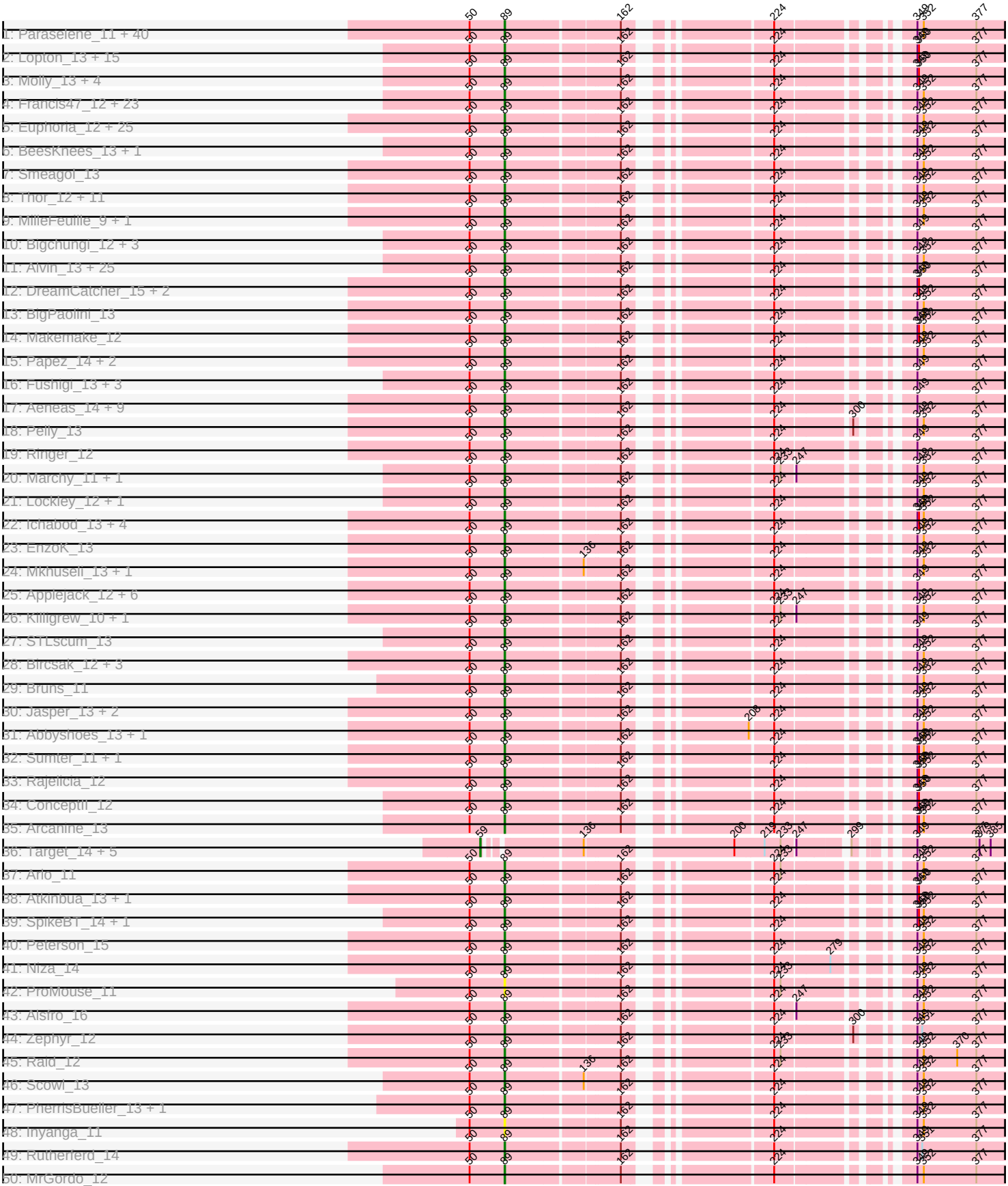
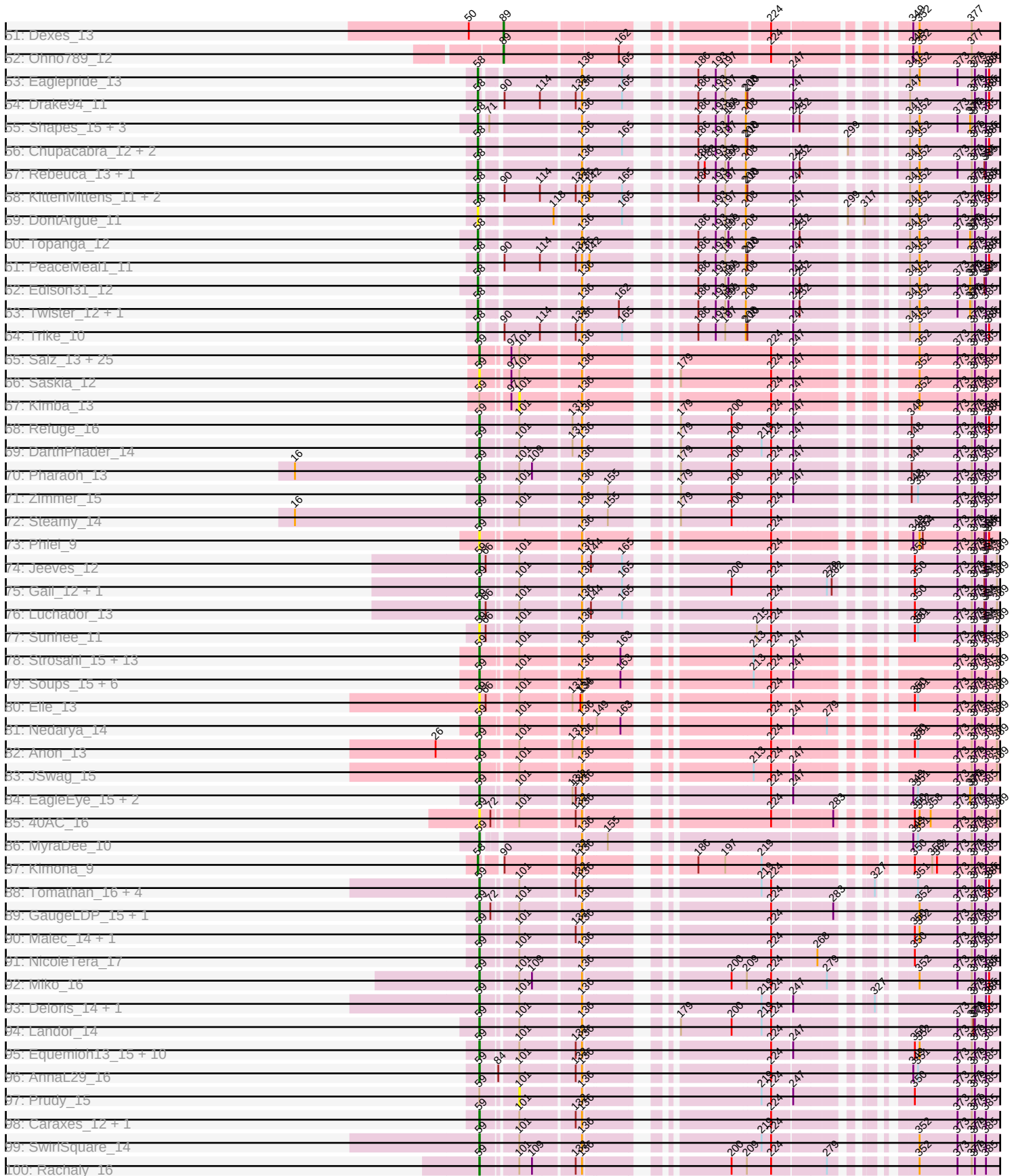


