO:

- Start number 56 was manually annotated 4 times for cluster EO.

Gene Information:

Gene: 20ES_5 Start: 2818, Stop: 3288, Start Num: 54

Candidate Starts for 20ES_5:

(Start: 54 @2818 has 413 MA's), (65, 2902), (76, 2938), (82, 2977), (84, 3007), (100, 3103), (101, 3112), (111, 3136), (123, 3235), (126, 3244),

Gene: 40AC_6 Start: 2633, Stop: 3097, Start Num: 54

Candidate Starts for 40AC_6:

(Start: 54 @2633 has 413 MA's), (65, 2717), (69, 2729), (76, 2753), (82, 2792), (84, 2822), (87, 2861), (90, 2873), (100, 2918), (101, 2927), (111, 2951), (115, 2969), (126, 3059),

Gene: A6_02 Start: 1099, Stop: 1539, Start Num: 54

Candidate Starts for A6_02:

(Start: 54 @1099 has 413 MA's), (69, 1198), (102, 1372), (111, 1393), (118, 1447), (120, 1483), (124, 1492),

Gene: ACFishhook_2 Start: 860, Stop: 1279, Start Num: 50

Candidate Starts for ACFishhook_2:

(Start: 47 @854 has 52 MA's), (Start: 50 @860 has 285 MA's), (Start: 57 @878 has 6 MA's), (102, 1130), (111, 1151), (123, 1241),

Gene: AFIS_3 Start: 1174, Stop: 1614, Start Num: 54

Candidate Starts for AFIS_3:

(Start: 54 @1174 has 413 MA's), (69, 1273), (102, 1447), (111, 1468), (118, 1522), (120, 1558), (124, 1567),

Gene: AN3_5 Start: 2800, Stop: 3270, Start Num: 54

Candidate Starts for AN3_5:

(Start: 54 @2800 has 413 MA's), (65, 2884), (76, 2920), (82, 2959), (84, 2989), (100, 3085), (101, 3094), (111, 3118), (123, 3217), (126, 3226),

Gene: AN9_5 Start: 2676, Stop: 3143, Start Num: 54

Candidate Starts for AN9_5:

(Start: 47 @2670 has 52 MA's), (Start: 54 @2676 has 413 MA's), (65, 2760), (69, 2772), (80, 2826), (82, 2835), (101, 2970), (111, 2994), (116, 3036), (119, 3084), (126, 3102),

Gene: ANI8_5 Start: 2676, Stop: 3143, Start Num: 54

Candidate Starts for ANI8_5:

(Start: 47 @2670 has 52 MA's), (Start: 54 @2676 has 413 MA's), (65, 2760), (69, 2772), (80, 2826), (82, 2835), (101, 2970), (111, 2994), (116, 3036), (119, 3084), (126, 3102),

Gene: Aaronocolus_5 Start: 1956, Stop: 2381, Start Num: 56

Candidate Starts for Aaronocolus_5:

(Start: 47 @1947 has 52 MA's), (Start: 56 @1956 has 41 MA's), (67, 2043), (Start: 68 @2046 has 2 MA's), (89, 2178), (102, 2226),

Gene: AbbyPaige_6 Start: 2874, Stop: 3344, Start Num: 54

Candidate Starts for AbbyPaige_6:

(Start: 54 @2874 has 413 MA's), (65, 2958), (69, 2970), (76, 2994), (82, 3033), (84, 3063), (100, 3159), (101, 3168), (111, 3192), (123, 3291), (126, 3300),

Gene: AbbysRanger_2 Start: 807, Stop: 1235, Start Num: 50

Candidate Starts for AbbysRanger_2:

(Start: 50 @807 has 285 MA's), (65, 891), (69, 903), (82, 954), (87, 1023), (111, 1098), (112, 1101), (115, 1116), (116, 1140), (123, 1188), (126, 1197), (129, 1212),

Gene: Abbysshoes_3 Start: 1089, Stop: 1523, Start Num: 54

Candidate Starts for Abbysshoes_3:

(Start: 54 @1089 has 413 MA's), (69, 1182), (101, 1353), (102, 1356), (108, 1368), (111, 1377), (118, 1431), (120, 1467), (124, 1476),

Gene: Abdiel_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Abdiel_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Abrogate_30 Start: 1659, Stop: 2093, Start Num: 54

Candidate Starts for Abrogate_30:

(Start: 54 @1659 has 413 MA's), (69, 1752), (102, 1926), (111, 1947), (118, 2001), (120, 2037), (124, 2046),

Gene: Achebe_2 Start: 807, Stop: 1235, Start Num: 50

Candidate Starts for Achebe_2:

(Start: 50 @807 has 285 MA's), (65, 891), (69, 903), (82, 954), (87, 1023), (111, 1098), (112, 1101), (115, 1116), (116, 1140), (123, 1188), (126, 1197), (129, 1212),

Gene: Acme_4 Start: 1246, Stop: 1686, Start Num: 54

Candidate Starts for Acme_4:

(Start: 54 @1246 has 413 MA's), (69, 1345), (102, 1519), (111, 1540), (118, 1594), (120, 1630), (124, 1639),

Gene: Acolyte_5 Start: 2456, Stop: 2932, Start Num: 51

Candidate Starts for Acolyte_5:

(21, 2303), (28, 2342), (Start: 51 @2456 has 74 MA's), (65, 2543), (76, 2579), (82, 2618), (100, 2744), (101, 2753), (111, 2777), (123, 2876), (126, 2885),

Gene: Adahisdi_3 Start: 1132, Stop: 1566, Start Num: 54

Candidate Starts for Adahisdi_3:

(Start: 54 @1132 has 413 MA's), (69, 1225), (102, 1399), (111, 1420), (118, 1474), (120, 1510), (124, 1519),

Gene: Adzzy_5 Start: 2493, Stop: 2957, Start Num: 54

Candidate Starts for Adzzy_5:

(Start: 54 @2493 has 413 MA's), (Start: 57 @2511 has 6 MA's), (65, 2577), (69, 2589), (76, 2613), (82, 2652), (101, 2787), (111, 2811), (112, 2814), (119, 2904), (123, 2913), (126, 2922),

Gene: Aeneas_2 Start: 926, Stop: 1360, Start Num: 54

Candidate Starts for Aeneas_2:

(Start: 54 @926 has 413 MA's), (Start: 57 @938 has 6 MA's), (69, 1019), (101, 1190), (102, 1193), (108, 1205), (111, 1214), (118, 1268), (120, 1304), (124, 1313),

Gene: Agaliana_3 Start: 1166, Stop: 1606, Start Num: 54

Candidate Starts for Agaliana_3:

(Start: 54 @1166 has 413 MA's), (69, 1265), (102, 1439), (111, 1460), (118, 1514), (120, 1550), (124, 1559),

Gene: Agape74_6 Start: 2874, Stop: 3344, Start Num: 54

Candidate Starts for Agape74_6:

(Start: 54 @2874 has 413 MA's), (65, 2958), (69, 2970), (76, 2994), (82, 3033), (84, 3063), (100, 3159), (101, 3168), (111, 3192), (123, 3291), (126, 3300),

Gene: AgentM_2 Start: 841, Stop: 1290, Start Num: 52

Candidate Starts for AgentM_2:

(11, 625), (14, 640), (15, 643), (17, 658), (18, 664), (21, 688), (44, 811), (Start: 52 @841 has 39 MA's), (69, 934), (71, 940), (76, 958), (83, 1009), (101, 1132), (111, 1156), (114, 1171),

Gene: Aglet_2 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for Aglet_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: AgronaGT15_2 Start: 851, Stop: 1276, Start Num: 47

Candidate Starts for AgronaGT15_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: Airmid_2 Start: 839, Stop: 1288, Start Num: 52

Candidate Starts for Airmid_2:

(3, 578), (11, 623), (14, 638), (17, 656), (30, 734), (44, 809), (Start: 52 @839 has 39 MA's), (71, 938), (83, 1007), (101, 1130), (111, 1154), (114, 1169),

Gene: Ajay_3 Start: 1128, Stop: 1562, Start Num: 54

Candidate Starts for Ajay_3:

(Start: 54 @1128 has 413 MA's), (69, 1221), (102, 1395), (111, 1416), (118, 1470), (120, 1506), (124, 1515),

Gene: Alatin_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Alatin_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Albee_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Albee_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (126, 1193), (129, 1208),

Gene: Alberto7_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Alberto7_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Aldrich_3 Start: 1081, Stop: 1515, Start Num: 54

Candidate Starts for Aldrich_3:

(Start: 54 @1081 has 413 MA's), (69, 1174), (102, 1348), (111, 1369), (118, 1423), (120, 1459), (124, 1468),

Gene: Aliter_5 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for Aliter_5:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: Alma_5 Start: 2667, Stop: 3140, Start Num: 51

Candidate Starts for Alma_5:

(17, 2481), (30, 2559), (Start: 51 @2667 has 74 MA's), (60, 2724), (74, 2781), (82, 2829), (84, 2859), (101, 2964), (111, 2988), (119, 3078), (123, 3087), (126, 3096),

Gene: Alpacados_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Alpacados_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Alsaber_6 Start: 2072, Stop: 2500, Start Num: 56

Candidate Starts for Alsaber_6:

(Start: 47 @2063 has 52 MA's), (Start: 56 @2072 has 41 MA's), (Start: 68 @2162 has 2 MA's), (73, 2177), (102, 2342), (115, 2381), (121, 2453), (122, 2456),

Gene: Alsfro_4 Start: 1268, Stop: 1702, Start Num: 54

Candidate Starts for Alsfro_4:

(Start: 54 @1268 has 413 MA's), (69, 1361), (102, 1535), (111, 1556), (118, 1610), (120, 1646), (124, 1655),

Gene: Altman_4 Start: 1628, Stop: 2062, Start Num: 54
Candidate Starts for Altman_4:
(Start: 54 @1628 has 413 MA's), (69, 1721), (102, 1895), (111, 1916), (118, 1970), (120, 2006), (124, 2015),

Gene: Alvin_4 Start: 1544, Stop: 1978, Start Num: 54
Candidate Starts for Alvin_4:
(Start: 54 @1544 has 413 MA's), (Start: 57 @1556 has 6 MA's), (69, 1637), (102, 1811), (111, 1832), (118, 1886), (120, 1922), (124, 1931),

Gene: Alvy_7 Start: 1993, Stop: 2328, Start Num: 68
Candidate Starts for Alvy_7:
(Start: 47 @1897 has 52 MA's), (Start: 68 @1993 has 2 MA's), (71, 2002), (89, 2125), (102, 2173), (115, 2212), (116, 2236), (130, 2320),

Gene: Amela_5 Start: 2131, Stop: 2559, Start Num: 55
Candidate Starts for Amela_5:
(Start: 55 @2131 has 37 MA's), (64, 2206), (Start: 68 @2221 has 2 MA's), (102, 2401), (121, 2512), (122, 2515),

Gene: Amethyst_5 Start: 1696, Stop: 2130, Start Num: 47
Candidate Starts for Amethyst_5:
(Start: 47 @1696 has 52 MA's), (Start: 68 @1792 has 2 MA's), (102, 1972), (115, 2011), (116, 2035),

Gene: Anaysia_5 Start: 2610, Stop: 3065, Start Num: 54
Candidate Starts for Anaysia_5:
(5, 2364), (6, 2370), (Start: 47 @2604 has 52 MA's), (Start: 54 @2610 has 413 MA's), (82, 2769), (101, 2904), (111, 2928), (112, 2931), (123, 3027),

Gene: Andris_5 Start: 1727, Stop: 2158, Start Num: 47
Candidate Starts for Andris_5:
(Start: 47 @1727 has 52 MA's), (Start: 68 @1823 has 2 MA's), (71, 1832), (89, 1955), (102, 2003), (115, 2042), (116, 2066), (130, 2150),

Gene: Aneem_5 Start: 2689, Stop: 3153, Start Num: 54
Candidate Starts for Aneem_5:
(Start: 54 @2689 has 413 MA's), (65, 2773), (101, 2983), (111, 3007), (123, 3106), (126, 3115),

Gene: Anglerfish_3 Start: 1078, Stop: 1518, Start Num: 54
Candidate Starts for Anglerfish_3:
(Start: 54 @1078 has 413 MA's), (69, 1177), (102, 1351), (111, 1372), (118, 1426), (120, 1462), (124, 1471),

Gene: AngryOrchard_3 Start: 1010, Stop: 1432, Start Num: 50
Candidate Starts for AngryOrchard_3:
(43, 980), (Start: 50 @1010 has 285 MA's), (74, 1121), (79, 1145), (82, 1157), (108, 1292), (119, 1382), (126, 1400), (129, 1415),

Gene: Animus_6 Start: 2074, Stop: 2505, Start Num: 47
Candidate Starts for Animus_6:
(Start: 47 @2074 has 52 MA's), (Start: 68 @2170 has 2 MA's), (71, 2179), (89, 2302), (102, 2350), (115, 2389), (116, 2413), (130, 2497),

Gene: AnnaL29_5 Start: 2613, Stop: 3083, Start Num: 54

Candidate Starts for AnnaL29_5:

(9, 2382), (25, 2475), (Start: 54 @2613 has 413 MA's), (65, 2697), (69, 2709), (82, 2772), (84, 2802), (87, 2841), (90, 2853), (100, 2898), (101, 2907), (111, 2931), (123, 3030), (126, 3039),

Gene: Annyong_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Annyong_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Anon_5 Start: 2514, Stop: 2975, Start Num: 49

Candidate Starts for Anon_5:

(Start: 47 @2508 has 52 MA's), (Start: 49 @2514 has 5 MA's), (Start: 63 @2595 has 3 MA's), (74, 2628), (101, 2811), (112, 2838), (119, 2925),

Gene: Anselm_6 Start: 3009, Stop: 3479, Start Num: 54

Candidate Starts for Anselm_6:

(9, 2778), (25, 2871), (Start: 54 @3009 has 413 MA's), (65, 3093), (69, 3105), (76, 3129), (82, 3168), (84, 3198), (92, 3264), (100, 3294), (101, 3303), (111, 3327), (121, 3420), (123, 3426), (126, 3435),

Gene: Anthony_2 Start: 738, Stop: 1157, Start Num: 50

Candidate Starts for Anthony_2:

(Start: 50 @738 has 285 MA's), (61, 801), (83, 897), (108, 1020), (114, 1044), (116, 1071), (126, 1128),

Gene: Anubis_4 Start: 850, Stop: 1275, Start Num: 47

Candidate Starts for Anubis_4:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: AppleCloud_2 Start: 810, Stop: 1232, Start Num: 50

Candidate Starts for AppleCloud_2:

(Start: 50 @810 has 285 MA's), (74, 921), (79, 945), (82, 957), (108, 1092), (119, 1182), (126, 1200), (129, 1215),

Gene: Applejack_3 Start: 1129, Stop: 1569, Start Num: 54

Candidate Starts for Applejack_3:

(Start: 54 @1129 has 413 MA's), (69, 1228), (102, 1402), (111, 1423), (118, 1477), (120, 1513), (124, 1522),

Gene: Aragog_2 Start: 871, Stop: 1320, Start Num: 52

Candidate Starts for Aragog_2:

(11, 655), (14, 670), (15, 673), (17, 688), (18, 694), (21, 718), (44, 841), (Start: 52 @871 has 39 MA's), (69, 964), (71, 970), (76, 988), (83, 1039), (101, 1162), (111, 1186), (114, 1201),

Gene: Arcanine_3 Start: 1081, Stop: 1521, Start Num: 54

Candidate Starts for Arcanine_3:

(Start: 54 @1081 has 413 MA's), (69, 1180), (102, 1354), (111, 1375), (118, 1429), (120, 1465), (124, 1474),

Gene: ArcherNM_5 Start: 2626, Stop: 3096, Start Num: 54

Candidate Starts for ArcherNM_5:

(Start: 47 @2620 has 52 MA's), (Start: 54 @2626 has 413 MA's), (65, 2710), (76, 2746), (82, 2785), (84, 2815), (100, 2911), (101, 2920), (111, 2944), (121, 3037), (123, 3043), (126, 3052),

Gene: Archetta_2 Start: 871, Stop: 1320, Start Num: 52

Candidate Starts for Archetta_2:

(11, 655), (14, 670), (15, 673), (17, 688), (18, 694), (21, 718), (44, 841), (Start: 52 @871 has 39 MA's), (69, 964), (71, 970), (76, 988), (83, 1039), (101, 1162), (111, 1186), (114, 1201),

Gene: Arianna_2 Start: 799, Stop: 1230, Start Num: 56

Candidate Starts for Arianna_2:

(Start: 56 @799 has 41 MA's), (72, 895), (94, 1039), (103, 1069), (105, 1072), (107, 1078), (114, 1105), (129, 1216),

Gene: Arissanae_5 Start: 2454, Stop: 2927, Start Num: 51

Candidate Starts for Arissanae_5:

(Start: 51 @2454 has 74 MA's), (69, 2553), (82, 2616), (100, 2742), (101, 2751), (111, 2775), (123, 2874),

Gene: Arlo_3 Start: 1078, Stop: 1518, Start Num: 54

Candidate Starts for Arlo_3:

(Start: 54 @1078 has 413 MA's), (69, 1177), (102, 1351), (111, 1372), (118, 1426), (120, 1462), (124, 1471),

Gene: Artemis2UCLA_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Artemis2UCLA_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Arturo_1 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Arturo_1:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Ashballer_2 Start: 929, Stop: 1363, Start Num: 54

Candidate Starts for Ashballer_2:

(Start: 54 @929 has 413 MA's), (69, 1022), (102, 1196), (111, 1217), (118, 1271), (120, 1307), (124, 1316),

Gene: Asten_5 Start: 1930, Stop: 2355, Start Num: 55

Candidate Starts for Asten_5:

(Start: 55 @1930 has 37 MA's), (Start: 68 @2020 has 2 MA's), (83, 2089), (102, 2200),

Gene: Astro_2 Start: 834, Stop: 1262, Start Num: 51

Candidate Starts for Astro_2:

(Start: 39 @795 has 1 MA's), (Start: 51 @834 has 74 MA's), (83, 993), (89, 1056), (101, 1104),

Gene: Atkinbua_3 Start: 1125, Stop: 1565, Start Num: 54

Candidate Starts for Atkinbua_3:

(Start: 54 @1125 has 413 MA's), (69, 1224), (101, 1395), (102, 1398), (108, 1410), (111, 1419), (118, 1473), (120, 1509), (124, 1518),

Gene: Attoomi_2 Start: 459, Stop: 884, Start Num: 56

Candidate Starts for Attoomi_2:

(Start: 56 @459 has 41 MA's), (Start: 57 @471 has 6 MA's), (64, 525), (65, 528), (86, 666), (87, 672), (91, 684), (102, 723), (109, 738), (112, 747), (117, 792), (121, 843), (125, 852),

Gene: AugsMagnumOpus_4 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for AugsMagnumOpus_4:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: AvatarAhPeg_2 Start: 800, Stop: 1228, Start Num: 50

Candidate Starts for AvatarAhPeg_2:

(Start: 50 @800 has 285 MA's), (65, 884), (69, 896), (82, 947), (87, 1016), (111, 1091), (112, 1094), (115, 1109), (116, 1133), (119, 1172), (123, 1181), (126, 1190), (129, 1205),

Gene: Avle17_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Avle17_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Axiom_6 Start: 1726, Stop: 2157, Start Num: 47

Candidate Starts for Axiom_6:

(Start: 47 @1726 has 52 MA's), (Start: 68 @1822 has 2 MA's), (91, 1963), (102, 2002), (116, 2065), (128, 2140),

Gene: Ayanochan_6 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for Ayanochan_6:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: B1_01 Start: 758, Stop: 1186, Start Num: 50

Candidate Starts for B1_01:

(Start: 50 @758 has 285 MA's), (61, 821), (Start: 63 @836 has 3 MA's), (99, 1016), (102, 1028), (111, 1049), (116, 1091), (119, 1130), (126, 1148),

Gene: BABullseye_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for BABullseye_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: BK1_02 Start: 1099, Stop: 1539, Start Num: 54

Candidate Starts for BK1_02:

(Start: 54 @1099 has 413 MA's), (69, 1198), (102, 1372), (111, 1393), (118, 1447), (120, 1483), (124, 1492),

Gene: BPBiabs31_3 Start: 1163, Stop: 1597, Start Num: 54

Candidate Starts for BPBiabs31_3:

(Start: 54 @1163 has 413 MA's), (69, 1256), (102, 1430), (111, 1451), (118, 1505), (120, 1541), (124, 1550),

Gene: Baby16_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Baby16_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: BabyBack_5 Start: 2435, Stop: 2908, Start Num: 54

Candidate Starts for BabyBack_5:

(Start: 54 @2435 has 413 MA's), (65, 2519), (76, 2555), (82, 2594), (84, 2624), (87, 2663), (90, 2675), (100, 2720), (101, 2729), (111, 2753), (115, 2771), (126, 2864),

Gene: BabyJohn_1 Start: 774, Stop: 1205, Start Num: 50

Candidate Starts for BabyJohn_1:

(Start: 50 @774 has 285 MA's), (Start: 63 @852 has 3 MA's), (99, 1032), (102, 1044), (111, 1065), (116, 1107), (119, 1146), (126, 1164),

Gene: BabyRay_2 Start: 797, Stop: 1225, Start Num: 50

Candidate Starts for BabyRay_2:

(Start: 50 @797 has 285 MA's), (Start: 63 @875 has 3 MA's), (99, 1055), (108, 1079), (111, 1088), (116, 1130), (119, 1169), (126, 1187),

Gene: Bachome_5 Start: 2686, Stop: 3150, Start Num: 54

Candidate Starts for Bachome_5:

(Start: 54 @2686 has 413 MA's), (65, 2770), (69, 2782), (101, 2980), (111, 3004), (123, 3103), (126, 3112),

Gene: Backyardigan_2 Start: 807, Stop: 1235, Start Num: 50

Candidate Starts for Backyardigan_2:

(Start: 50 @807 has 285 MA's), (65, 891), (69, 903), (82, 954), (87, 1023), (111, 1098), (112, 1101), (115, 1116), (116, 1140), (123, 1188), (126, 1197), (129, 1212),

Gene: BaconJack_3 Start: 1081, Stop: 1515, Start Num: 54

Candidate Starts for BaconJack_3:

(Start: 54 @1081 has 413 MA's), (Start: 57 @1093 has 6 MA's), (69, 1174), (102, 1348), (111, 1369), (118, 1423), (120, 1459), (124, 1468),

Gene: Bactobuster_5 Start: 2445, Stop: 2915, Start Num: 51

Candidate Starts for Bactobuster_5:

(Start: 51 @2445 has 74 MA's), (64, 2529), (70, 2547), (74, 2559), (82, 2607), (98, 2721), (101, 2742), (111, 2766), (126, 2874),

Gene: Badger_2 Start: 808, Stop: 1236, Start Num: 50

Candidate Starts for Badger_2:

(Start: 50 @808 has 285 MA's), (65, 892), (69, 904), (82, 955), (87, 1024), (111, 1099), (112, 1102), (115, 1117), (116, 1141), (123, 1189), (126, 1198), (129, 1213),

Gene: Baehexic_6 Start: 2960, Stop: 3430, Start Num: 54

Candidate Starts for Baehexic_6:

(Start: 54 @2960 has 413 MA's), (65, 3044), (69, 3056), (76, 3080), (82, 3119), (84, 3149), (100, 3245), (101, 3254), (111, 3278), (123, 3377), (126, 3386),

Gene: BangNhom_1 Start: 800, Stop: 1231, Start Num: 50

Candidate Starts for BangNhom_1:

(Start: 50 @800 has 285 MA's), (69, 896), (82, 947), (87, 1016), (111, 1091), (112, 1094), (115, 1109), (116, 1133), (126, 1190), (129, 1205),

Gene: Barriga_3 Start: 1080, Stop: 1520, Start Num: 54

Candidate Starts for Barriga_3:

(Start: 54 @1080 has 413 MA's), (69, 1179), (102, 1353), (111, 1374), (118, 1428), (120, 1464), (124, 1473),

Gene: BarrowTuph_2 Start: 929, Stop: 1363, Start Num: 54

Candidate Starts for BarrowTuph_2:

(Start: 54 @929 has 413 MA's), (Start: 57 @941 has 6 MA's), (69, 1022), (102, 1196), (111, 1217), (118, 1271), (120, 1307), (124, 1316),

Gene: BarryBee_7 Start: 1930, Stop: 2355, Start Num: 55

Candidate Starts for BarryBee_7:

(23, 1780), (Start: 55 @1930 has 37 MA's), (Start: 68 @2020 has 2 MA's), (83, 2089), (102, 2200),

Gene: BartholomewSD_7 Start: 1897, Stop: 2328, Start Num: 47

Candidate Starts for BartholomewSD_7:

(Start: 47 @1897 has 52 MA's), (Start: 68 @1993 has 2 MA's), (71, 2002), (89, 2125), (102, 2173), (115, 2212), (116, 2236), (130, 2320),

Gene: Bartimeaus_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Bartimeaus_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Battleship_6 Start: 2757, Stop: 3212, Start Num: 54

Candidate Starts for Battleship_6:

(5, 2511), (6, 2517), (Start: 47 @2751 has 52 MA's), (Start: 54 @2757 has 413 MA's), (82, 2916), (101, 3051), (111, 3075), (112, 3078), (123, 3174),

Gene: BeardedLady_6 Start: 2203, Stop: 2628, Start Num: 56

Candidate Starts for BeardedLady_6:

(Start: 47 @2194 has 52 MA's), (Start: 56 @2203 has 41 MA's), (67, 2290), (Start: 68 @2293 has 2 MA's), (102, 2473),

Gene: Beatrix_2 Start: 930, Stop: 1370, Start Num: 54

Candidate Starts for Beatrix_2:

(Start: 54 @930 has 413 MA's), (69, 1029), (102, 1203), (111, 1224), (118, 1278), (120, 1314), (124, 1323),

Gene: Beauxregard13_2 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for Beauxregard13_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Beemo_5 Start: 2670, Stop: 3143, Start Num: 51

Candidate Starts for Beemo_5:

(17, 2484), (30, 2562), (Start: 51 @2670 has 74 MA's), (60, 2727), (74, 2784), (82, 2832), (84, 2862), (101, 2967), (111, 2991), (123, 3090), (126, 3099),

Gene: BeesKnees_3 Start: 1082, Stop: 1516, Start Num: 54

Candidate Starts for BeesKnees_3:

(Start: 54 @1082 has 413 MA's), (69, 1175), (102, 1349), (111, 1370), (118, 1424), (120, 1460), (124, 1469),

Gene: Belenaria_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Belenaria_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Bellris_4 Start: 2435, Stop: 2908, Start Num: 51

Candidate Starts for Bellris_4:

(Start: 51 @2435 has 74 MA's), (69, 2534), (82, 2597), (100, 2723), (101, 2732), (111, 2756), (123, 2855),

Gene: BellusTerra_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for BellusTerra_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Benedict_2 Start: 841, Stop: 1290, Start Num: 52

Candidate Starts for Benedict_2:

(Start: 52 @841 has 39 MA's), (71, 940), (83, 1009), (101, 1132), (111, 1156), (114, 1171),

Gene: BengiVuitton_5 Start: 2660, Stop: 3130, Start Num: 54

Candidate Starts for BengiVuitton_5:

(9, 2429), (25, 2522), (Start: 54 @2660 has 413 MA's), (65, 2744), (76, 2780), (82, 2819), (84, 2849), (100, 2945), (101, 2954), (111, 2978), (121, 3071), (123, 3077), (126, 3086),

Gene: BennyP_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for BennyP_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Benvolio_6 Start: 3007, Stop: 3477, Start Num: 54

Candidate Starts for Benvolio_6:

(9, 2776), (25, 2869), (Start: 54 @3007 has 413 MA's), (65, 3091), (76, 3127), (82, 3166), (84, 3196), (100, 3292), (101, 3301), (111, 3325), (121, 3418), (123, 3424), (126, 3433),

Gene: Bethlehem_3 Start: 1079, Stop: 1513, Start Num: 54

Candidate Starts for Bethlehem_3:

(Start: 54 @1079 has 413 MA's), (69, 1172), (102, 1346), (111, 1367), (118, 1421), (120, 1457), (124, 1466),

Gene: Bexan_2 Start: 930, Stop: 1370, Start Num: 54

Candidate Starts for Bexan_2:

(Start: 54 @930 has 413 MA's), (69, 1029), (102, 1203), (111, 1224), (118, 1278), (120, 1314), (124, 1323),

Gene: BiancaTri92_5 Start: 2652, Stop: 3125, Start Num: 51

Candidate Starts for BiancaTri92_5:

(Start: 51 @2652 has 74 MA's), (65, 2739), (76, 2775), (82, 2814), (100, 2940), (101, 2949), (111, 2973), (121, 3066), (123, 3072), (126, 3081),

Gene: Big3_3 Start: 1094, Stop: 1534, Start Num: 54

Candidate Starts for Big3_3:

(38, 1055), (Start: 54 @1094 has 413 MA's), (69, 1193), (102, 1367), (111, 1388), (118, 1442), (120, 1478), (124, 1487),

Gene: BigMau_4 Start: 1079, Stop: 1519, Start Num: 54

Candidate Starts for BigMau_4:

(Start: 54 @1079 has 413 MA's), (69, 1178), (102, 1352), (111, 1373), (118, 1427), (120, 1463), (124, 1472),

Gene: BigPaolini_4 Start: 1637, Stop: 2077, Start Num: 54

Candidate Starts for BigPaolini_4:

(16, 1448), (29, 1526), (35, 1583), (36, 1586), (Start: 54 @1637 has 413 MA's), (69, 1736), (102, 1910), (111, 1931), (118, 1985), (120, 2021), (124, 2030),

Gene: Bigchungj_2 Start: 928, Stop: 1368, Start Num: 54

Candidate Starts for Bigchungj_2:

(Start: 54 @928 has 413 MA's), (69, 1027), (101, 1198), (102, 1201), (108, 1213), (111, 1222), (118, 1276), (120, 1312), (124, 1321),

Gene: Bigflo_2 Start: 919, Stop: 1275, Start Num: 61

Candidate Starts for Bigflo_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Bigfoot_2 Start: 930, Stop: 1370, Start Num: 54

Candidate Starts for Bigfoot_2:

(Start: 54 @930 has 413 MA's), (69, 1029), (102, 1203), (111, 1224), (118, 1278), (120, 1314), (124, 1323),

Gene: BillKnuckles_3 Start: 1080, Stop: 1520, Start Num: 54

Candidate Starts for BillKnuckles_3:

(Start: 54 @1080 has 413 MA's), (69, 1179), (101, 1350), (102, 1353), (108, 1365), (111, 1374), (118, 1428), (120, 1464), (124, 1473),

Gene: Bircsak_3 Start: 1166, Stop: 1606, Start Num: 54

Candidate Starts for Bircsak_3:

(Start: 54 @1166 has 413 MA's), (69, 1265), (102, 1439), (111, 1460), (118, 1514), (120, 1550), (124, 1559),

Gene: Blackflame_3 Start: 1048, Stop: 1482, Start Num: 54

Candidate Starts for Blackflame_3:

(Start: 54 @1048 has 413 MA's), (69, 1141), (101, 1312), (102, 1315), (108, 1327), (111, 1336), (118, 1390), (120, 1426), (124, 1435),

Gene: Blackmoor_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Blackmoor_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: BlessJoy_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for BlessJoy_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Blesser_2 Start: 928, Stop: 1362, Start Num: 54

Candidate Starts for Blesser_2:

(Start: 54 @928 has 413 MA's), (69, 1021), (102, 1195), (111, 1216), (118, 1270), (120, 1306), (124, 1315),

Gene: Blinn1_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Blinn1_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: BluSpix_2 Start: 928, Stop: 1362, Start Num: 54

Candidate Starts for BluSpix_2:

(Start: 54 @928 has 413 MA's), (69, 1021), (101, 1192), (102, 1195), (108, 1207), (111, 1216), (118, 1270), (120, 1306), (124, 1315),

Gene: Blue_4 Start: 1563, Stop: 1997, Start Num: 54

Candidate Starts for Blue_4:

(Start: 54 @1563 has 413 MA's), (69, 1656), (102, 1830), (111, 1851), (118, 1905), (120, 1941), (124, 1950),

Gene: Blue7_5 Start: 2471, Stop: 2941, Start Num: 54

Candidate Starts for Blue7_5:

(Start: 54 @2471 has 413 MA's), (65, 2558), (82, 2633), (84, 2663), (98, 2747), (101, 2768), (111, 2792), (115, 2810),

Gene: BlueBird_2 Start: 759, Stop: 1187, Start Num: 50

Candidate Starts for BlueBird_2:

(Start: 50 @759 has 285 MA's), (Start: 63 @837 has 3 MA's), (108, 1041), (111, 1050), (116, 1092), (119, 1131), (126, 1149),

Gene: Bluefalcon_1 Start: 838, Stop: 1287, Start Num: 52

Candidate Starts for Bluefalcon_1:

(11, 622), (14, 637), (17, 655), (21, 685), (44, 808), (Start: 52 @838 has 39 MA's), (69, 931), (71, 937), (76, 955), (83, 1006), (101, 1129), (111, 1153), (114, 1168),

Gene: Bob3_3 Start: 1079, Stop: 1519, Start Num: 54

Candidate Starts for Bob3_3:

(Start: 54 @1079 has 413 MA's), (69, 1178), (102, 1352), (111, 1373), (118, 1427), (120, 1463), (124, 1472),