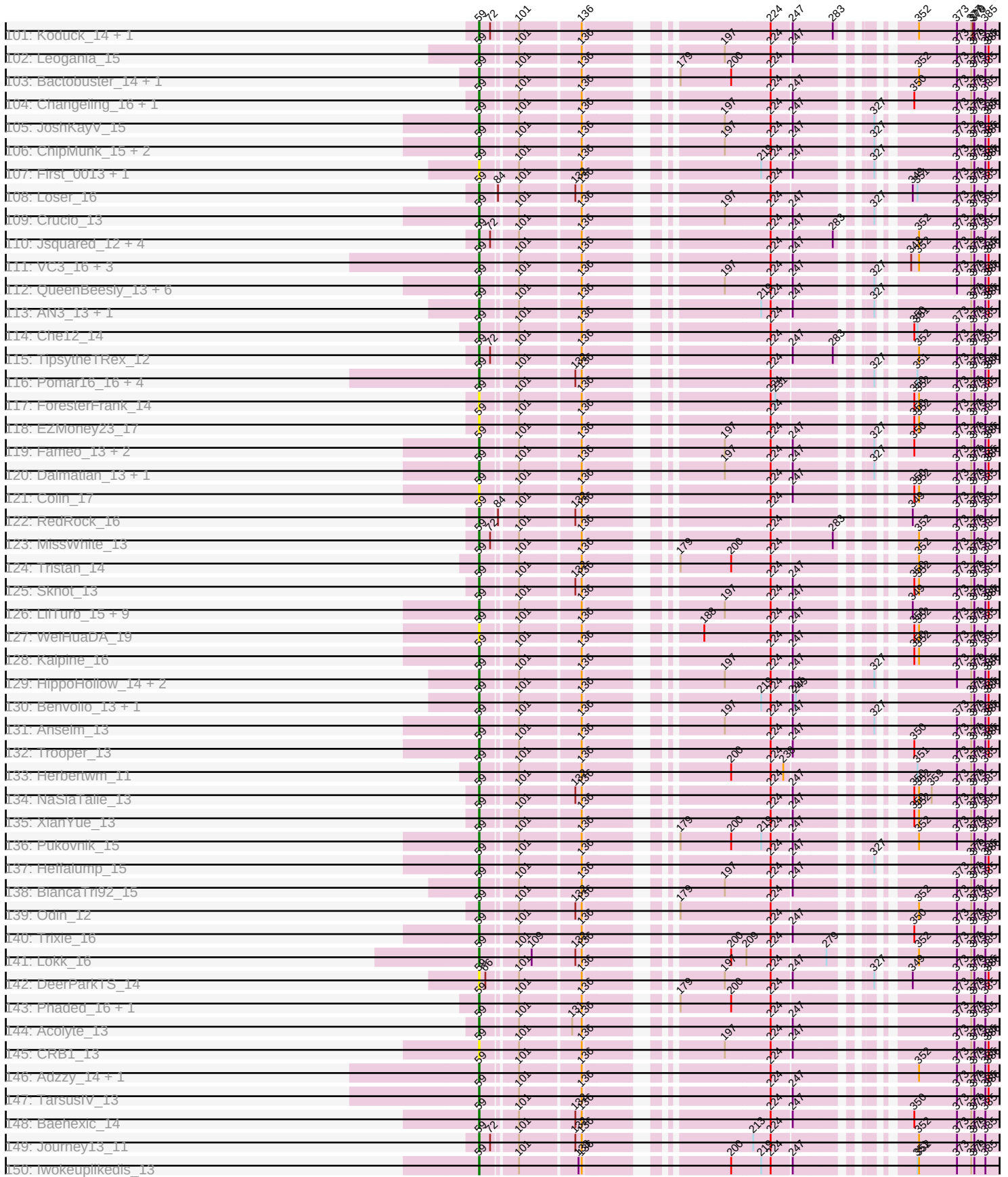
Zoomed Pham 296061



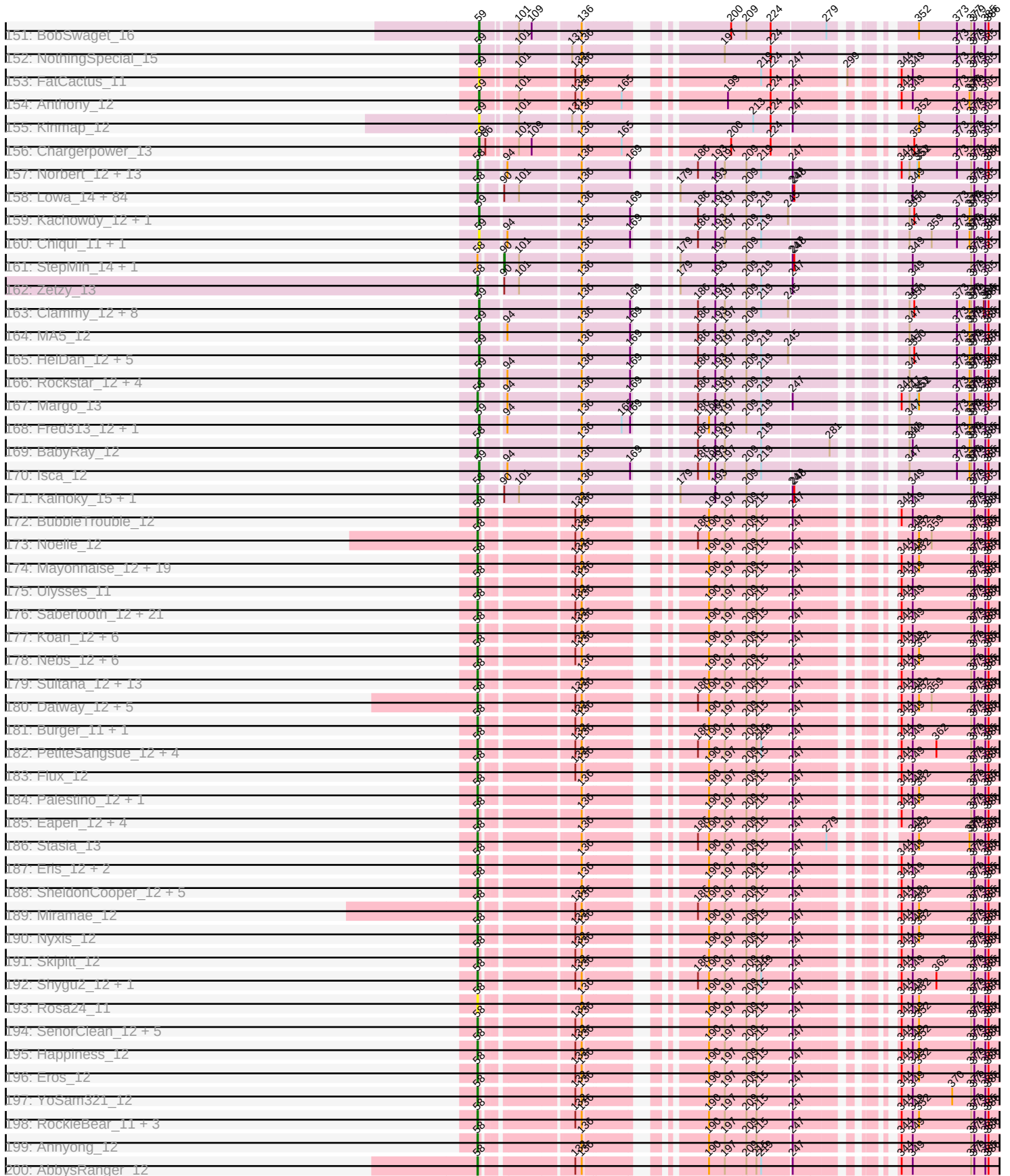
Zoomed Pham 296061



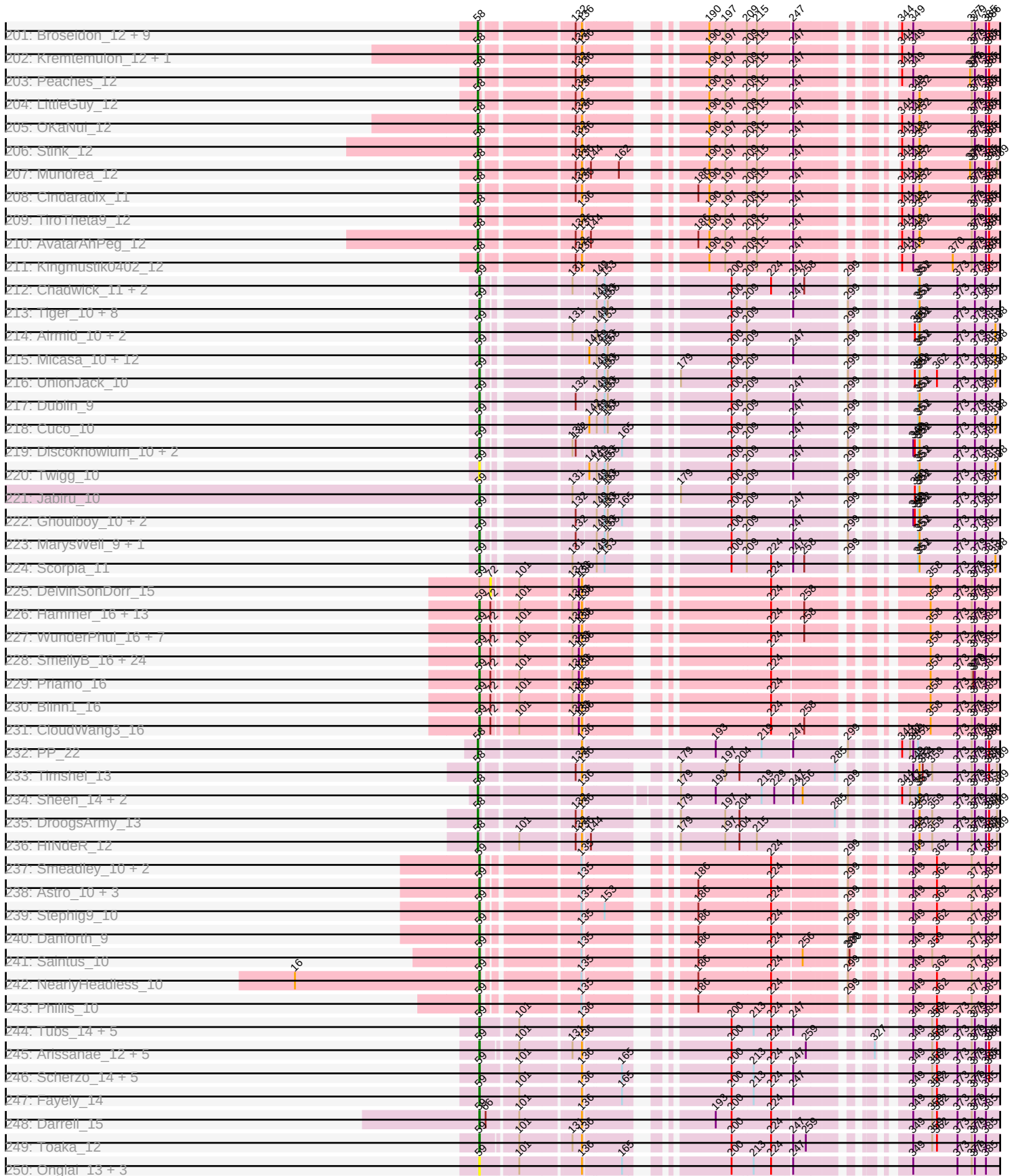
Zoomed Pham 296061



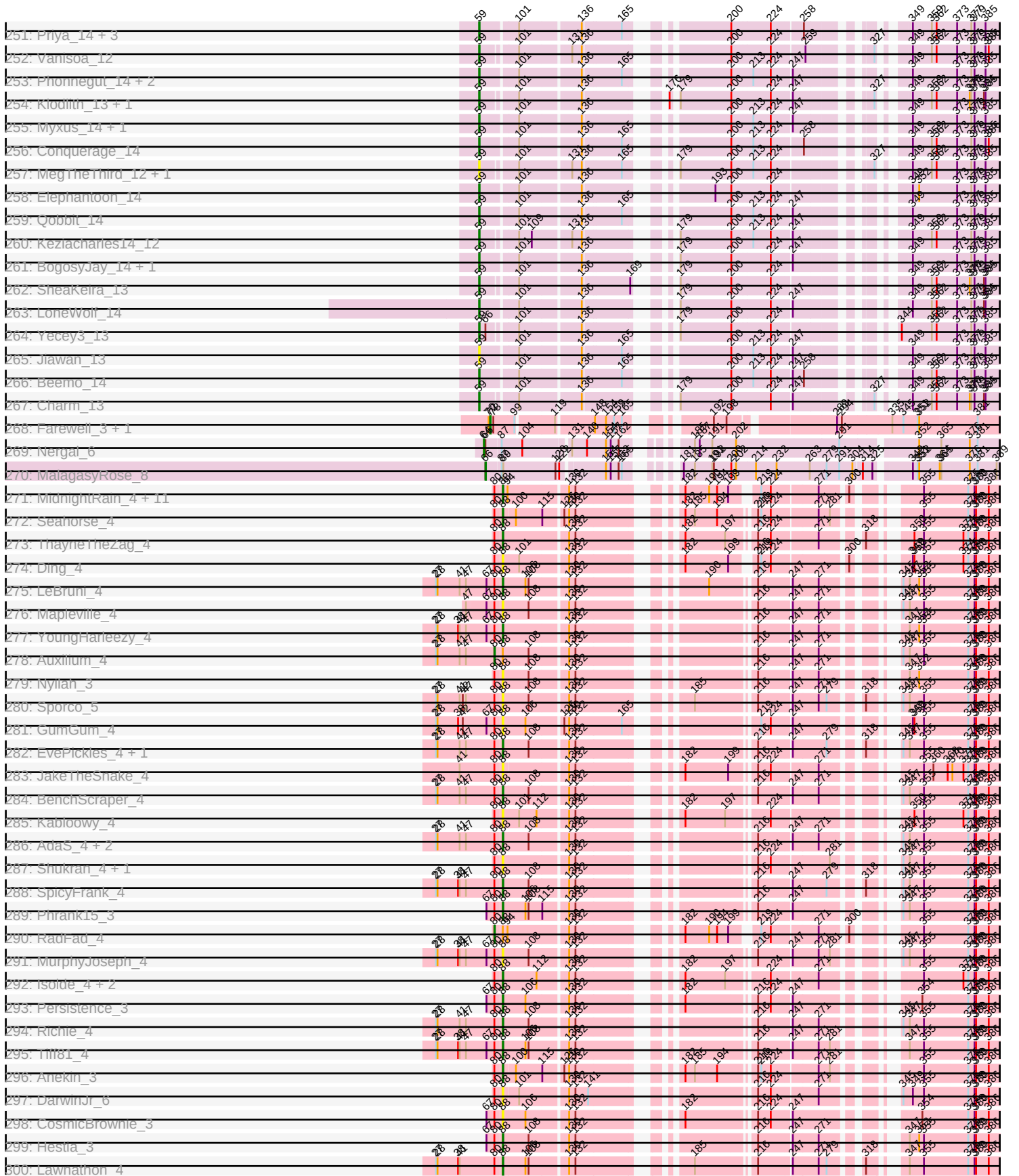
Zoomed Pham 296061



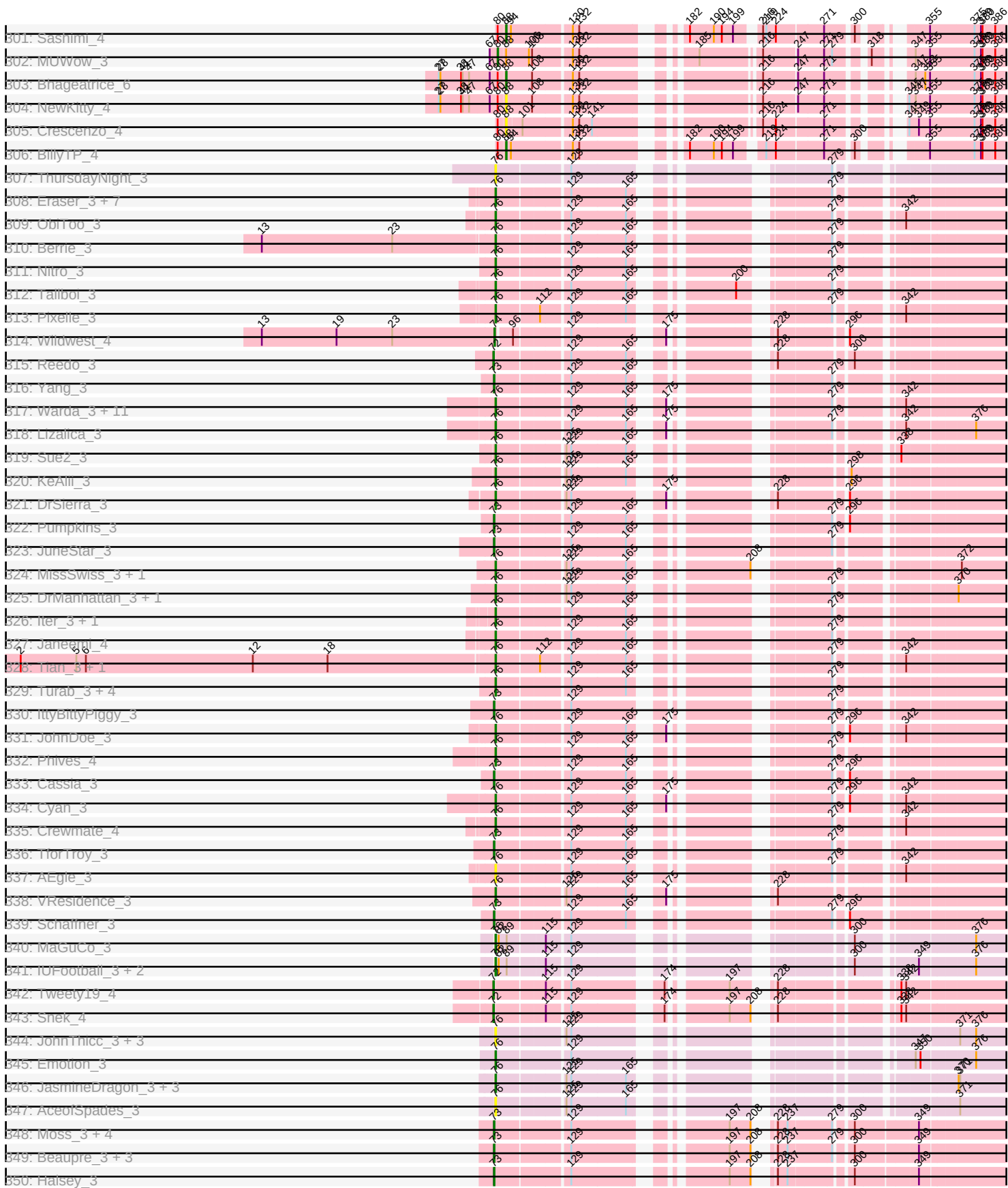
Zoomed Pham 296061



Zoomed Pham 296061



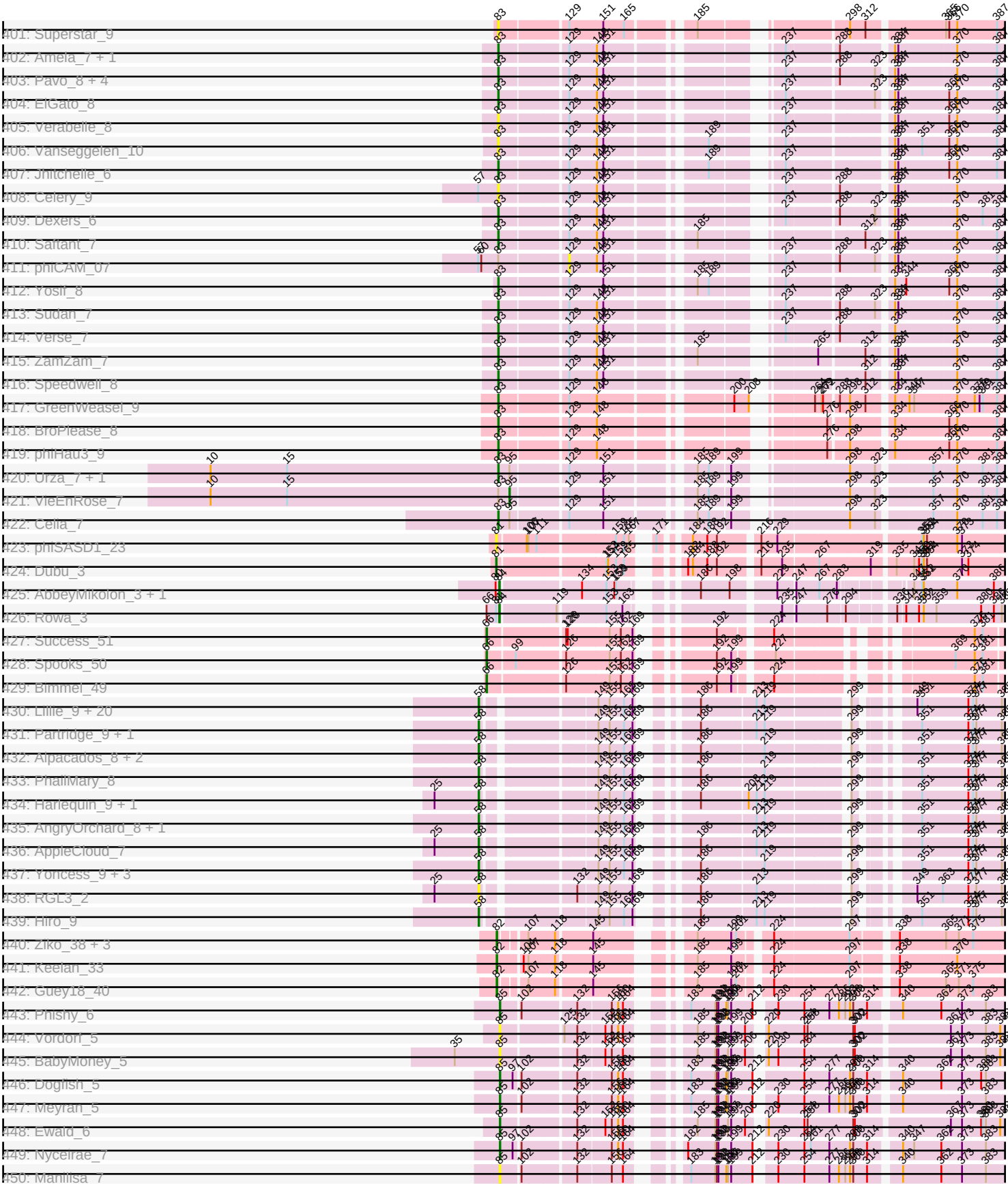
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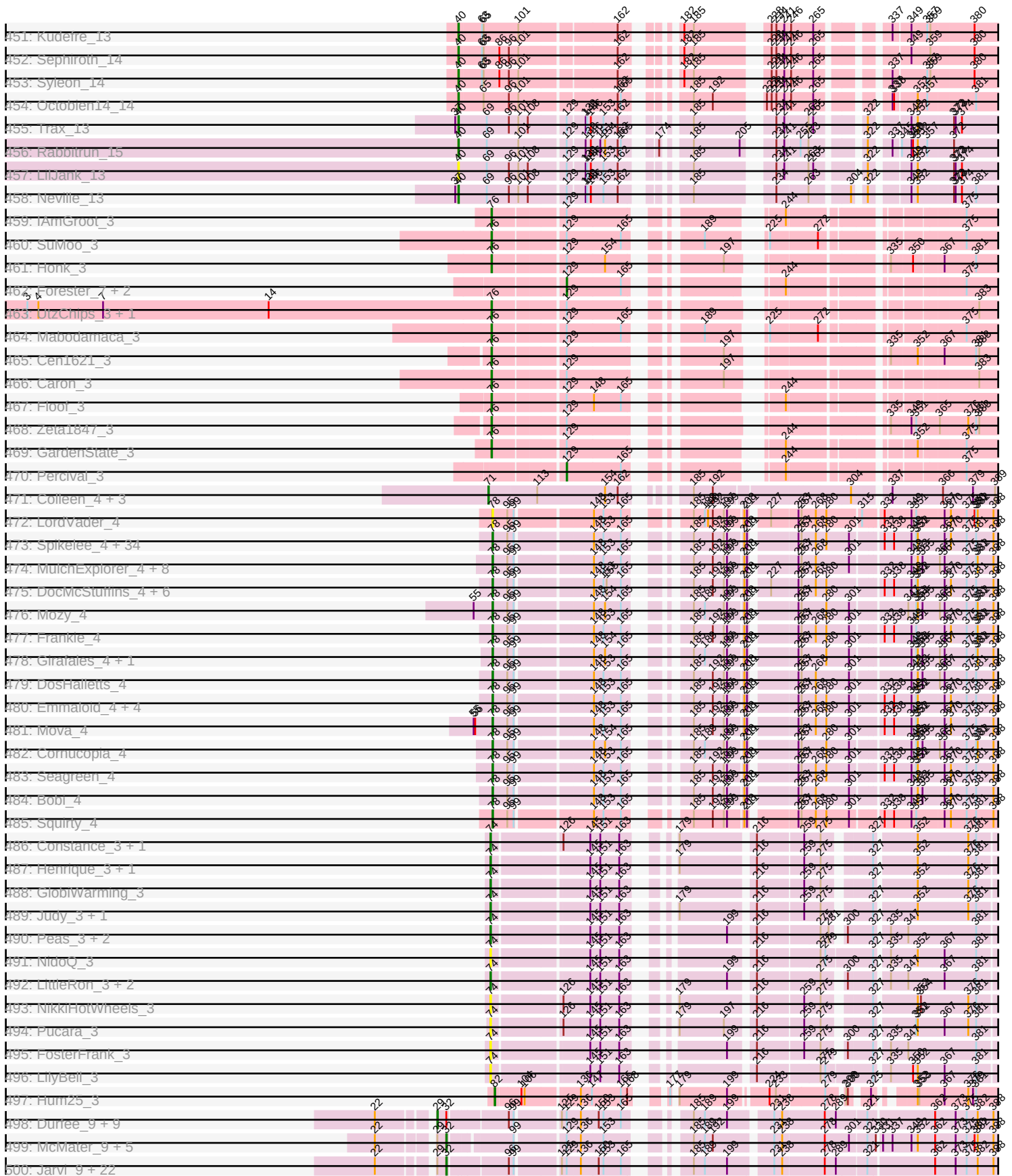
Zoomed Pham 296061

	72	129	197	208	228	279	300	349
651: Sabourin_3 + 5	76	129	198	208	228	279	300	349
652: Soondubu_3	76	129						
653: Exile_3	76	129						
654: AlmVach_3	76	129						
655: PneuUccine_7 + 12	76	129						
656: Nabl_7 + 1	76	129						
657: Eddasa_8 + 4	76	129						
658: Lorelei_7	76	129						
659: Asten_7 + 2	76	129						
660: Ejemplo_7 + 2	76	129						
661: Katale_8 + 2	76	129						
662: Emaahora_9 + 7	76	129						
663: RagePnigher_8 + 1	76	129						
664: Lika_7 + 1	76	129						
665: Dattran_8 + 3	76	129						
666: Lannister_8	76	129						
667: Zemiya_8 + 2	76	129						
668: EnochSoames_8	76	129						
669: Oitynyk_8	76	129						
670: Maheekul_7	76	129						
671: Nanodon_9	76	129						
672: Brataylor_8	76	129						
673: Camburn_7	76	129						
674: Axiom_8	76	129						
675: ELB20_06 + 1	76	129						
676: TinaBeicher_7 + 1	76	129						
677: Caelum_8	76	129						
678: Amethyst_7	76	129						
679: Halzum_7	76	129						
680: Andris_7	76	129						
681: Puginator_9	76	129						
682: Janus_8	76	129						
683: Pabito_7	76	129						
684: Jevington_9 + 1	76	129						
685: Animus_8 + 1	76	129						
686: Mumph_9	76	129						
687: Daudau_7	76	129						
688: TrvxScott_6	76	129						
689: Nishikigoi_7 + 1	76	129						
690: Loolan_8 + 1	76	129						
691: BartholomewSD_9	76	129						
692: Hank144_8	76	129						
693: Issmi_8	76	129						
694: Paolo_9	76	129						
695: Thestral_8	76	129						
696: Zainub_9	76	129						
697: Diane_7	76	129						
698: GmDinner_7	76	129						
699: Alvy_9	76	129						
700: Omar_8	76	129						