Gene: BobSwaget_6 Start: 2871, Stop: 3341, Start Num: 54

Candidate Starts for BobSwaget_6:

(Start: 47 @2865 has 52 MA's), (Start: 54 @2871 has 413 MA's), (69, 2967), (76, 2991), (82, 3030), (101, 3165), (111, 3189), (121, 3282), (123, 3288), (126, 3297),

Gene: BobbyDazzler_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for BobbyDazzler_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: BogosyJay_5 Start: 2435, Stop: 2908, Start Num: 51

Candidate Starts for BogosyJay_5:

(Start: 51 @2435 has 74 MA's), (69, 2534), (82, 2597), (100, 2723), (101, 2732), (111, 2756), (123, 2855),

Gene: Bombshell_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Bombshell_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Bonamassa_2 Start: 872, Stop: 1321, Start Num: 52

Candidate Starts for Bonamassa_2:

(11, 656), (14, 671), (15, 674), (17, 689), (18, 695), (21, 719), (44, 842), (Start: 52 @872 has 39 MA's), (69, 965), (71, 971), (76, 989), (83, 1040), (101, 1163), (111, 1187), (114, 1202),

Gene: Bonanza_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Bonanza_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Bones_3 Start: 1130, Stop: 1564, Start Num: 54

Candidate Starts for Bones_3:

(Start: 54 @1130 has 413 MA's), (69, 1223), (102, 1397), (111, 1418), (118, 1472), (120, 1508), (124, 1517),

Gene: Boohoo_5 Start: 2610, Stop: 3065, Start Num: 54

Candidate Starts for Boohoo_5:

(5, 2364), (6, 2370), (Start: 47 @2604 has 52 MA's), (Start: 54 @2610 has 413 MA's), (82, 2769), (101, 2904), (111, 2928), (112, 2931), (123, 3027),

Gene: Bovely_5 Start: 1962, Stop: 2387, Start Num: 56

Candidate Starts for Bovely_5:

(8, 1722), (Start: 47 @1953 has 52 MA's), (Start: 56 @1962 has 41 MA's), (67, 2049), (Start: 68 @2052 has 2 MA's), (89, 2184), (102, 2232),

Gene: Bowden_6 Start: 1799, Stop: 2230, Start Num: 47

Candidate Starts for Bowden_6:

(Start: 47 @1799 has 52 MA's), (Start: 68 @1895 has 2 MA's), (71, 1904), (89, 2027), (102, 2075), (115, 2114), (116, 2138), (130, 2222),

Gene: Bowtie_5 Start: 2689, Stop: 3153, Start Num: 54

Candidate Starts for Bowtie_5:

(Start: 54 @2689 has 413 MA's), (65, 2773), (101, 2983), (111, 3007), (123, 3106), (126, 3115),

Gene: Bradman_5 Start: 2661, Stop: 3128, Start Num: 54

Candidate Starts for Bradman_5:

(Start: 54 @2661 has 413 MA's), (65, 2745), (69, 2757), (74, 2772), (82, 2820), (84, 2850), (85, 2880), (100, 2946), (101, 2955), (111, 2979), (126, 3087),

Gene: Bradshaw_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Bradshaw_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Brataylor_6 Start: 1933, Stop: 2358, Start Num: 56

Candidate Starts for Brataylor_6:

(Start: 47 @1924 has 52 MA's), (Start: 56 @1933 has 41 MA's), (Start: 68 @2023 has 2 MA's), (83, 2092), (102, 2203),

Gene: BreSam8_2 Start: 857, Stop: 1276, Start Num: 50

Candidate Starts for BreSam8_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: Briton15_3 Start: 1079, Stop: 1513, Start Num: 54

Candidate Starts for Briton15_3:

(Start: 54 @1079 has 413 MA's), (69, 1172), (102, 1346), (111, 1367), (118, 1421), (120, 1457), (124, 1466),

Gene: BroPlease_5 Start: 1941, Stop: 2375, Start Num: 47

Candidate Starts for BroPlease_5:

(Start: 47 @1941 has 52 MA's), (64, 2022), (Start: 68 @2037 has 2 MA's), (91, 2178), (102, 2217), (116, 2280),

Gene: Broseidon_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Broseidon_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Bruiser_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Bruiser_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Bruns_2 Start: 927, Stop: 1361, Start Num: 54

Candidate Starts for Bruns_2:

(Start: 54 @927 has 413 MA's), (69, 1020), (102, 1194), (111, 1215), (118, 1269), (120, 1305), (124, 1314),

Gene: BryanRecycles_6 Start: 2116, Stop: 2541, Start Num: 55

Candidate Starts for BryanRecycles_6:

(33, 2032), (41, 2080), (Start: 55 @2116 has 37 MA's), (67, 2203), (Start: 68 @2206 has 2 MA's), (102, 2386),

Gene: Bryce_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Bryce_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: BubbleTrouble_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for BubbleTrouble_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Bud_5 Start: 2695, Stop: 3159, Start Num: 54

Candidate Starts for Bud_5:

(Start: 54 @2695 has 413 MA's), (65, 2779), (69, 2791), (101, 2989), (111, 3013), (123, 3112), (126, 3121),

Gene: Bugatti_1 Start: 759, Stop: 1187, Start Num: 50

Candidate Starts for Bugatti_1:

(Start: 50 @759 has 285 MA's), (Start: 63 @837 has 3 MA's), (108, 1041), (111, 1050), (116, 1092), (119, 1131), (126, 1149),

Gene: Buggy_6 Start: 2885, Stop: 3355, Start Num: 54

Candidate Starts for Buggy_6:

(Start: 54 @2885 has 413 MA's), (65, 2969), (69, 2981), (76, 3005), (82, 3044), (84, 3074), (100, 3170), (101, 3179), (111, 3203), (123, 3302), (126, 3311),

Gene: Bumblebee11_2 Start: 807, Stop: 1235, Start Num: 50

Candidate Starts for Bumblebee11_2:

(Start: 50 @807 has 285 MA's), (65, 891), (69, 903), (82, 954), (87, 1023), (111, 1098), (112, 1101), (115, 1116), (116, 1140), (123, 1188), (126, 1197), (129, 1212),

Gene: Burger_1 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Burger_1:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Burton_3 Start: 1081, Stop: 1521, Start Num: 54

Candidate Starts for Burton_3:

(Start: 54 @1081 has 413 MA's), (69, 1180), (102, 1354), (111, 1375), (118, 1429), (120, 1465), (124, 1474),

Gene: Buttons_3 Start: 1079, Stop: 1513, Start Num: 54

Candidate Starts for Buttons_3:

(Start: 54 @1079 has 413 MA's), (69, 1172), (102, 1346), (111, 1367), (118, 1421), (120, 1457), (124, 1466),

Gene: BuzzBuzz_1 Start: 857, Stop: 1276, Start Num: 50

Candidate Starts for BuzzBuzz_1:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: Bxb1_2 Start: 930, Stop: 1370, Start Num: 54

Candidate Starts for Bxb1_2:

(Start: 54 @930 has 413 MA's), (69, 1029), (102, 1203), (111, 1224), (118, 1278), (120, 1314), (124, 1323),

Gene: Bxz2_2 Start: 861, Stop: 1286, Start Num: 47

Candidate Starts for Bxz2_2:

(Start: 47 @861 has 52 MA's), (Start: 50 @867 has 285 MA's), (Start: 57 @885 has 6 MA's), (61, 930), (69, 963), (111, 1158), (123, 1248),

Gene: C3_05 Start: 2676, Stop: 3143, Start Num: 54

Candidate Starts for C3_05:

(Start: 47 @2670 has 52 MA's), (Start: 54 @2676 has 413 MA's), (65, 2760), (69, 2772), (80, 2826), (82, 2835), (101, 2970), (111, 2994), (116, 3036), (119, 3084), (126, 3102),

Gene: CRB1_5 Start: 2808, Stop: 3278, Start Num: 54

Candidate Starts for CRB1_5:

(9, 2577), (25, 2670), (Start: 54 @2808 has 413 MA's), (65, 2892), (69, 2904), (76, 2928), (82, 2967), (84, 2997), (100, 3093), (101, 3102), (111, 3126), (123, 3225), (126, 3234),

Gene: CactusRose_2 Start: 929, Stop: 1369, Start Num: 54

Candidate Starts for CactusRose_2:

(Start: 54 @929 has 413 MA's), (69, 1028), (102, 1202), (111, 1223), (118, 1277), (120, 1313), (124, 1322),

Gene: Caelakin_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Caelakin_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Caelum_6 Start: 1647, Stop: 2081, Start Num: 47

Candidate Starts for Caelum_6:

(Start: 47 @1647 has 52 MA's), (Start: 68 @1743 has 2 MA's), (102, 1923), (115, 1962), (116, 1986),

Gene: Caitlin_2 Start: 834, Stop: 1262, Start Num: 51

Candidate Starts for Caitlin_2:

(Start: 39 @795 has 1 MA's), (Start: 51 @834 has 74 MA's), (83, 993), (89, 1056), (101, 1104),

Gene: Caliburn_5 Start: 1936, Stop: 2361, Start Num: 56

Candidate Starts for Caliburn_5:

(Start: 47 @1927 has 52 MA's), (Start: 56 @1936 has 41 MA's), (67, 2023), (Start: 68 @2026 has 2 MA's), (102, 2206),

Gene: Calvinny_2 Start: 861, Stop: 1280, Start Num: 50

Candidate Starts for Calvinny_2:

(Start: 47 @855 has 52 MA's), (Start: 50 @861 has 285 MA's), (Start: 57 @879 has 6 MA's), (102, 1131), (111, 1152), (123, 1242),

Gene: Camperdownii_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Camperdownii_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Candra_5 Start: 2515, Stop: 2985, Start Num: 54

Candidate Starts for Candra_5:

(Start: 54 @2515 has 413 MA's), (65, 2602), (69, 2614), (82, 2677), (84, 2707), (87, 2746), (90, 2758), (101, 2812), (111, 2836), (126, 2947),

Gene: Caraxes_5 Start: 2488, Stop: 2952, Start Num: 54

Candidate Starts for Caraxes_5:

(Start: 54 @2488 has 413 MA's), (65, 2572), (69, 2584), (76, 2608), (82, 2647), (101, 2782), (111, 2806), (112, 2809), (119, 2899), (123, 2908), (126, 2917),

Gene: Carlyle_4 Start: 1310, Stop: 1750, Start Num: 54

Candidate Starts for Carlyle_4:

(Start: 54 @1310 has 413 MA's), (69, 1409), (102, 1583), (111, 1604), (118, 1658), (120, 1694), (124, 1703),

Gene: CartmannCramer_2 Start: 1081, Stop: 1515, Start Num: 54

Candidate Starts for CartmannCramer_2:

(Start: 54 @1081 has 413 MA's), (69, 1174), (102, 1348), (111, 1369), (118, 1423), (120, 1459), (124, 1468),

Gene: CatBus_3 Start: 1081, Stop: 1515, Start Num: 54

Candidate Starts for CatBus_3:

(Start: 54 @1081 has 413 MA's), (69, 1174), (102, 1348), (111, 1369), (118, 1423), (120, 1459), (124, 1468),

Gene: Catalina_5 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for Catalina_5:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: Caviar_2 Start: 862, Stop: 1212, Start Num: 63

Candidate Starts for Caviar_2:

(Start: 50 @784 has 285 MA's), (Start: 63 @862 has 3 MA's), (87, 1000), (111, 1075), (116, 1117), (119, 1156), (126, 1174),

Gene: Celery_7 Start: 2043, Stop: 2471, Start Num: 55

Candidate Starts for Celery_7:

(Start: 55 @2043 has 37 MA's), (64, 2118), (Start: 68 @2133 has 2 MA's), (102, 2313), (121, 2424), (122, 2427),

Gene: Celeste_5 Start: 1932, Stop: 2357, Start Num: 56

Candidate Starts for Celeste_5:

(Start: 47 @1923 has 52 MA's), (Start: 56 @1932 has 41 MA's), (Start: 68 @2022 has 2 MA's), (83, 2091), (102, 2202),

Gene: Celia_5 Start: 2204, Stop: 2638, Start Num: 51

Candidate Starts for Celia_5:

(Start: 51 @2204 has 74 MA's), (64, 2285), (73, 2315), (82, 2357), (96, 2465), (102, 2480), (121, 2591), (122, 2594),

Gene: Centaur_6 Start: 2956, Stop: 3426, Start Num: 54

Candidate Starts for Centaur_6:

(Start: 54 @2956 has 413 MA's), (65, 3040), (69, 3052), (76, 3076), (82, 3115), (84, 3145), (100, 3241), (101, 3250), (111, 3274), (123, 3373), (126, 3382),

Gene: CentreCat_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for CentreCat_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Cerulean_2 Start: 801, Stop: 1232, Start Num: 50

Candidate Starts for Cerulean_2:

(Start: 50 @801 has 285 MA's), (69, 897), (82, 948), (87, 1017), (111, 1092), (112, 1095), (115, 1110), (116, 1134), (126, 1191), (129, 1206),

Gene: Chadwick_2 Start: 838, Stop: 1287, Start Num: 52

Candidate Starts for Chadwick_2:

(3, 577), (11, 622), (14, 637), (17, 655), (30, 733), (44, 808), (Start: 52 @838 has 39 MA's), (71, 937), (83, 1006), (91, 1078), (101, 1129), (111, 1153), (114, 1168),

Gene: ChampagnePapi_2 Start: 800, Stop: 1231, Start Num: 50

Candidate Starts for ChampagnePapi_2:

(Start: 50 @800 has 285 MA's), (69, 896), (82, 947), (87, 1016), (111, 1091), (112, 1094), (115, 1109), (116, 1133), (126, 1190), (129, 1205),

Gene: Chanagan_3 Start: 1080, Stop: 1520, Start Num: 54

Candidate Starts for Chanagan_3:

(Start: 54 @1080 has 413 MA's), (69, 1179), (102, 1353), (111, 1374), (118, 1428), (120, 1464), (124, 1473),

Gene: Changeling_5 Start: 2625, Stop: 3095, Start Num: 54

Candidate Starts for Changeling_5:

(9, 2397), (25, 2490), (Start: 47 @2619 has 52 MA's), (Start: 54 @2625 has 413 MA's), (65, 2709), (74, 2736), (76, 2745), (82, 2784), (84, 2814), (100, 2910), (101, 2919), (111, 2943), (121, 3036), (123, 3042), (126, 3051),

Gene: Chaph_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Chaph_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Chargerpower_6 Start: 2779, Stop: 3252, Start Num: 51

Candidate Starts for Chargerpower_6:

(18, 2605), (21, 2629), (Start: 51 @2779 has 74 MA's), (70, 2881), (79, 2929), (82, 2941), (101, 3076), (111, 3100),

Gene: Charm_5 Start: 2435, Stop: 2905, Start Num: 51

Candidate Starts for Charm_5:

(Start: 51 @2435 has 74 MA's), (82, 2594), (100, 2720), (101, 2729), (111, 2753), (113, 2765), (123, 2852), (126, 2861),

Gene: Chartreuse_5 Start: 2483, Stop: 2953, Start Num: 54

Candidate Starts for Chartreuse_5:

(Start: 54 @2483 has 413 MA's), (65, 2570), (69, 2582), (82, 2645), (84, 2675), (87, 2714), (90, 2726), (101, 2780), (111, 2804), (126, 2915),

Gene: Che12_5 Start: 2448, Stop: 2912, Start Num: 54

Candidate Starts for Che12_5:

(Start: 54 @2448 has 413 MA's), (Start: 57 @2466 has 6 MA's), (65, 2532), (69, 2544), (76, 2568), (82, 2607), (101, 2742), (111, 2766), (112, 2769), (119, 2859), (123, 2868), (126, 2877),

Gene: ChipMunk_6 Start: 2895, Stop: 3365, Start Num: 54

Candidate Starts for ChipMunk_6:

(Start: 54 @2895 has 413 MA's), (65, 2979), (76, 3015), (82, 3054), (84, 3084), (100, 3180), (101, 3189), (111, 3213), (123, 3312), (126, 3321),

Gene: Chiqui_1 Start: 774, Stop: 1205, Start Num: 50

Candidate Starts for Chiqui_1:

(Start: 50 @774 has 285 MA's), (Start: 63 @852 has 3 MA's), (99, 1032), (102, 1044), (111, 1065), (116, 1107), (119, 1146), (126, 1164),

Gene: ChristmasHams_3 Start: 1166, Stop: 1606, Start Num: 54

Candidate Starts for ChristmasHams_3:

(Start: 54 @1166 has 413 MA's), (69, 1265), (102, 1439), (111, 1460), (118, 1514), (120, 1550), (124, 1559),

Gene: Chucky_5 Start: 1931, Stop: 2356, Start Num: 55

Candidate Starts for Chucky_5:

(23, 1781), (Start: 55 @1931 has 37 MA's), (Start: 68 @2021 has 2 MA's), (83, 2090), (102, 2201),

Gene: Chupacabra_2 Start: 790, Stop: 1224, Start Num: 48

Candidate Starts for Chupacabra_2:

(Start: 48 @790 has 2 MA's), (Start: 50 @793 has 285 MA's), (64, 874), (80, 931), (102, 1063), (108, 1075), (111, 1084), (123, 1174), (126, 1183),

Gene: Ciao_3 Start: 1063, Stop: 1503, Start Num: 54

Candidate Starts for Ciao_3:

(Start: 54 @1063 has 413 MA's), (69, 1162), (102, 1336), (111, 1357), (118, 1411), (120, 1447), (124, 1456),

Gene: Cici_2 Start: 807, Stop: 1235, Start Num: 50

Candidate Starts for Cici_2:

(Start: 50 @807 has 285 MA's), (65, 891), (69, 903), (82, 954), (87, 1023), (111, 1098), (112, 1101), (115, 1116), (116, 1140), (123, 1188), (126, 1197), (129, 1212),

Gene: Cindaradix_2 Start: 803, Stop: 1231, Start Num: 50

Candidate Starts for Cindaradix_2:

(Start: 50 @803 has 285 MA's), (65, 887), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (123, 1184), (126, 1193), (129, 1208),

Gene: Cintron_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Cintron_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Citius_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Citius_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Clammy_1 Start: 759, Stop: 1187, Start Num: 50

Candidate Starts for Clammy_1:

(Start: 50 @759 has 285 MA's), (Start: 63 @837 has 3 MA's), (108, 1041), (111, 1050), (116, 1092), (119, 1131), (126, 1149),

Gene: Clarenza_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Clarenza_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: CloudWang3_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for CloudWang3_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: ClownCar_2 Start: 861, Stop: 1280, Start Num: 50

Candidate Starts for ClownCar_2:

(Start: 47 @855 has 52 MA's), (Start: 50 @861 has 285 MA's), (Start: 57 @879 has 6 MA's), (102, 1131), (111, 1152), (123, 1242),

Gene: Cocoaberry_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Cocoaberry_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: CogOmlette_4 Start: 2435, Stop: 2908, Start Num: 51

Candidate Starts for CogOmlette_4:

(Start: 51 @2435 has 74 MA's), (69, 2534), (82, 2597), (100, 2723), (101, 2732), (111, 2756), (123, 2855),

Gene: Colbster_2 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for Colbster_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Colin_6 Start: 2774, Stop: 3244, Start Num: 54

Candidate Starts for Colin_6:

(4, 2519), (11, 2558), (17, 2591), (Start: 54 @2774 has 413 MA's), (65, 2858), (69, 2870), (76, 2894), (82, 2933), (84, 2963), (92, 3029), (100, 3059), (101, 3068), (111, 3092), (123, 3191), (126, 3200),

Gene: Colleen_2 Start: 799, Stop: 1230, Start Num: 56

Candidate Starts for Colleen_2:

(Start: 56 @799 has 41 MA's), (72, 895), (94, 1039), (103, 1069), (105, 1072), (107, 1078), (114, 1105), (129, 1216),

Gene: Commander_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Commander_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Conan_6 Start: 1782, Stop: 2210, Start Num: 55

Candidate Starts for Conan_6:

(Start: 55 @1782 has 37 MA's), (64, 1857), (67, 1869), (Start: 68 @1872 has 2 MA's), (71, 1881), (73, 1887), (102, 2052), (121, 2163), (122, 2166),

Gene: ConceptII_3 Start: 1166, Stop: 1600, Start Num: 54

Candidate Starts for ConceptII_3:

(Start: 54 @1166 has 413 MA's), (69, 1259), (102, 1433), (111, 1454), (118, 1508), (120, 1544), (124, 1553),

Gene: Connomayer_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Connomayer_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Conquerage_5 Start: 2666, Stop: 3139, Start Num: 51

Candidate Starts for Conquerage_5:

(17, 2480), (30, 2558), (Start: 51 @2666 has 74 MA's), (60, 2723), (74, 2780), (82, 2828), (84, 2858), (101, 2963), (111, 2987), (119, 3077), (123, 3086), (126, 3095),

Gene: Conspiracy_2 Start: 872, Stop: 1321, Start Num: 52

Candidate Starts for Conspiracy_2:

(11, 656), (14, 671), (15, 674), (17, 689), (18, 695), (21, 719), (44, 842), (Start: 52 @872 has 39 MA's), (69, 965), (71, 971), (76, 989), (83, 1040), (101, 1163), (111, 1187), (114, 1202),

Gene: Coog_2 Start: 840, Stop: 1289, Start Num: 52

Candidate Starts for Coog_2:

(11, 624), (14, 639), (15, 642), (17, 657), (18, 663), (21, 687), (44, 810), (Start: 52 @840 has 39 MA's), (69, 933), (71, 939), (76, 957), (83, 1008), (101, 1131), (111, 1155), (114, 1170),

Gene: Cookiedough_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Cookiedough_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Corvo_3 Start: 1082, Stop: 1522, Start Num: 54

Candidate Starts for Corvo_3:

(Start: 54 @1082 has 413 MA's), (69, 1181), (102, 1355), (111, 1376), (118, 1430), (120, 1466), (124, 1475),

Gene: CosmicSans_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for CosmicSans_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Crispicious1_2 Start: 930, Stop: 1370, Start Num: 54

Candidate Starts for Crispicious1_2:

(Start: 54 @930 has 413 MA's), (69, 1029), (102, 1203), (111, 1224), (118, 1278), (120, 1314), (124, 1323),

Gene: Croquant_3 Start: 919, Stop: 1275, Start Num: 61

Candidate Starts for Croquant_3:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Crucio_6 Start: 2904, Stop: 3374, Start Num: 54

Candidate Starts for Crucio_6:

(4, 2646), (11, 2685), (17, 2718), (Start: 54 @2904 has 413 MA's), (65, 2988), (69, 3000), (76, 3024), (82, 3063), (84, 3093), (100, 3189), (101, 3198), (111, 3222), (123, 3321), (126, 3330),

Gene: Cuco_2 Start: 870, Stop: 1319, Start Num: 52

Candidate Starts for Cuco_2:

(11, 654), (14, 669), (15, 672), (17, 687), (18, 693), (21, 717), (44, 840), (Start: 52 @870 has 39 MA's), (69, 963), (71, 969), (76, 987), (83, 1038), (101, 1161), (111, 1185), (114, 1200),

Gene: Cueylyss_3 Start: 1130, Stop: 1564, Start Num: 54

Candidate Starts for Cueylyss_3:

(Start: 54 @1130 has 413 MA's), (69, 1223), (102, 1397), (111, 1418), (118, 1472), (120, 1508), (124, 1517),

Gene: Cullens_2 Start: 850, Stop: 1275, Start Num: 47

Candidate Starts for Cullens_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: D29_5 Start: 2677, Stop: 3144, Start Num: 54

Candidate Starts for D29_5:

(Start: 47 @2671 has 52 MA's), (Start: 54 @2677 has 413 MA's), (65, 2761), (69, 2773), (76, 2797), (77, 2806), (82, 2836), (84, 2866), (101, 2971), (111, 2995), (123, 3094), (126, 3103),

Gene: D32_5 Start: 2677, Stop: 3144, Start Num: 54

Candidate Starts for D32_5:

(Start: 47 @2671 has 52 MA's), (Start: 54 @2677 has 413 MA's), (65, 2761), (69, 2773), (76, 2797), (77, 2806), (82, 2836), (84, 2866), (101, 2971), (111, 2995), (123, 3094), (126, 3103),

Gene: DBQu4n_5 Start: 2677, Stop: 3144, Start Num: 54

Candidate Starts for DBQu4n_5:

(Start: 47 @2671 has 52 MA's), (Start: 54 @2677 has 413 MA's), (65, 2761), (69, 2773), (76, 2797), (77, 2806), (82, 2836), (84, 2866), (101, 2971), (111, 2995), (123, 3094), (126, 3103),

Gene: DD5_3 Start: 1070, Stop: 1504, Start Num: 54

Candidate Starts for DD5_3:

(Start: 54 @1070 has 413 MA's), (69, 1163), (102, 1337), (111, 1358), (118, 1412), (120, 1448), (124, 1457),

Gene: DaHudson_2 Start: 850, Stop: 1275, Start Num: 47

Candidate Starts for DaHudson_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: DaVinci_5 Start: 2483, Stop: 2953, Start Num: 54

Candidate Starts for DaVinci_5:

(Start: 54 @2483 has 413 MA's), (65, 2570), (69, 2582), (82, 2645), (84, 2675), (87, 2714), (90, 2726), (101, 2780), (111, 2804), (126, 2915),

Gene: Daishi_2 Start: 857, Stop: 1276, Start Num: 50

Candidate Starts for Daishi_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: Dalmatian_6 Start: 3006, Stop: 3476, Start Num: 54

Candidate Starts for Dalmatian_6:

(9, 2775), (25, 2868), (Start: 54 @3006 has 413 MA's), (65, 3090), (76, 3126), (82, 3165), (84, 3195), (100, 3291), (101, 3300), (111, 3324), (123, 3423), (126, 3432),

Gene: Danforth_1 Start: 834, Stop: 1262, Start Num: 51

Candidate Starts for Danforth_1:

(Start: 39 @795 has 1 MA's), (Start: 51 @834 has 74 MA's), (83, 993), (89, 1056), (101, 1104),

Gene: Danzina_6 Start: 2130, Stop: 2555, Start Num: 55

Candidate Starts for Danzina_6:

(23, 1986), (Start: 55 @2130 has 37 MA's), (Start: 68 @2220 has 2 MA's), (83, 2289), (102, 2400),

Gene: Darrell_5 Start: 2550, Stop: 3023, Start Num: 51

Candidate Starts for Darrell_5:

(Start: 51 @2550 has 74 MA's), (82, 2712), (101, 2847), (111, 2871), (123, 2970),

Gene: DarthPhader_5 Start: 2582, Stop: 3058, Start Num: 51

Candidate Starts for DarthPhader_5:

(44, 2555), (Start: 51 @2582 has 74 MA's), (69, 2681), (70, 2684), (82, 2744), (84, 2774), (100, 2870), (101, 2879), (111, 2903), (114, 2918), (119, 2993), (126, 3011),

Gene: Dattran_6 Start: 1931, Stop: 2356, Start Num: 56

Candidate Starts for Dattran_6:

(Start: 47 @1922 has 52 MA's), (Start: 56 @1931 has 41 MA's), (Start: 68 @2021 has 2 MA's), (83, 2090), (102, 2201),

Gene: Datway_2 Start: 807, Stop: 1235, Start Num: 50

Candidate Starts for Datway_2:

(Start: 50 @807 has 285 MA's), (65, 891), (69, 903), (82, 954), (87, 1023), (111, 1098), (112, 1101), (115, 1116), (116, 1140), (123, 1188), (126, 1197), (129, 1212),

Gene: Daudau_5 Start: 1704, Stop: 2135, Start Num: 47

Candidate Starts for Daudau_5:

(Start: 47 @1704 has 52 MA's), (67, 1797), (Start: 68 @1800 has 2 MA's), (89, 1932), (102, 1980), (115, 2019), (116, 2043),

Gene: Deano_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Deano_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: DeerParkTS_5 Start: 2591, Stop: 3061, Start Num: 53

Candidate Starts for DeerParkTS_5:

(9, 2363), (25, 2456), (53, 2591), (65, 2675), (69, 2687), (82, 2750), (84, 2780), (100, 2876), (101, 2885), (111, 2909), (121, 3002), (123, 3008), (126, 3017),

Gene: DekHockey33_5 Start: 2757, Stop: 3212, Start Num: 54

Candidate Starts for DekHockey33_5:

(5, 2511), (6, 2517), (Start: 47 @2751 has 52 MA's), (Start: 54 @2757 has 413 MA's), (74, 2868), (82, 2916), (101, 3051), (111, 3075), (112, 3078), (123, 3174),

Gene: Deloris_5 Start: 2660, Stop: 3130, Start Num: 54

Candidate Starts for Deloris_5:

(9, 2429), (25, 2522), (Start: 54 @2660 has 413 MA's), (65, 2744), (76, 2780), (82, 2819), (84, 2849), (100, 2945), (101, 2954), (111, 2978), (121, 3071), (123, 3077), (126, 3086),

Gene: DelvinSonDorr_4 Start: 2484, Stop: 2954, Start Num: 54

Candidate Starts for DelvinSonDorr_4:

(Start: 54 @2484 has 413 MA's), (65, 2571), (69, 2583), (82, 2646), (84, 2676), (87, 2715), (90, 2727), (101, 2781), (111, 2805), (126, 2916),

Gene: Dexers_4 Start: 1775, Stop: 2203, Start Num: 55

Candidate Starts for Dexers_4:

(Start: 55 @1775 has 37 MA's), (64, 1850), (67, 1862), (Start: 68 @1865 has 2 MA's), (71, 1874), (73, 1880), (102, 2045), (121, 2156), (122, 2159),

Gene: Dexes_4 Start: 1622, Stop: 2062, Start Num: 54

Candidate Starts for Dexes_4:

(16, 1433), (29, 1511), (35, 1568), (36, 1571), (Start: 54 @1622 has 413 MA's), (69, 1721), (102, 1895), (111, 1916), (118, 1970), (120, 2006), (124, 2015),

Gene: Dhanush_2 Start: 802, Stop: 1233, Start Num: 50

Candidate Starts for Dhanush_2:

(Start: 50 @802 has 285 MA's), (69, 898), (82, 949), (87, 1018), (111, 1093), (112, 1096), (115, 1111), (116, 1135), (119, 1174), (126, 1192), (129, 1207),

Gene: Diane_5 Start: 1698, Stop: 2132, Start Num: 47

Candidate Starts for Diane_5:

(Start: 47 @1698 has 52 MA's), (Start: 68 @1794 has 2 MA's), (102, 1974), (115, 2013), (116, 2037),

Gene: Dieselweasel_2 Start: 850, Stop: 1275, Start Num: 47

Candidate Starts for Dieselweasel_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Dignity_6 Start: 2883, Stop: 3353, Start Num: 54

Candidate Starts for Dignity_6:

(Start: 54 @2883 has 413 MA's), (65, 2967), (69, 2979), (76, 3003), (82, 3042), (84, 3072), (100, 3168), (101, 3177), (111, 3201), (123, 3300), (126, 3309),

Gene: Dinger_3 Start: 1012, Stop: 1434, Start Num: 50

Candidate Starts for Dinger_3:

(Start: 50 @1012 has 285 MA's), (74, 1123), (79, 1147), (82, 1159), (108, 1294), (119, 1384), (126, 1402), (129, 1417),

Gene: DirtDevil_3 Start: 1081, Stop: 1515, Start Num: 54

Candidate Starts for DirtDevil_3:

(Start: 54 @1081 has 413 MA's), (69, 1174), (102, 1348), (111, 1369), (118, 1423), (120, 1459), (124, 1468),

Gene: DirtyDunning_2 Start: 801, Stop: 1232, Start Num: 50

Candidate Starts for DirtyDunning_2:

(Start: 50 @801 has 285 MA's), (69, 897), (82, 948), (87, 1017), (111, 1092), (112, 1095), (115, 1110), (116, 1134), (119, 1173), (126, 1191), (129, 1206),

Gene: Discoknowium_2 Start: 871, Stop: 1320, Start Num: 52

Candidate Starts for Discoknowium_2:

(11, 655), (14, 670), (15, 673), (17, 688), (18, 694), (21, 718), (44, 841), (Start: 52 @871 has 39 MA's), (69, 964), (71, 970), (76, 988), (83, 1039), (101, 1162), (111, 1186), (114, 1201),

Gene: Dixon_2 Start: 835, Stop: 1263, Start Num: 51

Candidate Starts for Dixon_2:

(Start: 51 @835 has 74 MA's), (83, 994), (89, 1057), (92, 1078), (101, 1105),

Gene: DontArgue_2 Start: 961, Stop: 1392, Start Num: 50

Candidate Starts for DontArgue_2:

(Start: 50 @961 has 285 MA's), (64, 1042), (80, 1099), (102, 1231), (108, 1243), (111, 1252), (123, 1342), (126, 1351),

Gene: Doom_3 Start: 1128, Stop: 1568, Start Num: 54

Candidate Starts for Doom_3:

(Start: 54 @1128 has 413 MA's), (69, 1227), (102, 1401), (111, 1422), (118, 1476), (120, 1512), (124, 1521),

Gene: Dorothea_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Dorothea_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: DrFeelGood_2 Start: 927, Stop: 1367, Start Num: 54

Candidate Starts for DrFeelGood_2:

(Start: 54 @927 has 413 MA's), (69, 1026), (102, 1200), (111, 1221), (118, 1275), (120, 1311), (124, 1320),