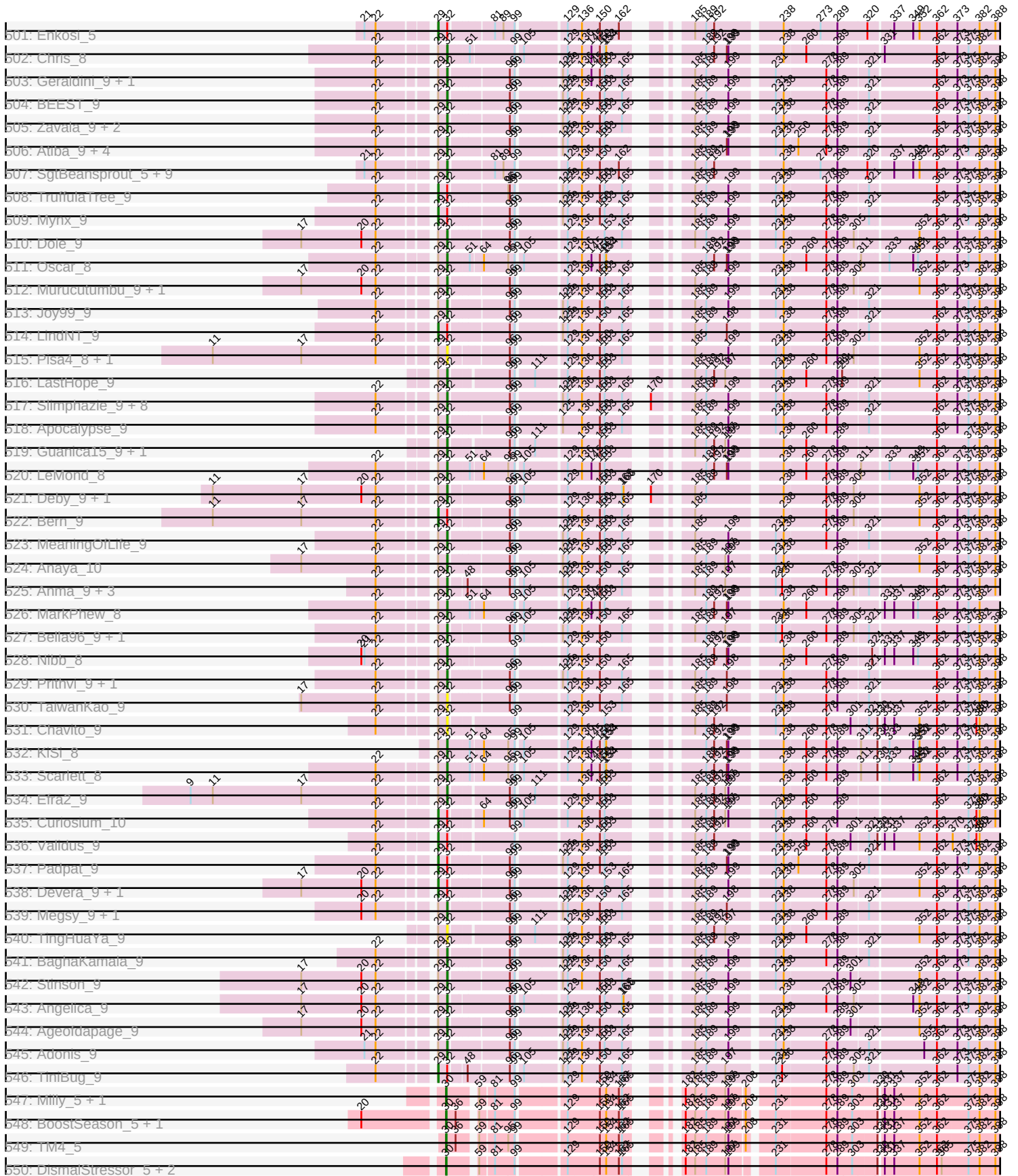
Zoomed Pham 296061



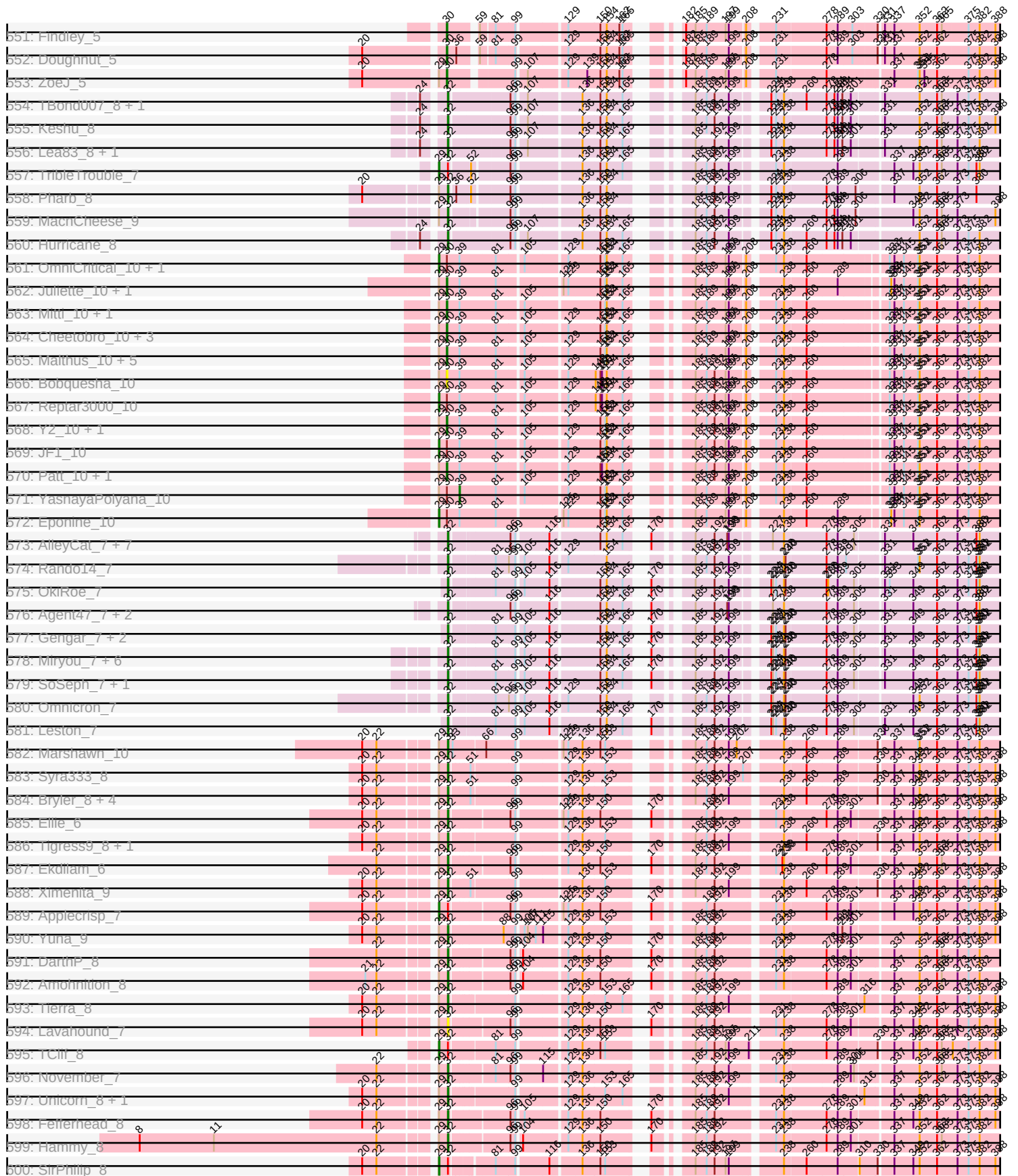
Zoomed Pham 296061



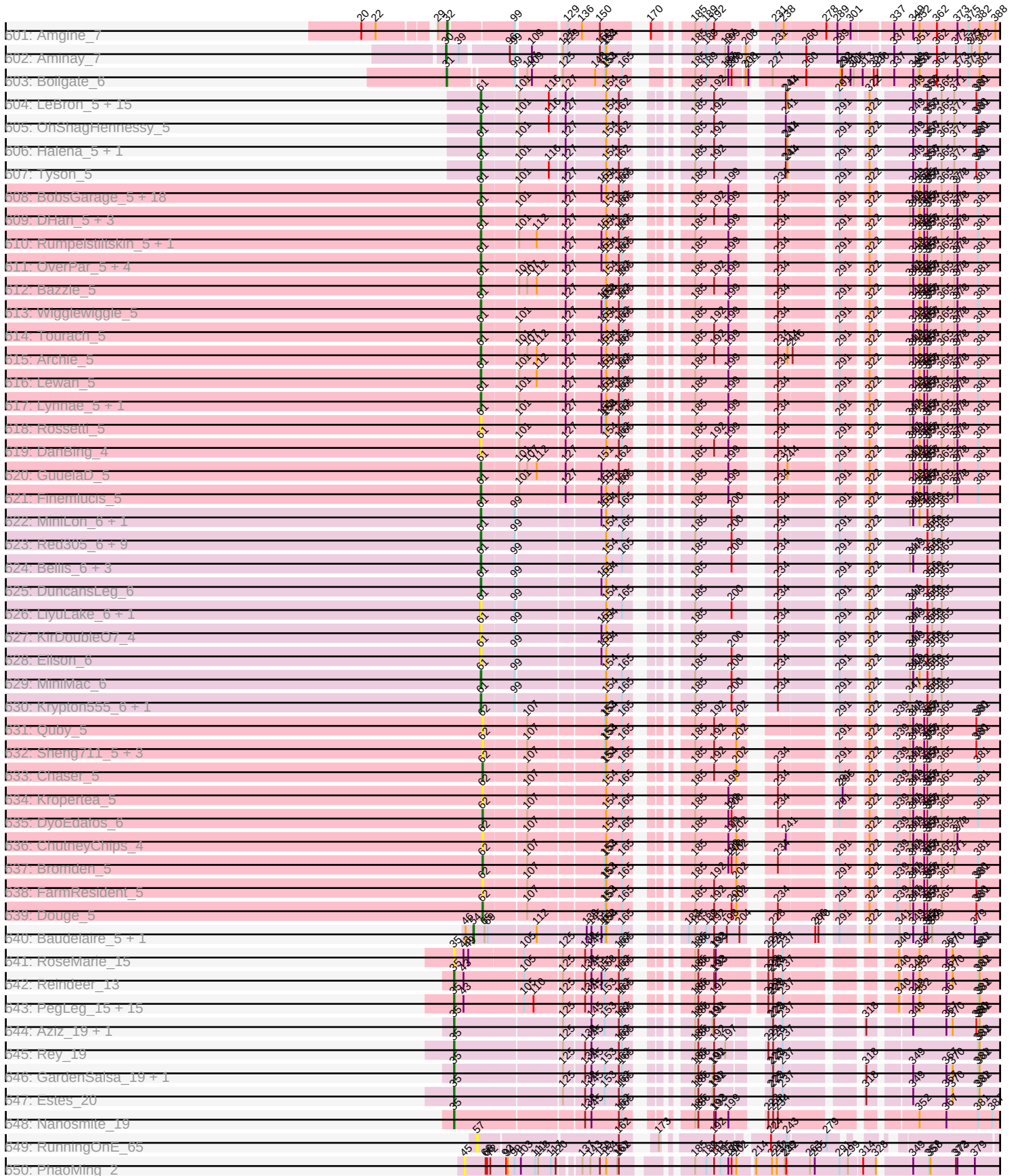
Zoomed Pham 296061



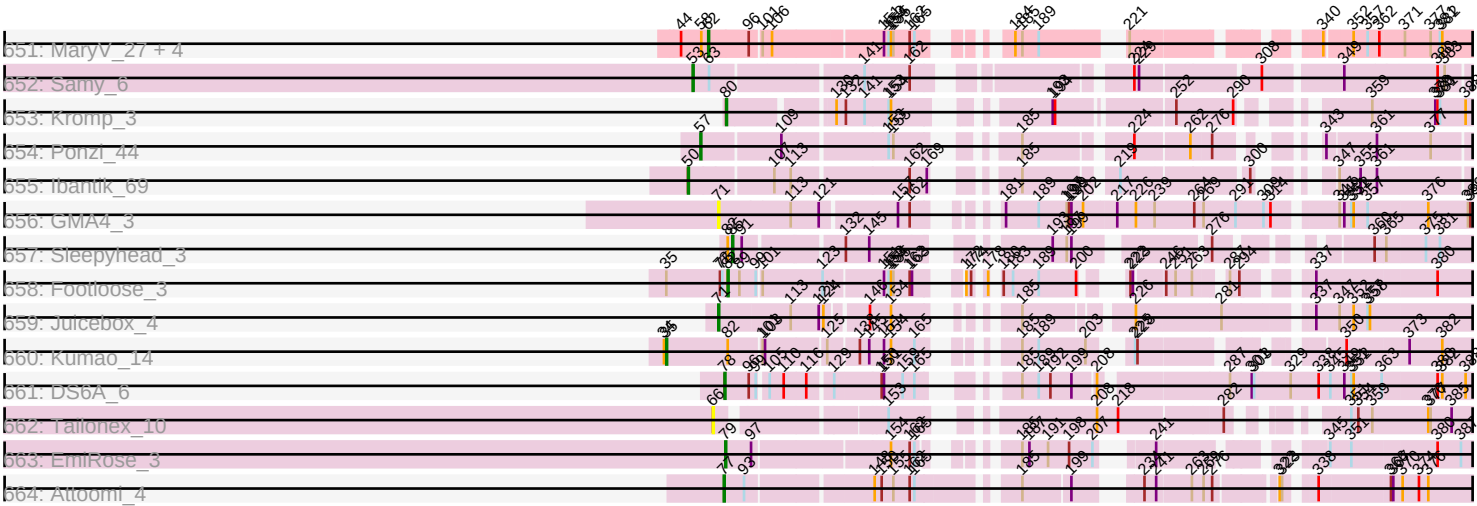
Zoomed Pham 296061



Zoomed Pham 296061



Zoomed Pham 296061



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 296061 Report

This analysis was run 04/25/26 on database version 644.

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 296061 has 1712 members, 232 are drafts.

Phages represented in each track:

- Track 1 : Paraselene_11, Puppet_12, Petruchio_12, Eyeball_12, McGuire_13, QTRLifeCrisis_12, Fenn_13, Marco3_12, Topgun_12, StrongArm_11, Naira_13, Dynamix_13, Maroc7_11, BK1_10, Rubeus_13, A6_10, JackSparrow_13, MaryBeth_12, Beatrix_11, Froghopper_13, Edtherson_13, Chanagan_11, Treddle_14, Sanya_11, Traft412_14, Bexan_11, Lamina13_12, Wheeler_12, Parliament_11, MetalQZJ_12, Corvo_12, Zeuska_13, Adahisdi_13, Tasp14_13, Paphu_11, Espresso_12, Licorice_14, Homines_12, Trouble_12, Oogway_11, Marcell_12
- Track 2 : Lopton_13, Acme_14, BigMau_14, Jerm2_13, Rohr_13, BaconJack_14, Museum_14, Sibs6_14, PattyP_14, MPlant7149_11, PascalRango_11, Petp2012_14, Burton_13, BPBiebs31_13, Pinto_14, Bob3_11
- Track 3 : Molly_13, Switzer_13, Gandalf20_13, Pippin_14, U2_12
- Track 4 : Francis47_12, Agaliana_12, Tote_14, TheloniousMonk_14, ChristmasHams_12, Perseus_13, Ajay_12, JuliaChild_14, PacerPaul_12, Buttons_13, Abrogate_130, Anglerfish_13, PowerRanger_12, Moose_11, Turj99_11, Forsytheast_11, Hami1_14, Snazzy_10, Bones_12, Swole_14, SwissCheese_12, Sagefire_13, BarrowTuph_11, LunarLander_12
- Track 5 : Euphoria_12, RidgeCB_12, Pita2_14, Dulcie_11, Slagathor_13, StewieG_11, Magnito_11, Crispicous1_11, Ashballer_11, Wilkins_12, Graduation_14, Monet_14, Hope4ever_12, Rhynn_12, Iqorha_11, Mryolo_11, Manatee_13, Cueylyss_12, PSullivan_14, Solon_12, Blue_12, Gachnar_12, Lesedi_11, Teodoridan_10, Zeeculate_11, Nhonho_12
- Track 6 : BeesKnees_13, Bethlehem_12
- Track 7 : Smeagol_13
- Track 8 : Thor_12, Pepe_13, Levia_12, TwoPeat_13, SarFire_12, Kenmech_15, NEHalo_12, Violet_11, Pari_13, SkiPole_14, GMonster_11, PhineBark_11
- Track 9 : MilleFeuille_9, Rufus_13
- Track 10 : Bigchung_12, IgnatiusPatJac_11, Barriga_12, BluSpix_12
- Track 11 : Alvin_13, Aldrich_13, Doom_12, Noxious_13, Blackflame_12, CactusRose_11, Gwendoluna_14, CartmannCramer_12, Hermia_14, Watermelon_14, AFIS_12, HarryOW_13, GrecoEtereo_13, Fascinus_11, Philippers_11, Bigfoot_11, Sorpresa_12, Sandaddy_11, CatBus_13, ShortQueendom_11, KikiBouba_13, Michley_12, Ruotula_11, DirtDevil_13, Norz_14,

GroundGoblin_13

- Track 12 : DreamCatcher_15, HermioneGrange_13, Kanely_13
- Track 13 : BigPaolini_13
- Track 14 : Makemake_12
- Track 15 : Papez_14, HanShotFirst_12, Seabiscuit_14
- Track 16 : Fushigi_13, Smairt_13, KBG_13, KyMonks1A_14
- Track 17 : Aeneas_14, Mule_12, Fajezeel_14, Marge_13, Magnar_12, PhrostyMug_12, Gyzlar_14, PinkPlastic_11, Seanderson_13, Greg_14
- Track 18 : Pelly_13
- Track 19 : Ringer_12
- Track 20 : Marchy_11, Payneeful_12
- Track 21 : Lockley_12, DD5_13
- Track 22 : Ichabod_13, Squee_13, Altman_13, Ciao_12, KSSJEB_12
- Track 23 : EnzoK_13
- Track 24 : Mkhuseleli_13, Marsha_12
- Track 25 : Applejack_12, Nerujay_13, DrFeelGood_11, Sunshine924_11, McSinger_13, JC27_14, ILeeKay_14
- Track 26 : Killigrew_10, Blesser_12
- Track 27 : STLscum_13
- Track 28 : Bircsak_12, Briton15_14, Gompeii16_12, LilBib_13
- Track 29 : Bruns_11
- Track 30 : Jasper_13, Carlyle_14, Dreamboat_13
- Track 31 : Abbyshoes_13, Dussy_13
- Track 32 : Sumter_11, Tripl3t_13
- Track 33 : Rajelicia_12
- Track 34 : Conceptil_12
- Track 35 : Arcanine_13
- Track 36 : Target_14, Whitspit_13, BillKnuckles_13, Bxb1_11, Kugel_13, Kykar_10
- Track 37 : Arlo_11
- Track 38 : Atkinbua_13, Big3_12
- Track 39 : SpikeBT_14, GageAP_14
- Track 40 : Peterson_15
- Track 41 : Niza_14
- Track 42 : ProMouse_11
- Track 43 : Alsfro_16
- Track 44 : Zephyr_12
- Track 45 : Raid_12
- Track 46 : Scowl_13
- Track 47 : PherrisBueller_13, Jorgensen_12
- Track 48 : Inyanga_11
- Track 49 : Rutherford_14
- Track 50 : MrGordo_12
- Track 51 : Dexes_13
- Track 52 : Ohno789_12
- Track 53 : Eaglepride_13
- Track 54 : Drake94_11
- Track 55 : Shapes_15, RhynO_13, DustyMartin_15, Rowdy_15
- Track 56 : Chupacabra_12, Goose_12, OKCentral2016_12
- Track 57 : Rebeuca_13, Kristoff_13
- Track 58 : KittenMittens_11, Severus_11, Poompha_11
- Track 59 : DontArgue_11
- Track 60 : Topanga_12
- Track 61 : PeaceMeal1_11

- Track 62 : Edison31_12
- Track 63 : Twister_12, WalterMcMickey_12
- Track 64 : Trike_10
- Track 65 : Salz_13, Et2Brutus_12, Bachome_13, Timothy_13, Petersenfast_12, Gilberta_13, Mulciber_13, Bud_13, Mabel_13, Hutc2_13, Munch_13, Lucivia_13, MaCh_13, Orange_13, Jabith_13, Flaverint_13, Bowtie_13, Sham4_13, Joselito_13, Wolpertinger_12, Snape_13, Insomnia_13, TinyTimmy_13, Fibonacci_13, Ebony_13, Aneem_13
- Track 66 : Saskia_12
- Track 67 : Kimba_13
- Track 68 : Refuge_16
- Track 69 : DarthPhader_14
- Track 70 : Pharaoh_13
- Track 71 : Zimmer_15
- Track 72 : Steamy_14
- Track 73 : Phlei_9
- Track 74 : Jeeves_12
- Track 75 : Gail_12, SororFago_12
- Track 76 : Luchador_13
- Track 77 : Sunhee_11
- Track 78 : Strosahl_15, Switzerland_15, LastResort_15, ShayRa_16, KatherineG_15, ReMo_15, MinecraftSteve_16, Remus_15, DekHockey33_15, Waits_15, Nebulosus_15, Looper_16, Battleship_16, Epsocamisio_15
- Track 79 : Soups_15, Anaysia_15, Boohoo_15, Ravana_16, Warrior24_15, Rosalind_15, Oofda_15
- Track 80 : Elle_13
- Track 81 : Nedarya_14
- Track 82 : Anon_13
- Track 83 : JSwag_15
- Track 84 : EagleEye_15, Lucyedi_14, PainterBoy_14
- Track 85 : 40AC_16
- Track 86 : MyraDee_10
- Track 87 : Kimona_9
- Track 88 : Tomathan_16, D32_16, Naji_16, Travvers_16, D29_14
- Track 89 : GaugeLDP_15, BabyBack_15
- Track 90 : Malec_14, Larenn_14
- Track 91 : NicoleTera_17
- Track 92 : Miko_16
- Track 93 : Deloris_14, BengiVuitton_14
- Track 94 : Landor_14
- Track 95 : Equemioh13_15, Drake55_15, WideWale_15, Piro94_14, Flare16_13, Centaur_15, HarryHoudini_15, Updawg_15, Gratitude_14, MiculUcigas_13, Terrific_17
- Track 96 : AnnaL29_16
- Track 97 : Prudy_15
- Track 98 : Caraxes_12, Superchunk_12
- Track 99 : SwirlSquare_14
- Track 100 : Rachaly_16
- Track 101 : Koduck_14, L5_14
- Track 102 : Leogania_15
- Track 103 : Bactobuster_14, IronMan_15
- Track 104 : Changeling_16, ArcherNM_15
- Track 105 : JoshKayV_15

- Track 106 : ChipMunk_15, KingCyrus_15, EvilGenius_15
- Track 107 : First_0013, 20ES_13
- Track 108 : Loser_16
- Track 109 : Crucio_13
- Track 110 : Jsquared_12, Bradman_12, Quokka_11, Serenity_12, MajorMajor_12
- Track 111 : VC3_16, ANI8_16, AN9_16, C3_11
- Track 112 : QueenBeesly_13, Retro23_13, FiringLine_13, Georgie2_14, SweetiePie_13, Power_13, SnapTap_13
- Track 113 : AN3_13, VA6_13
- Track 114 : Che12_14
- Track 115 : TipsytheTRex_12
- Track 116 : Pomar16_16, DBQu4n_16, StarStuff_16, Kerberos_16, Duplo_16
- Track 117 : ForesterFrank_14
- Track 118 : EZMoney23_17
- Track 119 : Fameo_13, QueenB2_13, DudeLittle_13
- Track 120 : Dalmatian_13, SemperFi_15
- Track 121 : Colin_17
- Track 122 : RedRock_16
- Track 123 : MissWhite_13
- Track 124 : Tristan_14
- Track 125 : Sknot_13
- Track 126 : LilTurb_15, Jerm_15, Buggy_15, Smeagan_15, Leviathan_15, Turbido_15, Dignity_15, AbbyPaige_15, Whabigail7_15, Agape74_15
- Track 127 : WeiHuaDA_19
- Track 128 : Kalpine_16
- Track 129 : HippoHollow_14, LionsBait_14, LadyBird_13
- Track 130 : Benvolio_13, Echid_13
- Track 131 : Anselm_13
- Track 132 : Trooper_13
- Track 133 : Herbertwm_11
- Track 134 : NaSiaTalie_13
- Track 135 : XianYue_13
- Track 136 : Pukovnik_15
- Track 137 : Heffalump_15
- Track 138 : BiancaTri92_15
- Track 139 : Odin_12
- Track 140 : Trixie_16
- Track 141 : Loka_16
- Track 142 : DeerParkTS_14
- Track 143 : Phaded_16, Jaan_16
- Track 144 : Acolyte_13
- Track 145 : CRB1_13
- Track 146 : Adzzy_14, Ph8s_14
- Track 147 : TarsusIV_13
- Track 148 : Baehexic_14
- Track 149 : Journey13_11
- Track 150 : Iwokeuplikedis_13
- Track 151 : BobSwaget_16
- Track 152 : NothingSpecial_15
- Track 153 : FatCactus_11
- Track 154 : Anthony_12
- Track 155 : Kinmap_12
- Track 156 : Chargerpower_13