Gene: Drake55_6 Start: 2962, Stop: 3432, Start Num: 54

Candidate Starts for Drake55_6:

(Start: 54 @2962 has 413 MA's), (65, 3046), (69, 3058), (76, 3082), (82, 3121), (84, 3151), (100, 3247), (101, 3256), (111, 3280), (123, 3379), (126, 3388),

Gene: Drake94_2 Start: 805, Stop: 1236, Start Num: 50

Candidate Starts for Drake94_2:

(Start: 50 @805 has 285 MA's), (64, 886), (80, 943), (102, 1075), (108, 1087), (111, 1096), (123, 1186), (126, 1195),

Gene: DreamCatcher_4 Start: 1854, Stop: 2294, Start Num: 54

Candidate Starts for DreamCatcher_4:

(Start: 54 @1854 has 413 MA's), (69, 1953), (102, 2127), (111, 2148), (118, 2202), (120, 2238), (124, 2247),

Gene: DreamTeam1_5 Start: 2435, Stop: 2905, Start Num: 51

Candidate Starts for DreamTeam1_5:

(Start: 51 @2435 has 74 MA's), (82, 2594), (100, 2720), (101, 2729), (111, 2753), (113, 2765), (123, 2852), (126, 2861),

Gene: Dreamboat_4 Start: 1356, Stop: 1790, Start Num: 54

Candidate Starts for Dreamboat_4:

(Start: 54 @1356 has 413 MA's), (69, 1449), (102, 1623), (111, 1644), (118, 1698), (120, 1734), (124, 1743),

Gene: DroogsArmy_2 Start: 743, Stop: 1177, Start Num: 49

Candidate Starts for DroogsArmy_2:

(Start: 49 @743 has 5 MA's), (Start: 63 @821 has 3 MA's), (65, 827), (69, 842), (74, 857), (82, 893), (85, 953), (87, 962), (111, 1037), (115, 1055), (116, 1079), (126, 1136),

Gene: DropBear_2 Start: 754, Stop: 1182, Start Num: 50

Candidate Starts for DropBear_2:

(Start: 37 @709 has 2 MA's), (Start: 50 @754 has 285 MA's), (Start: 63 @832 has 3 MA's), (99, 1012), (102, 1024), (111, 1045), (116, 1087), (126, 1144),

Gene: Druantia_2 Start: 804, Stop: 1235, Start Num: 50

Candidate Starts for Druantia_2:

(Start: 50 @804 has 285 MA's), (69, 900), (82, 951), (87, 1020), (111, 1095), (112, 1098), (115, 1113), (116, 1137), (119, 1176), (126, 1194), (129, 1209),

Gene: Dublin_1 Start: 839, Stop: 1288, Start Num: 52

Candidate Starts for Dublin_1:

(11, 623), (14, 638), (17, 656), (44, 809), (Start: 52 @839 has 39 MA's), (69, 932), (71, 938), (76, 956), (83, 1007), (101, 1130), (111, 1154), (114, 1169),

Gene: DudeLittle_6 Start: 3006, Stop: 3476, Start Num: 54

Candidate Starts for DudeLittle_6:

(9, 2775), (25, 2868), (Start: 54 @3006 has 413 MA's), (65, 3090), (76, 3126), (82, 3165), (84, 3195), (100, 3291), (101, 3300), (111, 3324), (123, 3423), (126, 3432),

Gene: Dulcie_2 Start: 927, Stop: 1361, Start Num: 54

Candidate Starts for Dulcie_2:

(Start: 54 @927 has 413 MA's), (69, 1020), (102, 1194), (111, 1215), (118, 1269), (120, 1305), (124, 1314),

Gene: Duplo_5 Start: 2677, Stop: 3144, Start Num: 54

Candidate Starts for Duplo_5:

(Start: 47 @2671 has 52 MA's), (Start: 54 @2677 has 413 MA's), (65, 2761), (69, 2773), (76, 2797), (77, 2806), (82, 2836), (84, 2866), (101, 2971), (111, 2995), (123, 3094), (126, 3103),

Gene: Dussy_3 Start: 1089, Stop: 1523, Start Num: 54

Candidate Starts for Dussy_3:

(Start: 54 @1089 has 413 MA's), (69, 1182), (101, 1353), (102, 1356), (108, 1368), (111, 1377), (118, 1431), (120, 1467), (124, 1476),

Gene: DustyMartin_2 Start: 804, Stop: 1238, Start Num: 50

Candidate Starts for DustyMartin_2:

(Start: 48 @801 has 2 MA's), (Start: 50 @804 has 285 MA's), (64, 885), (69, 900), (74, 915), (80, 942), (102, 1074), (108, 1086), (111, 1095), (123, 1185), (126, 1194),

Gene: Dwayne_5 Start: 1931, Stop: 2356, Start Num: 55

Candidate Starts for Dwayne_5:

(23, 1781), (Start: 55 @1931 has 37 MA's), (Start: 68 @2021 has 2 MA's), (83, 2090), (102, 2201),

Gene: Dynamix_3 Start: 1078, Stop: 1518, Start Num: 54

Candidate Starts for Dynamix_3:

(Start: 54 @1078 has 413 MA's), (69, 1177), (102, 1351), (111, 1372), (118, 1426), (120, 1462), (124, 1471),

Gene: ELB20_04 Start: 1845, Stop: 2180, Start Num: 68

Candidate Starts for ELB20_04:

(Start: 45 @1740 has 1 MA's), (Start: 47 @1749 has 52 MA's), (Start: 68 @1845 has 2 MA's), (88, 1974), (91, 1986), (102, 2025), (116, 2088), (128, 2163),

Gene: EZMoney23_5 Start: 2628, Stop: 3098, Start Num: 54

Candidate Starts for EZMoney23_5:

(Start: 47 @2622 has 52 MA's), (Start: 54 @2628 has 413 MA's), (65, 2712), (76, 2748), (82, 2787), (84, 2817), (100, 2913), (101, 2922), (111, 2946), (121, 3039), (123, 3045), (126, 3054),

Gene: Eagle_1 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Eagle_1:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: EagleEye_5 Start: 2452, Stop: 2928, Start Num: 51

Candidate Starts for EagleEye_5:

(Start: 51 @2452 has 74 MA's), (76, 2575), (101, 2749), (111, 2773), (114, 2788), (123, 2875), (126, 2884),

Gene: Eaglepride_2 Start: 803, Stop: 1237, Start Num: 48

Candidate Starts for Eaglepride_2:

(Start: 48 @803 has 2 MA's), (Start: 50 @806 has 285 MA's), (64, 887), (74, 917), (80, 944), (102, 1076), (108, 1088), (111, 1097), (123, 1187), (126, 1196),

Gene: Eapen_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Eapen_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Ebony_5 Start: 2695, Stop: 3159, Start Num: 54

Candidate Starts for Ebony_5:

(Start: 54 @2695 has 413 MA's), (65, 2779), (101, 2989), (111, 3013), (123, 3112), (126, 3121),

Gene: Echild_6 Start: 3007, Stop: 3477, Start Num: 54

Candidate Starts for Echild_6:

(9, 2776), (25, 2869), (Start: 54 @3007 has 413 MA's), (65, 3091), (76, 3127), (82, 3166), (84, 3196), (100, 3292), (101, 3301), (111, 3325), (121, 3418), (123, 3424), (126, 3433),

Gene: Eddasa_6 Start: 2116, Stop: 2541, Start Num: 55

Candidate Starts for Eddasa_6:

(33, 2032), (41, 2080), (Start: 55 @2116 has 37 MA's), (67, 2203), (Start: 68 @2206 has 2 MA's), (102, 2386),

Gene: Edison31_2 Start: 797, Stop: 1228, Start Num: 50

Candidate Starts for Edison31_2:

(Start: 48 @794 has 2 MA's), (Start: 50 @797 has 285 MA's), (64, 878), (69, 893), (74, 908), (80, 935), (102, 1067), (108, 1079), (111, 1088), (123, 1178), (126, 1187),

Gene: EdogawaKiddo_3 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for EdogawaKiddo_3:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: Edtherson_3 Start: 1081, Stop: 1521, Start Num: 54

Candidate Starts for Edtherson_3:

(Start: 54 @1081 has 413 MA's), (69, 1180), (102, 1354), (111, 1375), (118, 1429), (120, 1465), (124, 1474),

Gene: Eidsmoe_5 Start: 2666, Stop: 3139, Start Num: 51

Candidate Starts for Eidsmoe_5:

(17, 2480), (30, 2558), (Start: 51 @2666 has 74 MA's), (60, 2723), (74, 2780), (82, 2828), (84, 2858), (101, 2963), (111, 2987), (119, 3077), (123, 3086), (126, 3095),

Gene: Ejemplo_5 Start: 1934, Stop: 2359, Start Num: 56

Candidate Starts for Ejemplo_5:

(Start: 45 @1916 has 1 MA's), (Start: 47 @1925 has 52 MA's), (Start: 56 @1934 has 41 MA's), (Start: 68 @2024 has 2 MA's), (102, 2204),

Gene: ElGato_6 Start: 1785, Stop: 2213, Start Num: 55
Candidate Starts for ElGato_6:
(Start: 55 @1785 has 37 MA's), (64, 1860), (102, 2055), (115, 2094), (121, 2166), (122, 2169),

Gene: ElTiger69_2 Start: 839, Stop: 1288, Start Num: 52
Candidate Starts for ElTiger69_2:
(17, 656), (30, 734), (44, 809), (Start: 52 @839 has 39 MA's), (71, 938), (83, 1007), (101, 1130), (111, 1154), (114, 1169),

Gene: Elephantoon_5 Start: 2428, Stop: 2901, Start Num: 51
Candidate Starts for Elephantoon_5:
(Start: 51 @2428 has 74 MA's), (69, 2527), (82, 2590), (100, 2716), (101, 2725), (111, 2749), (119, 2839), (123, 2848),

Gene: Elle_5 Start: 2472, Stop: 2933, Start Num: 49
Candidate Starts for Elle_5:
(4, 2220), (18, 2298), (Start: 49 @2472 has 5 MA's), (Start: 63 @2553 has 3 MA's), (69, 2571), (82, 2634), (84, 2664), (101, 2769), (111, 2793), (112, 2796), (131, 2922),

Gene: Emaanora_7 Start: 1930, Stop: 2355, Start Num: 55
Candidate Starts for Emaanora_7:
(23, 1780), (Start: 55 @1930 has 37 MA's), (Start: 68 @2020 has 2 MA's), (83, 2089), (102, 2200),

Gene: EmyBug_5 Start: 2666, Stop: 3139, Start Num: 51
Candidate Starts for EmyBug_5:
(17, 2480), (30, 2558), (Start: 51 @2666 has 74 MA's), (60, 2723), (74, 2780), (82, 2828), (84, 2858), (101, 2963), (111, 2987), (123, 3086), (126, 3095),

Gene: EnochSoames_6 Start: 2112, Stop: 2537, Start Num: 55
Candidate Starts for EnochSoames_6:
(41, 2076), (Start: 55 @2112 has 37 MA's), (67, 2199), (Start: 68 @2202 has 2 MA's), (102, 2382),

Gene: EnzoK_2 Start: 938, Stop: 1372, Start Num: 54
Candidate Starts for EnzoK_2:
(Start: 54 @938 has 413 MA's), (69, 1031), (102, 1205), (111, 1226), (118, 1280), (120, 1316), (124, 1325),

Gene: EpicPhail_2 Start: 856, Stop: 1275, Start Num: 50
Candidate Starts for EpicPhail_2:
(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Epsocamisio_5 Start: 2610, Stop: 3065, Start Num: 54
Candidate Starts for Epsocamisio_5:
(5, 2364), (6, 2370), (Start: 47 @2604 has 52 MA's), (Start: 54 @2610 has 413 MA's), (82, 2769), (101, 2904), (111, 2928), (112, 2931), (123, 3027),

Gene: Equemioh13_6 Start: 2959, Stop: 3429, Start Num: 54
Candidate Starts for Equemioh13_6:
(Start: 54 @2959 has 413 MA's), (65, 3043), (69, 3055), (76, 3079), (82, 3118), (84, 3148), (100, 3244), (101, 3253), (111, 3277), (123, 3376), (126, 3385),

Gene: EricB_5 Start: 2483, Stop: 2953, Start Num: 54

Candidate Starts for EricB_5:

(Start: 54 @2483 has 413 MA's), (65, 2570), (69, 2582), (82, 2645), (84, 2675), (87, 2714), (90, 2726), (101, 2780), (111, 2804), (126, 2915),

Gene: Erik_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Erik_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Eris_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Eris_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Eros_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Eros_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Esperer_5 Start: 1956, Stop: 2381, Start Num: 56

Candidate Starts for Esperer_5:

(Start: 47 @1947 has 52 MA's), (Start: 56 @1956 has 41 MA's), (67, 2043), (Start: 68 @2046 has 2 MA's), (89, 2178), (102, 2226),

Gene: Espica_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Espica_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Espresso_3 Start: 1163, Stop: 1603, Start Num: 54

Candidate Starts for Espresso_3:

(Start: 54 @1163 has 413 MA's), (69, 1262), (102, 1436), (111, 1457), (118, 1511), (120, 1547), (124, 1556),

Gene: Et2Brutus_4 Start: 2692, Stop: 3156, Start Num: 54

Candidate Starts for Et2Brutus_4:

(Start: 54 @2692 has 413 MA's), (65, 2776), (101, 2986), (111, 3010), (123, 3109), (126, 3118),

Gene: EtoileNova_1 Start: 784, Stop: 1212, Start Num: 50

Candidate Starts for EtoileNova_1:

(Start: 50 @784 has 285 MA's), (Start: 63 @862 has 3 MA's), (87, 1000), (111, 1075), (116, 1117), (119, 1156), (126, 1174),

Gene: Euphoria_3 Start: 1067, Stop: 1501, Start Num: 54

Candidate Starts for Euphoria_3:

(Start: 54 @1067 has 413 MA's), (Start: 57 @1079 has 6 MA's), (69, 1160), (102, 1334), (111, 1355), (118, 1409), (120, 1445), (124, 1454),

Gene: Eurydice_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Eurydice_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: EvilGenius_6 Start: 2894, Stop: 3364, Start Num: 54

Candidate Starts for EvilGenius_6:

(9, 2663), (25, 2756), (Start: 54 @2894 has 413 MA's), (65, 2978), (76, 3014), (82, 3053), (84, 3083), (100, 3179), (101, 3188), (111, 3212), (123, 3311), (126, 3320),

Gene: Expelliarmus_1 Start: 835, Stop: 1263, Start Num: 51

Candidate Starts for Expelliarmus_1:

(Start: 51 @835 has 74 MA's), (83, 994), (89, 1057), (101, 1105),

Gene: ExplosioNervosa_5 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for ExplosioNervosa_5:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: Eyeball_3 Start: 1131, Stop: 1571, Start Num: 54

Candidate Starts for Eyeball_3:

(Start: 54 @1131 has 413 MA's), (69, 1230), (102, 1404), (111, 1425), (118, 1479), (120, 1515), (124, 1524),

Gene: Fajezeel_4 Start: 1214, Stop: 1654, Start Num: 54

Candidate Starts for Fajezeel_4:

(Start: 54 @1214 has 413 MA's), (69, 1313), (102, 1487), (111, 1508), (118, 1562), (120, 1598), (124, 1607),

Gene: Fameo_6 Start: 3008, Stop: 3478, Start Num: 54

Candidate Starts for Fameo_6:

(4, 2750), (11, 2789), (17, 2822), (Start: 54 @3008 has 413 MA's), (65, 3092), (76, 3128), (82, 3167), (84, 3197), (91, 3251), (100, 3293), (101, 3302), (111, 3326), (123, 3425), (126, 3434),

Gene: Farber_2 Start: 875, Stop: 1276, Start Num: 57

Candidate Starts for Farber_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: Fascinus_2 Start: 931, Stop: 1371, Start Num: 54

Candidate Starts for Fascinus_2:

(Start: 54 @931 has 413 MA's), (69, 1030), (102, 1204), (111, 1225), (118, 1279), (120, 1315), (124, 1324),

Gene: FatCactus_2 Start: 709, Stop: 1128, Start Num: 50

Candidate Starts for FatCactus_2:

(Start: 50 @709 has 285 MA's), (61, 772), (108, 991), (116, 1042), (126, 1099),

Gene: Fayely_5 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for Fayely_5:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: Fenn_2 Start: 937, Stop: 1371, Start Num: 54

Candidate Starts for Fenn_2:

(Start: 54 @937 has 413 MA's), (69, 1030), (101, 1201), (102, 1204), (108, 1216), (111, 1225), (118, 1279), (120, 1315), (124, 1324),

Gene: Fernando_2 Start: 850, Stop: 1275, Start Num: 47

Candidate Starts for Fernando_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Fibonacci_5 Start: 2692, Stop: 3156, Start Num: 54

Candidate Starts for Fibonacci_5:

(Start: 54 @2692 has 413 MA's), (65, 2776), (101, 2986), (111, 3010), (123, 3109), (126, 3118),

Gene: FiringLine_6 Start: 2904, Stop: 3374, Start Num: 54

Candidate Starts for FiringLine_6:

(Start: 54 @2904 has 413 MA's), (65, 2988), (76, 3024), (82, 3063), (84, 3093), (100, 3189), (101, 3198), (111, 3222), (123, 3321), (126, 3330),

Gene: First_005 Start: 2818, Stop: 3288, Start Num: 54

Candidate Starts for First_005:

(Start: 54 @2818 has 413 MA's), (65, 2902), (76, 2938), (82, 2977), (84, 3007), (100, 3103), (101, 3112), (111, 3136), (123, 3235), (126, 3244),

Gene: Flare16_6 Start: 2959, Stop: 3429, Start Num: 54

Candidate Starts for Flare16_6:

(Start: 54 @2959 has 413 MA's), (65, 3043), (69, 3055), (76, 3079), (82, 3118), (84, 3148), (100, 3244), (101, 3253), (111, 3277), (123, 3376), (126, 3385),

Gene: Flaverint_5 Start: 2689, Stop: 3153, Start Num: 54

Candidate Starts for Flaverint_5:

(Start: 54 @2689 has 413 MA's), (65, 2773), (101, 2983), (111, 3007), (123, 3106), (126, 3115),

Gene: Florean_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Florean_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Florence1_2 Start: 840, Stop: 1289, Start Num: 52

Candidate Starts for Florence1_2:

(11, 624), (14, 639), (15, 642), (17, 657), (18, 663), (21, 687), (44, 810), (Start: 52 @840 has 39 MA's), (69, 933), (71, 939), (76, 957), (83, 1008), (101, 1131), (111, 1155), (114, 1170),

Gene: Florence4_2 Start: 840, Stop: 1289, Start Num: 52

Candidate Starts for Florence4_2:

(11, 624), (14, 639), (15, 642), (17, 657), (18, 663), (21, 687), (44, 810), (Start: 52 @840 has 39 MA's), (69, 933), (71, 939), (76, 957), (83, 1008), (101, 1131), (111, 1155), (114, 1170),

Gene: Flux_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Flux_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: FlyCatcher_2 Start: 731, Stop: 1165, Start Num: 49

Candidate Starts for FlyCatcher_2:

(1, 401), (6, 488), (10, 509), (22, 584), (42, 695), (44, 704), (Start: 49 @731 has 5 MA's), (87, 950), (108, 1016), (111, 1025), (126, 1130),

Gene: ForGetIt_2 Start: 898, Stop: 1347, Start Num: 52

Candidate Starts for ForGetIt_2:

(11, 682), (14, 697), (15, 700), (17, 715), (18, 721), (21, 745), (44, 868), (Start: 52 @898 has 39 MA's), (69, 991), (71, 997), (76, 1015), (83, 1066), (101, 1189), (111, 1213), (114, 1228),

Gene: ForesterFrank_4 Start: 2617, Stop: 3087, Start Num: 54

Candidate Starts for ForesterFrank_4:

(9, 2389), (25, 2482), (Start: 47 @2611 has 52 MA's), (Start: 54 @2617 has 413 MA's), (65, 2701), (76, 2737), (82, 2776), (84, 2806), (100, 2902), (101, 2911), (111, 2935), (121, 3028), (123, 3034), (126, 3043),

Gene: Forsytheast_2 Start: 927, Stop: 1361, Start Num: 54

Candidate Starts for Forsytheast_2:

(Start: 54 @927 has 413 MA's), (69, 1020), (102, 1194), (111, 1215), (118, 1269), (120, 1305), (124, 1314),

Gene: Francis47_3 Start: 1166, Stop: 1606, Start Num: 54

Candidate Starts for Francis47_3:

(Start: 54 @1166 has 413 MA's), (69, 1265), (102, 1439), (111, 1460), (118, 1514), (120, 1550), (124, 1559),

Gene: Fred313_2 Start: 754, Stop: 1182, Start Num: 50

Candidate Starts for Fred313_2:

(Start: 37 @709 has 2 MA's), (Start: 50 @754 has 285 MA's), (Start: 63 @832 has 3 MA's), (99, 1012), (102, 1024), (111, 1045), (116, 1087), (126, 1144),

Gene: Froghopper_3 Start: 1080, Stop: 1514, Start Num: 54

Candidate Starts for Froghopper_3:

(Start: 54 @1080 has 413 MA's), (69, 1173), (102, 1347), (111, 1368), (118, 1422), (120, 1458), (124, 1467),

Gene: Funston_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Funston_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Fushigi_3 Start: 1079, Stop: 1519, Start Num: 54

Candidate Starts for Fushigi_3:

(Start: 54 @1079 has 413 MA's), (69, 1178), (101, 1349), (102, 1352), (108, 1364), (111, 1373), (118, 1427), (120, 1463), (124, 1472),

Gene: GMA4_1 Start: 79, Stop: 492, Start Num: 56

Candidate Starts for GMA4_1:

(Start: 56 @79 has 41 MA's), (71, 169), (73, 175), (75, 184), (89, 292), (101, 337), (121, 454), (125, 463),

Gene: GMonster_3 Start: 1079, Stop: 1513, Start Num: 54

Candidate Starts for GMonster_3:

(Start: 54 @1079 has 413 MA's), (69, 1172), (102, 1346), (111, 1367), (118, 1421), (120, 1457), (124, 1466),

Gene: Gachnar_3 Start: 1100, Stop: 1534, Start Num: 54

Candidate Starts for Gachnar_3:

(Start: 54 @1100 has 413 MA's), (69, 1193), (102, 1367), (111, 1388), (118, 1442), (120, 1478), (124, 1487),

Gene: Gadost_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Gadost_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: GageAP_4 Start: 1517, Stop: 1957, Start Num: 54

Candidate Starts for GageAP_4:

(20, 1364), (26, 1391), (31, 1424), (Start: 54 @1517 has 413 MA's), (69, 1616), (102, 1790), (111, 1811), (118, 1865), (120, 1901), (124, 1910),

Gene: Gail_5 Start: 2729, Stop: 3205, Start Num: 51

Candidate Starts for Gail_5:

(Start: 51 @2729 has 74 MA's), (69, 2828), (74, 2843), (76, 2852), (82, 2891), (84, 2921), (100, 3017), (101, 3026), (111, 3050),

Gene: Gandalf20_3 Start: 1174, Stop: 1614, Start Num: 54

Candidate Starts for Gandalf20_3:

(Start: 54 @1174 has 413 MA's), (69, 1273), (102, 1447), (111, 1468), (118, 1522), (120, 1558), (124, 1567),

Gene: Garak_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Garak_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: GaugeLDP_5 Start: 2431, Stop: 2904, Start Num: 54

Candidate Starts for GaugeLDP_5:

(Start: 54 @2431 has 413 MA's), (65, 2515), (76, 2551), (82, 2590), (84, 2620), (87, 2659), (90, 2671), (100, 2716), (101, 2725), (111, 2749), (115, 2767), (126, 2860),

Gene: Gemma_2 Start: 861, Stop: 1280, Start Num: 50

Candidate Starts for Gemma_2:

(Start: 47 @855 has 52 MA's), (Start: 50 @861 has 285 MA's), (Start: 57 @879 has 6 MA's), (102, 1131), (111, 1152), (123, 1242),

Gene: George_1 Start: 871, Stop: 1320, Start Num: 52

Candidate Starts for George_1:

(11, 655), (14, 670), (15, 673), (17, 688), (18, 694), (21, 718), (44, 841), (Start: 52 @871 has 39 MA's), (69, 964), (71, 970), (76, 988), (83, 1039), (101, 1162), (111, 1186), (114, 1201),

Gene: Georgie2_6 Start: 2906, Stop: 3376, Start Num: 54

Candidate Starts for Georgie2_6:

(Start: 54 @2906 has 413 MA's), (65, 2990), (76, 3026), (82, 3065), (84, 3095), (100, 3191), (101, 3200), (111, 3224), (123, 3323), (126, 3332),

Gene: Ghouboy_2 Start: 840, Stop: 1289, Start Num: 52

Candidate Starts for Ghouboy_2:

(11, 624), (14, 639), (17, 657), (44, 810), (Start: 52 @840 has 39 MA's), (69, 933), (71, 939), (76, 957), (83, 1008), (101, 1131), (111, 1155), (114, 1170),

Gene: Gilberta_5 Start: 2686, Stop: 3150, Start Num: 54
Candidate Starts for Gilberta_5:
(Start: 54 @2686 has 413 MA's), (65, 2770), (101, 2980), (111, 3004), (123, 3103), (126, 3112),

Gene: GingkoMaracino_2 Start: 856, Stop: 1275, Start Num: 50
Candidate Starts for GingkoMaracino_2:
(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: GirlDinner_5 Start: 1737, Stop: 2168, Start Num: 47
Candidate Starts for GirlDinner_5:
(Start: 47 @1737 has 52 MA's), (Start: 68 @1833 has 2 MA's), (71, 1842), (89, 1965), (102, 2013), (115, 2052), (116, 2076), (130, 2160),

Gene: Giroux_2 Start: 759, Stop: 1187, Start Num: 50
Candidate Starts for Giroux_2:
(Start: 50 @759 has 285 MA's), (Start: 63 @837 has 3 MA's), (108, 1041), (111, 1050), (116, 1092), (119, 1131), (126, 1149),

Gene: Gladiator_5 Start: 2472, Stop: 2942, Start Num: 54
Candidate Starts for Gladiator_5:
(Start: 54 @2472 has 413 MA's), (65, 2559), (82, 2634), (84, 2664), (98, 2748), (101, 2769), (111, 2793), (115, 2811),

Gene: Goby_5 Start: 1931, Stop: 2356, Start Num: 56
Candidate Starts for Goby_5:
(Start: 47 @1922 has 52 MA's), (Start: 56 @1931 has 41 MA's), (Start: 68 @2021 has 2 MA's), (83, 2090), (102, 2201),

Gene: Godpower_6 Start: 1934, Stop: 2359, Start Num: 56
Candidate Starts for Godpower_6:
(Start: 47 @1925 has 52 MA's), (Start: 56 @1934 has 41 MA's), (Start: 68 @2024 has 2 MA's), (83, 2093), (102, 2204),

Gene: Gollum_3 Start: 1017, Stop: 1439, Start Num: 50
Candidate Starts for Gollum_3:
(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Gompeii16_3 Start: 1166, Stop: 1606, Start Num: 54
Candidate Starts for Gompeii16_3:
(Start: 54 @1166 has 413 MA's), (69, 1265), (102, 1439), (111, 1460), (118, 1514), (120, 1550), (124, 1559),

Gene: Goose_2 Start: 795, Stop: 1226, Start Num: 50
Candidate Starts for Goose_2:
(Start: 48 @792 has 2 MA's), (Start: 50 @795 has 285 MA's), (64, 876), (80, 933), (102, 1065), (108, 1077), (111, 1086), (123, 1176), (126, 1185),

Gene: Graduation_3 Start: 1130, Stop: 1570, Start Num: 54
Candidate Starts for Graduation_3:
(Start: 54 @1130 has 413 MA's), (69, 1229), (102, 1403), (111, 1424), (118, 1478), (120, 1514), (124, 1523),

Gene: Gratitude_5 Start: 2959, Stop: 3429, Start Num: 54

Candidate Starts for Gratitude_5:

(Start: 54 @2959 has 413 MA's), (65, 3043), (69, 3055), (76, 3079), (82, 3118), (84, 3148), (100, 3244), (101, 3253), (111, 3277), (123, 3376), (126, 3385),

Gene: GrecoEtereo_4 Start: 1214, Stop: 1654, Start Num: 54

Candidate Starts for GrecoEtereo_4:

(Start: 54 @1214 has 413 MA's), (69, 1313), (102, 1487), (111, 1508), (118, 1562), (120, 1598), (124, 1607),

Gene: GreedyLawyer_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for GreedyLawyer_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: GreenWeasel_5 Start: 1941, Stop: 2375, Start Num: 47

Candidate Starts for GreenWeasel_5:

(Start: 47 @1941 has 52 MA's), (64, 2022), (Start: 68 @2037 has 2 MA's), (91, 2178), (102, 2217), (116, 2280),

Gene: Greg_4 Start: 1214, Stop: 1654, Start Num: 54

Candidate Starts for Greg_4:

(Start: 54 @1214 has 413 MA's), (69, 1313), (102, 1487), (111, 1508), (118, 1562), (120, 1598), (124, 1607),

Gene: Grif_2 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for Grif_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: GroundGoblin_3 Start: 1081, Stop: 1515, Start Num: 54

Candidate Starts for GroundGoblin_3:

(Start: 54 @1081 has 413 MA's), (69, 1174), (102, 1348), (111, 1369), (118, 1423), (120, 1459), (124, 1468),

Gene: Groundhog_1 Start: 836, Stop: 1264, Start Num: 51

Candidate Starts for Groundhog_1:

(Start: 51 @836 has 74 MA's), (83, 995), (89, 1058), (101, 1106),

Gene: Groupthink_3 Start: 861, Stop: 1280, Start Num: 50

Candidate Starts for Groupthink_3:

(Start: 47 @855 has 52 MA's), (Start: 50 @861 has 285 MA's), (Start: 57 @879 has 6 MA's), (102, 1131), (111, 1152), (123, 1242),

Gene: Grub_2 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for Grub_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Grum1_2 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for Grum1_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Gruunaga_5 Start: 2472, Stop: 2942, Start Num: 54

Candidate Starts for Gruunaga_5:

(Start: 54 @2472 has 413 MA's), (65, 2559), (82, 2634), (84, 2664), (98, 2748), (101, 2769), (111, 2793), (115, 2811),

Gene: GtownJaz_2 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for GtownJaz_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Gwendoluna_2 Start: 931, Stop: 1365, Start Num: 54

Candidate Starts for Gwendoluna_2:

(Start: 54 @931 has 413 MA's), (69, 1024), (102, 1198), (111, 1219), (118, 1273), (120, 1309), (124, 1318),

Gene: Gwennie_1 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for Gwennie_1:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Gyzlar_4 Start: 1582, Stop: 2022, Start Num: 54

Candidate Starts for Gyzlar_4:

(16, 1393), (29, 1471), (35, 1528), (36, 1531), (Start: 54 @1582 has 413 MA's), (69, 1681), (102, 1855), (111, 1876), (118, 1930), (120, 1966), (124, 1975),

Gene: HINdeR_2 Start: 742, Stop: 1173, Start Num: 49

Candidate Starts for HINdeR_2:

(24, 598), (34, 658), (Start: 49 @742 has 5 MA's), (65, 826), (69, 838), (74, 853), (82, 889), (87, 958), (111, 1033), (116, 1075), (126, 1132),

Gene: Haizum_5 Start: 1727, Stop: 2161, Start Num: 47

Candidate Starts for Haizum_5:

(Start: 47 @1727 has 52 MA's), (Start: 68 @1823 has 2 MA's), (102, 2003), (115, 2042), (116, 2066),

Gene: HamSlice_1 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for HamSlice_1:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Hami1_2 Start: 929, Stop: 1363, Start Num: 54

Candidate Starts for Hami1_2:

(Start: 54 @929 has 413 MA's), (Start: 57 @941 has 6 MA's), (69, 1022), (102, 1196), (111, 1217), (118, 1271), (120, 1307), (124, 1316),

Gene: Hammer_5 Start: 2471, Stop: 2941, Start Num: 54

Candidate Starts for Hammer_5:

(Start: 54 @2471 has 413 MA's), (65, 2558), (82, 2633), (84, 2663), (98, 2747), (101, 2768), (111, 2792), (115, 2810),

Gene: HanShotFirst_3 Start: 1083, Stop: 1517, Start Num: 54

Candidate Starts for HanShotFirst_3:

(Start: 54 @1083 has 413 MA's), (69, 1176), (101, 1347), (102, 1350), (108, 1362), (111, 1371), (118, 1425), (120, 1461), (124, 1470),

Gene: Hank144_6 Start: 2016, Stop: 2453, Start Num: 46

Candidate Starts for Hank144_6:

(Start: 46 @2016 has 1 MA's), (Start: 47 @2022 has 52 MA's), (67, 2115), (Start: 68 @2118 has 2 MA's), (73, 2133), (102, 2298), (115, 2337), (116, 2361),

Gene: Hanray_4 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for Hanray_4:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: Happiness_2 Start: 802, Stop: 1233, Start Num: 50

Candidate Starts for Happiness_2:

(Start: 50 @802 has 285 MA's), (69, 898), (82, 949), (87, 1018), (111, 1093), (112, 1096), (115, 1111), (116, 1135), (119, 1174), (126, 1192), (129, 1207),

Gene: Harlequin_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Harlequin_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: HarryHoudini_6 Start: 2962, Stop: 3432, Start Num: 54

Candidate Starts for HarryHoudini_6:

(Start: 54 @2962 has 413 MA's), (65, 3046), (69, 3058), (76, 3082), (82, 3121), (84, 3151), (100, 3247), (101, 3256), (111, 3280), (123, 3379), (126, 3388),

Gene: HarryOW_4 Start: 1214, Stop: 1654, Start Num: 54

Candidate Starts for HarryOW_4:

(Start: 54 @1214 has 413 MA's), (69, 1313), (102, 1487), (111, 1508), (118, 1562), (120, 1598), (124, 1607),

Gene: HashRod_3 Start: 857, Stop: 1276, Start Num: 50

Candidate Starts for HashRod_3:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: HaveUMetTed_3 Start: 861, Stop: 1280, Start Num: 50

Candidate Starts for HaveUMetTed_3:

(Start: 47 @855 has 52 MA's), (Start: 50 @861 has 285 MA's), (Start: 57 @879 has 6 MA's), (102, 1131), (111, 1152), (123, 1242),

Gene: Heathen_2 Start: 709, Stop: 1182, Start Num: 37

Candidate Starts for Heathen_2:

(Start: 37 @709 has 2 MA's), (Start: 50 @754 has 285 MA's), (Start: 63 @832 has 3 MA's), (87, 970), (99, 1012), (102, 1024), (108, 1036), (111, 1045), (116, 1087), (119, 1126), (126, 1144),

Gene: Heffalump_6 Start: 3008, Stop: 3478, Start Num: 54

Candidate Starts for Heffalump_6:

(4, 2750), (11, 2789), (17, 2822), (Start: 54 @3008 has 413 MA's), (65, 3092), (76, 3128), (82, 3167), (84, 3197), (91, 3251), (100, 3293), (101, 3302), (111, 3326), (123, 3425), (126, 3434),

Gene: HelDan_2 Start: 709, Stop: 1182, Start Num: 37

Candidate Starts for HelDan_2:

(Start: 37 @709 has 2 MA's), (Start: 50 @754 has 285 MA's), (Start: 63 @832 has 3 MA's), (87, 970), (99, 1012), (102, 1024), (108, 1036), (111, 1045), (116, 1087), (119, 1126), (126, 1144),

Gene: Heliosoles_2 Start: 861, Stop: 1280, Start Num: 50

Candidate Starts for Heliosoles_2:

(Start: 47 @855 has 52 MA's), (Start: 50 @861 has 285 MA's), (Start: 57 @879 has 6 MA's), (102, 1131), (111, 1152), (123, 1242),

Gene: Helmet_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Helmet_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Herbertwm_2 Start: 750, Stop: 1241, Start Num: 54

Candidate Starts for Herbertwm_2:

(Start: 54 @750 has 413 MA's), (58, 789), (59, 792), (65, 834), (76, 870), (79, 897), (84, 939), (89, 984), (101, 1062), (111, 1086), (115, 1104), (116, 1128), (126, 1194),

Gene: Hercules11_2 Start: 850, Stop: 1275, Start Num: 47

Candidate Starts for Hercules11_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Hermia_3 Start: 1081, Stop: 1515, Start Num: 54

Candidate Starts for Hermia_3:

(Start: 54 @1081 has 413 MA's), (69, 1174), (102, 1348), (111, 1369), (118, 1423), (120, 1459), (124, 1468),

Gene: HermioneGrange_3 Start: 1079, Stop: 1519, Start Num: 54

Candidate Starts for HermioneGrange_3:

(Start: 54 @1079 has 413 MA's), (69, 1178), (102, 1352), (111, 1373), (118, 1427), (120, 1463), (124, 1472),

Gene: Hexamo_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Hexamo_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Hippo_5 Start: 1930, Stop: 2355, Start Num: 55

Candidate Starts for Hippo_5:

(23, 1780), (Start: 55 @1930 has 37 MA's), (Start: 68 @2020 has 2 MA's), (83, 2089), (102, 2200),

Gene: HippoHollow_5 Start: 2707, Stop: 3177, Start Num: 54

Candidate Starts for HippoHollow_5:

(9, 2476), (25, 2569), (Start: 54 @2707 has 413 MA's), (65, 2791), (69, 2803), (76, 2827), (82, 2866), (84, 2896), (100, 2992), (101, 3001), (111, 3025), (121, 3118), (123, 3124), (126, 3133),

Gene: Hiro_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Hiro_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Horex_4 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for Horex_4:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: Holli_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Holli_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Homines_3 Start: 1163, Stop: 1597, Start Num: 54

Candidate Starts for Homines_3:

(Start: 54 @1163 has 413 MA's), (69, 1256), (101, 1427), (102, 1430), (108, 1442), (111, 1451), (118, 1505), (120, 1541), (124, 1550),

Gene: Hookmount_2 Start: 784, Stop: 1212, Start Num: 50

Candidate Starts for Hookmount_2:

(Start: 50 @784 has 285 MA's), (Start: 63 @862 has 3 MA's), (87, 1000), (111, 1075), (116, 1117), (119, 1156), (126, 1174),

Gene: Hoot_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Hoot_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Hope4ever_3 Start: 1131, Stop: 1571, Start Num: 54

Candidate Starts for Hope4ever_3:

(20, 978), (26, 1005), (31, 1038), (Start: 54 @1131 has 413 MA's), (69, 1230), (102, 1404), (111, 1425), (118, 1479), (120, 1515), (124, 1524),

Gene: HortumSL17_5 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for HortumSL17_5:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: Houdini22_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Houdini22_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: HuhtaEnerson15_2 Start: 872, Stop: 1321, Start Num: 52

Candidate Starts for HuhtaEnerson15_2:

(11, 656), (14, 671), (15, 674), (17, 689), (18, 695), (21, 719), (44, 842), (Start: 52 @872 has 39 MA's), (69, 965), (71, 971), (76, 989), (83, 1040), (101, 1163), (111, 1187), (114, 1202),

Gene: Hutc2_5 Start: 2692, Stop: 3156, Start Num: 54

Candidate Starts for Hutc2_5:

(Start: 54 @2692 has 413 MA's), (65, 2776), (101, 2986), (111, 3010), (123, 3109), (126, 3118),

Gene: Huxley_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Huxley_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Hydra_7 Start: 2493, Stop: 2918, Start Num: 56

Candidate Starts for Hydra_7:

(Start: 47 @2484 has 52 MA's), (Start: 56 @2493 has 41 MA's), (67, 2580), (Start: 68 @2583 has 2 MA's), (102, 2763),

Gene: ICleared_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for ICleared_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: ILeeKay_4 Start: 1244, Stop: 1684, Start Num: 54

Candidate Starts for ILeeKay_4:

(Start: 54 @1244 has 413 MA's), (69, 1343), (102, 1517), (111, 1538), (118, 1592), (120, 1628), (124, 1637),

Gene: Iceman_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Iceman_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Ichabod_3 Start: 1080, Stop: 1520, Start Num: 54

Candidate Starts for Ichabod_3:

(Start: 54 @1080 has 413 MA's), (69, 1179), (101, 1350), (102, 1353), (108, 1365), (111, 1374), (118, 1428), (120, 1464), (124, 1473),

Gene: Idleandcovert_1 Start: 759, Stop: 1187, Start Num: 50

Candidate Starts for Idleandcovert_1:

(Start: 50 @759 has 285 MA's), (Start: 63 @837 has 3 MA's), (108, 1041), (111, 1050), (116, 1092), (119, 1131), (126, 1149),

Gene: IgnatiusPatJac_2 Start: 928, Stop: 1362, Start Num: 54

Candidate Starts for IgnatiusPatJac_2:

(Start: 54 @928 has 413 MA's), (69, 1021), (101, 1192), (102, 1195), (108, 1207), (111, 1216), (118, 1270), (120, 1306), (124, 1315),

Gene: Indigo_5 Start: 1956, Stop: 2381, Start Num: 56

Candidate Starts for Indigo_5:

(Start: 47 @1947 has 52 MA's), (Start: 56 @1956 has 41 MA's), (67, 2043), (Start: 68 @2046 has 2 MA's), (89, 2178), (102, 2226),

Gene: Indra_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Indra_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Insomnia_5 Start: 2689, Stop: 3153, Start Num: 54

Candidate Starts for Insomnia_5:

(Start: 54 @2689 has 413 MA's), (65, 2773), (101, 2983), (111, 3007), (123, 3106), (126, 3115),

Gene: Inyanga_3 Start: 1095, Stop: 1535, Start Num: 54

Candidate Starts for Inyanga_3:

(38, 1056), (Start: 54 @1095 has 413 MA's), (69, 1194), (102, 1368), (111, 1389), (118, 1443), (120, 1479), (124, 1488),

Gene: Iqorha_3 Start: 1095, Stop: 1535, Start Num: 54

Candidate Starts for Iqorha_3:

(38, 1056), (Start: 54 @1095 has 413 MA's), (69, 1194), (102, 1368), (111, 1389), (118, 1443), (120, 1479), (124, 1488),

Gene: Iracema64_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Iracema64_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: IronMan_5 Start: 2453, Stop: 2923, Start Num: 51

Candidate Starts for IronMan_5:

(Start: 51 @2453 has 74 MA's), (64, 2537), (70, 2555), (74, 2567), (82, 2615), (98, 2729), (101, 2750), (111, 2774), (126, 2882),

Gene: Isca_2 Start: 759, Stop: 1187, Start Num: 50

Candidate Starts for Isca_2:

(Start: 50 @759 has 285 MA's), (Start: 63 @837 has 3 MA's), (99, 1017), (102, 1029), (111, 1050), (116, 1092), (119, 1131), (126, 1149),

Gene: Isiphiwo_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Isiphiwo_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Issmi_6 Start: 2005, Stop: 2436, Start Num: 47

Candidate Starts for Issmi_6:

(Start: 47 @2005 has 52 MA's), (Start: 68 @2101 has 2 MA's), (102, 2281), (115, 2320), (116, 2344), (130, 2428),

Gene: Itza_5 Start: 2126, Stop: 2560, Start Num: 51

Candidate Starts for Itza_5:

(Start: 51 @2126 has 74 MA's), (64, 2207), (73, 2237), (96, 2387), (102, 2402), (121, 2513), (122, 2516),

Gene: Iwokeuplikedis_6 Start: 2698, Stop: 3174, Start Num: 51

Candidate Starts for Iwokeuplikedis_6:

(Start: 51 @2698 has 74 MA's), (65, 2785), (74, 2812), (82, 2860), (84, 2890), (92, 2956), (101, 2995), (111, 3019), (115, 3037), (116, 3061),

Gene: Izzy_6 Start: 2163, Stop: 2588, Start Num: 55

Candidate Starts for Izzy_6:

(33, 2079), (41, 2127), (Start: 55 @2163 has 37 MA's), (67, 2250), (Start: 68 @2253 has 2 MA's), (102, 2433),

Gene: JC27_4 Start: 1631, Stop: 2074, Start Num: 54

Candidate Starts for JC27_4:

(Start: 54 @1631 has 413 MA's), (81, 1775), (102, 1904), (104, 1907), (111, 1925), (118, 1979), (120, 2015), (126, 2033),

Gene: JF2_2 Start: 758, Stop: 1186, Start Num: 50

Candidate Starts for JF2_2:

(Start: 50 @758 has 285 MA's), (61, 821), (Start: 63 @836 has 3 MA's), (99, 1016), (102, 1028), (111, 1049), (116, 1091), (119, 1130), (126, 1148),

Gene: JF4_2 Start: 758, Stop: 1186, Start Num: 50

Candidate Starts for JF4_2:

(Start: 50 @758 has 285 MA's), (61, 821), (Start: 63 @836 has 3 MA's), (99, 1016), (102, 1028), (111, 1049), (116, 1091), (119, 1130), (126, 1148),

Gene: JHC117_2 Start: 874, Stop: 1275, Start Num: 57

Candidate Starts for JHC117_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: JSwag_5 Start: 2610, Stop: 3065, Start Num: 54

Candidate Starts for JSwag_5:

(5, 2364), (6, 2370), (Start: 47 @2604 has 52 MA's), (Start: 54 @2610 has 413 MA's), (82, 2769), (101, 2904), (111, 2928), (112, 2931), (123, 3027),

Gene: Jaan_5 Start: 2449, Stop: 2919, Start Num: 51

Candidate Starts for Jaan_5:

(Start: 51 @2449 has 74 MA's), (64, 2533), (70, 2551), (74, 2563), (82, 2611), (98, 2725), (101, 2746), (111, 2770), (126, 2878),

Gene: Jabiru_2 Start: 839, Stop: 1288, Start Num: 52

Candidate Starts for Jabiru_2:

(3, 578), (11, 623), (14, 638), (17, 656), (30, 734), (44, 809), (Start: 52 @839 has 39 MA's), (71, 938), (83, 1007), (101, 1130), (111, 1154), (114, 1169),

Gene: Jabith_5 Start: 2689, Stop: 3153, Start Num: 54

Candidate Starts for Jabith_5:

(Start: 54 @2689 has 413 MA's), (65, 2773), (101, 2983), (111, 3007), (123, 3106), (126, 3115),

Gene: JackSparrow_2 Start: 927, Stop: 1367, Start Num: 54

Candidate Starts for JackSparrow_2:

(Start: 54 @927 has 413 MA's), (69, 1026), (102, 1200), (111, 1221), (118, 1275), (120, 1311), (124, 1320),

Gene: Janus_6 Start: 2074, Stop: 2505, Start Num: 47

Candidate Starts for Janus_6:

(Start: 47 @2074 has 52 MA's), (Start: 68 @2170 has 2 MA's), (71, 2179), (89, 2302), (102, 2350), (115, 2389), (116, 2413), (130, 2497),

Gene: Jash_6 Start: 2116, Stop: 2541, Start Num: 55

Candidate Starts for Jash_6:

(33, 2032), (41, 2080), (Start: 55 @2116 has 37 MA's), (67, 2203), (Start: 68 @2206 has 2 MA's), (102, 2386),

Gene: Jasper_4 Start: 1356, Stop: 1790, Start Num: 54

Candidate Starts for Jasper_4:

(Start: 54 @1356 has 413 MA's), (69, 1449), (102, 1623), (111, 1644), (118, 1698), (120, 1734), (124, 1743),

Gene: Jaykayelowell_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Jaykayelowell_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Jeeves_5 Start: 2750, Stop: 3223, Start Num: 50

Candidate Starts for Jeeves_5:

(Start: 50 @2750 has 285 MA's), (69, 2849), (74, 2864), (76, 2873), (82, 2912), (84, 2942), (100, 3038), (101, 3047), (111, 3071),

Gene: Jeffabunny_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Jeffabunny_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: JenCasNa_2 Start: 850, Stop: 1275, Start Num: 47

Candidate Starts for JenCasNa_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: JeppNRM_3 Start: 861, Stop: 1280, Start Num: 50

Candidate Starts for JeppNRM_3:

(Start: 47 @855 has 52 MA's), (Start: 50 @861 has 285 MA's), (Start: 57 @879 has 6 MA's), (102, 1131), (111, 1152), (123, 1242),

Gene: Jerm_6 Start: 2884, Stop: 3354, Start Num: 54

Candidate Starts for Jerm_6:

(Start: 54 @2884 has 413 MA's), (65, 2968), (69, 2980), (76, 3004), (82, 3043), (84, 3073), (100, 3169), (101, 3178), (111, 3202), (123, 3301), (126, 3310),

Gene: Jerm2_3 Start: 1079, Stop: 1519, Start Num: 54

Candidate Starts for Jerm2_3:

(Start: 54 @1079 has 413 MA's), (69, 1178), (102, 1352), (111, 1373), (118, 1427), (120, 1463), (124, 1472),

Gene: Jester_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Jester_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: JetBlade_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for JetBlade_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Jevington_7 Start: 2296, Stop: 2727, Start Num: 47

Candidate Starts for Jevington_7:

(Start: 47 @2296 has 52 MA's), (Start: 68 @2392 has 2 MA's), (89, 2524), (102, 2572), (115, 2611), (116, 2635), (130, 2719),

Gene: JewelBug_5 Start: 2483, Stop: 2953, Start Num: 54

Candidate Starts for JewelBug_5:

(Start: 54 @2483 has 413 MA's), (65, 2570), (69, 2582), (82, 2645), (84, 2675), (87, 2714), (90, 2726), (101, 2780), (111, 2804), (126, 2915),

Gene: Jhitchelle_4 Start: 1700, Stop: 2128, Start Num: 55

Candidate Starts for Jhitchelle_4:

(Start: 55 @1700 has 37 MA's), (64, 1775), (102, 1970),

Gene: Jiawan_4 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for Jiawan_4:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: Jobu08_2 Start: 850, Stop: 1275, Start Num: 47

Candidate Starts for Jobu08_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: JoongJeon_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for JoongJeon_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Jordennis_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Jordennis_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Jorgensen_3 Start: 1164, Stop: 1604, Start Num: 54

Candidate Starts for Jorgensen_3:

(Start: 54 @1164 has 413 MA's), (69, 1263), (102, 1437), (111, 1458), (118, 1512), (120, 1548), (124, 1557),

Gene: Joselito_5 Start: 2689, Stop: 3153, Start Num: 54

Candidate Starts for Joselito_5:

(Start: 54 @2689 has 413 MA's), (65, 2773), (101, 2983), (111, 3007), (123, 3106), (126, 3115),

Gene: JoshKayV_6 Start: 2899, Stop: 3369, Start Num: 54

Candidate Starts for JoshKayV_6:

(Start: 54 @2899 has 413 MA's), (65, 2983), (76, 3019), (82, 3058), (84, 3088), (92, 3154), (100, 3184), (101, 3193), (111, 3217), (123, 3316), (126, 3325),

Gene: Journey13_5 Start: 2757, Stop: 3224, Start Num: 54

Candidate Starts for Journey13_5:

(Start: 54 @2757 has 413 MA's), (65, 2841), (69, 2853), (76, 2877), (82, 2916), (101, 3051), (104, 3057), (111, 3075), (126, 3183),

Gene: Jovo_2 Start: 872, Stop: 1321, Start Num: 52

Candidate Starts for Jovo_2:

(11, 656), (14, 671), (15, 674), (17, 689), (18, 695), (21, 719), (44, 842), (Start: 52 @872 has 39 MA's), (69, 965), (71, 971), (76, 989), (83, 1040), (101, 1163), (111, 1187), (114, 1202),

Gene: Jsquared_5 Start: 2660, Stop: 3127, Start Num: 54

Candidate Starts for Jsquared_5:

(Start: 54 @2660 has 413 MA's), (65, 2744), (69, 2756), (74, 2771), (82, 2819), (84, 2849), (85, 2879), (100, 2945), (101, 2954), (111, 2978), (126, 3086),

Gene: Juicebox_2 Start: 862, Stop: 1284, Start Num: 56

Candidate Starts for Juicebox_2:

(2, 583), (27, 727), (Start: 56 @862 has 41 MA's), (72, 955), (94, 1099), (95, 1105), (108, 1138), (111, 1147), (112, 1150), (114, 1162), (117, 1195), (123, 1249),

Gene: JuliaChild_4 Start: 1366, Stop: 1806, Start Num: 54

Candidate Starts for JuliaChild_4:

(Start: 54 @1366 has 413 MA's), (69, 1465), (102, 1639), (111, 1660), (118, 1714), (120, 1750), (124, 1759),

Gene: KADY_3 Start: 857, Stop: 1276, Start Num: 50

Candidate Starts for KADY_3:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: KBG_3 Start: 1367, Stop: 1801, Start Num: 54

Candidate Starts for KBG_3:

(Start: 54 @1367 has 413 MA's), (69, 1460), (102, 1634), (111, 1655), (118, 1709), (120, 1745), (124, 1754),

Gene: KFPoly_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for KFPoly_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: KSSJEB_2 Start: 938, Stop: 1378, Start Num: 54

Candidate Starts for KSSJEB_2:

(Start: 54 @938 has 413 MA's), (69, 1037), (102, 1211), (111, 1232), (118, 1286), (120, 1322), (124, 1331),

Gene: Kachowdy_2 Start: 754, Stop: 1182, Start Num: 50

Candidate Starts for Kachowdy_2:

(Start: 37 @709 has 2 MA's), (Start: 50 @754 has 285 MA's), (Start: 63 @832 has 3 MA's), (87, 970), (99, 1012), (102, 1024), (108, 1036), (111, 1045), (116, 1087), (119, 1126), (126, 1144),

Gene: Kaine_5 Start: 1775, Stop: 2203, Start Num: 55

Candidate Starts for Kaine_5:

(Start: 55 @1775 has 37 MA's), (64, 1850), (67, 1862), (Start: 68 @1865 has 2 MA's), (71, 1874), (73, 1880), (102, 2045), (121, 2156), (122, 2159),

Gene: Kalb97_3 Start: 858, Stop: 1277, Start Num: 50

Candidate Starts for Kalb97_3:

(Start: 47 @852 has 52 MA's), (Start: 50 @858 has 285 MA's), (Start: 57 @876 has 6 MA's), (102, 1128), (111, 1149), (123, 1239),

Gene: Kalnoky_3 Start: 861, Stop: 1280, Start Num: 50

Candidate Starts for Kalnoky_3:

(Start: 47 @855 has 52 MA's), (Start: 50 @861 has 285 MA's), (Start: 57 @879 has 6 MA's), (102, 1131), (111, 1152), (123, 1242),

Gene: Kalpine_5 Start: 2894, Stop: 3364, Start Num: 54

Candidate Starts for Kalpine_5:

(12, 2681), (17, 2711), (Start: 54 @2894 has 413 MA's), (65, 2978), (76, 3014), (82, 3053), (84, 3083), (100, 3179), (101, 3188), (111, 3212), (123, 3311), (126, 3320),

Gene: Kamy_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Kamy_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Kanely_4 Start: 1628, Stop: 2062, Start Num: 54

Candidate Starts for Kanely_4:

(Start: 54 @1628 has 413 MA's), (69, 1721), (102, 1895), (111, 1916), (118, 1970), (120, 2006), (124, 2015),

Gene: Katalie_6 Start: 2202, Stop: 2627, Start Num: 56

Candidate Starts for Katalie_6:

(Start: 47 @2193 has 52 MA's), (Start: 56 @2202 has 41 MA's), (Start: 68 @2292 has 2 MA's), (88, 2421), (102, 2472),

Gene: Katalie136_2 Start: 807, Stop: 1235, Start Num: 50

Candidate Starts for Katalie136_2:

(Start: 50 @807 has 285 MA's), (65, 891), (69, 903), (82, 954), (87, 1023), (111, 1098), (112, 1101), (115, 1116), (116, 1140), (123, 1188), (126, 1197), (129, 1212),

Gene: KatherineG_5 Start: 2757, Stop: 3212, Start Num: 54

Candidate Starts for KatherineG_5:

(5, 2511), (6, 2517), (Start: 47 @2751 has 52 MA's), (Start: 54 @2757 has 413 MA's), (74, 2868), (82, 2916), (101, 3051), (111, 3075), (112, 3078), (123, 3174),

Gene: Kazan_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Kazan_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: KekoraPapaka_1 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for KekoraPapaka_1:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Kenmech_3 Start: 1089, Stop: 1523, Start Num: 54

Candidate Starts for Kenmech_3:

(Start: 54 @1089 has 413 MA's), (69, 1182), (101, 1353), (102, 1356), (108, 1368), (111, 1377), (118, 1431), (120, 1467), (124, 1476),

Gene: Kerberos_5 Start: 2677, Stop: 3144, Start Num: 54

Candidate Starts for Kerberos_5:

(Start: 47 @2671 has 52 MA's), (Start: 54 @2677 has 413 MA's), (65, 2761), (69, 2773), (76, 2797), (77, 2806), (82, 2836), (84, 2866), (101, 2971), (111, 2995), (123, 3094), (126, 3103),

Gene: Keziacharles14_5 Start: 2540, Stop: 3013, Start Num: 51

Candidate Starts for Keziacharles14_5:

(17, 2360), (30, 2438), (32, 2450), (Start: 51 @2540 has 74 MA's), (79, 2690), (82, 2702), (101, 2837), (111, 2861), (119, 2951), (123, 2960),

Gene: KikiBouba_3 Start: 1081, Stop: 1515, Start Num: 54

Candidate Starts for KikiBouba_3:

(Start: 54 @1081 has 413 MA's), (69, 1174), (102, 1348), (111, 1369), (118, 1423), (120, 1459), (124, 1468),

Gene: Killigrew_2 Start: 927, Stop: 1367, Start Num: 54

Candidate Starts for Killigrew_2:

(Start: 54 @927 has 413 MA's), (69, 1026), (102, 1200), (111, 1221), (118, 1275), (120, 1311), (124, 1320),

Gene: Kimba_5 Start: 2689, Stop: 3153, Start Num: 54

Candidate Starts for Kimba_5:

(Start: 54 @2689 has 413 MA's), (65, 2773), (101, 2983), (111, 3007), (123, 3106), (126, 3115),

Gene: Kimona_2 Start: 910, Stop: 1341, Start Num: 50

Candidate Starts for Kimona_2:

(Start: 50 @910 has 285 MA's), (62, 979), (69, 1006), (87, 1126), (89, 1132), (111, 1201), (119, 1282), (126, 1300),

Gene: KingCyrus_6 Start: 2883, Stop: 3353, Start Num: 54

Candidate Starts for KingCyrus_6:

(9, 2652), (25, 2745), (Start: 54 @2883 has 413 MA's), (65, 2967), (76, 3003), (82, 3042), (84, 3072), (100, 3168), (101, 3177), (111, 3201), (123, 3300), (126, 3309),

Gene: Kingmustik0402_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Kingmustik0402_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Kinmap_5 Start: 2819, Stop: 3289, Start Num: 54

Candidate Starts for Kinmap_5:

(Start: 47 @2813 has 52 MA's), (Start: 54 @2819 has 413 MA's), (Start: 63 @2897 has 3 MA's), (74, 2930), (85, 3038), (100, 3104), (101, 3113), (111, 3137), (114, 3152),

Gene: Kipper29_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Kipper29_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: KittenMittens_2 Start: 805, Stop: 1236, Start Num: 50

Candidate Starts for KittenMittens_2:

(Start: 50 @805 has 285 MA's), (64, 886), (80, 943), (102, 1075), (108, 1087), (111, 1096), (123, 1186), (126, 1195),

Gene: Klodlith_5 Start: 2435, Stop: 2905, Start Num: 51

Candidate Starts for Klodlith_5:

(Start: 51 @2435 has 74 MA's), (82, 2594), (100, 2720), (101, 2729), (111, 2753), (113, 2765), (123, 2852), (126, 2861),

Gene: Koan_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Koan_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Koduck_5 Start: 2657, Stop: 3124, Start Num: 54

Candidate Starts for Koduck_5:

(Start: 54 @2657 has 413 MA's), (65, 2741), (69, 2753), (74, 2768), (82, 2816), (84, 2846), (85, 2876), (100, 2942), (101, 2951), (111, 2975), (123, 3074), (126, 3083),

Gene: Koko_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Koko_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Koreni_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Koreni_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Kratark_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Kratark_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Kremtemulon_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Kremtemulon_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Krishelle_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Krishelle_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Kristoff_3 Start: 962, Stop: 1393, Start Num: 50

Candidate Starts for Kristoff_3:

(Start: 48 @959 has 2 MA's), (Start: 50 @962 has 285 MA's), (64, 1043), (74, 1073), (80, 1100), (102, 1232), (108, 1244), (111, 1253), (123, 1343), (126, 1352),

Gene: Kugel_5 Start: 1434, Stop: 1868, Start Num: 54

Candidate Starts for Kugel_5:

(Start: 54 @1434 has 413 MA's), (Start: 57 @1446 has 6 MA's), (69, 1527), (102, 1701), (111, 1722), (118, 1776), (120, 1812), (124, 1821),

Gene: KyMonks1A_4 Start: 1294, Stop: 1734, Start Num: 54

Candidate Starts for KyMonks1A_4:

(Start: 54 @1294 has 413 MA's), (69, 1393), (101, 1564), (102, 1567), (108, 1579), (111, 1588), (118, 1642), (120, 1678), (124, 1687),

Gene: Kyee_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Kyee_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Kykar_2 Start: 928, Stop: 1368, Start Num: 54

Candidate Starts for Kykar_2:

(Start: 54 @928 has 413 MA's), (69, 1027), (102, 1201), (111, 1222), (118, 1276), (120, 1312), (124, 1321),

Gene: L5_5 Start: 2665, Stop: 3132, Start Num: 54

Candidate Starts for L5_5:

(Start: 54 @2665 has 413 MA's), (65, 2749), (69, 2761), (74, 2776), (82, 2824), (84, 2854), (85, 2884), (100, 2950), (101, 2959), (111, 2983), (123, 3082), (126, 3091),

Gene: LBerry_2 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for LBerry_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: LHTSCC_2 Start: 800, Stop: 1231, Start Num: 50

Candidate Starts for LHTSCC_2:

(Start: 50 @800 has 285 MA's), (69, 896), (82, 947), (87, 1016), (111, 1091), (112, 1094), (115, 1109), (116, 1133), (126, 1190), (129, 1205),

Gene: LadyBird_5 Start: 2799, Stop: 3269, Start Num: 54

Candidate Starts for LadyBird_5:

(Start: 54 @2799 has 413 MA's), (65, 2883), (76, 2919), (82, 2958), (84, 2988), (100, 3084), (101, 3093), (111, 3117), (123, 3216), (126, 3225),

Gene: Lambert1_2 Start: 784, Stop: 1212, Start Num: 50

Candidate Starts for Lambert1_2:

(Start: 50 @784 has 285 MA's), (Start: 63 @862 has 3 MA's), (87, 1000), (111, 1075), (116, 1117), (119, 1156), (126, 1174),

Gene: Lamina13_3 Start: 1081, Stop: 1515, Start Num: 54

Candidate Starts for Lamina13_3:

(Start: 54 @1081 has 413 MA's), (69, 1174), (102, 1348), (111, 1369), (118, 1423), (120, 1459), (124, 1468),

Gene: Landor_5 Start: 2451, Stop: 2921, Start Num: 51

Candidate Starts for Landor_5:

(Start: 51 @2451 has 74 MA's), (64, 2535), (70, 2553), (74, 2565), (82, 2613), (98, 2727), (101, 2748), (111, 2772), (126, 2880),

Gene: Lannister_6 Start: 1938, Stop: 2363, Start Num: 56

Candidate Starts for Lannister_6:

(Start: 47 @1929 has 52 MA's), (Start: 56 @1938 has 41 MA's), (Start: 68 @2028 has 2 MA's), (83, 2097), (102, 2208), (116, 2271),

Gene: LappelDuVide_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for LappelDuVide_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Larenn_6 Start: 2913, Stop: 3383, Start Num: 54

Candidate Starts for Larenn_6:

(17, 2730), (Start: 54 @2913 has 413 MA's), (65, 2997), (69, 3009), (76, 3033), (82, 3072), (84, 3102), (100, 3198), (101, 3207), (111, 3231), (123, 3330), (126, 3339),

Gene: LarryKay_2 Start: 857, Stop: 1276, Start Num: 50

Candidate Starts for LarryKay_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: LastResort_5 Start: 2610, Stop: 3065, Start Num: 54

Candidate Starts for LastResort_5:

(5, 2364), (6, 2370), (Start: 47 @2604 has 52 MA's), (Start: 54 @2610 has 413 MA's), (82, 2769), (101, 2904), (111, 2928), (112, 2931), (123, 3027),

Gene: Legacy_5 Start: 1936, Stop: 2361, Start Num: 56

Candidate Starts for Legacy_5:

(Start: 47 @1927 has 52 MA's), (Start: 56 @1936 has 41 MA's), (67, 2023), (Start: 68 @2026 has 2 MA's), (102, 2206),

Gene: Lemur_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Lemur_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: LeoAvram_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for LeoAvram_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Leogania_5 Start: 2655, Stop: 3128, Start Num: 51

Candidate Starts for Leogania_5:

(Start: 51 @2655 has 74 MA's), (65, 2742), (76, 2778), (82, 2817), (100, 2943), (101, 2952), (111, 2976), (121, 3069), (123, 3075), (126, 3084),

Gene: Lesedi_2 Start: 930, Stop: 1370, Start Num: 54

Candidate Starts for Lesedi_2:

(Start: 54 @930 has 413 MA's), (69, 1029), (102, 1203), (111, 1224), (118, 1278), (120, 1314), (124, 1323),

Gene: Lev2_2 Start: 871, Stop: 1320, Start Num: 52

Candidate Starts for Lev2_2:

(11, 655), (14, 670), (15, 673), (17, 688), (18, 694), (21, 718), (44, 841), (Start: 52 @871 has 39 MA's), (69, 964), (71, 970), (76, 988), (83, 1039), (101, 1162), (111, 1186), (114, 1201),

Gene: Levia_2 Start: 930, Stop: 1370, Start Num: 54

Candidate Starts for Levia_2:

(Start: 54 @930 has 413 MA's), (69, 1029), (102, 1203), (111, 1224), (118, 1278), (120, 1314), (124, 1323),

Gene: Leviathan_6 Start: 2883, Stop: 3353, Start Num: 54

Candidate Starts for Leviathan_6:

(Start: 54 @2883 has 413 MA's), (65, 2967), (69, 2979), (76, 3003), (82, 3042), (84, 3072), (100, 3168), (101, 3177), (111, 3201), (123, 3300), (126, 3309),

Gene: Leviticus_5 Start: 1956, Stop: 2381, Start Num: 56

Candidate Starts for Leviticus_5:

(Start: 47 @1947 has 52 MA's), (Start: 56 @1956 has 41 MA's), (67, 2043), (Start: 68 @2046 has 2 MA's), (89, 2178), (102, 2226),

Gene: Licorice_5 Start: 1792, Stop: 2232, Start Num: 54

Candidate Starts for Licorice_5:

(16, 1603), (29, 1681), (35, 1738), (36, 1741), (Start: 54 @1792 has 413 MA's), (69, 1891), (102, 2065), (111, 2086), (118, 2140), (120, 2176), (124, 2185),

Gene: Lika_5 Start: 1935, Stop: 2360, Start Num: 56

Candidate Starts for Lika_5:

(Start: 47 @1926 has 52 MA's), (Start: 56 @1935 has 41 MA's), (Start: 68 @2025 has 2 MA's), (83, 2094), (102, 2205),

Gene: LilBib_2 Start: 931, Stop: 1371, Start Num: 54

Candidate Starts for LilBib_2:

(Start: 54 @931 has 413 MA's), (69, 1030), (102, 1204), (111, 1225), (118, 1279), (120, 1315), (124, 1324),

Gene: LilTurb_6 Start: 2884, Stop: 3354, Start Num: 54

Candidate Starts for LilTurb_6:

(Start: 54 @2884 has 413 MA's), (65, 2968), (69, 2980), (76, 3004), (82, 3043), (84, 3073), (100, 3169), (101, 3178), (111, 3202), (123, 3301), (126, 3310),

Gene: Lilbunny_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Lilbunny_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Lilith_2 Start: 875, Stop: 1276, Start Num: 57

Candidate Starts for Lilith_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: Lilleskat_3 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for Lilleskat_3:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: Lillie_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Lillie_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: LionsBait_5 Start: 2701, Stop: 3171, Start Num: 54

Candidate Starts for LionsBait_5:

(9, 2470), (25, 2563), (Start: 54 @2701 has 413 MA's), (65, 2785), (69, 2797), (76, 2821), (82, 2860), (84, 2890), (100, 2986), (101, 2995), (111, 3019), (121, 3112), (123, 3118), (126, 3127),

Gene: LittleB_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for LittleB_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: LittleCherry_2 Start: 873, Stop: 1322, Start Num: 52

Candidate Starts for LittleCherry_2:

(Start: 52 @873 has 39 MA's), (69, 966), (71, 972), (76, 990), (83, 1041), (101, 1164), (111, 1188), (114, 1203),

Gene: LittleGuy_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for LittleGuy_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: LochMonster_2 Start: 801, Stop: 1232, Start Num: 50

Candidate Starts for LochMonster_2:

(Start: 50 @801 has 285 MA's), (69, 897), (82, 948), (87, 1017), (111, 1092), (112, 1095), (115, 1110), (116, 1134), (119, 1173), (126, 1191), (129, 1206),

Gene: Lockley_3 Start: 1070, Stop: 1504, Start Num: 54

Candidate Starts for Lockley_3:

(Start: 54 @1070 has 413 MA's), (69, 1163), (102, 1337), (111, 1358), (118, 1412), (120, 1448), (124, 1457),

Gene: LogiBear_5 Start: 2669, Stop: 3124, Start Num: 54

Candidate Starts for LogiBear_5:

(Start: 54 @2669 has 413 MA's), (69, 2765), (82, 2828), (84, 2858), (101, 2963), (111, 2987), (112, 2990), (126, 3092),

Gene: Lokk_6 Start: 2873, Stop: 3343, Start Num: 54

Candidate Starts for Lokk_6:

(Start: 47 @2867 has 52 MA's), (Start: 54 @2873 has 413 MA's), (69, 2969), (76, 2993), (82, 3032), (101, 3167), (111, 3191), (121, 3284), (123, 3290), (126, 3299),

Gene: LoneWolf_5 Start: 2433, Stop: 2906, Start Num: 51

Candidate Starts for LoneWolf_5:

(Start: 51 @2433 has 74 MA's), (82, 2595), (100, 2721), (101, 2730), (111, 2754), (123, 2853),

Gene: Loofah_6 Start: 1802, Stop: 2233, Start Num: 47

Candidate Starts for Loofah_6:

(Start: 45 @1793 has 1 MA's), (Start: 47 @1802 has 52 MA's), (Start: 68 @1898 has 2 MA's), (91, 2039), (102, 2078), (116, 2141), (128, 2216),

Gene: Looper_5 Start: 2610, Stop: 3065, Start Num: 54

Candidate Starts for Looper_5:

(5, 2364), (6, 2370), (Start: 47 @2604 has 52 MA's), (Start: 54 @2610 has 413 MA's), (82, 2769), (101, 2904), (111, 2928), (112, 2931), (123, 3027),

Gene: Lopton_3 Start: 1172, Stop: 1612, Start Num: 54

Candidate Starts for Lopton_3:

(Start: 54 @1172 has 413 MA's), (69, 1271), (102, 1445), (111, 1466), (118, 1520), (120, 1556), (124, 1565),

Gene: Lorelei_5 Start: 1928, Stop: 2353, Start Num: 55

Candidate Starts for Lorelei_5:

(Start: 55 @1928 has 37 MA's), (Start: 68 @2018 has 2 MA's), (83, 2087), (102, 2198),

Gene: Lorenzo_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Lorenzo_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Loser_5 Start: 2612, Stop: 3082, Start Num: 54

Candidate Starts for Loser_5:

(9, 2381), (25, 2474), (Start: 54 @2612 has 413 MA's), (65, 2696), (69, 2708), (82, 2771), (84, 2801), (87, 2840), (90, 2852), (100, 2897), (101, 2906), (111, 2930), (121, 3023), (123, 3029), (126, 3038),

Gene: Louie6_2 Start: 857, Stop: 1276, Start Num: 50

Candidate Starts for Louie6_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: Lowa_2 Start: 919, Stop: 1275, Start Num: 61

Candidate Starts for Lowa_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Luchador_5 Start: 2735, Stop: 3208, Start Num: 51

Candidate Starts for Luchador_5:

(Start: 51 @2735 has 74 MA's), (69, 2834), (74, 2849), (76, 2858), (82, 2897), (84, 2927), (100, 3023), (101, 3032), (111, 3056),

Gene: Lucivia_5 Start: 2686, Stop: 3150, Start Num: 54

Candidate Starts for Lucivia_5:

(Start: 54 @2686 has 413 MA's), (65, 2770), (101, 2980), (111, 3004), (123, 3103), (126, 3112),

Gene: Lucyedi_5 Start: 2452, Stop: 2928, Start Num: 51

Candidate Starts for Lucyedi_5:

(Start: 51 @2452 has 74 MA's), (76, 2575), (101, 2749), (111, 2773), (114, 2788), (123, 2875), (126, 2884),

Gene: LugYA_4 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for LugYA_4:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: LunarLander_3 Start: 1130, Stop: 1564, Start Num: 54

Candidate Starts for LunarLander_3:

(Start: 54 @1130 has 413 MA's), (69, 1223), (102, 1397), (111, 1418), (118, 1472), (120, 1508), (124, 1517),

Gene: Lunsford_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Lunsford_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: MA5_2 Start: 768, Stop: 1199, Start Num: 50

Candidate Starts for MA5_2:

(Start: 50 @768 has 285 MA's), (61, 831), (Start: 63 @846 has 3 MA's), (69, 864), (99, 1026), (102, 1038), (111, 1059), (116, 1101), (119, 1140), (126, 1158),

Gene: MK4_2 Start: 758, Stop: 1186, Start Num: 50

Candidate Starts for MK4_2:

(Start: 50 @758 has 285 MA's), (61, 821), (Start: 63 @836 has 3 MA's), (99, 1016), (102, 1028), (111, 1049), (116, 1091), (119, 1130), (126, 1148),

Gene: MPlant7149_3 Start: 1079, Stop: 1519, Start Num: 54

Candidate Starts for MPlant7149_3:

(Start: 54 @1079 has 413 MA's), (69, 1178), (102, 1352), (111, 1373), (118, 1427), (120, 1463), (124, 1472),

Gene: MaCh_5 Start: 2686, Stop: 3150, Start Num: 54

Candidate Starts for MaCh_5:

(Start: 54 @2686 has 413 MA's), (65, 2770), (101, 2980), (111, 3004), (123, 3103), (126, 3112),

Gene: Mabel_5 Start: 2701, Stop: 3165, Start Num: 54

Candidate Starts for Mabel_5:

(Start: 54 @2701 has 413 MA's), (65, 2785), (101, 2995), (111, 3019), (123, 3118), (126, 3127),

Gene: MadMarie_2 Start: 857, Stop: 1276, Start Num: 50

Candidate Starts for MadMarie_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: Magnar_3 Start: 1095, Stop: 1535, Start Num: 54

Candidate Starts for Magnar_3:

(Start: 39 @1056 has 1 MA's), (Start: 54 @1095 has 413 MA's), (69, 1194), (101, 1365), (102, 1368), (108, 1380), (111, 1389), (118, 1443), (120, 1479), (124, 1488),

Gene: Magnito_2 Start: 929, Stop: 1369, Start Num: 54

Candidate Starts for Magnito_2:

(Start: 54 @929 has 413 MA's), (69, 1028), (102, 1202), (111, 1223), (118, 1277), (120, 1313), (124, 1322),

Gene: Mainiac_2 Start: 857, Stop: 1276, Start Num: 50

Candidate Starts for Mainiac_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: MajorMajor_4 Start: 2661, Stop: 3128, Start Num: 54

Candidate Starts for MajorMajor_4:

(Start: 54 @2661 has 413 MA's), (65, 2745), (69, 2757), (74, 2772), (82, 2820), (84, 2850), (85, 2880), (100, 2946), (101, 2955), (111, 2979), (126, 3087),

Gene: Makemake_3 Start: 1395, Stop: 1829, Start Num: 54

Candidate Starts for Makemake_3:

(Start: 54 @1395 has 413 MA's), (69, 1488), (102, 1662), (111, 1683), (118, 1737), (120, 1773), (124, 1782),

Gene: MalagasyRose_6 Start: 1600, Stop: 2064, Start Num: 56

Candidate Starts for MalagasyRose_6:

(Start: 56 @1600 has 41 MA's), (66, 1684), (78, 1738), (83, 1771), (86, 1822), (110, 1903), (126, 2017), (128, 2029),

Gene: Malec_6 Start: 2913, Stop: 3383, Start Num: 54

Candidate Starts for Malec_6:

(17, 2730), (Start: 54 @2913 has 413 MA's), (65, 2997), (69, 3009), (76, 3033), (82, 3072), (84, 3102), (100, 3198), (101, 3207), (111, 3231), (123, 3330), (126, 3339),

Gene: Malinsilva_4 Start: 850, Stop: 1275, Start Num: 47

Candidate Starts for Malinsilva_4:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Maminiaina_5 Start: 2435, Stop: 2908, Start Num: 51

Candidate Starts for Maminiaina_5:

(Start: 51 @2435 has 74 MA's), (69, 2534), (82, 2597), (100, 2723), (101, 2732), (111, 2756), (123, 2855),

Gene: Manatee_3 Start: 1078, Stop: 1518, Start Num: 54

Candidate Starts for Manatee_3:

(Start: 54 @1078 has 413 MA's), (69, 1177), (102, 1351), (111, 1372), (118, 1426), (120, 1462), (124, 1471),

Gene: Maneekul_5 Start: 1933, Stop: 2358, Start Num: 56

Candidate Starts for Maneekul_5:

(Start: 47 @1924 has 52 MA's), (Start: 56 @1933 has 41 MA's), (Start: 68 @2023 has 2 MA's), (102, 2203),

Gene: Manu_3 Start: 861, Stop: 1280, Start Num: 50

Candidate Starts for Manu_3:

(Start: 47 @855 has 52 MA's), (Start: 50 @861 has 285 MA's), (Start: 57 @879 has 6 MA's), (102, 1131), (111, 1152), (123, 1242),

Gene: MarQuardt_2 Start: 850, Stop: 1275, Start Num: 47

Candidate Starts for MarQuardt_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Marav_8 Start: 2646, Stop: 3077, Start Num: 47

Candidate Starts for Marav_8:

(Start: 47 @2646 has 52 MA's), (Start: 68 @2742 has 2 MA's), (71, 2751), (89, 2874), (102, 2922), (115, 2961), (116, 2985), (130, 3069),

Gene: Marcell_3 Start: 1074, Stop: 1508, Start Num: 54

Candidate Starts for Marcell_3:

(Start: 54 @1074 has 413 MA's), (69, 1167), (102, 1341), (111, 1362), (118, 1416), (120, 1452), (124, 1461),

Gene: Marchesa_2 Start: 754, Stop: 1182, Start Num: 50

Candidate Starts for Marchesa_2:

(Start: 37 @709 has 2 MA's), (Start: 50 @754 has 285 MA's), (Start: 63 @832 has 3 MA's), (99, 1012), (102, 1024), (111, 1045), (116, 1087), (126, 1144),

Gene: Marchy_3 Start: 1079, Stop: 1519, Start Num: 54

Candidate Starts for Marchy_3:

(Start: 54 @1079 has 413 MA's), (69, 1178), (102, 1352), (111, 1373), (118, 1427), (120, 1463), (124, 1472),

Gene: Marco3_2 Start: 928, Stop: 1362, Start Num: 54

Candidate Starts for Marco3_2:

(Start: 54 @928 has 413 MA's), (69, 1021), (102, 1195), (111, 1216), (118, 1270), (120, 1306), (124, 1315),

Gene: Marge_2 Start: 929, Stop: 1369, Start Num: 54

Candidate Starts for Marge_2:

(Start: 54 @929 has 413 MA's), (69, 1028), (101, 1199), (102, 1202), (108, 1214), (111, 1223), (118, 1277), (120, 1313), (124, 1322),

Gene: Margo_2 Start: 784, Stop: 1212, Start Num: 50

Candidate Starts for Margo_2:

(Start: 50 @784 has 285 MA's), (Start: 63 @862 has 3 MA's), (87, 1000), (111, 1075), (116, 1117), (119, 1156), (126, 1174),

Gene: Marie_2 Start: 850, Stop: 1275, Start Num: 47

Candidate Starts for Marie_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Marius_3 Start: 861, Stop: 1280, Start Num: 50

Candidate Starts for Marius_3:

(Start: 47 @855 has 52 MA's), (Start: 50 @861 has 285 MA's), (Start: 57 @879 has 6 MA's), (102, 1131), (111, 1152), (123, 1242),

Gene: Maroc7_2 Start: 932, Stop: 1372, Start Num: 54

Candidate Starts for Maroc7_2:

(Start: 54 @932 has 413 MA's), (69, 1031), (102, 1205), (111, 1226), (118, 1280), (120, 1316), (124, 1325),

Gene: Marsha_3 Start: 1391, Stop: 1825, Start Num: 54

Candidate Starts for Marsha_3:

(Start: 54 @1391 has 413 MA's), (69, 1484), (102, 1658), (111, 1679), (118, 1733), (120, 1769), (124, 1778),

Gene: MaryBeth_3 Start: 1082, Stop: 1522, Start Num: 54

Candidate Starts for MaryBeth_3:

(Start: 54 @1082 has 413 MA's), (69, 1181), (102, 1355), (111, 1376), (118, 1430), (120, 1466), (124, 1475),

Gene: MarysWell_1 Start: 840, Stop: 1289, Start Num: 52

Candidate Starts for MarysWell_1:

(11, 624), (14, 639), (17, 657), (44, 810), (Start: 52 @840 has 39 MA's), (69, 933), (71, 939), (76, 957), (83, 1008), (101, 1131), (111, 1155), (114, 1170),

Gene: Maverick_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Maverick_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Maxo_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Maxo_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Mayonnaise_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Mayonnaise_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Mazhar510_2 Start: 804, Stop: 1235, Start Num: 50

Candidate Starts for Mazhar510_2:

(Start: 50 @804 has 285 MA's), (69, 900), (82, 951), (87, 1020), (111, 1095), (112, 1098), (115, 1113), (116, 1137), (119, 1176), (126, 1194), (129, 1209),

Gene: McFly_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for McFly_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: McGuire_3 Start: 1080, Stop: 1514, Start Num: 54

Candidate Starts for McGuire_3:

(Start: 54 @1080 has 413 MA's), (69, 1173), (102, 1347), (111, 1368), (118, 1422), (120, 1458), (124, 1467),

Gene: McSinger_4 Start: 1206, Stop: 1646, Start Num: 54

Candidate Starts for McSinger_4:

(Start: 54 @1206 has 413 MA's), (69, 1305), (101, 1476), (102, 1479), (108, 1491), (111, 1500), (118, 1554), (120, 1590), (124, 1599),

Gene: Medusa_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Medusa_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: MeeZee_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for MeeZee_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: MegTheThird_5 Start: 2433, Stop: 2903, Start Num: 51

Candidate Starts for MegTheThird_5:

(14, 2235), (18, 2259), (44, 2406), (Start: 51 @2433 has 74 MA's), (82, 2592), (100, 2718), (101, 2727), (111, 2751), (113, 2763), (123, 2850), (126, 2859),

Gene: Melvin_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Melvin_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: MetalQZJ_3 Start: 1082, Stop: 1522, Start Num: 54

Candidate Starts for MetalQZJ_3:

(Start: 54 @1082 has 413 MA's), (69, 1181), (102, 1355), (111, 1376), (118, 1430), (120, 1466), (124, 1475),

Gene: Methuselah_2 Start: 851, Stop: 1276, Start Num: 47

Candidate Starts for Methuselah_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: Micasa_2 Start: 840, Stop: 1289, Start Num: 52

Candidate Starts for Micasa_2:

(11, 624), (14, 639), (17, 657), (44, 810), (Start: 52 @840 has 39 MA's), (69, 933), (71, 939), (76, 957), (83, 1008), (101, 1131), (111, 1155), (114, 1170),

Gene: Michley_3 Start: 1094, Stop: 1534, Start Num: 54

Candidate Starts for Michley_3:

(38, 1055), (Start: 54 @1094 has 413 MA's), (69, 1193), (102, 1367), (111, 1388), (118, 1442), (120, 1478), (124, 1487),

Gene: Microwolf_2 Start: 850, Stop: 1275, Start Num: 47

Candidate Starts for Microwolf_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: MiculUcigas_6 Start: 2959, Stop: 3429, Start Num: 54

Candidate Starts for MiculUcigas_6:

(Start: 54 @2959 has 413 MA's), (65, 3043), (69, 3055), (76, 3079), (82, 3118), (84, 3148), (100, 3244), (101, 3253), (111, 3277), (123, 3376), (126, 3385),

Gene: Midas2_2 Start: 840, Stop: 1289, Start Num: 52

Candidate Starts for Midas2_2:

(11, 624), (14, 639), (15, 642), (17, 657), (18, 663), (21, 687), (44, 810), (Start: 52 @840 has 39 MA's), (69, 933), (71, 939), (76, 957), (83, 1008), (101, 1131), (111, 1155), (114, 1170),

Gene: Miko_6 Start: 2851, Stop: 3321, Start Num: 54

Candidate Starts for Miko_6:

(Start: 47 @2845 has 52 MA's), (Start: 54 @2851 has 413 MA's), (69, 2947), (76, 2971), (82, 3010), (101, 3145), (111, 3169), (121, 3262), (123, 3268), (126, 3277),

Gene: Milcery_2 Start: 871, Stop: 1320, Start Num: 52

Candidate Starts for Milcery_2:

(11, 655), (14, 670), (15, 673), (17, 688), (18, 694), (21, 718), (44, 841), (Start: 52 @871 has 39 MA's), (69, 964), (71, 970), (76, 988), (83, 1039), (101, 1162), (111, 1186), (114, 1201),

Gene: MilleFeuille_2 Start: 937, Stop: 1377, Start Num: 54

Candidate Starts for MilleFeuille_2:

(Start: 54 @937 has 413 MA's), (69, 1036), (102, 1210), (111, 1231), (118, 1285), (120, 1321), (124, 1330),

Gene: Millski_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Millski_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: MinecraftSteve_6 Start: 2757, Stop: 3212, Start Num: 54

Candidate Starts for MinecraftSteve_6:

(5, 2511), (6, 2517), (Start: 47 @2751 has 52 MA's), (Start: 54 @2757 has 413 MA's), (82, 2916), (101, 3051), (111, 3075), (112, 3078), (123, 3174),

Gene: Minispark_4 Start: 2435, Stop: 2908, Start Num: 51

Candidate Starts for Minispark_4:

(Start: 51 @2435 has 74 MA's), (69, 2534), (82, 2597), (100, 2723), (101, 2732), (111, 2756), (123, 2855),

Gene: Miramae_2 Start: 800, Stop: 1228, Start Num: 50

Candidate Starts for Miramae_2:

(Start: 50 @800 has 285 MA's), (65, 884), (69, 896), (82, 947), (87, 1016), (111, 1091), (112, 1094), (115, 1109), (116, 1133), (119, 1172), (123, 1181), (126, 1190), (129, 1205),

Gene: Misomonster_4 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for Misomonster_4:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: MissWhite_5 Start: 2647, Stop: 3114, Start Num: 54

Candidate Starts for MissWhite_5:

(Start: 54 @2647 has 413 MA's), (65, 2731), (69, 2743), (76, 2767), (77, 2776), (82, 2806), (84, 2836), (101, 2941), (111, 2965), (126, 3073),

Gene: Mkhuseli_3 Start: 1096, Stop: 1536, Start Num: 54

Candidate Starts for Mkhuseli_3:

(38, 1057), (Start: 54 @1096 has 413 MA's), (69, 1195), (102, 1369), (111, 1390), (118, 1444), (120, 1480), (124, 1489),

Gene: Molly_4 Start: 1279, Stop: 1719, Start Num: 54

Candidate Starts for Molly_4:

(20, 1126), (26, 1153), (31, 1186), (Start: 54 @1279 has 413 MA's), (69, 1378), (102, 1552), (111, 1573), (118, 1627), (120, 1663), (124, 1672),

Gene: Monet_3 Start: 1081, Stop: 1521, Start Num: 54

Candidate Starts for Monet_3:

(Start: 54 @1081 has 413 MA's), (69, 1180), (102, 1354), (111, 1375), (118, 1429), (120, 1465), (124, 1474),

Gene: MoneyMay_2 Start: 850, Stop: 1275, Start Num: 47

Candidate Starts for MoneyMay_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Montavir_1 Start: 919, Stop: 1275, Start Num: 61

Candidate Starts for Montavir_1:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Moose_2 Start: 927, Stop: 1361, Start Num: 54

Candidate Starts for Moose_2:

(Start: 54 @927 has 413 MA's), (69, 1020), (102, 1194), (111, 1215), (118, 1269), (120, 1305), (124, 1314),

Gene: Morpher26_2 Start: 807, Stop: 1235, Start Num: 50

Candidate Starts for Morpher26_2:

(Start: 50 @807 has 285 MA's), (65, 891), (69, 903), (82, 954), (87, 1023), (111, 1098), (112, 1101), (115, 1116), (116, 1140), (123, 1188), (126, 1197), (129, 1212),

Gene: Morrow_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Morrow_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: MrGordo_3 Start: 1225, Stop: 1665, Start Num: 54

Candidate Starts for MrGordo_3:

(38, 1186), (Start: 54 @1225 has 413 MA's), (69, 1324), (102, 1498), (111, 1519), (118, 1573), (120, 1609), (124, 1618),

Gene: Mryolo_2 Start: 931, Stop: 1371, Start Num: 54

Candidate Starts for Mryolo_2:

(Start: 54 @931 has 413 MA's), (69, 1030), (102, 1204), (111, 1225), (118, 1279), (120, 1315), (124, 1324),

Gene: MuchMore_4 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for MuchMore_4:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Mulciber_5 Start: 2692, Stop: 3156, Start Num: 54

Candidate Starts for Mulciber_5:

(Start: 54 @2692 has 413 MA's), (65, 2776), (101, 2986), (111, 3010), (123, 3109), (126, 3118),

Gene: Mule_2 Start: 926, Stop: 1360, Start Num: 54

Candidate Starts for Mule_2:

(Start: 54 @926 has 413 MA's), (Start: 57 @938 has 6 MA's), (69, 1019), (101, 1190), (102, 1193), (108, 1205), (111, 1214), (118, 1268), (120, 1304), (124, 1313),

Gene: Munch_5 Start: 2689, Stop: 3153, Start Num: 54

Candidate Starts for Munch_5:

(Start: 54 @2689 has 413 MA's), (65, 2773), (101, 2983), (111, 3007), (123, 3106), (126, 3115),

Gene: Mundrea_2 Start: 804, Stop: 1232, Start Num: 50

Candidate Starts for Mundrea_2:

(Start: 50 @804 has 285 MA's), (65, 888), (69, 900), (82, 951), (87, 1020), (111, 1095), (112, 1098), (115, 1113), (116, 1137), (123, 1185), (126, 1194), (129, 1209),

Gene: Museum_4 Start: 1079, Stop: 1519, Start Num: 54

Candidate Starts for Museum_4:

(Start: 54 @1079 has 413 MA's), (69, 1178), (102, 1352), (111, 1373), (118, 1427), (120, 1463), (124, 1472),

Gene: MyraDee_2 Start: 664, Stop: 1128, Start Num: 40

Candidate Starts for MyraDee_2:

(Start: 40 @664 has 1 MA's), (Start: 47 @697 has 52 MA's), (Start: 50 @703 has 285 MA's), (Start: 57 @715 has 6 MA's), (69, 793), (102, 979), (108, 991), (111, 1000), (115, 1018), (117, 1048), (121, 1087), (126, 1102),

Gene: Myxus_5 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for Myxus_5:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: NEHalo_3 Start: 1078, Stop: 1512, Start Num: 54

Candidate Starts for NEHalo_3:

(Start: 54 @1078 has 413 MA's), (Start: 57 @1090 has 6 MA's), (69, 1171), (102, 1345), (111, 1366), (118, 1420), (120, 1456), (124, 1465),

Gene: NaSiaTalie_6 Start: 2959, Stop: 3429, Start Num: 54

Candidate Starts for NaSiaTalie_6:

(Start: 54 @2959 has 413 MA's), (65, 3043), (69, 3055), (76, 3079), (82, 3118), (84, 3148), (100, 3244), (101, 3253), (111, 3277), (123, 3376), (126, 3385),

Gene: Nabi_5 Start: 1928, Stop: 2353, Start Num: 55

Candidate Starts for Nabi_5:

(Start: 55 @1928 has 37 MA's), (Start: 68 @2018 has 2 MA's), (83, 2087), (102, 2198),

Gene: Naca_2 Start: 842, Stop: 1291, Start Num: 52

Candidate Starts for Naca_2:

(3, 581), (11, 626), (14, 641), (17, 659), (30, 737), (44, 812), (Start: 52 @842 has 39 MA's), (71, 941), (83, 1010), (101, 1133), (111, 1157), (114, 1172),

Gene: Naiad_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Naiad_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Naira_2 Start: 937, Stop: 1371, Start Num: 54

Candidate Starts for Naira_2:

(Start: 54 @937 has 413 MA's), (69, 1030), (101, 1201), (102, 1204), (108, 1216), (111, 1225), (118, 1279), (120, 1315), (124, 1324),

Gene: Naji_5 Start: 2677, Stop: 3144, Start Num: 54

Candidate Starts for Naji_5:

(Start: 47 @2671 has 52 MA's), (Start: 54 @2677 has 413 MA's), (65, 2761), (69, 2773), (76, 2797), (77, 2806), (82, 2836), (84, 2866), (101, 2971), (111, 2995), (123, 3094), (126, 3103),

Gene: Nancinator_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Nancinator_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Nanodon_7 Start: 2127, Stop: 2552, Start Num: 55

Candidate Starts for Nanodon_7:

(Start: 55 @2127 has 37 MA's), (Start: 68 @2217 has 2 MA's), (83, 2286), (102, 2397),

Gene: Natosaleda_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Natosaleda_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: NearlyHeadless_2 Start: 834, Stop: 1262, Start Num: 51

Candidate Starts for NearlyHeadless_2:

(Start: 39 @795 has 1 MA's), (Start: 51 @834 has 74 MA's), (83, 993), (89, 1056), (101, 1104),

Gene: Nebs_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Nebs_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Nebulosus_5 Start: 2610, Stop: 3065, Start Num: 54

Candidate Starts for Nebulosus_5:

(5, 2364), (6, 2370), (Start: 47 @2604 has 52 MA's), (Start: 54 @2610 has 413 MA's), (82, 2769), (101, 2904), (111, 2928), (112, 2931), (123, 3027),

Gene: Nedarya_5 Start: 2580, Stop: 3038, Start Num: 54

Candidate Starts for Nedarya_5:

(Start: 54 @2580 has 413 MA's), (82, 2739), (101, 2874), (111, 2898), (112, 2901),

Gene: Neeharika16_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Neeharika16_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Nemo27_2 Start: 802, Stop: 1233, Start Num: 50

Candidate Starts for Nemo27_2:

(Start: 50 @802 has 285 MA's), (69, 898), (82, 949), (87, 1018), (111, 1093), (112, 1096), (115, 1111), (116, 1135), (119, 1174), (126, 1192), (129, 1207),

Gene: Nerdos_5 Start: 1956, Stop: 2381, Start Num: 56

Candidate Starts for Nerdos_5:

(Start: 47 @1947 has 52 MA's), (Start: 56 @1956 has 41 MA's), (67, 2043), (Start: 68 @2046 has 2 MA's), (89, 2178), (102, 2226),

Gene: Nergal_4 Start: 1389, Stop: 1844, Start Num: 56

Candidate Starts for Nergal_4:

(Start: 56 @1389 has 41 MA's), (86, 1605), (97, 1653), (115, 1707), (126, 1800), (128, 1812),

Gene: Nerujay_3 Start: 1063, Stop: 1503, Start Num: 54

Candidate Starts for Nerujay_3:

(Start: 54 @1063 has 413 MA's), (69, 1162), (102, 1336), (111, 1357), (118, 1411), (120, 1447), (124, 1456),

Gene: Newwrala_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Newwrala_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Nhonho_3 Start: 1077, Stop: 1517, Start Num: 54

Candidate Starts for Nhonho_3:

(Start: 54 @1077 has 413 MA's), (69, 1176), (101, 1347), (102, 1350), (108, 1362), (111, 1371), (118, 1425), (120, 1461), (124, 1470),

Gene: NicoleTera_5 Start: 2648, Stop: 3118, Start Num: 54

Candidate Starts for NicoleTera_5:

(Start: 47 @2642 has 52 MA's), (Start: 54 @2648 has 413 MA's), (65, 2732), (76, 2768), (82, 2807), (84, 2837), (100, 2933), (101, 2942), (111, 2966), (121, 3059), (123, 3065), (126, 3074),

Gene: Nishikigoi_5 Start: 1727, Stop: 2161, Start Num: 47

Candidate Starts for Nishikigoi_5:

(Start: 47 @1727 has 52 MA's), (Start: 68 @1823 has 2 MA's), (102, 2003), (115, 2042), (116, 2066),

Gene: Niza_4 Start: 1628, Stop: 2068, Start Num: 54

Candidate Starts for Niza_4:

(Start: 54 @1628 has 413 MA's), (69, 1727), (102, 1901), (111, 1922), (118, 1976), (120, 2012), (124, 2021),

Gene: Noella_2 Start: 784, Stop: 1212, Start Num: 50

Candidate Starts for Noella_2:

(Start: 50 @784 has 285 MA's), (Start: 63 @862 has 3 MA's), (87, 1000), (111, 1075), (116, 1117), (119, 1156), (126, 1174),

Gene: Noelle_2 Start: 791, Stop: 1219, Start Num: 50

Candidate Starts for Noelle_2:

(Start: 50 @791 has 285 MA's), (65, 875), (69, 887), (82, 938), (87, 1007), (111, 1082), (112, 1085), (115, 1100), (116, 1124), (123, 1172), (126, 1181), (129, 1196),

Gene: Norbert_1 Start: 784, Stop: 1212, Start Num: 50

Candidate Starts for Norbert_1:

(Start: 50 @784 has 285 MA's), (Start: 63 @862 has 3 MA's), (87, 1000), (111, 1075), (116, 1117), (119, 1156), (126, 1174),

Gene: NorthStar_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for NorthStar_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Norz_3 Start: 1076, Stop: 1510, Start Num: 54

Candidate Starts for Norz_3:

(Start: 54 @1076 has 413 MA's), (69, 1169), (102, 1343), (111, 1364), (118, 1418), (120, 1454), (124, 1463),

Gene: NotAPhaseMom_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for NotAPhaseMom_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: NothingSpecial_4 Start: 2483, Stop: 2956, Start Num: 54

Candidate Starts for NothingSpecial_4:

(44, 2456), (Start: 54 @2483 has 413 MA's), (65, 2567), (69, 2579), (76, 2603), (82, 2642), (100, 2768), (101, 2777), (111, 2801), (123, 2900), (126, 2909),

Gene: Noxious_3 Start: 1081, Stop: 1515, Start Num: 54

Candidate Starts for Noxious_3:

(Start: 54 @1081 has 413 MA's), (69, 1174), (102, 1348), (111, 1369), (118, 1423), (120, 1459), (124, 1468),

Gene: Nyxis_2 Start: 804, Stop: 1235, Start Num: 50

Candidate Starts for Nyxis_2:

(Start: 50 @804 has 285 MA's), (69, 900), (82, 951), (87, 1020), (111, 1095), (112, 1098), (115, 1113), (116, 1137), (119, 1176), (126, 1194), (129, 1209),