- Track 157 : Norbert_12, Noella_13, Texage_12, Caviar_13, EtoileNova_13, Popcicle_13, Veracruz_12, ResDef_13, Pocahontas_13, Todacoro_13, Lambert1_13, Panamaxus_13, Hookmount_13, QuinnKiro_12
- Track 158 : Lowa_14, Malinsilva_16, Heliosoles_14, SoYo_14, Grub_14, HaveUMetTed_15, KADY_15, Marie_14, Misomonster_16, ACFishhook_14, Dieselweasel_14, MuchMore_16, Manu_15, Daishi_13, Phoebe_14, Taurus_14, LBerry_14, Groupthink_15, Phranny_15, Tiffany_14, MarQuardt_14, Jobu08_14, Sabia_14, Rummer_14, LugYA_16, LarryKay_14, Louie6_14, Spike509_14, DaHudson_14, P28Green_14, TinyPebbles_14, Calvinny_15, HashRod_15, Croquant_15, OlanP_14, Colbster_14, Kalb97_15, Grum1_14, Grif_14, Beauxregard13_14, JeppNRM_15, Pembroke_14, Snickers_14, Fernando_14, GingkoMaracino_14, Stagni_14, JenCasNa_14, Wooldri_16, Hercules11_14, MoneyMay_14, Bxz2_14, PGHhamlin_16, Ollie_14, PotatoSplit_15, Farber_14, Microwolf_14, AgronaGT15_14, Vix_14, Gemma_14, BuzzBuzz_13, Lilith_14, JHC117_14, GtownJaz_14, SoilDragon_14, PurpleHaze_14, Penny1_14, EpicPhail_14, ClownCar_15, Montavir_13, Phoxy_14, Aglet_14, Watson_14, Pawn_14, Anubis_16, Bigflo_14, MadMarie_14, Methuselah_14, PhishRPhriends_13, Gwennie_13, BreSam8_14, Reba_15, Soshari_16, Mainiac_14, Cullens_14, AugsMagnumOpus_16
- Track 159 : Kachowdy_12, Heathen_12
- Track 160 : Chiqui_11, BabyJohn_11
- Track 161 : StepMih_14, Sabinator_14
- Track 162 : Zetzy_13
- Track 163 : Clammy_12, Idleandcovert_12, TNguyen7_12, SaturnRing_12, Puppy_13, Bugatti_12, Giroux_13, Pistachio_13, BlueBird_13
- Track 164 : MA5_12
- Track 165 : HelDan_12, Phantastic_12, Zarafa_12, Roimos_12, DropBear_12, Marchesa_12
- Track 166 : Rockstar_12, JF2_12, B1_10, MK4_12, JF4_12
- Track 167 : Margo_13
- Track 168 : Fred313_12, Scout_12
- Track 169 : BabyRay_12
- Track 170 : Isca_12
- Track 171 : Kalnoky_15, Marius_15
- Track 172 : BubbleTrouble_12
- Track 173 : Noelle_12
- Track 174 : Mayonnaise_12, Chaph_12, Thanksgivukkah_12, Cocoaberry_12, Maverick_12, Deano_12, PeterPeter_12, Nemo27_12, Phacado_12, Gadost_12, NotAPhaseMom_12, Millski_12, Wander_12, Huxley_12, Taquarus_12, Iceman_12, Bruiser_12, Houdini22_12, Mazhar510_12, Caelakin_12
- Track 175 : Ulysses_11
- Track 176 : Sabertooth_12, MeeZee_12, SteMason_11, TygerBlood_12, Wilbur_12, Baby16_12, Romney_12, NorthStar_12, Florean_12, Dhanush_12, Sparxx_12, Ruin_12, Tinybot_11, ICleared_12, KFPoly_12, KekoraPapaka_11, Phelipe_12, Alberto7_13, JayKayelowell_12, Albee_12, Holli_12, Lemur_12
- Track 177 : Koan_12, Arturo_11, Camperdownii_11, Kyee_12, Medusa_12, Phontbonne_12, Abdiel_12
- Track 178 : Nebs_12, Polymorphads_12, Ohfah_12, Eurydice_12, LeoAvram_12, Morrow_12, Bombshell_12
- Track 179 : Sultana_12, JoongJeon_12, LappelDuVide_12, Scamp_12, JetBlade_12, Clarenza_12, Citius_12, Druantia_12, Roosevelt_12, Wizard007_12, Blackmoor_12, Bartimeaus_12, CentreCat_12, Avle17_12

- Track 180 : Datway_12, Wile_12, Xena_12, Backyardigan_12, Badger_12, Achebe_12
- Track 181 : Burger_11, Lorenzo_12
- Track 182 : PetiteSangsue_12, Katalie136_12, Perplexer_12, Bumblebee11_12, Morpher26_12
- Track 183 : Flux_12
- Track 184 : Palestino_12, Connomayer_12
- Track 185 : Eapen_12, Kratark_12, Phighter1804_12, DirtyDunning_12, Iracema64_12
- Track 186 : Stasia_13
- Track 187 : Eris_12, BellusTerra_12, Funston_12
- Track 188 : SheldonCooper_12, BangNhom_11, Obama12_12, Cerulean_12, ChampagnePapi_12, LHTSCC_12
- Track 189 : Miramae_12
- Track 190 : Nyxis_12
- Track 191 : Skipitt_12
- Track 192 : Shygu2_12, Cici_12
- Track 193 : Rosa24_11
- Track 194 : SenorClean_12, Koreni_11, HamSlice_11, TinaFeyge_12, TroyPia_12, Commander_12
- Track 195 : Happiness_12
- Track 196 : Eros_12
- Track 197 : YoSam321_12
- Track 198 : RockieBear_11, Maxo_12, Kampy_12, LittleB_12
- Track 199 : Annyong_12
- Track 200 : AbbysRanger_12
- Track 201 : Broseidon_12, Spino_12, Pipcraft_12, Shaka_12, Pumbaa_12, Melvin_12, Relief_12, Eagle_11, Lunsford_13, LochMonster_12
- Track 202 : Kremtemulon_12, Cintron_12
- Track 203 : Peaches_12
- Track 204 : LittleGuy_12
- Track 205 : OKaNui_12
- Track 206 : Stink_12
- Track 207 : Mundrea_12
- Track 208 : Cindaradix_11
- Track 209 : TiroTheta9_12
- Track 210 : AvatarAhPeg_12
- Track 211 : Kingmustik0402_12
- Track 212 : Chadwick_11, PetterN_11, Naca_10
- Track 213 : Tiger_10, Conspiracy_10, ForGetIt_10, AgentM_10, Lev2_10, Jovo_10, PickleBack_10, Phlorence_10, Archetta_10
- Track 214 : Airmid_10, ElTiger69_10, Benedict_10
- Track 215 : Micasa_10, Midas2_10, George_9, Milcery_10, HuhtaEnerson15_10, Tarynearal_9, Coog_10, Florence1_10, Bonamassa_10, Florence4_11, Prinashel11_11, Swirley_10, LittleCherry_10
- Track 216 : UnionJack_10
- Track 217 : Dublin_9
- Track 218 : Cuco_10
- Track 219 : Discoknowium_10, Bluefalcon_9, Aragog_10
- Track 220 : Twigg_10
- Track 221 : Jabiru_10
- Track 222 : Ghoulboy_10, SydNat_10, Zolita_9
- Track 223 : MarysWell_9, Theia_9

- Track 224 : Scorpia_11
- Track 225 : DelvinSonDorr_15
- Track 226 : Hammer_16, Artemis2UCLA_16, Temprado_16, Koko_16, Blue7_16, Roksolana_16, Indra_16, Rifter_16, Hexamo_16, Tucker_16, Gladiator_16, Helmet_16, Gruunaga_16, Garak_17
- Track 227 : WunderPhul_16, ToneTone_15, Lilbunny_16, Wiks_16, Yokurt_16, Zaka_16, BlessJoy_16, Zulu_16
- Track 228 : SmellyB_16, Dorothea_16, Chartreuse_16, DaVinci_16, Kazan_16, SuperCallie99_16, VohminGhazi_16, Neeharika16_16, Candra_16, Kipper29_16, Jeffabunny_16, McFly_16, Cookiedough_16, JewelBug_16, Pmask_16, Hoot_16, BennyP_16, SuperAwesome_16, Isiphiwo_16, Jordennis_16, Newrala_16, BABullseye_16, EricB_16, Polyphemus_16, GreedyLawyer_16
- Track 229 : Priamo_16
- Track 230 : Blinn1_16
- Track 231 : CloudWang3_16
- Track 232 : PP_22
- Track 233 : Timshel_13
- Track 234 : Sheen_14, FlyCatcher_16, Toro_15
- Track 235 : DroogsArmy_13
- Track 236 : HINdeR_12
- Track 237 : Smeadley_10, Roary_10, Dixon_10
- Track 238 : Astro_10, Caitlin_9, Expelliarmus_9, Groundhog_9
- Track 239 : Stephig9_10
- Track 240 : Danforth_9
- Track 241 : Saintus_10
- Track 242 : NearlyHeadless_10
- Track 243 : Phillis_10
- Track 244 : Tubs_14, Aliter_14, Alma_14, Catalina_14, PackMan_14, Phaeder_14
- Track 245 : Arissanae_12, Rahalelujah_12, Bellris_11, CogOmlette_11, Minispark_11, WorldCup_11
- Track 246 : Scherzo_14, Lilleskat_12, Ugenie5_11, Sachima_12, EdogawaKiddo_12, Ayanochan_15
- Track 247 : Fayely_14
- Track 248 : Darrell_15
- Track 249 : Toaka_12
- Track 250 : Onglai_13, Halex_13, RyeScarlet_15, Hanray_13
- Track 251 : Priya_14, Eidsmoe_14, EmyBug_14, Spouty_14
- Track 252 : Vanisoa_12
- Track 253 : Phonnegut_14, Pioneer_14, ExplosioNervosa_14
- Track 254 : Klodlith_13, DreamTeam1_13
- Track 255 : Myxus_14, HortumSL17_14
- Track 256 : Conquerage_14
- Track 257 : MegTheThird_12, Celestialunch_13
- Track 258 : Elephantoon_14
- Track 259 : Qobbit_14
- Track 260 : Keziacharles14_12
- Track 261 : BogosyJay_14, Maminiaina_14
- Track 262 : SheaKeira_13
- Track 263 : LoneWolf_14
- Track 264 : Yecey3_13
- Track 265 : Jiawan_13
- Track 266 : Beemo_14
- Track 267 : Charm_13

- Track 268 : Farewell_3, Sparky_3
- Track 269 : Nergal_6
- Track 270 : MalagasyRose_8
- Track 271 : MidnightRain_4, Lasker_4, BasketStar_4, Faja_4, MaterMagnus_4, Gorpy_4, SonDevVon_3, Aikyam_4, BlueShadow_4, Hillester_4, Sakai_4, JellyBread_4
- Track 272 : Seahorse_4
- Track 273 : ThayneTheZag_4
- Track 274 : Ding_4
- Track 275 : LeBruni_4
- Track 276 : Mapleville_4
- Track 277 : YoungHarleezy_4
- Track 278 : Auxilium_4
- Track 279 : Nyilah_3
- Track 280 : Sporco_5
- Track 281 : GumGum_4
- Track 282 : EvePickles_4, Globfish_4
- Track 283 : JakeTheSnake_4
- Track 284 : BenchScraper_4
- Track 285 : Kabloowy_4
- Track 286 : AdaS_4, CookieBear_4, Raphaella_4
- Track 287 : Shukran_4, Satrap_4
- Track 288 : SpicyFrank_4
- Track 289 : Phrank15_3
- Track 290 : RadFad_4
- Track 291 : MurphyJoseph_4
- Track 292 : Isolde_4, Vopal_4, Windest_4
- Track 293 : Persistence_3
- Track 294 : Richie_4
- Track 295 : Tiff81_4
- Track 296 : Anekin_3
- Track 297 : DarwinJr_6
- Track 298 : CosmicBrownie_3
- Track 299 : Hestia_3
- Track 300 : Lawnathon_4
- Track 301 : Sashimi_4
- Track 302 : MUWow_3
- Track 303 : Bhageatrice_6
- Track 304 : NewKitty_4
- Track 305 : Crescenzo_4
- Track 306 : BillyTP_4
- Track 307 : ThursdayNight_3
- Track 308 : Eraser_3, Subaru_3, Niobe_3, Asa16_3, Elezi_3, Skelbel_3, London_3, Jstan_3
- Track 309 : ObiToo_3
- Track 310 : Berrie_3
- Track 311 : Nitro_3
- Track 312 : Tallboi_3
- Track 313 : Pixelle_3
- Track 314 : Wildwest_4
- Track 315 : Reedo_3
- Track 316 : Yang_3

- Track 317 : Warda_3, Kaylissa_3, Tutumahutu_3, Powerpuff_3, AGrandiflora_3, Joemato_3, YesChef_3, Tbone_3, Flutur_3, Mudpuppy_3, Lego_3, Simpson_3
- Track 318 : Lizalica_3
- Track 319 : Sue2_3
- Track 320 : KeAlii_3
- Track 321 : DrSierra_3
- Track 322 : Pumpkins_3
- Track 323 : JuneStar_3
- Track 324 : MissSwiss_3, PandaPo_3
- Track 325 : DrManhattan_3, Adolin_3
- Track 326 : Iter_3, Ascela_3
- Track 327 : Janeemi_4
- Track 328 : Tian_3, Amyev_3
- Track 329 : Turab_3, Tuck_4, Adumb2043_3, Community_4, Amploria_3
- Track 330 : IttyBittyPiggy_3
- Track 331 : JohnDoe_3
- Track 332 : Phives_4
- Track 333 : Cassia_3
- Track 334 : Cyan_3
- Track 335 : Crewmate_4
- Track 336 : TforTroy_3
- Track 337 : AEgle_3
- Track 338 : VResidence_3
- Track 339 : Schaffner_3
- Track 340 : MaGuCo_3
- Track 341 : IUFootball_3, Maureen_3, Liebe_3
- Track 342 : Tweety19_4
- Track 343 : Snek_4
- Track 344 : JohnThicc_3, Origami_3, LadyAstra_3, FiveHead_3
- Track 345 : Emotion_3
- Track 346 : JasmineDragon_3, MiniMommy_3, ShakeItOph_3, VroomVroom_3
- Track 347 : AceofSpades_3
- Track 348 : Moss_3, Ashes_3, RockScotty_3, Giorgio_3, SpecialK_3
- Track 349 : Beaupre_3, Mysterium_3, Gumpizza_3, Stuu_3
- Track 350 : Halsey_3
- Track 351 : Sabourin_3, Kalimba_3, Sooty_3, Cappuccino_3, Gambol_3, Donkey_3
- Track 352 : Soondubu_3
- Track 353 : Exile_3
- Track 354 : AinMach_3
- Track 355 : Phettuccine_7, Bovely_7, Unstoppable_7, Ozzie_7, Aaronocolus_7, Legacy_7, BeardedLady_8, Esperer_7, Hydra_9, Nerdos_7, SunsetPointe_7, Leviticus_7, Indigo_7
- Track 356 : Nabi_7, Rana_7
- Track 357 : Eddasa_8, Jash_8, Izzy_8, Rusticus_8, BryanRecycles_8
- Track 358 : Lorelei_7
- Track 359 : Asten_7, OzzyJ_8, Triste_7
- Track 360 : Ejemplo_7, TuanPN_7, Yasdnail_7
- Track 361 : Katalie_8, RedBear_9, South40_8
- Track 362 : Emaanora_9, Snorlax_7, Werner_7, SarahRose_7, BarryBee_9, Whatever_7, Dwayne_7, Hippo_7
- Track 363 : TagePhigher_8, Chucky_7
- Track 364 : Lika_7, Godpower_8
- Track 365 : Dattran_8, Sujidade_8, Goby_7, Toma_7