Gene: OKCentral2016_2 Start: 797, Stop: 1228, Start Num: 50

Candidate Starts for OKCentral2016_2:

(Start: 48 @794 has 2 MA's), (Start: 50 @797 has 285 MA's), (64, 878), (80, 935), (102, 1067), (108, 1079), (111, 1088), (123, 1178), (126, 1187),

Gene: OKaNui_2 Start: 802, Stop: 1233, Start Num: 50

Candidate Starts for OKaNui_2:

(Start: 50 @802 has 285 MA's), (69, 898), (82, 949), (87, 1018), (111, 1093), (112, 1096), (115, 1111), (116, 1135), (119, 1174), (126, 1192), (129, 1207),

Gene: Obama12_2 Start: 802, Stop: 1233, Start Num: 50

Candidate Starts for Obama12_2:

(Start: 50 @802 has 285 MA's), (69, 898), (82, 949), (87, 1018), (111, 1093), (112, 1096), (115, 1111), (116, 1135), (126, 1192), (129, 1207),

Gene: Odin_4 Start: 2487, Stop: 2951, Start Num: 54

Candidate Starts for Odin_4:

(Start: 54 @2487 has 413 MA's), (65, 2571), (69, 2583), (76, 2607), (82, 2646), (101, 2781), (111, 2805), (112, 2808), (119, 2898), (123, 2907), (126, 2916),

Gene: Ohfah_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Ohfah_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Ohno789_2 Start: 928, Stop: 1362, Start Num: 54

Candidate Starts for Ohno789_2:

(Start: 54 @928 has 413 MA's), (69, 1021), (102, 1195), (111, 1216), (118, 1270), (120, 1306), (124, 1315),

Gene: OlanP_2 Start: 1040, Stop: 1459, Start Num: 50

Candidate Starts for OlanP_2:

(Start: 47 @1034 has 52 MA's), (Start: 50 @1040 has 285 MA's), (Start: 57 @1058 has 6 MA's), (102, 1310), (111, 1331), (123, 1421),

Gene: Oliynyk_6 Start: 2116, Stop: 2541, Start Num: 55

Candidate Starts for Oliynyk_6:

(33, 2032), (41, 2080), (Start: 55 @2116 has 37 MA's), (67, 2203), (Start: 68 @2206 has 2 MA's), (102, 2386),

Gene: Ollie_2 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for Ollie_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Omar_6 Start: 1957, Stop: 2391, Start Num: 47

Candidate Starts for Omar_6:

(Start: 47 @1957 has 52 MA's), (Start: 68 @2053 has 2 MA's), (102, 2233), (116, 2296),

Gene: Onglai_5 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for Onglai_5:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (119, 3080), (123, 3089), (126, 3098),

Gene: Oofda_5 Start: 2614, Stop: 3072, Start Num: 54

Candidate Starts for Oofda_5:

(Start: 47 @2608 has 52 MA's), (Start: 54 @2614 has 413 MA's), (82, 2773), (101, 2908), (111, 2932), (112, 2935), (123, 3031),

Gene: Oogway_2 Start: 929, Stop: 1363, Start Num: 54

Candidate Starts for Oogway_2:

(Start: 54 @929 has 413 MA's), (69, 1022), (102, 1196), (111, 1217), (118, 1271), (120, 1307), (124, 1316),

Gene: Orange_5 Start: 2689, Stop: 3153, Start Num: 54

Candidate Starts for Orange_5:

(Start: 54 @2689 has 413 MA's), (65, 2773), (101, 2983), (111, 3007), (123, 3106), (126, 3115),

Gene: Ozzie_5 Start: 1936, Stop: 2361, Start Num: 56

Candidate Starts for Ozzie_5:

(Start: 47 @1927 has 52 MA's), (Start: 56 @1936 has 41 MA's), (67, 2023), (Start: 68 @2026 has 2 MA's), (102, 2206),

Gene: OzzyJ_6 Start: 1931, Stop: 2356, Start Num: 55

Candidate Starts for OzzyJ_6:

(23, 1781), (Start: 55 @1931 has 37 MA's), (Start: 68 @2021 has 2 MA's), (83, 2090), (102, 2201),

Gene: P28Green_2 Start: 850, Stop: 1275, Start Num: 47

Candidate Starts for P28Green_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: PGHhamlin_4 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for PGHhamlin_4:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: PP_13 Start: 4904, Stop: 5341, Start Num: 50

Candidate Starts for PP_13:

(Start: 50 @4904 has 285 MA's), (69, 5000), (71, 5006), (89, 5126), (111, 5195), (112, 5198), (116, 5237), (119, 5276), (126, 5294),

Gene: PSullivan_4 Start: 1366, Stop: 1806, Start Num: 54

Candidate Starts for PSullivan_4:

(Start: 54 @1366 has 413 MA's), (69, 1465), (102, 1639), (111, 1660), (118, 1714), (120, 1750), (124, 1759),

Gene: Pablito_5 Start: 1765, Stop: 2196, Start Num: 47

Candidate Starts for Pablito_5:

(Start: 46 @1759 has 1 MA's), (Start: 47 @1765 has 52 MA's), (Start: 68 @1861 has 2 MA's), (71, 1870), (73, 1876), (102, 2041), (115, 2080), (116, 2104), (130, 2188),

Gene: PacerPaul_3 Start: 1166, Stop: 1606, Start Num: 54

Candidate Starts for PacerPaul_3:

(Start: 54 @1166 has 413 MA's), (69, 1265), (102, 1439), (111, 1460), (118, 1514), (120, 1550), (124, 1559),

Gene: PackMan_5 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for PackMan_5:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: Paedore_5 Start: 1802, Stop: 2233, Start Num: 47

Candidate Starts for Paedore_5:

(Start: 45 @1793 has 1 MA's), (Start: 47 @1802 has 52 MA's), (Start: 68 @1898 has 2 MA's), (91, 2039), (102, 2078), (116, 2141), (128, 2216),

Gene: PainterBoy_5 Start: 2452, Stop: 2928, Start Num: 51

Candidate Starts for PainterBoy_5:

(Start: 51 @2452 has 74 MA's), (76, 2575), (101, 2749), (111, 2773), (114, 2788), (123, 2875), (126, 2884),

Gene: Palestino_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Palestino_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Panamaxus_2 Start: 862, Stop: 1212, Start Num: 63

Candidate Starts for Panamaxus_2:

(Start: 50 @784 has 285 MA's), (Start: 63 @862 has 3 MA's), (87, 1000), (111, 1075), (116, 1117), (119, 1156), (126, 1174),

Gene: Paolo_7 Start: 2350, Stop: 2781, Start Num: 47

Candidate Starts for Paolo_7:

(Start: 47 @2350 has 52 MA's), (Start: 68 @2446 has 2 MA's), (71, 2455), (89, 2578), (102, 2626), (115, 2665), (116, 2689), (130, 2773),

Gene: Papez_3 Start: 1164, Stop: 1598, Start Num: 54

Candidate Starts for Papez_3:

(Start: 54 @1164 has 413 MA's), (69, 1257), (102, 1431), (111, 1452), (118, 1506), (120, 1542), (124, 1551),

Gene: Paphu_2 Start: 928, Stop: 1368, Start Num: 54

Candidate Starts for Paphu_2:

(Start: 54 @928 has 413 MA's), (69, 1027), (102, 1201), (111, 1222), (118, 1276), (120, 1312), (124, 1321),

Gene: Paraselene_2 Start: 928, Stop: 1362, Start Num: 54

Candidate Starts for Paraselene_2:

(Start: 54 @928 has 413 MA's), (Start: 57 @940 has 6 MA's), (69, 1021), (101, 1192), (102, 1195), (108, 1207), (111, 1216), (118, 1270), (120, 1306), (124, 1315),

Gene: Pari_3 Start: 1066, Stop: 1500, Start Num: 54

Candidate Starts for Pari_3:

(Start: 54 @1066 has 413 MA's), (Start: 57 @1078 has 6 MA's), (69, 1159), (102, 1333), (111, 1354), (118, 1408), (120, 1444), (124, 1453),

Gene: Parliament_2 Start: 929, Stop: 1369, Start Num: 54

Candidate Starts for Parliament_2:

(Start: 54 @929 has 413 MA's), (69, 1028), (102, 1202), (111, 1223), (118, 1277), (120, 1313), (124, 1322),

Gene: Partridge_3 Start: 1010, Stop: 1432, Start Num: 50

Candidate Starts for Partridge_3:

(Start: 50 @1010 has 285 MA's), (74, 1121), (79, 1145), (82, 1157), (108, 1292), (119, 1382), (126, 1400), (129, 1415),

Gene: PascalRango_3 Start: 1078, Stop: 1512, Start Num: 54

Candidate Starts for PascalRango_3:

(Start: 54 @1078 has 413 MA's), (69, 1171), (102, 1345), (111, 1366), (118, 1420), (120, 1456), (124, 1465),

Gene: PattyP_4 Start: 1279, Stop: 1713, Start Num: 54

Candidate Starts for PattyP_4:

(20, 1126), (26, 1153), (31, 1186), (Start: 54 @1279 has 413 MA's), (69, 1372), (102, 1546), (111, 1567), (118, 1621), (120, 1657), (124, 1666),

Gene: Pavo_6 Start: 2055, Stop: 2483, Start Num: 55

Candidate Starts for Pavo_6:

(Start: 55 @2055 has 37 MA's), (64, 2130), (67, 2142), (Start: 68 @2145 has 2 MA's), (71, 2154), (73, 2160), (102, 2325), (121, 2436), (122, 2439),

Gene: Pawn_2 Start: 861, Stop: 1280, Start Num: 50

Candidate Starts for Pawn_2:

(Start: 47 @855 has 52 MA's), (Start: 50 @861 has 285 MA's), (Start: 57 @879 has 6 MA's), (102, 1131), (111, 1152), (123, 1242),

Gene: Payneful_3 Start: 1079, Stop: 1519, Start Num: 54

Candidate Starts for Payneful_3:

(Start: 54 @1079 has 413 MA's), (69, 1178), (102, 1352), (111, 1373), (118, 1427), (120, 1463), (124, 1472),

Gene: PeaceMeal1_2 Start: 807, Stop: 1238, Start Num: 50

Candidate Starts for PeaceMeal1_2:

(Start: 50 @807 has 285 MA's), (64, 888), (80, 945), (102, 1077), (108, 1089), (111, 1098), (123, 1188), (126, 1197),

Gene: Peaches_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Peaches_2:

(Start: 50 @803 has 285 MA's), (69, 899), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Pelly_4 Start: 1313, Stop: 1753, Start Num: 54

Candidate Starts for Pelly_4:

(20, 1160), (26, 1187), (31, 1220), (Start: 54 @1313 has 413 MA's), (69, 1412), (102, 1586), (111, 1607), (118, 1661), (120, 1697), (124, 1706),

Gene: Pembroke_2 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for Pembroke_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Penny1_2 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for Penny1_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Pepe_4 Start: 1350, Stop: 1784, Start Num: 54

Candidate Starts for Pepe_4:

(Start: 54 @1350 has 413 MA's), (69, 1443), (101, 1614), (102, 1617), (108, 1629), (111, 1638), (118, 1692), (120, 1728), (124, 1737),

Gene: Perplexer_2 Start: 807, Stop: 1235, Start Num: 50

Candidate Starts for Perplexer_2:

(Start: 50 @807 has 285 MA's), (65, 891), (69, 903), (82, 954), (87, 1023), (111, 1098), (112, 1101), (115, 1116), (116, 1140), (123, 1188), (126, 1197), (129, 1212),

Gene: Perseus_2 Start: 926, Stop: 1360, Start Num: 54

Candidate Starts for Perseus_2:

(Start: 54 @926 has 413 MA's), (Start: 57 @938 has 6 MA's), (69, 1019), (101, 1190), (102, 1193), (108, 1205), (111, 1214), (118, 1268), (120, 1304), (124, 1313),

Gene: PeterPeter_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for PeterPeter_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Petersenfast_4 Start: 2692, Stop: 3156, Start Num: 54

Candidate Starts for Petersenfast_4:

(Start: 54 @2692 has 413 MA's), (65, 2776), (101, 2986), (111, 3010), (123, 3109), (126, 3118),

Gene: Peterson_3 Start: 1482, Stop: 1925, Start Num: 54

Candidate Starts for Peterson_3:

(Start: 54 @1482 has 413 MA's), (81, 1626), (102, 1755), (104, 1758), (111, 1776), (118, 1830), (120, 1866), (126, 1884),

Gene: PetiteSangsue_2 Start: 807, Stop: 1235, Start Num: 50

Candidate Starts for PetiteSangsue_2:

(Start: 50 @807 has 285 MA's), (65, 891), (69, 903), (82, 954), (87, 1023), (111, 1098), (112, 1101), (115, 1116), (116, 1140), (123, 1188), (126, 1197), (129, 1212),

Gene: Petp2012_4 Start: 1280, Stop: 1720, Start Num: 54

Candidate Starts for Petp2012_4:

(Start: 54 @1280 has 413 MA's), (69, 1379), (102, 1553), (111, 1574), (118, 1628), (120, 1664), (124, 1673),

Gene: Petruccio_3 Start: 1080, Stop: 1514, Start Num: 54

Candidate Starts for Petruccio_3:

(Start: 54 @1080 has 413 MA's), (69, 1173), (102, 1347), (111, 1368), (118, 1422), (120, 1458), (124, 1467),

Gene: PetterN_2 Start: 839, Stop: 1288, Start Num: 52

Candidate Starts for PetterN_2:

(3, 578), (11, 623), (14, 638), (17, 656), (30, 734), (44, 809), (Start: 52 @839 has 39 MA's), (71, 938), (83, 1007), (101, 1130), (111, 1154), (114, 1169),

Gene: Ph8s_5 Start: 2494, Stop: 2958, Start Num: 54

Candidate Starts for Ph8s_5:

(Start: 54 @2494 has 413 MA's), (Start: 57 @2512 has 6 MA's), (65, 2578), (69, 2590), (76, 2614), (82, 2653), (101, 2788), (111, 2812), (112, 2815), (119, 2905), (123, 2914), (126, 2923),

Gene: Phacado_2 Start: 802, Stop: 1233, Start Num: 50

Candidate Starts for Phacado_2:

(Start: 50 @802 has 285 MA's), (69, 898), (82, 949), (87, 1018), (111, 1093), (112, 1096), (115, 1111), (116, 1135), (119, 1174), (126, 1192), (129, 1207),

Gene: Phaded_5 Start: 2448, Stop: 2918, Start Num: 51

Candidate Starts for Phaded_5:

(Start: 51 @2448 has 74 MA's), (64, 2532), (70, 2550), (74, 2562), (82, 2610), (98, 2724), (101, 2745), (111, 2769), (126, 2877),

Gene: Phaeder_5 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for Phaeder_5:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: PhailMary_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for PhailMary_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Phantastic_2 Start: 764, Stop: 1192, Start Num: 50

Candidate Starts for Phantastic_2:

(Start: 50 @764 has 285 MA's), (Start: 63 @842 has 3 MA's), (111, 1055), (116, 1097), (119, 1136), (126, 1154),

Gene: Pharaoh_5 Start: 2554, Stop: 3033, Start Num: 51

Candidate Starts for Pharaoh_5:

(44, 2527), (Start: 51 @2554 has 74 MA's), (82, 2716), (88, 2788), (101, 2851), (111, 2875), (123, 2974), (126, 2983),

Gene: Phelipe_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Phelipe_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: PherrisBueller_4 Start: 1356, Stop: 1790, Start Num: 54

Candidate Starts for PherrisBueller_4:

(Start: 54 @1356 has 413 MA's), (69, 1449), (102, 1623), (111, 1644), (118, 1698), (120, 1734), (124, 1743),

Gene: Phettuccine_5 Start: 1956, Stop: 2381, Start Num: 56

Candidate Starts for Phettuccine_5:

(Start: 47 @1947 has 52 MA's), (Start: 56 @1956 has 41 MA's), (67, 2043), (Start: 68 @2046 has 2 MA's), (89, 2178), (102, 2226),

Gene: Phighter1804_2 Start: 801, Stop: 1232, Start Num: 50

Candidate Starts for Phighter1804_2:

(Start: 50 @801 has 285 MA's), (69, 897), (82, 948), (87, 1017), (111, 1092), (112, 1095), (115, 1110), (116, 1134), (119, 1173), (126, 1191), (129, 1206),

Gene: Phillis_2 Start: 834, Stop: 1262, Start Num: 51

Candidate Starts for Phillis_2:

(Start: 39 @795 has 1 MA's), (Start: 51 @834 has 74 MA's), (83, 993), (89, 1056), (101, 1104),

Gene: PhineBark_2 Start: 930, Stop: 1370, Start Num: 54

Candidate Starts for PhineBark_2:

(Start: 54 @930 has 413 MA's), (69, 1029), (102, 1203), (111, 1224), (118, 1278), (120, 1314), (124, 1323),

Gene: PhishRPhriends_2 Start: 861, Stop: 1280, Start Num: 50

Candidate Starts for PhishRPhriends_2:

(Start: 47 @855 has 52 MA's), (Start: 50 @861 has 285 MA's), (Start: 57 @879 has 6 MA's), (102, 1131), (111, 1152), (123, 1242),

Gene: Phlei_2 Start: 815, Stop: 1285, Start Num: 54

Candidate Starts for Phlei_2:

(Start: 54 @815 has 413 MA's), (101, 1109), (111, 1133), (119, 1223), (123, 1232), (126, 1241),

Gene: Phlippers_2 Start: 929, Stop: 1363, Start Num: 54

Candidate Starts for Phlippers_2:

(Start: 54 @929 has 413 MA's), (69, 1022), (102, 1196), (111, 1217), (118, 1271), (120, 1307), (124, 1316),

Gene: Phlorence_2 Start: 871, Stop: 1320, Start Num: 52

Candidate Starts for Phlorence_2:

(11, 655), (14, 670), (15, 673), (17, 688), (18, 694), (21, 718), (44, 841), (Start: 52 @871 has 39 MA's), (69, 964), (71, 970), (76, 988), (83, 1039), (101, 1162), (111, 1186), (114, 1201),

Gene: Phoebe_2 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for Phoebe_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Phonnegut_5 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for Phonnegut_5:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: Phontbonne_2 Start: 801, Stop: 1232, Start Num: 50

Candidate Starts for Phontbonne_2:

(Start: 50 @801 has 285 MA's), (69, 897), (82, 948), (87, 1017), (111, 1092), (112, 1095), (115, 1110), (116, 1134), (126, 1191), (129, 1206),

Gene: Phoxy_2 Start: 875, Stop: 1276, Start Num: 57

Candidate Starts for Phoxy_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: Phrankenstein_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Phrankenstein_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Phranny_3 Start: 861, Stop: 1280, Start Num: 50

Candidate Starts for Phranny_3:

(Start: 47 @855 has 52 MA's), (Start: 50 @861 has 285 MA's), (Start: 57 @879 has 6 MA's), (102, 1131), (111, 1152), (123, 1242),

Gene: PhrostyMug_2 Start: 926, Stop: 1360, Start Num: 54

Candidate Starts for PhrostyMug_2:

(Start: 54 @926 has 413 MA's), (Start: 57 @938 has 6 MA's), (69, 1019), (101, 1190), (102, 1193), (108, 1205), (111, 1214), (118, 1268), (120, 1304), (124, 1313),

Gene: PickleBack_2 Start: 872, Stop: 1321, Start Num: 52

Candidate Starts for PickleBack_2:

(11, 656), (14, 671), (15, 674), (17, 689), (18, 695), (21, 719), (44, 842), (Start: 52 @872 has 39 MA's), (69, 965), (71, 971), (76, 989), (83, 1040), (101, 1163), (111, 1187), (114, 1202),

Gene: PinkPlastic_2 Start: 928, Stop: 1368, Start Num: 54

Candidate Starts for PinkPlastic_2:

(Start: 54 @928 has 413 MA's), (69, 1027), (102, 1201), (111, 1222), (118, 1276), (120, 1312), (124, 1321),

Gene: Pinto_3 Start: 1130, Stop: 1570, Start Num: 54

Candidate Starts for Pinto_3:

(Start: 54 @1130 has 413 MA's), (69, 1229), (102, 1403), (111, 1424), (118, 1478), (120, 1514), (124, 1523),

Gene: Pioneer_5 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for Pioneer_5:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: Pipcraft_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Pipcraft_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Pippin_4 Start: 1214, Stop: 1654, Start Num: 54

Candidate Starts for Pippin_4:

(Start: 54 @1214 has 413 MA's), (69, 1313), (102, 1487), (111, 1508), (118, 1562), (120, 1598), (124, 1607),

Gene: Piro94_5 Start: 2963, Stop: 3433, Start Num: 54

Candidate Starts for Piro94_5:

(Start: 54 @2963 has 413 MA's), (65, 3047), (69, 3059), (76, 3083), (82, 3122), (84, 3152), (100, 3248), (101, 3257), (111, 3281), (123, 3380), (126, 3389),

Gene: Pistachio_2 Start: 759, Stop: 1187, Start Num: 50

Candidate Starts for Pistachio_2:

(Start: 50 @759 has 285 MA's), (Start: 63 @837 has 3 MA's), (108, 1041), (111, 1050), (116, 1092), (119, 1131), (126, 1149),

Gene: Pita2_4 Start: 1366, Stop: 1806, Start Num: 54

Candidate Starts for Pita2_4:

(Start: 54 @1366 has 413 MA's), (69, 1465), (102, 1639), (111, 1660), (118, 1714), (120, 1750), (124, 1759),

Gene: Pmask_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Pmask_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Pocahontas_2 Start: 784, Stop: 1212, Start Num: 50

Candidate Starts for Pocahontas_2:

(Start: 50 @784 has 285 MA's), (Start: 63 @862 has 3 MA's), (87, 1000), (111, 1075), (116, 1117), (119, 1156), (126, 1174),

Gene: Polymorphads_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Polymorphads_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Polyphemus_5 Start: 2484, Stop: 2954, Start Num: 54

Candidate Starts for Polyphemus_5:

(Start: 54 @2484 has 413 MA's), (65, 2571), (69, 2583), (82, 2646), (84, 2676), (87, 2715), (90, 2727), (101, 2781), (111, 2805), (126, 2916),

Gene: Pomar16_5 Start: 2677, Stop: 3144, Start Num: 54

Candidate Starts for Pomar16_5:

(Start: 47 @2671 has 52 MA's), (Start: 54 @2677 has 413 MA's), (65, 2761), (69, 2773), (76, 2797), (77, 2806), (82, 2836), (84, 2866), (101, 2971), (111, 2995), (123, 3094), (126, 3103),

Gene: Poompha_2 Start: 805, Stop: 1236, Start Num: 50

Candidate Starts for Poompha_2:

(Start: 50 @805 has 285 MA's), (64, 886), (80, 943), (102, 1075), (108, 1087), (111, 1096), (123, 1186), (126, 1195),

Gene: Popcicle_2 Start: 862, Stop: 1212, Start Num: 63

Candidate Starts for Popcicle_2:

(Start: 50 @784 has 285 MA's), (Start: 63 @862 has 3 MA's), (87, 1000), (111, 1075), (116, 1117), (119, 1156), (126, 1174),

Gene: PotatoSplit_3 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for PotatoSplit_3:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Poushou_2 Start: 799, Stop: 1230, Start Num: 56

Candidate Starts for Poushou_2:

(Start: 56 @799 has 41 MA's), (72, 895), (94, 1039), (103, 1069), (105, 1072), (107, 1078), (114, 1105), (129, 1216),

Gene: Power_6 Start: 2904, Stop: 3374, Start Num: 54

Candidate Starts for Power_6:

(4, 2646), (11, 2685), (17, 2718), (Start: 54 @2904 has 413 MA's), (65, 2988), (76, 3024), (82, 3063), (84, 3093), (100, 3189), (101, 3198), (111, 3222), (123, 3321), (126, 3330),

Gene: PowerRanger_2 Start: 928, Stop: 1362, Start Num: 54

Candidate Starts for PowerRanger_2:

(Start: 54 @928 has 413 MA's), (Start: 57 @940 has 6 MA's), (69, 1021), (102, 1195), (111, 1216), (118, 1270), (120, 1306), (124, 1315),

Gene: Priamo_5 Start: 2497, Stop: 2967, Start Num: 54

Candidate Starts for Priamo_5:

(Start: 54 @2497 has 413 MA's), (65, 2584), (69, 2596), (82, 2659), (84, 2689), (87, 2728), (90, 2740), (101, 2794), (111, 2818), (126, 2929),

Gene: Prin Ashe11_2 Start: 840, Stop: 1289, Start Num: 52

Candidate Starts for Prin Ashe11_2:

(11, 624), (14, 639), (15, 642), (17, 657), (18, 663), (21, 687), (44, 810), (Start: 52 @840 has 39 MA's), (69, 933), (71, 939), (76, 957), (83, 1008), (101, 1131), (111, 1155), (114, 1170),

Gene: Priya_5 Start: 2666, Stop: 3139, Start Num: 51

Candidate Starts for Priya_5:

(17, 2480), (30, 2558), (Start: 51 @2666 has 74 MA's), (60, 2723), (74, 2780), (82, 2828), (84, 2858), (101, 2963), (111, 2987), (119, 3077), (123, 3086), (126, 3095),

Gene: ProMouse_2 Start: 927, Stop: 1361, Start Num: 54

Candidate Starts for ProMouse_2:

(Start: 54 @927 has 413 MA's), (69, 1020), (102, 1194), (111, 1215), (118, 1269), (120, 1305), (124, 1314),

Gene: Provolone_6 Start: 1785, Stop: 2213, Start Num: 55

Candidate Starts for Provolone_6:

(Start: 55 @1785 has 37 MA's), (64, 1860), (102, 2055), (115, 2094), (121, 2166), (122, 2169),

Gene: Prudy_4 Start: 2628, Stop: 3098, Start Num: 54

Candidate Starts for Prudy_4:

(Start: 47 @2622 has 52 MA's), (Start: 54 @2628 has 413 MA's), (65, 2712), (69, 2724), (76, 2748), (82, 2787), (84, 2817), (100, 2913), (101, 2922), (111, 2946), (121, 3039), (123, 3045), (126, 3054),

Gene: Puginator_7 Start: 2296, Stop: 2727, Start Num: 47

Candidate Starts for Puginator_7:

(Start: 47 @2296 has 52 MA's), (Start: 68 @2392 has 2 MA's), (71, 2401), (89, 2524), (102, 2572), (115, 2611), (116, 2635), (130, 2719),

Gene: Pukovnik_5 Start: 2424, Stop: 2894, Start Num: 51

Candidate Starts for Pukovnik_5:

(44, 2397), (Start: 51 @2424 has 74 MA's), (64, 2508), (70, 2526), (74, 2538), (82, 2586), (101, 2721), (111, 2745), (126, 2853),

Gene: Pumbaa_2 Start: 801, Stop: 1232, Start Num: 50

Candidate Starts for Pumbaa_2:

(Start: 50 @801 has 285 MA's), (69, 897), (82, 948), (87, 1017), (111, 1092), (112, 1095), (115, 1110), (116, 1134), (119, 1173), (126, 1191), (129, 1206),

Gene: Puppet_3 Start: 1130, Stop: 1570, Start Num: 54

Candidate Starts for Puppet_3:

(Start: 54 @1130 has 413 MA's), (69, 1229), (102, 1403), (111, 1424), (118, 1478), (120, 1514), (124, 1523),

Gene: Puppy_2 Start: 759, Stop: 1187, Start Num: 50

Candidate Starts for Puppy_2:

(Start: 50 @759 has 285 MA's), (Start: 63 @837 has 3 MA's), (108, 1041), (111, 1050), (116, 1092), (119, 1131), (126, 1149),

Gene: PurpleHaze_2 Start: 861, Stop: 1280, Start Num: 50

Candidate Starts for PurpleHaze_2:

(Start: 47 @855 has 52 MA's), (Start: 50 @861 has 285 MA's), (Start: 57 @879 has 6 MA's), (102, 1131), (111, 1152), (123, 1242),

Gene: QTRlifeCrisis_2 Start: 928, Stop: 1368, Start Num: 54

Candidate Starts for QTRlifeCrisis_2:

(Start: 54 @928 has 413 MA's), (69, 1027), (101, 1198), (102, 1201), (108, 1213), (111, 1222), (118, 1276), (120, 1312), (124, 1321),

Gene: Qobbit_5 Start: 2666, Stop: 3139, Start Num: 51

Candidate Starts for Qobbit_5:

(17, 2480), (30, 2558), (Start: 51 @2666 has 74 MA's), (60, 2723), (74, 2780), (82, 2828), (84, 2858), (101, 2963), (111, 2987), (119, 3077), (123, 3086), (126, 3095),

Gene: QueenB2_6 Start: 3008, Stop: 3478, Start Num: 54

Candidate Starts for QueenB2_6:

(4, 2750), (11, 2789), (17, 2822), (Start: 54 @3008 has 413 MA's), (65, 3092), (76, 3128), (82, 3167), (84, 3197), (91, 3251), (100, 3293), (101, 3302), (111, 3326), (123, 3425), (126, 3434),

Gene: QueenBeesly_6 Start: 2904, Stop: 3374, Start Num: 54

Candidate Starts for QueenBeesly_6:

(Start: 54 @2904 has 413 MA's), (65, 2988), (76, 3024), (82, 3063), (84, 3093), (100, 3189), (101, 3198), (111, 3222), (123, 3321), (126, 3330),

Gene: QuinnKiro_1 Start: 784, Stop: 1212, Start Num: 50

Candidate Starts for QuinnKiro_1:

(Start: 50 @784 has 285 MA's), (Start: 63 @862 has 3 MA's), (87, 1000), (111, 1075), (116, 1117), (119, 1156), (126, 1174),

Gene: Quokka_4 Start: 2661, Stop: 3128, Start Num: 54

Candidate Starts for Quokka_4:

(Start: 54 @2661 has 413 MA's), (65, 2745), (69, 2757), (74, 2772), (82, 2820), (84, 2850), (85, 2880), (100, 2946), (101, 2955), (111, 2979), (126, 3087),

Gene: R4_5 Start: 1751, Stop: 2191, Start Num: 45

Candidate Starts for R4_5:

(Start: 45 @1751 has 1 MA's), (Start: 47 @1760 has 52 MA's), (Start: 68 @1856 has 2 MA's), (88, 1985), (91, 1997), (102, 2036), (116, 2099), (128, 2174),

Gene: RER2_66 Start: 44475, Stop: 44897, Start Num: 50

Candidate Starts for RER2_66:

(Start: 50 @44475 has 285 MA's), (Start: 57 @44493 has 6 MA's), (74, 44586), (79, 44610), (82, 44622), (108, 44757), (119, 44847), (126, 44865), (129, 44880),

Gene: RGL3_65 Start: 45940, Stop: 46362, Start Num: 50

Candidate Starts for RGL3_65:

(Start: 50 @45940 has 285 MA's), (Start: 57 @45958 has 6 MA's), (79, 46075), (93, 46183), (102, 46210), (106, 46216), (114, 46246), (115, 46249), (126, 46330), (129, 46345),

Gene: Rachaly_6 Start: 2871, Stop: 3341, Start Num: 54

Candidate Starts for Rachaly_6:

(Start: 47 @2865 has 52 MA's), (Start: 54 @2871 has 413 MA's), (69, 2967), (76, 2991), (82, 3030), (101, 3165), (111, 3189), (121, 3282), (123, 3288), (126, 3297),

Gene: Rahalelujah_5 Start: 2435, Stop: 2908, Start Num: 51

Candidate Starts for Rahalelujah_5:

(Start: 51 @2435 has 74 MA's), (69, 2534), (82, 2597), (100, 2723), (101, 2732), (111, 2756), (123, 2855),

Gene: Raid_4 Start: 1279, Stop: 1713, Start Num: 54

Candidate Starts for Raid_4:

(Start: 39 @1240 has 1 MA's), (Start: 54 @1279 has 413 MA's), (69, 1372), (102, 1546), (111, 1567), (118, 1621), (120, 1657), (124, 1666),

Gene: Rajelicia_3 Start: 1081, Stop: 1521, Start Num: 54

Candidate Starts for Rajelicia_3:

(Start: 54 @1081 has 413 MA's), (69, 1180), (102, 1354), (111, 1375), (118, 1429), (120, 1465), (124, 1474),

Gene: Rana_5 Start: 1928, Stop: 2353, Start Num: 55

Candidate Starts for Rana_5:

(Start: 55 @1928 has 37 MA's), (Start: 68 @2018 has 2 MA's), (83, 2087), (102, 2198),

Gene: Rasputin_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Rasputin_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Ravana_5 Start: 2610, Stop: 3065, Start Num: 54

Candidate Starts for Ravana_5:

(5, 2364), (6, 2370), (Start: 47 @2604 has 52 MA's), (Start: 54 @2610 has 413 MA's), (82, 2769), (101, 2904), (111, 2928), (112, 2931), (123, 3027),

Gene: ReMo_5 Start: 2610, Stop: 3065, Start Num: 54

Candidate Starts for ReMo_5:

(5, 2364), (6, 2370), (Start: 47 @2604 has 52 MA's), (Start: 54 @2610 has 413 MA's), (82, 2769), (101, 2904), (111, 2928), (112, 2931), (123, 3027),

Gene: Reba_3 Start: 861, Stop: 1280, Start Num: 50

Candidate Starts for Reba_3:

(Start: 47 @855 has 52 MA's), (Start: 50 @861 has 285 MA's), (Start: 57 @879 has 6 MA's), (102, 1131), (111, 1152), (123, 1242),

Gene: Rebeuca_3 Start: 963, Stop: 1394, Start Num: 50

Candidate Starts for Rebeuca_3:

(Start: 48 @960 has 2 MA's), (Start: 50 @963 has 285 MA's), (64, 1044), (74, 1074), (80, 1101), (102, 1233), (108, 1245), (111, 1254), (123, 1344), (126, 1353),

Gene: RedBear_7 Start: 2202, Stop: 2627, Start Num: 56

Candidate Starts for RedBear_7:

(Start: 47 @2193 has 52 MA's), (Start: 56 @2202 has 41 MA's), (Start: 68 @2292 has 2 MA's), (88, 2421), (102, 2472),

Gene: RedRock_5 Start: 2614, Stop: 3084, Start Num: 54

Candidate Starts for RedRock_5:

(Start: 54 @2614 has 413 MA's), (65, 2698), (69, 2710), (82, 2773), (84, 2803), (87, 2842), (90, 2854), (100, 2899), (101, 2908), (111, 2932), (121, 3025), (123, 3031), (126, 3040),

Gene: Refuge_5 Start: 2586, Stop: 3062, Start Num: 51

Candidate Starts for Refuge_5:

(44, 2559), (Start: 51 @2586 has 74 MA's), (69, 2685), (70, 2688), (82, 2748), (84, 2778), (100, 2874), (101, 2883), (111, 2907), (114, 2922), (119, 2997), (126, 3015),

Gene: Relief_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Relief_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Remus_5 Start: 2610, Stop: 3065, Start Num: 54

Candidate Starts for Remus_5:

(5, 2364), (6, 2370), (Start: 47 @2604 has 52 MA's), (Start: 54 @2610 has 413 MA's), (82, 2769), (101, 2904), (111, 2928), (112, 2931), (123, 3027),

Gene: ResDef_2 Start: 784, Stop: 1212, Start Num: 50

Candidate Starts for ResDef_2:

(Start: 50 @784 has 285 MA's), (Start: 63 @862 has 3 MA's), (87, 1000), (111, 1075), (116, 1117), (119, 1156), (126, 1174),

Gene: Retro23_6 Start: 3007, Stop: 3477, Start Num: 54

Candidate Starts for Retro23_6:

(Start: 54 @3007 has 413 MA's), (65, 3091), (76, 3127), (82, 3166), (84, 3196), (100, 3292), (101, 3301), (111, 3325), (123, 3424), (126, 3433),

Gene: RexFury_3 Start: 1048, Stop: 1470, Start Num: 50

Candidate Starts for RexFury_3:

(Start: 50 @1048 has 285 MA's), (Start: 57 @1066 has 6 MA's), (74, 1159), (79, 1183), (82, 1195), (108, 1330), (119, 1420), (126, 1438), (129, 1453),

Gene: Rhodalysa_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Rhodalysa_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: RhynO_2 Start: 807, Stop: 1241, Start Num: 50

Candidate Starts for RhynO_2:

(Start: 48 @804 has 2 MA's), (Start: 50 @807 has 285 MA's), (64, 888), (80, 945), (102, 1077), (108, 1089), (111, 1098), (123, 1188), (126, 1197),

Gene: Rhynn_2 Start: 1080, Stop: 1520, Start Num: 54

Candidate Starts for Rhynn_2:

(Start: 54 @1080 has 413 MA's), (69, 1179), (102, 1353), (111, 1374), (118, 1428), (120, 1464), (124, 1473),

Gene: RidgeCB_3 Start: 1079, Stop: 1519, Start Num: 54

Candidate Starts for RidgeCB_3:

(Start: 54 @1079 has 413 MA's), (69, 1178), (102, 1352), (111, 1373), (118, 1427), (120, 1463), (124, 1472),

Gene: Rifter_5 Start: 2471, Stop: 2941, Start Num: 54

Candidate Starts for Rifter_5:

(Start: 54 @2471 has 413 MA's), (65, 2558), (82, 2633), (84, 2663), (98, 2747), (101, 2768), (111, 2792), (115, 2810),

Gene: Ringer_2 Start: 928, Stop: 1368, Start Num: 54

Candidate Starts for Ringer_2:

(Start: 54 @928 has 413 MA's), (69, 1027), (102, 1201), (111, 1222), (118, 1276), (120, 1312), (124, 1321),

Gene: Roary_2 Start: 834, Stop: 1262, Start Num: 51

Candidate Starts for Roary_2:

(Start: 39 @795 has 1 MA's), (Start: 51 @834 has 74 MA's), (83, 993), (89, 1056), (101, 1104),

Gene: RockieBear_1 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for RockieBear_1:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Rockstar_2 Start: 758, Stop: 1186, Start Num: 50

Candidate Starts for Rockstar_2:

(Start: 50 @758 has 285 MA's), (61, 821), (Start: 63 @836 has 3 MA's), (99, 1016), (102, 1028), (111, 1049), (116, 1091), (119, 1130), (126, 1148),

Gene: Rohr_3 Start: 1163, Stop: 1597, Start Num: 54

Candidate Starts for Rohr_3:

(Start: 54 @1163 has 413 MA's), (69, 1256), (102, 1430), (111, 1451), (118, 1505), (120, 1541), (124, 1550),

Gene: Roimos_2 Start: 754, Stop: 1182, Start Num: 50

Candidate Starts for Roimos_2:

(Start: 37 @709 has 2 MA's), (Start: 50 @754 has 285 MA's), (Start: 63 @832 has 3 MA's), (87, 970), (99, 1012), (102, 1024), (108, 1036), (111, 1045), (116, 1087), (119, 1126), (126, 1144),

Gene: Roksolana_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Roksolana_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Romney_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Romney_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Roosevelt_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Roosevelt_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Rosa24_1 Start: 801, Stop: 1232, Start Num: 50

Candidate Starts for Rosa24_1:

(Start: 50 @801 has 285 MA's), (69, 897), (82, 948), (87, 1017), (111, 1092), (112, 1095), (115, 1110), (116, 1134), (119, 1173), (126, 1191), (129, 1206),

Gene: Rosalind_5 Start: 2757, Stop: 3212, Start Num: 54

Candidate Starts for Rosalind_5:

(5, 2511), (6, 2517), (Start: 47 @2751 has 52 MA's), (Start: 54 @2757 has 413 MA's), (82, 2916), (101, 3051), (111, 3075), (112, 3078), (123, 3174),

Gene: Rowdy_2 Start: 804, Stop: 1238, Start Num: 50

Candidate Starts for Rowdy_2:

(Start: 48 @801 has 2 MA's), (Start: 50 @804 has 285 MA's), (64, 885), (69, 900), (74, 915), (80, 942), (102, 1074), (108, 1086), (111, 1095), (123, 1185), (126, 1194),

Gene: Rubeus_3 Start: 1079, Stop: 1519, Start Num: 54

Candidate Starts for Rubeus_3:

(Start: 54 @1079 has 413 MA's), (69, 1178), (102, 1352), (111, 1373), (118, 1427), (120, 1463), (124, 1472),

Gene: Rufus_3 Start: 1078, Stop: 1518, Start Num: 54

Candidate Starts for Rufus_3:

(Start: 54 @1078 has 413 MA's), (69, 1177), (102, 1351), (111, 1372), (118, 1426), (120, 1462), (124, 1471),

Gene: Ruin_2 Start: 802, Stop: 1233, Start Num: 50

Candidate Starts for Ruin_2:

(Start: 50 @802 has 285 MA's), (69, 898), (82, 949), (87, 1018), (111, 1093), (112, 1096), (115, 1111), (116, 1135), (119, 1174), (126, 1192), (129, 1207),

Gene: Rummer_2 Start: 857, Stop: 1276, Start Num: 50

Candidate Starts for Rummer_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: Ruotula_3 Start: 1660, Stop: 2100, Start Num: 54

Candidate Starts for Ruotula_3:

(Start: 54 @1660 has 413 MA's), (69, 1759), (102, 1933), (111, 1954), (118, 2008), (120, 2044), (124, 2053),

Gene: Rusticus_6 Start: 2116, Stop: 2541, Start Num: 55

Candidate Starts for Rusticus_6:

(33, 2032), (41, 2080), (Start: 55 @2116 has 37 MA's), (67, 2203), (Start: 68 @2206 has 2 MA's), (102, 2386),

Gene: Rutherferd_3 Start: 1093, Stop: 1527, Start Num: 54

Candidate Starts for Rutherferd_3:

(Start: 39 @1054 has 1 MA's), (Start: 54 @1093 has 413 MA's), (69, 1186), (102, 1360), (111, 1381), (118, 1435), (120, 1471), (124, 1480),

Gene: RyeScarlet_6 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for RyeScarlet_6:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: STLscum_4 Start: 1351, Stop: 1785, Start Num: 54

Candidate Starts for STLscum_4:

(Start: 54 @1351 has 413 MA's), (69, 1444), (102, 1618), (111, 1639), (118, 1693), (120, 1729), (124, 1738),

Gene: Sabertooth_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Sabertooth_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Sabia_2 Start: 851, Stop: 1276, Start Num: 47

Candidate Starts for Sabia_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: Sabinator_2 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for Sabinator_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Saftant_5 Start: 2088, Stop: 2516, Start Num: 55

Candidate Starts for Saftant_5:

(Start: 55 @2088 has 37 MA's), (64, 2163), (Start: 68 @2178 has 2 MA's), (102, 2358), (121, 2469),

Gene: Sagefire_4 Start: 1231, Stop: 1671, Start Num: 54

Candidate Starts for Sagefire_4:

(Start: 54 @1231 has 413 MA's), (69, 1330), (102, 1504), (111, 1525), (118, 1579), (120, 1615), (124, 1624),

Gene: Saintus_2 Start: 834, Stop: 1262, Start Num: 51

Candidate Starts for Saintus_2:

(Start: 39 @795 has 1 MA's), (Start: 51 @834 has 74 MA's), (83, 993), (89, 1056), (92, 1077), (101, 1104),

Gene: Salz_5 Start: 2689, Stop: 3153, Start Num: 54

Candidate Starts for Salz_5:

(Start: 54 @2689 has 413 MA's), (65, 2773), (101, 2983), (111, 3007), (123, 3106), (126, 3115),

Gene: Sandaddy_2 Start: 930, Stop: 1364, Start Num: 54

Candidate Starts for Sandaddy_2:

(Start: 54 @930 has 413 MA's), (69, 1023), (102, 1197), (111, 1218), (118, 1272), (120, 1308), (124, 1317),

Gene: Sanya_2 Start: 1659, Stop: 2093, Start Num: 54

Candidate Starts for Sanya_2:

(Start: 54 @1659 has 413 MA's), (69, 1752), (101, 1923), (102, 1926), (108, 1938), (111, 1947), (118, 2001), (120, 2037), (124, 2046),

Gene: SarFire_3 Start: 1088, Stop: 1522, Start Num: 54

Candidate Starts for SarFire_3:

(Start: 54 @1088 has 413 MA's), (69, 1181), (102, 1355), (111, 1376), (118, 1430), (120, 1466), (124, 1475),

Gene: SarahRose_5 Start: 1930, Stop: 2355, Start Num: 55

Candidate Starts for SarahRose_5:

(23, 1780), (Start: 55 @1930 has 37 MA's), (Start: 68 @2020 has 2 MA's), (83, 2089), (102, 2200),

Gene: Saskia_4 Start: 2692, Stop: 3156, Start Num: 54

Candidate Starts for Saskia_4:

(Start: 54 @2692 has 413 MA's), (65, 2776), (101, 2986), (111, 3010), (123, 3109), (126, 3118),

Gene: SaturnRing_1 Start: 759, Stop: 1187, Start Num: 50

Candidate Starts for SaturnRing_1:

(Start: 50 @759 has 285 MA's), (Start: 63 @837 has 3 MA's), (108, 1041), (111, 1050), (116, 1092), (119, 1131), (126, 1149),

Gene: Scamp_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Scamp_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Scherzo_5 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for Scherzo_5:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: Scorpia_2 Start: 840, Stop: 1289, Start Num: 52

Candidate Starts for Scorpia_2:

(Start: 52 @840 has 39 MA's), (71, 939), (83, 1008), (101, 1131), (111, 1155), (114, 1170),

Gene: Scout_2 Start: 754, Stop: 1182, Start Num: 50

Candidate Starts for Scout_2:

(Start: 37 @709 has 2 MA's), (Start: 50 @754 has 285 MA's), (Start: 63 @832 has 3 MA's), (99, 1012), (102, 1024), (111, 1045), (116, 1087), (126, 1144),

Gene: Scowl_4 Start: 1451, Stop: 1891, Start Num: 54

Candidate Starts for Scowl_4:

(Start: 54 @1451 has 413 MA's), (69, 1550), (102, 1724), (111, 1745), (118, 1799), (120, 1835), (124, 1844),

Gene: Seabiscuit_3 Start: 1080, Stop: 1514, Start Num: 54

Candidate Starts for Seabiscuit_3:

(Start: 54 @1080 has 413 MA's), (69, 1173), (102, 1347), (111, 1368), (118, 1422), (120, 1458), (124, 1467),

Gene: Seanderson_4 Start: 1605, Stop: 2045, Start Num: 54

Candidate Starts for Seanderson_4:

(16, 1416), (29, 1494), (35, 1551), (36, 1554), (Start: 54 @1605 has 413 MA's), (69, 1704), (102, 1878), (111, 1899), (118, 1953), (120, 1989), (124, 1998),

Gene: SemperFi_6 Start: 2898, Stop: 3368, Start Num: 54

Candidate Starts for SemperFi_6:

(Start: 54 @2898 has 413 MA's), (65, 2982), (76, 3018), (82, 3057), (84, 3087), (100, 3183), (101, 3192), (111, 3216), (123, 3315), (126, 3324),

Gene: SenorClean_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for SenorClean_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Serenity_5 Start: 2661, Stop: 3128, Start Num: 54

Candidate Starts for Serenity_5:

(Start: 54 @2661 has 413 MA's), (65, 2745), (69, 2757), (74, 2772), (82, 2820), (84, 2850), (85, 2880), (100, 2946), (101, 2955), (111, 2979), (126, 3087),

Gene: Severus_2 Start: 805, Stop: 1236, Start Num: 50

Candidate Starts for Severus_2:

(Start: 50 @805 has 285 MA's), (64, 886), (80, 943), (102, 1075), (108, 1087), (111, 1096), (123, 1186), (126, 1195),

Gene: Shaka_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Shaka_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Sham4_5 Start: 2692, Stop: 3156, Start Num: 54

Candidate Starts for Sham4_5:

(Start: 54 @2692 has 413 MA's), (65, 2776), (101, 2986), (111, 3010), (123, 3109), (126, 3118),

Gene: Shapes_2 Start: 804, Stop: 1238, Start Num: 50

Candidate Starts for Shapes_2:

(Start: 48 @801 has 2 MA's), (Start: 50 @804 has 285 MA's), (64, 885), (69, 900), (74, 915), (80, 942), (102, 1074), (108, 1086), (111, 1095), (123, 1185), (126, 1194),

Gene: ShayRa_6 Start: 2757, Stop: 3212, Start Num: 54

Candidate Starts for ShayRa_6:

(5, 2511), (6, 2517), (Start: 47 @2751 has 52 MA's), (Start: 54 @2757 has 413 MA's), (74, 2868), (82, 2916), (101, 3051), (111, 3075), (112, 3078), (123, 3174),

Gene: SheaKeira_5 Start: 2450, Stop: 2920, Start Num: 51

Candidate Starts for SheaKeira_5:

(Start: 51 @2450 has 74 MA's), (62, 2519), (65, 2534), (82, 2609), (100, 2735), (101, 2744), (111, 2768), (123, 2867), (126, 2876),

Gene: Sheen_2 Start: 732, Stop: 1166, Start Num: 49

Candidate Starts for Sheen_2:

(6, 489), (10, 510), (22, 585), (42, 696), (44, 705), (Start: 49 @732 has 5 MA's), (87, 951), (108, 1017), (111, 1026), (126, 1131),

Gene: SheldonCooper_2 Start: 801, Stop: 1232, Start Num: 50

Candidate Starts for SheldonCooper_2:

(Start: 50 @801 has 285 MA's), (69, 897), (82, 948), (87, 1017), (111, 1092), (112, 1095), (115, 1110), (116, 1134), (126, 1191), (129, 1206),

Gene: ShortQueendom_2 Start: 930, Stop: 1370, Start Num: 54

Candidate Starts for ShortQueendom_2:

(Start: 54 @930 has 413 MA's), (69, 1029), (101, 1200), (102, 1203), (108, 1215), (111, 1224), (118, 1278), (120, 1314), (124, 1323),

Gene: Shuman_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Shuman_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Shygu2_2 Start: 807, Stop: 1235, Start Num: 50

Candidate Starts for Shygu2_2:

(Start: 50 @807 has 285 MA's), (65, 891), (69, 903), (82, 954), (87, 1023), (111, 1098), (112, 1101), (115, 1116), (116, 1140), (123, 1188), (126, 1197), (129, 1212),

Gene: Sibs6_4 Start: 1279, Stop: 1713, Start Num: 54

Candidate Starts for Sibs6_4:

(20, 1126), (26, 1153), (31, 1186), (Start: 54 @1279 has 413 MA's), (69, 1372), (102, 1546), (111, 1567), (118, 1621), (120, 1657), (124, 1666),

Gene: SkiPole_4 Start: 1351, Stop: 1785, Start Num: 54

Candidate Starts for SkiPole_4:

(Start: 54 @1351 has 413 MA's), (69, 1444), (102, 1618), (111, 1639), (118, 1693), (120, 1729), (124, 1738),

Gene: Skipitt_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Skipitt_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Sknot_6 Start: 2959, Stop: 3429, Start Num: 54

Candidate Starts for Sknot_6:

(Start: 54 @2959 has 413 MA's), (65, 3043), (69, 3055), (76, 3079), (82, 3118), (84, 3148), (100, 3244), (101, 3253), (111, 3277), (123, 3376), (126, 3385),

Gene: Slagathor_3 Start: 1081, Stop: 1521, Start Num: 54

Candidate Starts for Slagathor_3:

(Start: 54 @1081 has 413 MA's), (69, 1180), (102, 1354), (111, 1375), (118, 1429), (120, 1465), (124, 1474),

Gene: Smairt_3 Start: 1435, Stop: 1875, Start Num: 54

Candidate Starts for Smairt_3:

(16, 1246), (29, 1324), (35, 1381), (36, 1384), (Start: 54 @1435 has 413 MA's), (69, 1534), (102, 1708), (111, 1729), (118, 1783), (120, 1819), (124, 1828),

Gene: Smeadley_2 Start: 834, Stop: 1262, Start Num: 51

Candidate Starts for Smeadley_2:

(Start: 39 @795 has 1 MA's), (Start: 51 @834 has 74 MA's), (83, 993), (89, 1056), (101, 1104),

Gene: Smeagan_6 Start: 2886, Stop: 3356, Start Num: 54

Candidate Starts for Smeagan_6:

(Start: 54 @2886 has 413 MA's), (65, 2970), (69, 2982), (76, 3006), (82, 3045), (84, 3075), (100, 3171), (101, 3180), (111, 3204), (123, 3303), (126, 3312),

Gene: Smeagol_3 Start: 1436, Stop: 1876, Start Num: 54

Candidate Starts for Smeagol_3:

(16, 1247), (29, 1325), (35, 1382), (36, 1385), (Start: 54 @1436 has 413 MA's), (69, 1535), (102, 1709), (111, 1730), (118, 1784), (120, 1820), (124, 1829),

Gene: SmellyB_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for SmellyB_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: SnapTap_6 Start: 2904, Stop: 3374, Start Num: 54

Candidate Starts for SnapTap_6:

(4, 2646), (11, 2685), (17, 2718), (Start: 54 @2904 has 413 MA's), (65, 2988), (76, 3024), (82, 3063), (84, 3093), (100, 3189), (101, 3198), (111, 3222), (123, 3321), (126, 3330),

Gene: Snape_5 Start: 2695, Stop: 3159, Start Num: 54

Candidate Starts for Snape_5:

(Start: 54 @2695 has 413 MA's), (65, 2779), (101, 2989), (111, 3013), (123, 3112), (126, 3121),

Gene: Snazzy_2 Start: 926, Stop: 1366, Start Num: 54

Candidate Starts for Snazzy_2:

(Start: 54 @926 has 413 MA's), (69, 1025), (101, 1196), (102, 1199), (108, 1211), (111, 1220), (118, 1274), (120, 1310), (124, 1319),

Gene: Snickers_2 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for Snickers_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Snorlax_5 Start: 1930, Stop: 2355, Start Num: 55

Candidate Starts for Snorlax_5:

(23, 1780), (Start: 55 @1930 has 37 MA's), (Start: 68 @2020 has 2 MA's), (83, 2089), (102, 2200),

Gene: SoYo_2 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for SoYo_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: SoilDragon_2 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for SoilDragon_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Solon_2 Start: 929, Stop: 1369, Start Num: 54

Candidate Starts for Solon_2:

(Start: 54 @929 has 413 MA's), (69, 1028), (102, 1202), (111, 1223), (118, 1277), (120, 1313), (124, 1322),

Gene: SororFago_5 Start: 2731, Stop: 3204, Start Num: 50

Candidate Starts for SororFago_5:

(44, 2704), (Start: 50 @2731 has 285 MA's), (69, 2830), (74, 2845), (76, 2854), (82, 2893), (84, 2923), (100, 3019), (101, 3028), (111, 3052),

Gene: Sorpresa_2 Start: 930, Stop: 1364, Start Num: 54

Candidate Starts for Sorpresa_2:

(Start: 54 @930 has 413 MA's), (69, 1023), (102, 1197), (111, 1218), (118, 1272), (120, 1308), (124, 1317),

Gene: Soshari_4 Start: 857, Stop: 1276, Start Num: 50

Candidate Starts for Soshari_4:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: Soups_5 Start: 2757, Stop: 3212, Start Num: 54

Candidate Starts for Soups_5:

(5, 2511), (6, 2517), (Start: 47 @2751 has 52 MA's), (Start: 54 @2757 has 413 MA's), (82, 2916), (101, 3051), (111, 3075), (112, 3078), (123, 3174),

Gene: South40_6 Start: 2202, Stop: 2627, Start Num: 56

Candidate Starts for South40_6:

(Start: 47 @2193 has 52 MA's), (Start: 56 @2202 has 41 MA's), (Start: 68 @2292 has 2 MA's), (88, 2421), (102, 2472),

Gene: Sparxx_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Sparxx_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Speedwell_6 Start: 2026, Stop: 2454, Start Num: 55

Candidate Starts for Speedwell_6:

(19, 1846), (Start: 55 @2026 has 37 MA's), (Start: 68 @2116 has 2 MA's), (102, 2296), (121, 2407),

Gene: Spike509_2 Start: 875, Stop: 1276, Start Num: 57

Candidate Starts for Spike509_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: SpikeBT_3 Start: 1127, Stop: 1567, Start Num: 54

Candidate Starts for SpikeBT_3:

(20, 974), (26, 1001), (31, 1034), (Start: 54 @1127 has 413 MA's), (69, 1226), (102, 1400), (111, 1421), (118, 1475), (120, 1511), (124, 1520),

Gene: Spino_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Spino_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Spouty_5 Start: 2666, Stop: 3139, Start Num: 51

Candidate Starts for Spouty_5:

(17, 2480), (30, 2558), (Start: 51 @2666 has 74 MA's), (60, 2723), (74, 2780), (82, 2828), (84, 2858), (101, 2963), (111, 2987), (119, 3077), (123, 3086), (126, 3095),

Gene: SqueakyClean_6 Start: 2000, Stop: 2431, Start Num: 47

Candidate Starts for SqueakyClean_6:

(Start: 47 @2000 has 52 MA's), (Start: 68 @2096 has 2 MA's), (71, 2105), (89, 2228), (102, 2276), (115, 2315), (116, 2339), (130, 2423),

Gene: Squee_2 Start: 937, Stop: 1377, Start Num: 54

Candidate Starts for Squee_2:

(Start: 54 @937 has 413 MA's), (69, 1036), (102, 1210), (111, 1231), (118, 1285), (120, 1321), (124, 1330),

Gene: StCroix_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for StCroix_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Stagni_2 Start: 857, Stop: 1276, Start Num: 50

Candidate Starts for Stagni_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: StarStuff_5 Start: 2677, Stop: 3144, Start Num: 54

Candidate Starts for StarStuff_5:

(Start: 47 @2671 has 52 MA's), (Start: 54 @2677 has 413 MA's), (65, 2761), (69, 2773), (76, 2797), (77, 2806), (82, 2836), (84, 2866), (101, 2971), (111, 2995), (123, 3094), (126, 3103),

Gene: Stasia_2 Start: 809, Stop: 1237, Start Num: 50

Candidate Starts for Stasia_2:

(Start: 50 @809 has 285 MA's), (69, 905), (82, 956), (87, 1025), (111, 1100), (112, 1103), (115, 1118), (116, 1142), (123, 1190), (126, 1199), (129, 1214),

Gene: SteMason_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for SteMason_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Steamy_5 Start: 2555, Stop: 3034, Start Num: 51

Candidate Starts for Steamy_5:

(Start: 51 @2555 has 74 MA's), (82, 2717), (101, 2852), (111, 2876), (115, 2894), (123, 2975),

Gene: StepMih_2 Start: 857, Stop: 1276, Start Num: 50

Candidate Starts for StepMih_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: Stephig9_2 Start: 796, Stop: 1263, Start Num: 39

Candidate Starts for Stephig9_2:

(Start: 39 @796 has 1 MA's), (Start: 51 @835 has 74 MA's), (83, 994), (89, 1057), (92, 1078), (101, 1105),

Gene: StewieG_2 Start: 928, Stop: 1368, Start Num: 54

Candidate Starts for StewieG_2:

(Start: 54 @928 has 413 MA's), (69, 1027), (101, 1198), (102, 1201), (108, 1213), (111, 1222), (118, 1276), (120, 1312), (124, 1321),

Gene: Stink_2 Start: 801, Stop: 1229, Start Num: 50

Candidate Starts for Stink_2:

(Start: 50 @801 has 285 MA's), (65, 885), (69, 897), (82, 948), (87, 1017), (111, 1092), (112, 1095), (115, 1110), (116, 1134), (119, 1173), (123, 1182), (126, 1191), (129, 1206),

Gene: StrongArm_2 Start: 930, Stop: 1370, Start Num: 54

Candidate Starts for StrongArm_2:

(Start: 54 @930 has 413 MA's), (69, 1029), (102, 1203), (111, 1224), (118, 1278), (120, 1314), (124, 1323),

Gene: Strosahl_5 Start: 2610, Stop: 3065, Start Num: 54

Candidate Starts for Strosahl_5:

(5, 2364), (6, 2370), (Start: 47 @2604 has 52 MA's), (Start: 54 @2610 has 413 MA's), (82, 2769), (101, 2904), (111, 2928), (112, 2931), (123, 3027),

Gene: Sudan_5 Start: 2062, Stop: 2490, Start Num: 56

Candidate Starts for Sudan_5:

(Start: 47 @2053 has 52 MA's), (Start: 56 @2062 has 41 MA's), (64, 2137), (67, 2149), (Start: 68 @2152 has 2 MA's), (102, 2332), (115, 2371), (121, 2443), (122, 2446),

Gene: Sujidade_6 Start: 2226, Stop: 2651, Start Num: 56

Candidate Starts for Sujidade_6:

(Start: 47 @2217 has 52 MA's), (Start: 56 @2226 has 41 MA's), (Start: 68 @2316 has 2 MA's), (83, 2385), (102, 2496),

Gene: Sultana_2 Start: 804, Stop: 1235, Start Num: 50

Candidate Starts for Sultana_2:

(Start: 50 @804 has 285 MA's), (69, 900), (82, 951), (87, 1020), (111, 1095), (112, 1098), (115, 1113), (116, 1137), (119, 1176), (126, 1194), (129, 1209),

Gene: Sumter_3 Start: 1095, Stop: 1529, Start Num: 54

Candidate Starts for Sumter_3:

(Start: 39 @1056 has 1 MA's), (Start: 54 @1095 has 413 MA's), (Start: 57 @1107 has 6 MA's), (69, 1188), (102, 1362), (111, 1383), (118, 1437), (120, 1473), (124, 1482),

Gene: Sunhee_5 Start: 2749, Stop: 3216, Start Num: 51

Candidate Starts for Sunhee_5:

(44, 2722), (Start: 51 @2749 has 74 MA's), (Start: 57 @2764 has 6 MA's), (76, 2866), (82, 2905), (84, 2935), (100, 3031), (101, 3040), (111, 3064),

Gene: SunkenRoot_7 Start: 2124, Stop: 2552, Start Num: 55

Candidate Starts for SunkenRoot_7:

(Start: 55 @2124 has 37 MA's), (64, 2199), (Start: 68 @2214 has 2 MA's), (102, 2394), (121, 2505), (122, 2508),

Gene: SunsetPointe_5 Start: 1955, Stop: 2380, Start Num: 56

Candidate Starts for SunsetPointe_5:

(Start: 47 @1946 has 52 MA's), (Start: 56 @1955 has 41 MA's), (67, 2042), (Start: 68 @2045 has 2 MA's), (102, 2225),

Gene: Sunshine924_2 Start: 926, Stop: 1360, Start Num: 54

Candidate Starts for Sunshine924_2:

(Start: 54 @926 has 413 MA's), (Start: 57 @938 has 6 MA's), (69, 1019), (102, 1193), (111, 1214), (118, 1268), (120, 1304), (124, 1313),

Gene: SuperAwesome_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for SuperAwesome_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: SuperCallie99_5 Start: 2483, Stop: 2953, Start Num: 54

Candidate Starts for SuperCallie99_5:

(Start: 54 @2483 has 413 MA's), (65, 2570), (69, 2582), (82, 2645), (84, 2675), (87, 2714), (90, 2726), (101, 2780), (111, 2804), (126, 2915),

Gene: Superchunk_5 Start: 2488, Stop: 2952, Start Num: 54

Candidate Starts for Superchunk_5:

(Start: 54 @2488 has 413 MA's), (65, 2572), (69, 2584), (76, 2608), (82, 2647), (101, 2782), (111, 2806), (112, 2809), (119, 2899), (123, 2908), (126, 2917),

Gene: Superstar_6 Start: 2556, Stop: 2990, Start Num: 47

Candidate Starts for Superstar_6:

(Start: 47 @2556 has 52 MA's), (Start: 68 @2652 has 2 MA's), (102, 2832), (115, 2871), (116, 2895),

Gene: Swann_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Swann_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: SweetiePie_6 Start: 2904, Stop: 3374, Start Num: 54

Candidate Starts for SweetiePie_6:

(Start: 54 @2904 has 413 MA's), (65, 2988), (76, 3024), (82, 3063), (84, 3093), (100, 3189), (101, 3198), (111, 3222), (123, 3321), (126, 3330),

Gene: SwirlSquare_5 Start: 2486, Stop: 2950, Start Num: 54

Candidate Starts for SwirlSquare_5:

(Start: 54 @2486 has 413 MA's), (65, 2570), (69, 2582), (76, 2606), (82, 2645), (101, 2780), (111, 2804), (112, 2807), (114, 2819), (119, 2897), (123, 2906), (126, 2915),

Gene: Swirley_2 Start: 840, Stop: 1289, Start Num: 52

Candidate Starts for Swirley_2:

(11, 624), (14, 639), (15, 642), (17, 657), (18, 663), (21, 687), (44, 810), (Start: 52 @840 has 39 MA's), (69, 933), (71, 939), (76, 957), (83, 1008), (101, 1131), (111, 1155), (114, 1170),

Gene: SwissCheese_2 Start: 927, Stop: 1361, Start Num: 54

Candidate Starts for SwissCheese_2:

(Start: 54 @927 has 413 MA's), (69, 1020), (102, 1194), (111, 1215), (118, 1269), (120, 1305), (124, 1314),

Gene: Switzer_3 Start: 1078, Stop: 1512, Start Num: 54

Candidate Starts for Switzer_3:

(Start: 54 @1078 has 413 MA's), (69, 1171), (102, 1345), (111, 1366), (118, 1420), (120, 1456), (124, 1465),

Gene: Switzerland_5 Start: 2757, Stop: 3212, Start Num: 54

Candidate Starts for Switzerland_5:

(5, 2511), (6, 2517), (Start: 47 @2751 has 52 MA's), (Start: 54 @2757 has 413 MA's), (82, 2916), (101, 3051), (111, 3075), (112, 3078), (123, 3174),

Gene: Swole_4 Start: 1366, Stop: 1806, Start Num: 54

Candidate Starts for Swole_4:

(Start: 54 @1366 has 413 MA's), (69, 1465), (102, 1639), (111, 1660), (118, 1714), (120, 1750), (124, 1759),

Gene: SydNat_2 Start: 840, Stop: 1289, Start Num: 52

Candidate Starts for SydNat_2:

(11, 624), (14, 639), (17, 657), (44, 810), (Start: 52 @840 has 39 MA's), (69, 933), (71, 939), (76, 957), (83, 1008), (101, 1131), (111, 1155), (114, 1170),

Gene: TNguyen7_2 Start: 757, Stop: 1185, Start Num: 50

Candidate Starts for TNguyen7_2:

(Start: 50 @757 has 285 MA's), (Start: 63 @835 has 3 MA's), (108, 1039), (111, 1048), (116, 1090), (119, 1129), (126, 1147),