- Track 366 : Lannister_8
- Track 367 : Zemlya_8, Celeste_7, Danzina_8
- Track 368 : EnochSoames_8
- Track 369 : Oliynyk_8
- Track 370 : Maneekul_7
- Track 371 : Nanodon_9
- Track 372 : Brataylor_8
- Track 373 : Caliburn_7
- Track 374 : Axiom_8
- Track 375 : ELB20_06, R4_7
- Track 376 : TinaBelcher_7, Bowden_8
- Track 377 : Caelum_8
- Track 378 : Amethyst_7
- Track 379 : Haizum_7
- Track 380 : Andris_7
- Track 381 : Puginator_9
- Track 382 : Janus_8
- Track 383 : Pablito_7
- Track 384 : Jevington_9, Marav_10
- Track 385 : Animus_8, SqueakyClean_8
- Track 386 : Triumph_9
- Track 387 : Daudau_7
- Track 388 : TrvxScott_6
- Track 389 : Nishikigoi_7, Tefunt_7
- Track 390 : Loofah_8, Paedore_7
- Track 391 : BartholomewSD_9
- Track 392 : Hank144_8
- Track 393 : Issmi_8
- Track 394 : Paolo_9
- Track 395 : Thestral_8
- Track 396 : Zainub_9
- Track 397 : Diane_7
- Track 398 : GirlDinner_7
- Track 399 : Alvy_9
- Track 400 : Omar_8
- Track 401 : Superstar_9
- Track 402 : Amela_7, SunkenRoot_9
- Track 403 : Pavo_8, Alsaber_8, Provolone_8, Kaine_7, Conan_8
- Track 404 : ElGato_8
- Track 405 : Verabelle_8
- Track 406 : Vanseggelen_10
- Track 407 : Jhitchelle_6
- Track 408 : Celery_9
- Track 409 : Dexers_6
- Track 410 : Saftant_7
- Track 411 : phiCAM_07
- Track 412 : Yosif_8
- Track 413 : Sudan_7
- Track 414 : Verse_7
- Track 415 : ZamZam_7
- Track 416 : Speedwell_8
- Track 417 : GreenWeasel_9
- Track 418 : BroPlease_8

- Track 419 : phiHau3_9
- Track 420 : Urza_7, Itza_7
- Track 421 : VieEnRose_7
- Track 422 : Celia_7
- Track 423 : phiSASD1_23
- Track 424 : Dubu_3
- Track 425 : AbbeyMikolon_3, Nesbitt_3
- Track 426 : Rowa_3
- Track 427 : Success_51
- Track 428 : Spooks_50
- Track 429 : Bimmel_49
- Track 430 : Lillie_9, Belenaria_9, Swann_9, Espica_9, Nancinator_9, Natosaleda_9, CosmicSans_9, StCroix_9, Rhodalysa_9, Shuman_9, UhSalsa_9, Erik_9, Naiad_9, Krishelle_9, Bradshaw_9, Phrankensteen_9, RER2_2, Gollum_9, TWAMP_9, Alatin_9, RexFury_9
- Track 431 : Partridge_9, Dinger_9
- Track 432 : Alpacados_8, Bonanza_9, Yogi_9
- Track 433 : PhailMary_8
- Track 434 : Harlequin_9, Jester_9
- Track 435 : AngryOrchard_8, Takoda_9
- Track 436 : AppleCloud_7
- Track 437 : Yoncess_9, Rasputin_9, Bryce_9, BobbyDazzler_9
- Track 438 : RGL3_2
- Track 439 : Hiro_9
- Track 440 : Ziko_38, Ronaldo_38, Volt_37, Fryberger_35
- Track 441 : Keelan_33
- Track 442 : Guey18_40
- Track 443 : Phishy_6
- Track 444 : Vordorf_5
- Track 445 : BabyMoney_5
- Track 446 : Dogfish_5
- Track 447 : Meyran_5
- Track 448 : Ewald_6
- Track 449 : Nyceirae_7
- Track 450 : Manilisa_7
- Track 451 : Kudefre_13
- Track 452 : Sephiroth_14
- Track 453 : Syleon_14
- Track 454 : Octobien14_14
- Track 455 : Trax_13
- Track 456 : Rabbitrun_15
- Track 457 : LilJank_13
- Track 458 : Neville_13
- Track 459 : IAmGroot_3
- Track 460 : SuMoo_3
- Track 461 : Honk_3
- Track 462 : Forester_7, Gretchen_3, SuperHands_4
- Track 463 : UtzChips_3, Barnstormer_3
- Track 464 : Mabodamaca_3
- Track 465 : Cen1621_3
- Track 466 : Caron_3
- Track 467 : Floof_3
- Track 468 : Zeta1847_3

- Track 469 : GardenState_3
- Track 470 : Percival_3
- Track 471 : Colleen_4, Arianna_4, Poushou_4, TouchMeNot_4
- Track 472 : LordVader_4
- Track 473 : Spikelee_4, Kingsley_4, Cerasum_4, Peridot_4, Beanstalk_4, Starceвич_4, Beakin_4, Ramsey_4, Job42_4, Tchotchke_4, UncleRicky_4, OwlsT2W_4, JalFarm20_4, Leozinho_4, Brookers_4, SimranZ1_4, Enby_4, Sarma624_4, Oksu_4, DaWorst_4, BigPhil_4, Lorde_4, RockyHorror_4, Pollywog_4, Madiba_4, Tootsieroll_4, Alexphander_4, Stap_4, Drago_4, BuzzLyseyear_4, Marker_4, Boomer_4, Lucia_4, Coco12_4, Velveteen_4
- Track 474 : MulchExplorer_4, Hegedechwinu_4, Kimberlium_4, Juice456_4, Doomslug_4, Flathead_4, Plumbus_4, Brushbloom_4, DirtMcgirt_4
- Track 475 : DocMcStuffins_4, ChickenDinner_4, TootsiePop_4, Misha28_4, Piper2020_4, Aloeri_4, Awesomesauce_4
- Track 476 : Mozy_4
- Track 477 : Frankie_4
- Track 478 : Girafales_4, Quico_4
- Track 479 : DosHalletts_4
- Track 480 : Emmaloid_4, Totinger_4, Slim_4, Rialto_4, LittleShirley_4
- Track 481 : Mova_4
- Track 482 : Cornucopia_4
- Track 483 : Seagreen_4
- Track 484 : Bobi_4
- Track 485 : Squirty_4
- Track 486 : Constance_3, PeggyLeg03_3
- Track 487 : Henrique_3, Karkharias_3
- Track 488 : GlobiWarming_3
- Track 489 : Judy_3, Bridgette_3
- Track 490 : Peas_3, Eileen_3, HotPotato_3
- Track 491 : NidoQ_3
- Track 492 : LittleRon_3, KayMoney_3, ChuckDuck_3
- Track 493 : NikkiHotWheels_3
- Track 494 : Pucara_3
- Track 495 : FosterFrank_3
- Track 496 : LilyBell_3
- Track 497 : Hum25_3
- Track 498 : Durfee_9, Clipper_9, MacKat_9, QuincyRose_8, Topper_9, Rosmarinus_9, Pokerus_8, Jeckyll_9, ShiaSurprise_9, Boiiii_9
- Track 499 : McMater_9, Shaobing_9, Richo_9, Niklas_9, Peanam_9, Dartin_9
- Track 500 : Jarvi_9, Asayake_9, Belladonna_9, Lunahalos_9, Blizzard_9, Peel_9, Hyperbowlee_9, BGlluviae_9, Spock_9, Ganymede_9, Dalmuri_9, Homura_9, Padfoot_9, Twitch_9, Veliki_9, Inky_9, Tiri_9, CREW_9, Capricorn_9, BarrelRoll_9, Piatt_9, Llorens_9, CaseJules_9
- Track 501 : Enkosi_5
- Track 502 : Chris_8
- Track 503 : Geraldini_9, Beezoo_9
- Track 504 : BEEST_9
- Track 505 : Zavala_9, YoureAdopted_8, CallaLilly_9
- Track 506 : Atiba_9, CheetoDust_9, Tachez_9, Emerson_9, AlishaPH_9
- Track 507 : SgtBeansprout_5, Nikao_5, Nutello_5, Trice_5, Amelie_5, Teejan_5, Torres_5, Mdavu_5, LilPharaoh_5, Biglebops_5
- Track 508 : TruffulaTree_9
- Track 509 : Mynx_9

- Track 510 : Dole_9
- Track 511 : Oscar_8
- Track 512 : Murucutumbu_9, LaterM_9
- Track 513 : Joy99_9
- Track 514 : LindNT_9
- Track 515 : Pisa4_8, Pisa1_8
- Track 516 : LastHope_9
- Track 517 : Slimphazië_9, Ramen_9, HedwigODU_9, JAWS_9, Rapunzel97_9, Adephagia_9, Zabiza_9, Jayhawk_9, ActinUp_9
- Track 518 : Apocalypse_9
- Track 519 : Guanica15_9, Yunkel11_9
- Track 520 : LeMond_8
- Track 521 : Deby_9, Sulley_9
- Track 522 : Bern_9
- Track 523 : MeaningOfLife_9
- Track 524 : Anaya_10
- Track 525 : Anma_9, SamuelLPlaqson_9, Urkel_9, DrHayes_9
- Track 526 : MarkPhew_8
- Track 527 : Bella96_9, DartGoblin_9
- Track 528 : Nibb_8
- Track 529 : Prithvi_9, TreyKay_9
- Track 530 : TaiwanKao_9
- Track 531 : Chavito_9
- Track 532 : KiSi_8
- Track 533 : Scarlett_8
- Track 534 : Efra2_9
- Track 535 : Curiosium_10
- Track 536 : Validus_9
- Track 537 : Padpat_9
- Track 538 : Devera_9, Illumine_9
- Track 539 : Megsy_9, CrimD_9
- Track 540 : TingHuaYa_9
- Track 541 : BaghaKamala_9
- Track 542 : Stinson_9
- Track 543 : Angelica_9
- Track 544 : Ageofdapage_9
- Track 545 : Adonis_9
- Track 546 : TiniBug_9
- Track 547 : Milly_5, Strobilo_5
- Track 548 : BoostSeason_5, Mufasa_5
- Track 549 : TM4_5
- Track 550 : DismalStressor_5, DismalFunk_5, Marcoliusprime_5
- Track 551 : Findley_5
- Track 552 : Doughnut_5
- Track 553 : ZoeJ_5
- Track 554 : TBond007_8, Pixie_8
- Track 555 : Keshu_8
- Track 556 : Lea83_8, ShedlockHolmes_8
- Track 557 : TripleTrouble_7
- Track 558 : Pharb_8
- Track 559 : MacnCheese_9
- Track 560 : Hurricane_8
- Track 561 : OmniCritical_10, Lebo14_10

- Track 562 : Juliette_10, Ruthiejr_9
- Track 563 : Mitti_10, Taquito_8
- Track 564 : Cheetobro_10, Qhanda_10, Slarp_10, Chancellor_10
- Track 565 : Malthus_10, Kraw_10, SamScheppers_8, DanSyl44_10, Fionnbharth_10, Wintermute_10
- Track 566 : Bobquesha_10
- Track 567 : Reptar3000_10
- Track 568 : Y2_10, Y10_10
- Track 569 : JF1_10
- Track 570 : Patt_10, MissDaisy_10
- Track 571 : YasnayaPolyana_10
- Track 572 : Eponine_10
- Track 573 : AlleyCat_7, Neighly_7, LilDirt_6, InvictusManeo_7, Psycho_7, Edugator_6, Larva_7, Dadosky_7
- Track 574 : Rando14_7
- Track 575 : OkiRoe_7
- Track 576 : Agent47_7, ViviJ_6, Kratio_6
- Track 577 : Gengar_7, Guillsminger_7, Paola_7
- Track 578 : Miryou_7, Collard_7, Feyre_7, Thyatira_7, BananenDer11_7, DoubleChamp_7, Waterfoul_7
- Track 579 : SoSeph_7, Heftyboy_7
- Track 580 : Omnicron_7
- Track 581 : Leston_7
- Track 582 : Marshawn_10
- Track 583 : Syra333_8
- Track 584 : Bryler_8, Sunflower1121_7, Cain_8, Shadow1_7, Phrank_8
- Track 585 : Ellie_6
- Track 586 : Tigress9_8, Krueger_8
- Track 587 : Ekdilam_6
- Track 588 : Ximenita_9
- Track 589 : Applecrisp_7
- Track 590 : Yuna_9
- Track 591 : DarthP_8
- Track 592 : Amohnition_8
- Track 593 : Tierra_8
- Track 594 : Lavahound_7
- Track 595 : TClif_8
- Track 596 : November_7
- Track 597 : Unicorn_8, PhelpsODU_8
- Track 598 : Fefferhead_8
- Track 599 : Hammy_8
- Track 600 : SirPhilip_8
- Track 601 : Amgine_7
- Track 602 : Aminay_7
- Track 603 : Boilgate_6
- Track 604 : LeBron_5, Zaria_5, AvadaKedavra_5, Wamburgxpress_5, Silverleaf_5, Wyatt2_5, DirkDirk_5, Appletree2_5, CicholasNage_5, JoeDirt_5, Calm_5, Acquire49_5, UPIE_5, Rose5_5, Enceladus_5, Poochiewood_5
- Track 605 : OhShagHennessy_5
- Track 606 : Halena_5, MAckerman_5
- Track 607 : Tyson_5
- Track 608 : BobsGarage_5, Miley16_5, Gardann_5, LilDestine_5, BigCheese_5, Breezona_5, SoJulia_5, MkaliMitinis3_5, Faith1_5, Nicholasp3_5, Underpass_5,