Gene: TWAMP_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for TWAMP_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: TagePhighter_6 Start: 1930, Stop: 2355, Start Num: 55

Candidate Starts for TagePhighter_6:

(23, 1780), (Start: 55 @1930 has 37 MA's), (Start: 68 @2020 has 2 MA's), (83, 2089), (102, 2200),

Gene: Tailonex_2 Start: 664, Stop: 1077, Start Num: 54

Candidate Starts for Tailonex_2:

(Start: 54 @664 has 413 MA's), (60, 712), (102, 928), (117, 997), (127, 1063),

Gene: Takoda_3 Start: 1010, Stop: 1432, Start Num: 50

Candidate Starts for Takoda_3:

(Start: 50 @1010 has 285 MA's), (74, 1121), (79, 1145), (82, 1157), (108, 1292), (119, 1382), (126, 1400), (129, 1415),

Gene: Taquarus_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Taquarus_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Target_3 Start: 1182, Stop: 1616, Start Num: 54

Candidate Starts for Target_3:

(Start: 54 @1182 has 413 MA's), (69, 1275), (102, 1449), (111, 1470), (118, 1524), (120, 1560), (124, 1569),

Gene: TarsusIV_6 Start: 2898, Stop: 3374, Start Num: 51

Candidate Starts for TarsusIV_6:

(Start: 51 @2898 has 74 MA's), (65, 2985), (69, 2997), (76, 3021), (82, 3060), (98, 3174), (101, 3195), (111, 3219), (121, 3312), (123, 3318), (126, 3327),

Gene: Tarynearal_1 Start: 869, Stop: 1318, Start Num: 52

Candidate Starts for Tarynearal_1:

(11, 653), (14, 668), (15, 671), (17, 686), (18, 692), (21, 716), (44, 839), (Start: 52 @869 has 39 MA's), (69, 962), (71, 968), (76, 986), (83, 1037), (101, 1160), (111, 1184), (114, 1199),

Gene: Tasp14_3 Start: 1101, Stop: 1535, Start Num: 54

Candidate Starts for Tasp14_3:

(Start: 54 @1101 has 413 MA's), (69, 1194), (102, 1368), (111, 1389), (118, 1443), (120, 1479), (124, 1488),

Gene: Taurus_2 Start: 850, Stop: 1275, Start Num: 47

Candidate Starts for Taurus_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: Tefunt_5 Start: 1727, Stop: 2161, Start Num: 47

Candidate Starts for Tefunt_5:

(Start: 47 @1727 has 52 MA's), (Start: 68 @1823 has 2 MA's), (102, 2003), (115, 2042), (116, 2066),

Gene: Temprado_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Temprado_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Teodoridan_2 Start: 931, Stop: 1371, Start Num: 54

Candidate Starts for Teodoridan_2:

(Start: 54 @931 has 413 MA's), (69, 1030), (102, 1204), (111, 1225), (118, 1279), (120, 1315), (124, 1324),

Gene: Terrific_7 Start: 2955, Stop: 3425, Start Num: 54

Candidate Starts for Terrific_7:

(Start: 54 @2955 has 413 MA's), (65, 3039), (69, 3051), (76, 3075), (82, 3114), (84, 3144), (100, 3240), (101, 3249), (111, 3273), (123, 3372), (126, 3381),

Gene: Texage_1 Start: 784, Stop: 1212, Start Num: 50

Candidate Starts for Texage_1:

(Start: 50 @784 has 285 MA's), (Start: 63 @862 has 3 MA's), (87, 1000), (111, 1075), (116, 1117), (119, 1156), (126, 1174),

Gene: Thanksgivukkah_2 Start: 804, Stop: 1235, Start Num: 50

Candidate Starts for Thanksgivukkah_2:

(Start: 50 @804 has 285 MA's), (69, 900), (82, 951), (87, 1020), (111, 1095), (112, 1098), (115, 1113), (116, 1137), (119, 1176), (126, 1194), (129, 1209),

Gene: Theia_1 Start: 840, Stop: 1289, Start Num: 52

Candidate Starts for Theia_1:

(7, 600), (11, 624), (14, 639), (44, 810), (Start: 52 @840 has 39 MA's), (69, 933), (71, 939), (76, 957), (83, 1008), (101, 1131), (111, 1155), (114, 1170),

Gene: TheloniousMonk_3 Start: 1079, Stop: 1519, Start Num: 54

Candidate Starts for TheloniousMonk_3:

(Start: 54 @1079 has 413 MA's), (69, 1178), (101, 1349), (102, 1352), (108, 1364), (111, 1373), (118, 1427), (120, 1463), (124, 1472),

Gene: Thestral_6 Start: 1799, Stop: 2230, Start Num: 47

Candidate Starts for Thestral_6:

(Start: 47 @1799 has 52 MA's), (Start: 68 @1895 has 2 MA's), (71, 1904), (89, 2027), (102, 2075), (115, 2114), (116, 2138), (130, 2222),

Gene: Thor_3 Start: 1088, Stop: 1522, Start Num: 54

Candidate Starts for Thor_3:

(Start: 54 @1088 has 413 MA's), (69, 1181), (102, 1355), (111, 1376), (118, 1430), (120, 1466), (124, 1475),

Gene: Tiffany_2 Start: 851, Stop: 1276, Start Num: 47

Candidate Starts for Tiffany_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: Tiger_2 Start: 871, Stop: 1320, Start Num: 52

Candidate Starts for Tiger_2:

(11, 655), (14, 670), (15, 673), (17, 688), (18, 694), (21, 718), (44, 841), (Start: 52 @871 has 39 MA's), (69, 964), (71, 970), (76, 988), (83, 1039), (101, 1162), (111, 1186), (114, 1201),

Gene: Timothy_5 Start: 2689, Stop: 3153, Start Num: 54

Candidate Starts for Timothy_5:

(Start: 54 @2689 has 413 MA's), (65, 2773), (101, 2983), (111, 3007), (123, 3106), (126, 3115),

Gene: Timshel_2 Start: 743, Stop: 1177, Start Num: 49

Candidate Starts for Timshel_2:

(Start: 49 @743 has 5 MA's), (Start: 63 @821 has 3 MA's), (65, 827), (69, 842), (74, 857), (82, 893), (85, 953), (87, 962), (111, 1037), (115, 1055), (116, 1079), (126, 1136),

Gene: TinaBelcher_5 Start: 1750, Stop: 2181, Start Num: 47

Candidate Starts for TinaBelcher_5:

(Start: 47 @1750 has 52 MA's), (Start: 68 @1846 has 2 MA's), (71, 1855), (89, 1978), (102, 2026), (115, 2065), (116, 2089), (130, 2173),

Gene: TinaFeyge_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for TinaFeyge_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: TinyPebbles_2 Start: 857, Stop: 1276, Start Num: 50

Candidate Starts for TinyPebbles_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: TinyTimmy_5 Start: 2689, Stop: 3153, Start Num: 54

Candidate Starts for TinyTimmy_5:

(Start: 54 @2689 has 413 MA's), (65, 2773), (101, 2983), (111, 3007), (123, 3106), (126, 3115),

Gene: Tinybot_1 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Tinybot_1:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: TipsytheTRex_5 Start: 2659, Stop: 3126, Start Num: 54

Candidate Starts for TipsytheTRex_5:

(Start: 54 @2659 has 413 MA's), (65, 2743), (69, 2755), (74, 2770), (82, 2818), (84, 2848), (85, 2878), (100, 2944), (101, 2953), (111, 2977), (113, 2989), (123, 3076), (126, 3085),

Gene: TiroTheta9_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for TiroTheta9_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Toaka_5 Start: 2723, Stop: 3196, Start Num: 51

Candidate Starts for Toaka_5:

(Start: 51 @2723 has 74 MA's), (69, 2822), (82, 2885), (100, 3011), (101, 3020), (111, 3044), (123, 3143),

Gene: Todacoro_2 Start: 784, Stop: 1212, Start Num: 50

Candidate Starts for Todacoro_2:

(Start: 50 @784 has 285 MA's), (Start: 63 @862 has 3 MA's), (87, 1000), (111, 1075), (116, 1117), (119, 1156), (126, 1174),

Gene: Toma_5 Start: 1931, Stop: 2356, Start Num: 56

Candidate Starts for Toma_5:

(Start: 47 @1922 has 52 MA's), (Start: 56 @1931 has 41 MA's), (Start: 68 @2021 has 2 MA's), (83, 2090), (102, 2201),

Gene: Tomathan_5 Start: 2677, Stop: 3144, Start Num: 54

Candidate Starts for Tomathan_5:

(Start: 47 @2671 has 52 MA's), (Start: 54 @2677 has 413 MA's), (65, 2761), (69, 2773), (76, 2797), (77, 2806), (82, 2836), (84, 2866), (101, 2971), (111, 2995), (123, 3094), (126, 3103),

Gene: ToneTone_4 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for ToneTone_4:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Topanga_2 Start: 850, Stop: 1281, Start Num: 50

Candidate Starts for Topanga_2:

(Start: 48 @847 has 2 MA's), (Start: 50 @850 has 285 MA's), (64, 931), (69, 946), (74, 961), (80, 988), (102, 1120), (108, 1132), (111, 1141), (116, 1183), (123, 1231), (126, 1240),

Gene: Topgun_3 Start: 1130, Stop: 1564, Start Num: 54

Candidate Starts for Topgun_3:

(Start: 54 @1130 has 413 MA's), (69, 1223), (102, 1397), (111, 1418), (118, 1472), (120, 1508), (124, 1517),

Gene: Toro_2 Start: 731, Stop: 1165, Start Num: 49

Candidate Starts for Toro_2:

(1, 401), (6, 488), (10, 509), (22, 584), (42, 695), (44, 704), (Start: 49 @731 has 5 MA's), (87, 950), (108, 1016), (111, 1025), (126, 1130),

Gene: Tote_4 Start: 1366, Stop: 1806, Start Num: 54

Candidate Starts for Tote_4:

(Start: 54 @1366 has 413 MA's), (69, 1465), (102, 1639), (111, 1660), (118, 1714), (120, 1750), (124, 1759),

Gene: TouchMeNot_2 Start: 799, Stop: 1230, Start Num: 56

Candidate Starts for TouchMeNot_2:

(Start: 56 @799 has 41 MA's), (72, 895), (94, 1039), (103, 1069), (105, 1072), (107, 1078), (114, 1105), (129, 1216),

Gene: Traft412_5 Start: 1776, Stop: 2216, Start Num: 54

Candidate Starts for Traft412_5:

(20, 1623), (26, 1650), (31, 1683), (Start: 54 @1776 has 413 MA's), (69, 1875), (102, 2049), (111, 2070), (118, 2124), (120, 2160), (124, 2169),

Gene: Travvers_5 Start: 2677, Stop: 3144, Start Num: 54

Candidate Starts for Travvers_5:

(Start: 47 @2671 has 52 MA's), (Start: 54 @2677 has 413 MA's), (65, 2761), (69, 2773), (76, 2797), (77, 2806), (82, 2836), (84, 2866), (101, 2971), (111, 2995), (123, 3094), (126, 3103),

Gene: Treddle_3 Start: 1082, Stop: 1522, Start Num: 54

Candidate Starts for Treddle_3:

(Start: 54 @1082 has 413 MA's), (69, 1181), (102, 1355), (111, 1376), (118, 1430), (120, 1466), (124, 1475),

Gene: Trike_1 Start: 804, Stop: 1235, Start Num: 50

Candidate Starts for Trike_1:

(Start: 50 @804 has 285 MA's), (64, 885), (80, 942), (102, 1074), (108, 1086), (111, 1095), (123, 1185), (126, 1194),

Gene: Tripl3t_3 Start: 1126, Stop: 1566, Start Num: 54

Candidate Starts for Tripl3t_3:

(Start: 54 @1126 has 413 MA's), (69, 1225), (102, 1399), (111, 1420), (118, 1474), (120, 1510), (124, 1519),

Gene: Tristan_5 Start: 2455, Stop: 2925, Start Num: 51

Candidate Starts for Tristan_5:

(Start: 51 @2455 has 74 MA's), (64, 2539), (70, 2557), (74, 2569), (82, 2617), (98, 2731), (101, 2752), (111, 2776), (126, 2884),

Gene: Triste_5 Start: 1931, Stop: 2356, Start Num: 55

Candidate Starts for Triste_5:

(23, 1781), (Start: 55 @1931 has 37 MA's), (Start: 68 @2021 has 2 MA's), (83, 2090), (102, 2201),

Gene: Triumph_6 Start: 1726, Stop: 2160, Start Num: 47

Candidate Starts for Triumph_6:

(Start: 47 @1726 has 52 MA's), (Start: 68 @1822 has 2 MA's), (91, 1963), (102, 2002), (116, 2065),

Gene: Trixie_5 Start: 2759, Stop: 3229, Start Num: 54

Candidate Starts for Trixie_5:

(25, 2621), (Start: 54 @2759 has 413 MA's), (65, 2843), (69, 2855), (82, 2918), (87, 2987), (90, 2999), (100, 3044), (101, 3053), (111, 3077), (123, 3176), (126, 3185),

Gene: Trooper_6 Start: 2701, Stop: 3177, Start Num: 51

Candidate Starts for Trooper_6:

(13, 2494), (17, 2521), (Start: 51 @2701 has 74 MA's), (65, 2788), (69, 2800), (76, 2824), (82, 2863), (98, 2977), (101, 2998), (111, 3022), (123, 3121), (126, 3130),

Gene: Trouble_2 Start: 928, Stop: 1362, Start Num: 54

Candidate Starts for Trouble_2:

(Start: 54 @928 has 413 MA's), (69, 1021), (102, 1195), (111, 1216), (118, 1270), (120, 1306), (124, 1315),

Gene: TroyPia_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for TroyPia_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: TrvxScott_4 Start: 1751, Stop: 2182, Start Num: 47

Candidate Starts for TrvxScott_4:

(Start: 47 @1751 has 52 MA's), (Start: 68 @1847 has 2 MA's), (71, 1856), (89, 1979), (102, 2027), (115, 2066), (116, 2090), (130, 2174),

Gene: TuanPN_5 Start: 1934, Stop: 2359, Start Num: 56

Candidate Starts for TuanPN_5:

(Start: 45 @1916 has 1 MA's), (Start: 47 @1925 has 52 MA's), (Start: 56 @1934 has 41 MA's), (Start: 68 @2024 has 2 MA's), (102, 2204),

Gene: Tubs_5 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for Tubs_5:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: Tucker_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Tucker_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Turbido_6 Start: 2887, Stop: 3357, Start Num: 54

Candidate Starts for Turbido_6:

(Start: 54 @2887 has 413 MA's), (65, 2971), (69, 2983), (76, 3007), (82, 3046), (84, 3076), (100, 3172), (101, 3181), (111, 3205), (123, 3304), (126, 3313),

Gene: Turj99_2 Start: 929, Stop: 1369, Start Num: 54

Candidate Starts for Turj99_2:

(Start: 54 @929 has 413 MA's), (69, 1028), (102, 1202), (111, 1223), (118, 1277), (120, 1313), (124, 1322),

Gene: Twigg_2 Start: 840, Stop: 1289, Start Num: 52

Candidate Starts for Twigg_2:

(11, 624), (14, 639), (15, 642), (17, 657), (18, 663), (21, 687), (44, 810), (Start: 52 @840 has 39 MA's), (69, 933), (71, 939), (76, 957), (83, 1008), (101, 1131), (111, 1155), (114, 1170),

Gene: Twister_2 Start: 796, Stop: 1227, Start Num: 50

Candidate Starts for Twister_2:

(Start: 48 @793 has 2 MA's), (Start: 50 @796 has 285 MA's), (64, 877), (74, 907), (80, 934), (102, 1066), (108, 1078), (111, 1087), (123, 1177), (126, 1186),

Gene: TwoPeat_3 Start: 1165, Stop: 1599, Start Num: 54

Candidate Starts for TwoPeat_3:

(Start: 54 @1165 has 413 MA's), (69, 1258), (102, 1432), (111, 1453), (118, 1507), (120, 1543), (124, 1552),

Gene: TygerBlood_2 Start: 805, Stop: 1236, Start Num: 50

Candidate Starts for TygerBlood_2:

(Start: 50 @805 has 285 MA's), (69, 901), (82, 952), (87, 1021), (111, 1096), (112, 1099), (115, 1114), (116, 1138), (119, 1177), (126, 1195), (129, 1210),

Gene: U2_3 Start: 1080, Stop: 1514, Start Num: 54

Candidate Starts for U2_3:

(Start: 54 @1080 has 413 MA's), (69, 1173), (102, 1347), (111, 1368), (118, 1422), (120, 1458), (124, 1467),

Gene: Ugenie5_3 Start: 2669, Stop: 3142, Start Num: 51

Candidate Starts for Ugenie5_3:

(17, 2483), (30, 2561), (Start: 51 @2669 has 74 MA's), (60, 2726), (74, 2783), (82, 2831), (84, 2861), (101, 2966), (111, 2990), (123, 3089), (126, 3098),

Gene: UhSalsa_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for UhSalsa_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Ulysses_2 Start: 804, Stop: 1235, Start Num: 50

Candidate Starts for Ulysses_2:

(Start: 50 @804 has 285 MA's), (69, 900), (82, 951), (87, 1020), (111, 1095), (112, 1098), (115, 1113), (116, 1137), (119, 1176), (126, 1194), (129, 1209),

Gene: UnionJack_2 Start: 837, Stop: 1286, Start Num: 52

Candidate Starts for UnionJack_2:

(3, 576), (11, 621), (14, 636), (15, 639), (17, 654), (18, 660), (21, 684), (30, 732), (44, 807), (Start: 52 @837 has 39 MA's), (71, 936), (83, 1005), (101, 1128), (111, 1152), (114, 1167),

Gene: Unstoppable_5 Start: 1956, Stop: 2381, Start Num: 56

Candidate Starts for Unstoppable_5:

(Start: 47 @1947 has 52 MA's), (Start: 56 @1956 has 41 MA's), (67, 2043), (Start: 68 @2046 has 2 MA's), (89, 2178), (102, 2226),

Gene: Updawg_6 Start: 2959, Stop: 3429, Start Num: 54

Candidate Starts for Updawg_6:

(Start: 54 @2959 has 413 MA's), (65, 3043), (69, 3055), (76, 3079), (82, 3118), (84, 3148), (100, 3244), (101, 3253), (111, 3277), (123, 3376), (126, 3385),

Gene: Urza_5 Start: 2126, Stop: 2560, Start Num: 51

Candidate Starts for Urza_5:

(Start: 51 @2126 has 74 MA's), (64, 2207), (73, 2237), (96, 2387), (102, 2402), (121, 2513), (122, 2516),

Gene: VA6_5 Start: 2800, Stop: 3270, Start Num: 54

Candidate Starts for VA6_5:

(Start: 54 @2800 has 413 MA's), (65, 2884), (76, 2920), (82, 2959), (84, 2989), (100, 3085), (101, 3094), (111, 3118), (123, 3217), (126, 3226),

Gene: VC3_5 Start: 2676, Stop: 3143, Start Num: 54

Candidate Starts for VC3_5:

(Start: 47 @2670 has 52 MA's), (Start: 54 @2676 has 413 MA's), (65, 2760), (69, 2772), (80, 2826), (82, 2835), (101, 2970), (111, 2994), (116, 3036), (119, 3084), (126, 3102),

Gene: Vanisoa_5 Start: 2435, Stop: 2908, Start Num: 51

Candidate Starts for Vanisoa_5:

(Start: 51 @2435 has 74 MA's), (69, 2534), (82, 2597), (100, 2723), (101, 2732), (111, 2756), (123, 2855),

Gene: Vanseggelen_8 Start: 1678, Stop: 2106, Start Num: 56

Candidate Starts for Vanseggelen_8:

(Start: 47 @1669 has 52 MA's), (Start: 56 @1678 has 41 MA's), (64, 1753), (67, 1765), (Start: 68 @1768 has 2 MA's), (102, 1948), (113, 1981), (115, 1987), (121, 2059), (122, 2062), (129, 2089),

Gene: Verabelle_6 Start: 2045, Stop: 2473, Start Num: 55

Candidate Starts for Verabelle_6:

(Start: 55 @2045 has 37 MA's), (64, 2120), (Start: 68 @2135 has 2 MA's), (91, 2276), (102, 2315),

Gene: Veracruz_1 Start: 784, Stop: 1212, Start Num: 50

Candidate Starts for Veracruz_1:

(Start: 50 @784 has 285 MA's), (Start: 63 @862 has 3 MA's), (87, 1000), (111, 1075), (116, 1117), (119, 1156), (126, 1174),

Gene: Verse_5 Start: 2125, Stop: 2553, Start Num: 55

Candidate Starts for Verse_5:

(Start: 55 @2125 has 37 MA's), (64, 2200), (Start: 68 @2215 has 2 MA's), (102, 2395), (121, 2506), (122, 2509),

Gene: VieEnRose_5 Start: 2200, Stop: 2634, Start Num: 51

Candidate Starts for VieEnRose_5:

(Start: 51 @2200 has 74 MA's), (64, 2281), (73, 2311), (96, 2461), (102, 2476), (118, 2551), (121, 2587), (122, 2590),

Gene: Violet_3 Start: 1079, Stop: 1519, Start Num: 54

Candidate Starts for Violet_3:

(Start: 54 @1079 has 413 MA's), (69, 1178), (102, 1352), (111, 1373), (118, 1427), (120, 1463), (124, 1472),

Gene: Vix_2 Start: 874, Stop: 1275, Start Num: 57

Candidate Starts for Vix_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: VohminGhazi_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for VohminGhazi_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Waits_5 Start: 2610, Stop: 3068, Start Num: 54

Candidate Starts for Waits_5:

(5, 2364), (6, 2370), (Start: 47 @2604 has 52 MA's), (Start: 54 @2610 has 413 MA's), (82, 2769), (101, 2904), (111, 2928), (112, 2931), (123, 3027),

Gene: WalterMcMickey_2 Start: 796, Stop: 1227, Start Num: 50

Candidate Starts for WalterMcMickey_2:

(Start: 48 @793 has 2 MA's), (Start: 50 @796 has 285 MA's), (64, 877), (74, 907), (80, 934), (102, 1066), (108, 1078), (111, 1087), (123, 1177), (126, 1186),

Gene: Wander_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Wander_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Warrior24_5 Start: 2614, Stop: 3072, Start Num: 54

Candidate Starts for Warrior24_5:

(Start: 47 @2608 has 52 MA's), (Start: 54 @2614 has 413 MA's), (82, 2773), (101, 2908), (111, 2932), (112, 2935), (123, 3031),

Gene: Watermelon_4 Start: 1201, Stop: 1641, Start Num: 54

Candidate Starts for Watermelon_4:

(Start: 54 @1201 has 413 MA's), (69, 1300), (102, 1474), (111, 1495), (118, 1549), (120, 1585), (124, 1594),

Gene: Watson_2 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for Watson_2:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: WeiHuaDA_6 Start: 2892, Stop: 3362, Start Num: 54

Candidate Starts for WeiHuaDA_6:

(4, 2637), (11, 2676), (17, 2709), (Start: 54 @2892 has 413 MA's), (65, 2976), (69, 2988), (82, 3051), (84, 3081), (100, 3177), (101, 3186), (111, 3210), (123, 3309), (126, 3318),

Gene: Werner_5 Start: 1931, Stop: 2356, Start Num: 55

Candidate Starts for Werner_5:

(23, 1781), (Start: 55 @1931 has 37 MA's), (Start: 68 @2021 has 2 MA's), (83, 2090), (102, 2201),

Gene: Whabigail7_6 Start: 2884, Stop: 3354, Start Num: 54

Candidate Starts for Whabigail7_6:

(Start: 54 @2884 has 413 MA's), (65, 2968), (69, 2980), (76, 3004), (82, 3043), (84, 3073), (100, 3169), (101, 3178), (111, 3202), (123, 3301), (126, 3310),

Gene: Whatever_5 Start: 1931, Stop: 2356, Start Num: 55

Candidate Starts for Whatever_5:

(23, 1781), (Start: 55 @1931 has 37 MA's), (Start: 68 @2021 has 2 MA's), (83, 2090), (102, 2201),

Gene: Wheeler_3 Start: 1164, Stop: 1598, Start Num: 54

Candidate Starts for Wheeler_3:

(Start: 54 @1164 has 413 MA's), (69, 1257), (101, 1428), (102, 1431), (108, 1443), (111, 1452), (118, 1506), (120, 1542), (124, 1551),

Gene: Whitspit_4 Start: 1587, Stop: 2027, Start Num: 54

Candidate Starts for Whitspit_4:

(16, 1398), (29, 1476), (35, 1533), (36, 1536), (Start: 54 @1587 has 413 MA's), (69, 1686), (102, 1860), (111, 1881), (118, 1935), (120, 1971), (124, 1980),

Gene: WideWale_6 Start: 2959, Stop: 3429, Start Num: 54

Candidate Starts for WideWale_6:

(Start: 54 @2959 has 413 MA's), (65, 3043), (69, 3055), (76, 3079), (82, 3118), (84, 3148), (100, 3244), (101, 3253), (111, 3277), (123, 3376), (126, 3385),

Gene: Wiks_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Wiks_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Wilbur_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for Wilbur_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Wile_2 Start: 808, Stop: 1236, Start Num: 50

Candidate Starts for Wile_2:

(Start: 50 @808 has 285 MA's), (65, 892), (69, 904), (82, 955), (87, 1024), (111, 1099), (112, 1102), (115, 1117), (116, 1141), (123, 1189), (126, 1198), (129, 1213),

Gene: Wilkins_3 Start: 1130, Stop: 1564, Start Num: 54

Candidate Starts for Wilkins_3:

(Start: 54 @1130 has 413 MA's), (69, 1223), (102, 1397), (111, 1418), (118, 1472), (120, 1508), (124, 1517),

Gene: Wizard007_2 Start: 805, Stop: 1236, Start Num: 50

Candidate Starts for Wizard007_2:

(Start: 50 @805 has 285 MA's), (69, 901), (82, 952), (87, 1021), (111, 1096), (112, 1099), (115, 1114), (116, 1138), (119, 1177), (126, 1195), (129, 1210),

Gene: Wolpertinger_4 Start: 2692, Stop: 3156, Start Num: 54

Candidate Starts for Wolpertinger_4:

(Start: 54 @2692 has 413 MA's), (65, 2776), (101, 2986), (111, 3010), (123, 3109), (126, 3118),

Gene: Wooldri_4 Start: 856, Stop: 1275, Start Num: 50

Candidate Starts for Wooldri_4:

(Start: 47 @850 has 52 MA's), (Start: 50 @856 has 285 MA's), (Start: 57 @874 has 6 MA's), (61, 919), (69, 952), (111, 1147), (123, 1237),

Gene: WorldCup_4 Start: 2435, Stop: 2908, Start Num: 51

Candidate Starts for WorldCup_4:

(Start: 51 @2435 has 74 MA's), (69, 2534), (82, 2597), (100, 2723), (101, 2732), (111, 2756), (123, 2855),

Gene: WunderPhul_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for WunderPhul_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Xena_2 Start: 807, Stop: 1235, Start Num: 50

Candidate Starts for Xena_2:

(Start: 50 @807 has 285 MA's), (65, 891), (69, 903), (82, 954), (87, 1023), (111, 1098), (112, 1101), (115, 1116), (116, 1140), (123, 1188), (126, 1197), (129, 1212),

Gene: XianYue_5 Start: 2724, Stop: 3194, Start Num: 54

Candidate Starts for XianYue_5:

(Start: 47 @2718 has 52 MA's), (Start: 54 @2724 has 413 MA's), (65, 2808), (76, 2844), (82, 2883), (101, 3018), (111, 3042), (121, 3135), (123, 3141), (126, 3150),

Gene: Yasdni1_5 Start: 1930, Stop: 2355, Start Num: 56

Candidate Starts for Yasdni1_5:

(Start: 47 @1921 has 52 MA's), (Start: 56 @1930 has 41 MA's), (Start: 68 @2020 has 2 MA's), (102, 2200),

Gene: Yecey3_5 Start: 2433, Stop: 2906, Start Num: 50

Candidate Starts for Yecey3_5:

(44, 2406), (Start: 50 @2433 has 285 MA's), (60, 2490), (74, 2547), (82, 2595), (100, 2721), (101, 2730), (111, 2754), (113, 2766), (126, 2862),

Gene: YoSam321_2 Start: 803, Stop: 1234, Start Num: 50

Candidate Starts for YoSam321_2:

(Start: 50 @803 has 285 MA's), (69, 899), (82, 950), (87, 1019), (111, 1094), (112, 1097), (115, 1112), (116, 1136), (119, 1175), (126, 1193), (129, 1208),

Gene: Yogi_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Yogi_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Yokurt_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Yokurt_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: Yoncess_3 Start: 1017, Stop: 1439, Start Num: 50

Candidate Starts for Yoncess_3:

(Start: 50 @1017 has 285 MA's), (Start: 57 @1035 has 6 MA's), (74, 1128), (79, 1152), (82, 1164), (108, 1299), (119, 1389), (126, 1407), (129, 1422),

Gene: Yosif_6 Start: 2393, Stop: 2821, Start Num: 55

Candidate Starts for Yosif_6:

(Start: 55 @2393 has 37 MA's), (64, 2468), (67, 2480), (Start: 68 @2483 has 2 MA's), (73, 2498), (102, 2663), (116, 2726), (121, 2774), (122, 2777),

Gene: Zainub_7 Start: 2296, Stop: 2727, Start Num: 47

Candidate Starts for Zainub_7:

(Start: 47 @2296 has 52 MA's), (Start: 68 @2392 has 2 MA's), (71, 2401), (89, 2524), (102, 2572), (115, 2611), (116, 2635), (130, 2719),

Gene: Zaka_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Zaka_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: ZamZam_5 Start: 2057, Stop: 2485, Start Num: 55

Candidate Starts for ZamZam_5:

(Start: 55 @2057 has 37 MA's), (64, 2132), (Start: 68 @2147 has 2 MA's), (102, 2327), (115, 2366), (121, 2438),

Gene: Zarafa_2 Start: 754, Stop: 1182, Start Num: 50

Candidate Starts for Zarafa_2:

(Start: 37 @709 has 2 MA's), (Start: 50 @754 has 285 MA's), (Start: 63 @832 has 3 MA's), (99, 1012), (102, 1024), (111, 1045), (116, 1087), (126, 1144),

Gene: Zeeculate_2 Start: 927, Stop: 1361, Start Num: 54

Candidate Starts for Zeeculate_2:

(Start: 54 @927 has 413 MA's), (69, 1020), (102, 1194), (111, 1215), (118, 1269), (120, 1305), (124, 1314),

Gene: Zemlya_6 Start: 1930, Stop: 2355, Start Num: 56

Candidate Starts for Zemlya_6:

(Start: 47 @1921 has 52 MA's), (Start: 56 @1930 has 41 MA's), (Start: 68 @2020 has 2 MA's), (83, 2089), (102, 2200),

Gene: Zephyr_2 Start: 929, Stop: 1369, Start Num: 54

Candidate Starts for Zephyr_2:

(Start: 54 @929 has 413 MA's), (69, 1028), (102, 1202), (111, 1223), (118, 1277), (120, 1313), (124, 1322),

Gene: Zetzy_2 Start: 857, Stop: 1276, Start Num: 50

Candidate Starts for Zetzy_2:

(Start: 47 @851 has 52 MA's), (Start: 50 @857 has 285 MA's), (Start: 57 @875 has 6 MA's), (61, 920), (69, 953), (111, 1148), (123, 1238),

Gene: Zeuska_2 Start: 930, Stop: 1370, Start Num: 54

Candidate Starts for Zeuska_2:

(Start: 54 @930 has 413 MA's), (69, 1029), (102, 1203), (111, 1224), (118, 1278), (120, 1314), (124, 1323),

Gene: Zimmer_5 Start: 2592, Stop: 3068, Start Num: 51

Candidate Starts for Zimmer_5:

(44, 2565), (Start: 51 @2592 has 74 MA's), (Start: 63 @2673 has 3 MA's), (69, 2691), (70, 2694), (82, 2754), (83, 2766), (84, 2784), (100, 2880), (101, 2889), (111, 2913), (119, 3003), (126, 3021),

Gene: Zolita_1 Start: 840, Stop: 1289, Start Num: 52

Candidate Starts for Zolita_1:

(11, 624), (14, 639), (17, 657), (44, 810), (Start: 52 @840 has 39 MA's), (69, 933), (71, 939), (76, 957), (83, 1008), (101, 1131), (111, 1155), (114, 1170),

Gene: Zulu_5 Start: 2482, Stop: 2952, Start Num: 54

Candidate Starts for Zulu_5:

(Start: 54 @2482 has 413 MA's), (65, 2569), (69, 2581), (82, 2644), (84, 2674), (87, 2713), (90, 2725), (101, 2779), (111, 2803), (126, 2914),

Gene: phiCAM_05 Start: 2073, Stop: 2501, Start Num: 56

Candidate Starts for phiCAM_05:

(Start: 47 @2064 has 52 MA's), (Start: 56 @2073 has 41 MA's), (64, 2148), (102, 2343),

Gene: phiHau3_5 Start: 1867, Stop: 2301, Start Num: 47

Candidate Starts for phiHau3_5:

(Start: 47 @1867 has 52 MA's), (64, 1948), (Start: 68 @1963 has 2 MA's), (91, 2104), (102, 2143), (116, 2206), (118, 2218),