Zakai_5, Kahlid_5, Itos_5, Gabriela_5, Netyap_5, Winky_5, DrSeegs_5, Wilder_5

- Track 609 : DHan_5, ZhongYanYuan_4, Baoshan_4, Claus_5
- Track 610 : Rumpelstiltskin_5, Vetrix_5
- Track 611 : OverPar_5, Sarshaun_5, Loadrie_5, Soap141_5, Hafay_5
- Track 612 : Bazzle_5
- Track 613 : Wigglewiggle_5
- Track 614 : Tourach_5
- Track 615 : Archie_5
- Track 616 : Lewan_5
- Track 617 : Lynnae_5, Crossroads_5
- Track 618 : Rossetti_5
- Track 619 : DanBing_4
- Track 620 : GuuelaD_5
- Track 621 : Finemlucis_5
- Track 622 : MiniLon_6, Lolly9_6
- Track 623 : Red305_6, Jobypre_6, Jubie_6, MsGreen_6, Nicholas_6, Kingsolomon_6, Snenia_6, TriFive_6, Clautastrophe_6, Lumos_6
- Track 624 : Bellis_6, Moostard_6, Samty_6, Finnry_6
- Track 625 : DuncansLeg_6
- Track 626 : LiyuLake_6, BourbonZero_5
- Track 627 : KirDoubleO7_4
- Track 628 : Ellson_6
- Track 629 : MiniMac_6
- Track 630 : Krypton555_6, Whirlwind_7
- Track 631 : Quby_5
- Track 632 : Sheng711_5, BrainDrainer_5, Douzhi_5, PYPDinur_5
- Track 633 : Chaser_5
- Track 634 : Kropertea_5
- Track 635 : DyoEdafos_6
- Track 636 : ChutneyChips_4
- Track 637 : Bromden_5
- Track 638 : FarmResident_5
- Track 639 : Douge_5
- Track 640 : Baudelaire_5, Aegeus_5
- Track 641 : RoseMarie_15
- Track 642 : Reindeer_13
- Track 643 : PegLeg_15, Auspice_15, Dulcita_16, Diminimus_16, Bricole_15, KleverKiS_15, Glaske16_16, TyDawg_15, FreakyGoo_16, LilhomieP_14, TpudiCK_16, Skinny_16, Izel_16, SlimJimmy_14, IPhane7_15, Bongo_15
- Track 644 : Aziz_19, GenevaB15_19
- Track 645 : Rey_19
- Track 646 : GardenSalsa_19, MrMagoo_19
- Track 647 : Estes_20
- Track 648 : Nanosmite_19
- Track 649 : RunningOnE_65
- Track 650 : PhaoMing_2
- Track 651 : MaryV_27, EniyanLRS_24, Wildcat_27, Cosmo_27, Azrael100_26
- Track 652 : Samy_6
- Track 653 : Kromp_3
- Track 654 : Ponzi_44
- Track 655 : Ibantik_69
- Track 656 : GMA4_3
- Track 657 : Sleepyhead_3

- Track 658 : Footloose_3
- Track 659 : Juicebox_4
- Track 660 : Kumao_14
- Track 661 : DS6A_6
- Track 662 : Tailonex_10
- Track 663 : EmiRose_3
- Track 664 : Attoomi_4

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

The start number called the most often in the published annotations is 59, it was called in 322 of the 1480 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- 20ES_13, 40AC_16, AN3_13, AN9_16, ANI8_16, AbbyPaige_15, Acolyte_13, Adzzy_14, Agape74_15, AgentM_10, Airmid_10, Aliter_14, Alma_14, Anaysia_15, Aneem_13, AnnaL29_16, Anon_13, Anselm_13, Anthony_12, Aragog_10, ArcherNM_15, Archetta_10, Arissanae_12, Artemis2UCLA_16, Astro_10, Ayanochan_15, B1_10, BABullseye_16, BabyBack_15, BabyJohn_11, Bachome_13, Bactobuster_14, Baehexic_14, Battleship_16, Beemo_14, Bellris_11, Benedict_10, BengiVuitton_14, BennyP_16, Benvolio_13, BiancaTri92_15, BillKnuckles_13, BlessJoy_16, Blinn1_16, Blue7_16, BlueBird_13, Bluefalcon_9, BobSwaget_16, BogosyJay_14, Bonamassa_10, Boohoo_15, Bowtie_13, Bradman_12, Bud_13, Bugatti_12, Buggy_15, Bxb1_11, C3_11, CRB1_13, Caitlin_9, Candra_16, Caraxes_12, Catalina_14, Celestiallunch_13, Centaur_15, Chadwick_11, Changeling_16, Chargerpower_13, Charm_13, Chartreuse_16, Che12_14, ChipMunk_15, Chiqui_11, Clammy_12, CloudWang3_16, CogOmlette_11, Colin_17, Conquerage_14, Conspiracy_10, Coog_10, Cookiedough_16, Crucio_13, Cuco_10, D29_14, D32_16, DBQu4n_16, DaVinci_16, Dalmatian_13, Danforth_9, Darrell_15, DarthPhader_14, DeerParkTS_14, DekHockey33_15, Deloris_14, Dignity_15, Discoknowium_10, Dixon_10, Dorothea_16, Drake55_15, DreamTeam1_13, DropBear_12, Dublin_9, DudeLittle_13, Duplo_16, EZMoney23_17, EagleEye_15, Ebony_13, Echild_13, EdogawaKiddo_12, Eidsmoe_14, ElTiger69_10, Elephantoon_14, Elle_13, EmyBug_14, Epsocamisiö_15, Equemioh13_15, EricB_16, Et2Brutus_12, EvilGenius_15, Expelliarmus_9, ExplosioNervosa_14, Fameo_13, FatCactus_11, Fayely_14, Fibonacci_13, FiringLine_13, First_0013, Flare16_13, Flaverint_13, Florence1_10, Florence4_11, ForGetIt_10, ForesterFrank_14, Fred313_12, Gail_12, Garak_17, GaugeLDP_15, George_9, Georgie2_14, Ghouboy_10, Gilberta_13, Giroux_13, Gladiator_16, Gratitude_14, GreedyLawyer_16, Groundhog_9, Gruunaga_16, Hammer_16, Hanray_13, HarryHoudini_15, Heathen_12, Heffalump_15, HelDan_12, Helmet_16, Herbertwm_11, Hexamo_16, HippoHollow_14, Horex_13, Hoot_16, HortumSL17_14, HuhtaEnerson15_10, Hutc2_13, Idleandcovert_12, Indra_16, Insomnia_13, IronMan_15, Isca_12, Isiphiwo_16, Iwokeuplikedis_13, JF2_12, JF4_12, JSwag_15, Jaan_16, Jabiru_10, Jabith_13, Jeeves_12, Jeffabunny_16, Jerm_15, JewelBug_16, Jiawan_13, Jordennis_16, Joselito_13, JoshKayV_15, Journey13_11, Jovo_10, Jsquared_12, Kachowdy_12, Kalpine_16, KatherineG_15, Kazan_16, Kerberos_16, Keziacharles14_12, KingCyrus_15, Kinmap_12, Kipper29_16, Klodlith_13, Koduck_14, Koko_16, Kugel_13, Kykar_10, L5_14, LadyBird_13, Landor_14, Larenn_14, LastResort_15, Leogania_15, Lev2_10, Leviathan_15, LilTurb_15,

Lilbunny_16, Lilleskat_12, LionsBait_14, LittleCherry_10, Lokk_16, LoneWolf_14, Looper_16, Loser_16, Luchador_13, Lucivia_13, Lucyedi_14, MA5_12, MK4_12, MaCh_13, Mabel_13, MajorMajor_12, Malec_14, Maminiaina_14, Marchesa_12, MarysWell_9, McFly_16, MegTheThird_12, Micasa_10, MiculUcigas_13, Midas2_10, Miko_16, Milcery_10, MinecraftSteve_16, Minispark_11, MissWhite_13, Mulciber_13, Munch_13, MyraDee_10, Myxus_14, NaSiaTalie_13, Naca_10, Naji_16, NearlyHeadless_10, Nebulosus_15, Nedarya_14, Neeharika16_16, Newrala_16, NicoleTera_17, NothingSpecial_15, Odin_12, Onglai_13, Oofda_15, Orange_13, PackMan_14, PainterBoy_14, Petersenfast_12, PetterN_11, Ph8s_14, Phaded_16, Phaeder_14, Phantastic_12, Pharaoh_13, Phillis_10, Phlei_9, Phlorence_10, Phonnegut_14, PickleBack_10, Pioneer_14, Piro94_14, Pistachio_13, Pmask_16, Polyphemus_16, Pomar16_16, Power_13, Priamo_16, Prinashel1_11, Priya_14, Pukovnik_15, Puppy_13, Qobbit_14, QueenB2_13, QueenBeesly_13, Quokka_11, Rachaly_16, Rahalelujah_12, Ravana_16, ReMo_15, RedRock_16, Refuge_16, Remus_15, Retro23_13, Rifter_16, Roary_10, Rockstar_12, Roimos_12, Roksolana_16, Rosalind_15, RyeScarlet_15, Sachima_12, Saintus_10, Salz_13, Saskia_12, SaturnRing_12, Scherzo_14, Scorpia_11, Scout_12, SemperFi_15, Serenity_12, Sham4_13, ShayRa_16, Sheakeira_13, Sknot_13, Smeadley_10, Smeagan_15, SmellyB_16, SnapTap_13, Snape_13, SororFago_12, Soups_15, Spouty_14, StarStuff_16, Steamy_14, Stephig9_10, Strosahl_15, Sunhee_11, SuperAwesome_16, SuperCallie99_16, Superchunk_12, SweetiePie_13, SwirlSquare_14, Swirley_10, Switzerland_15, SydNat_10, TNguyen7_12, Target_14, TarsusIV_13, Tarynearal_9, Temprado_16, Terrific_17, Theia_9, Tiger_10, Timothy_13, TinyTimmy_13, TipsytheTRex_12, Toaka_12, Tomathan_16, ToneTone_15, Travvers_16, Tristan_14, Trixie_16, Trooper_13, Tubs_14, Tucker_16, Turbido_15, Twigg_10, Ugenie5_11, UnionJack_10, Updawg_15, VA6_13, VC3_16, Vanisoa_12, VohminGhazi_16, Waits_15, Warrior24_15, WeiHuaDA_19, Whabigail7_15, Whitspit_13, WideWale_15, Wiks_16, Wolpertinger_12, WorldCup_11, WunderPhul_16, XianYue_13, Yecey3_13, Yokurt_16, Zaka_16, Zараfa_12, Zimmer_15, Zolita_9, Zulu_16,

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

- BoostSeason_5, DelvinSonDorr_15, DismalFunk_5, DismalStressor_5, Doughnut_5, Findley_5, Kimba_13, Marcoliusprime_5, Milly_5, Mufasa_5, Prudy_15, Strobilo_5, TM4_5,

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

- A6_10, ACFishhook_14, AEgle_3, AFIS_12, AGrandiflora_3, Aaronocolus_7, AbbeyMikolon_3, AbbysRanger_12, Abbysshoes_13, Abdiel_12, Abrogate_130, AceofSpades_3, Achebe_12, Acme_14, Acquire49_5, ActinUp_9, AdaS_4, Adahisdi_13, Adephagia_9, Adolin_3, Adonis_9, Adumb2043_3, Aegeus_5, Aeneas_14, Agaliana_12, Agent47_7, Ageofdapage_9, Aglet_14, AgronaGT15_14, Aikyam_4, AinMach_3, Ajay_12, Alatin_9, Albee_12, Alberto7_13, Aldrich_13, Alexphander_4, AlishaPH_9, AlleyCat_7, Aloeri_4, Alpacadoss_8, Alsaber_8, Alsfro_16, Altman_13, Alvin_13, Alvy_9, Amela_7, Amelie_5, Amethyst_7, Amgine_7, Aminay_7, Amohnition_8, Amploria_3, Amyev_3, Anaya_10, Andris_7, Anekin_3, Angelica_9, Anglerfish_13, AngryOrchard_8, Animus_8, Anma_9, Annyong_12, Anubis_16, Apocalypse_9, AppleCloud_7, Applecrisp_7, Applejack_12, Appletree2_5, Arcanine_13, Archie_5, Arianna_4, Arlo_11, Arturo_11, Asa16_3, Asayake_9, Ascela_3, Ashballer_11, Ashes_3, Asten_7, Atiba_9, Atkinbua_13, Attoomi_4, AugsMagnumOpus_16, Auspice_15, Auxilium_4, AvadaKedavra_5, AvatarAhPeg_12, Avle17_12, Awesomesauce_4, Axiom_8, Aziz_19, Azrael100_26, BEEST_9, BGlluviae_9, BK1_10, BPBiebs31_13, Baby16_12, BabyMoney_5,

BabyRay_12, Backyardigan_12, BaconJack_14, Badger_12, BaghaKamala_9, BananenDer11_7, BangNhom_11, Baoshan_4, Barnstormer_3, BarrelRoll_9, Barriga_12, BarrowTuph_11, BarryBee_9, BartholomewSD_9, Bartimeaus_12, BasketStar_4, Baudelaire_5, Bazzle_5, Beakin_4, Beanstalk_4, BeardedLady_8, Beatrix_11, Beaupre_3, Beauxregard13_14, BeesKnees_13, Beezoo_9, Belenaria_9, Bella96_9, Belladonna_9, Bellis_6, BellusTerra_12, BenchScraper_4, Bern_9, Berrie_3, Bethlehem_12, Bexan_11, Bhageatrice_6, Big3_12, BigCheese_5, BigMau_14, BigPaolini_13, BigPhil_4, Bigchungi_12, Bigflo_14, Bigfoot_11, Binglebops_5, BillyTP_4, Bimmel_49, Bircsak_12, Blackflame_12, Blackmoor_12, Blesser_12, Blizzard_9, BluSpix_12, BlueShadow_4, Blue_12, Bob3_11, BobbyDazzler_9, Bobi_4, Bobquesha_10, BobsGarage_5, Boiiii_9, Boilgate_6, Bombshell_12, Bonanza_9, Bones_12, Bongo_15, Boomer_4, BourbonZero_5, Bovely_7, Bowden_8, Bradshaw_9, BrainDrainer_5, Brataylor_8, BreSam8_14, Breezona_5, Bricole_15, Bridgette_3, Briton15_14, BroPlease_8, Bromden_5, Brookers_4, Broseidon_12, Bruiser_12, Bruns_11, Brushbloom_4, BryanRecycles_8, Bryce_9, Bryler_8, BubbleTrouble_12, Bumblebee11_12, Burger_11, Burton_13, Buttons_13, BuzzBuzz_13, BuzzLyseyear_4, Bx2_14, CREW_9, CactusRose_11, Caelakin_12, Caelum_8, Cain_8, Caliburn_7, CallaLilly_9, Calm_5, Calvinny_15, Camperdownii_11, Cappuccino_3, Capricorn_9, Carlyle_14, Caron_3, CartmannCramer_12, CaseJules_9, Cassia_3, CatBus_13, Caviar_13, Celery_9, Celeste_7, Celia_7, Cen1621_3, CentreCat_12, Cerasum_4, Cerulean_12, ChampagnePapi_12, Chanagan_11, Chancellor_10, Chaph_12, Chaser_5, Chavito_9, CheetoDust_9, Cheetobro_10, ChickenDinner_4, Chris_8, ChristmasHams_12, ChuckDuck_3, Chucky_7, Chupacabra_12, ChutneyChips_4, Ciao_12, CicholasNage_5, Cici_12, Cindaradix_11, Cintron_12, Citius_12, Clarenza_12, Claus_5, Clautastrophe_6, Clipper_9, ClownCar_15, Coco12_4, Cocoaberry_12, Colbster_14, Collard_7, Colleen_4, Commander_12, Community_4, Conan_8, ConceptII_12, Connomayer_12, Constance_3, CookieBear_4, Cornucopia_4, Corvo_12, CosmicBrownie_3, CosmicSans_9, Cosmo_27, Crescenzo_4, Crewmate_4, CrimD_9, Crispicous1_11, Croquant_15, Crossroads_5, Cueyllyss_12, Cullens_14, Curiosium_10, Cyan_3, DD5_13, DHan_5, DS6A_6, DaHudson_14, DaWorst_4, Dadosky_7, Daishi_13, Dalmuri_9, DanBing_4, DanSyl44_10, Danzina_8, DartGoblin_9, DarthP_8, Dartin_9, DarwinJr_6, Dattran_8, Datway_12, Daudau_7, Deano_12, Deby_9, Devera_9, Dexers_6, Dexes_13, Dhanush_12, Diane_7, Dieselweasel_14, Diminimus_16, Ding_4, Dinger_9, DirkDirk_5, DirtDevil_13, DirtMcGirt_4, DirtyDunning_12, DocMcStuffins_4, Dogfish_5, Dole_9, Donkey_3, DontArgue_11, Doom_12, Doomslug_4, DosHalletts_4, DoubleChamp_7, Douge_5, Douzhi_5, DrFeelGood_11, DrHayes_9, DrManhattan_3, DrSeegs_5, DrSierra_3, Drago_4, Drake94_11, DreamCatcher_15, Dreamboat_13, DroogsArmy_13, Druantia_12, Dubu_3, Dulcie_11, Dulcita_16, DuncansLeg_6, Durfee_9, Dussy_13, DustyMartin_15, Dwayne_7, Dynamix_13, DyoEdafos_6, ELB20_06, Eagle_11, Eaglepride_13, Eapen_12, Eddasa_8, Edison31_12, Edtherson_13, Edugator_6, Efra2_9, Eileen_3, Ejemplo_7, Ekdilam_6, ElGato_8, Elezi_3, Ellie_6, Ellson_6, Emaanora_9, Emerson_9, EmiRose_3, Emmaloid_4, Emotion_3, Enby_4, Enceladus_5, EniyanLRS_24, Enkosi_5, EnochSoames_8, EnzoK_13, EpicPhail_14, Eponine_10, Eraser_3, Erik_9, Eris_12, Eros_12, Esperer_7, Espica_9, Espresso_12, Estes_20, EtoileNova_13, Euphoria_12, Eurydice_12, EvePickles_4, Ewald_6, Exile_3, Eyeball_12, Faith1_5, Faja_4, Fajezeel_14, Farber_14, Farewell_3, FarmResident_5, Fascinus_11, Fefferhead_8, Fenn_13, Fernando_14, Feyre_7, Finemlucis_5, Finnry_6, Fionnbharth_10, FiveHead_3, Flathead_4, Floof_3, Florean_12, Flutur_3, Flux_12, FlyCatcher_16, Footloose_3, Forester_7, Forsytheast_11, FosterFrank_3, Francis47_12, Frankie_4, FreakyGoo_16, Froghopper_13, Fryberger_35,

Funston_12, Fushigi_13, GMA4_3, GMonster_11, Gabriela_5, Gachnar_12, Gadost_12, GageAP_14, Gambol_3, Gandalf20_13, Ganymede_9, Gardann_5, GardenSalsa_19, GardenState_3, Gemma_14, GenevaB15_19, Gengar_7, Geraldini_9, GingkoMaracino_14, Giorgio_3, Girafales_4, GirlDinner_7, Glaske16_16, Globfish_4, GlobiWarming_3, Goby_7, Godpower_8, Gollum_9, Gompeii16_12, Goose_12, Gorpy_4, Graduation_14, GrecoEtereo_13, GreenWeasel_9, Greg_14, Gretchen_3, Grif_14, GroundGoblin_13, Groupthink_15, Grub_14, Grum1_14, GtownJaz_14, Guanica15_9, Guey18_40, Guillsminger_7, GumGum_4, Gumpizza_3, GuuelaD_5, Gwendoluna_14, Gwennie_13, Gyzlar_14, HINdeR_12, Hafay_5, Haizum_7, Halena_5, Halsey_3, HamSlice_11, Hami1_14, Hammy_8, HanShotFirst_12, Hank144_8, Happiness_12, Harlequin_9, HarryOW_13, HashRod_15, HaveUMetTed_15, HedwigODU_9, Heftyboy_7, Hegedechwinu_4, Heliosoles_14, Henrique_3, Hercules11_14, Hermia_14, HermioneGrange_13, Hestia_3, Hillester_4, Hippo_7, Hiro_9, Holli_12, Homines_12, Homura_9, Honk_3, Hookmount_13, Hope4ever_12, HotPotato_3, Houdini22_12, Hum25_3, Hurricane_8, Huxley_12, Hydra_9, Hyperbowlee_9, IAmGroot_3, ICleared_12, ILeeKay_14, IPhane7_15, IUFootball_3, Ibantik_69, Iceman_12, Ichabod_13, IgnatiusPatJac_11, Illumine_9, Indigo_7, Inky_9, InvictusManeo_7, Inyanga_11, Iqorha_11, Iracema64_12, Isolde_4, Issmi_8, Iter_3, Itos_5, IttyBittyPiggy_3, Itza_7, Izel_16, Izzy_8, JAWS_9, JC27_14, JF1_10, JHC117_14, JackSparrow_13, JakeTheSnake_4, JalFarm20_4, Janeemi_4, Janus_8, Jarvi_9, Jash_8, JasmineDragon_3, Jasper_13, Jayhawk_9, Jaykayelowell_12, Jeckyll_9, JellyBread_4, JenCasNa_14, JeppNRM_15, Jerm2_13, Jester_9, JetBlade_12, Jevington_9, Jhitchelle_6, Job42_4, Jobu08_14, Jobypre_6, JoeDirt_5, Joemato_3, JohnDoe_3, JohnThicc_3, JoongJeon_12, Jorgensen_12, Joy99_9, Jstan_3, Jubie_6, Judy_3, Juice456_4, Juicebox_4, JuliaChild_14, Juliette_10, JuneStar_3, KADY_15, KBG_13, KFPOly_12, KSSJEB_12, Kabloowy_4, Kahlid_5, Kaine_7, Kalb97_15, Kalimba_3, Kalnoky_15, Kampy_12, Kanely_13, Karkharias_3, Katalie136_12, Katalie_8, KayMoney_3, Kaylissa_3, KeAlii_3, Keelan_33, KekoraPapaka_11, Kenmech_15, Keshu_8, KiSi_8, KikiBouba_13, Killigrew_10, Kimberlium_4, Kimona_9, Kingmustik0402_12, Kingsley_4, Kingsolomon_6, KirDoubleO7_4, KittenMittens_11, KleverKiS_15, Koan_12, Koreni_11, Kratark_12, Kratio_6, Kraw_10, Kremtemulon_12, Krishelle_9, Kristoff_13, Kromp_3, Kropertea_5, Krueger_8, Krypton555_6, Kudetre_13, Kumao_14, KyMonks1A_14, Kyee_12, LBerry_14, LHTSCC_12, LadyAstra_3, Lambert1_13, Lamina13_12, Lannister_8, LappelDuVide_12, LarryKay_14, Larva_7, Lasker_4, LastHope_9, LaterM_9, Lavahound_7, Lawnathon_4, LeBron_5, LeBruni_4, LeMond_8, Lea83_8, Lebo14_10, Legacy_7, Lego_3, Lemur_12, LeoAvram_12, Leozinho_4, Lesedi_11, Leston_7, Levia_12, Leviticus_7, Lewan_5, Licorice_14, Liebe_3, Lika_7, LilBib_13, LilDestine_5, LilDirt_6, LilJank_13, LilPharaoh_5, LilhomieP_14, Lilith_14, Lillie_9, LilyBell_3, LindNT_9, LittleB_12, LittleGuy_12, LittleRon_3, LittleShirley_4, LiyuLake_6, Lizalica_3, Llorens_9, Loadrie_5, LochMonster_12, Lockley_12, Lolly9_6, London_3, Loofah_8, Lopton_13, LordVader_4, Lorde_4, Lorelei_7, Lorenzo_12, Louie6_14, Lowa_14, Lucia_4, LugYA_16, Lumos_6, Lunahalos_9, LunarLander_12, Lunsford_13, Lynnae_5, MAckerman_5, MPlant7149_11, MUWow_3, MaGuCo_3, Mabodamaca_3, MacKat_9, MacnCheese_9, MadMarie_14, Madiba_4, Magnar_12, Magnito_11, Mainiac_14, Makemake_12, MalagasyRose_8, Malinsilva_16, Malthus_10, Manatee_13, Maneekul_7, Manilisa_7, Manu_15, Mapleville_4, MarQuardt_14, Marav_10, Marcell_12, Marchy_11, Marco3_12, Marge_13, Margo_13, Marie_14, Marius_15, MarkPhew_8, Marker_4, Maroc7_11, Marsha_12, Marshawn_10, MaryBeth_12, MaryV_27, MaterMagnus_4, Maureen_3, Maverick_12, Maxo_12, Mayonnaise_12, Mazhar510_12, McGuire_13, McMater_9, McSinger_13, Mdavu_5, MeaningOfLife_9, Medusa_12, MeeZee_12, Megsy_9,

Melvin_12, MetalQZJ_12, Methuselah_14, Meyran_5, Michley_12, Microwolf_14, MidnightRain_4, Miley16_5, MilleFeuille_9, Millski_12, MiniLon_6, MiniMac_6, MiniMommy_3, Miramae_12, Miryou_7, Misha28_4, Misomonster_16, MissDaisy_10, MissSwiss_3, Mitti_10, MkaliMitinis3_5, Mkhusei_13, Molly_13, Monet_14, MoneyMay_14, Montavir_13, Moose_11, Moostard_6, Morpher26_12, Morrow_12, Moss_3, Mova_4, Mozy_4, MrGordo_12, MrMagoo_19, Mryolo_11, MsGreen_6, MuchMore_16, Mudpuppy_3, MulchExplorer_4, Mule_12, Mundrea_12, MurphyJoseph_4, Murucutumbu_9, Museum_14, Mynx_9, Mysterium_3, NEHalo_12, Nabi_7, Naiad_9, Naira_13, Nancinator_9, Nanodon_9, Nanosmite_19, Natosaleda_9, Nebs_12, Neighly_7, Nemo27_12, Nerdos_7, Nergal_6, Nerujay_13, Nesbitt_3, Netyap_5, Neville_13, NewKitty_4, Nhonho_12, Nibb_8, Nicholas_6, Nicholasp3_5, NidoQ_3, Nikao_5, NikkiHotWheels_3, Niklas_9, Niobe_3, Nishikigoi_7, Nitro_3, Niza_14, Noella_13, Noelle_12, Norbert_12, NorthStar_12, Norz_14, NotAPhaseMom_12, November_7, Noxious_13, Nutello_5, Nyceirae_7, Nyilah_3, Nyxis_12, OKCentral2016_12, OKaNui_12, Obama12_12, ObiToo_3, Octobien14_14, OhShagHennessy_5, Ohfah_12, Ohno789_12, OkiRoe_7, Oksu_4, OlanP_14, Oliynyk_8, Ollie_14, Omar_8, OmniCritical_10, Omnicon_7, Oogway_11, Origami_3, Oscar_8, OverPar_5, OwlsT2W_4, Ozzie_7, OzzyJ_8, P28Green_14, PGHhamlin_16, PP_22, PSullivan_14, PYPDinur_5, Pablito_7, PacerPaul_12, Padfoot_9, Padpat_9, Paedore_7, Palestino_12, Panamaxus_13, PandaPo_3, Paola_7, Paolo_9, Papez_14, Paphu_11, Paraselene_11, Pari_13, Parliament_11, Partridge_9, PascalRango_11, Patt_10, PattyP_14, Pavo_8, Pawn_14, Payneful_12, PeaceMeal1_11, Peaches_12, Peanam_9, Peas_3, Peel_9, PegLeg_15, PeggyLeg03_3, Pelly_13, Pembroke_14, Penny1_14, Pepe_13, Percival_3, Peridot_4, Perplexer_12, Perseus_13, Persistence_3, PeterPeter_12, Peterson_15, PetiteSangsue_12, Petp2012_14, Petruchio_12, Phacado_12, PhailMary_8, PhaoMing_2, Pharb_8, Felipe_12, PhelpsODU_8, PherrisBueller_13, Phettuccine_7, Phighter1804_12, PhineBark_11, PhishRPhriends_13, Phishy_6, Phives_4, Philippers_11, Phoebe_14, Phontbonne_12, Phoxy_14, Phrank15_3, Phrank_8, Phrankenstien_9, Phranny_15, PhrostyMug_12, Piatt_9, PinkPlastic_11, Pinto_14, Pipcraft_12, Piper2020_4, Pippin_14, Pisa1_8, Pisa4_8, Pita2_14, Pixelle_3, Pixie_8, Plumbus_4, Pocahontas_13, Pokerus_8, Pollywog_4, Polymorphads_12, Ponzi_44, Poochiewood_5, Poompha_11, Popcicle_13, PotatoSplit_15, Poushou_4, PowerRanger_12, Powerpuff_3, Prithvi_9, ProMouse_11, Provolone_8, Psycho_7, Pucara_3, Puginator_9, Pumbaa_12, Pumpkins_3, Puppet_12, PurpleHaze_14, QTRlifeCrisis_12, Qhanda_10, Quby_5, Quico_4, QuincyRose_8, QuinnKiro_12, R4_7, RER2_2, RGL3_2, Rabbitrun_15, RadFad_4, Raid_12, Rajelicia_12, Ramen_9, Ramsey_4, Rana_7, Rando14_7, Raphaella_4, Rapunzel97_9, Rasputin_9, Reba_15, Rebeuca_13, Red305_6, RedBear_9, Reedo_3, Reindeer_13, Relief_12, Reptar3000_10, ResDef_13, RexFury_9, Rey_19, Rhodalyssa_9, RhynO_13, Rhynn_12, Rialto_4, Richie_4, Richo_9, RidgeCB_12, Ringer_12, RockScotty_3, RockieBear_11, RockyHorror_4, Rohr_13, Romney_12, Ronaldo_38, Roosevelt_12, Rosa24_11, Rose5_5, RoseMarie_15, Rosmarinus_9, Rossetti_5, Rowa_3, Rowdy_15, Rubeus_13, Rufus_13, Ruin_12, Rummer_14, Rumpelstiltskin_5, RunningOnE_65, Ruotula_11, Rusticus_8, Rutherford_14, Ruthiejr_9, STLscum_13, Sabertooth_12, Sabia_14, Sabinator_14, Sabourin_3, Saftant_7, Sagefire_13, Sakai_4, SamScheppers_8, Samty_6, SamuelLPlaqson_9, Samy_6, Sandaddy_11, Sanya_11, SarFire_12, SarahRose_7, Sarma624_4, Sarshaun_5, Sashimi_4, Satrap_4, Scamp_12, Scarlett_8, Schaffner_3, Scowl_13, Seabiscuit_14, Seagreen_4, Seahorse_4, Seanderson_13, SenorClean_12, Sephiroth_14, Severus_11, SgtBeansprout_5, Shadow1_7, Shaka_12, ShakeltOph_3, Shaobing_9, Shapes_15, ShedlockHolmes_8, Sheen_14, SheldonCooper_12, Sheng711_5, ShiaSurprise_9,

ShortQueendom_11, Shukran_4, Shuman_9, Shygu2_12, Sibs6_14, Silverleaf_5, Simpson_3, SimranZ1_4, SirPhilip_8, Skelbel_3, SkiPole_14, Skinny_16, Skipitt_12, Slagathor_13, Slarp_10, Sleepyhead_3, SlimJimmy_14, Slim_4, Slimphazie_9, Smairt_13, Smeagol_13, Snazzy_10, Snek_4, Snenia_6, Snickers_14, Snorlax_7, SoJulia_5, SoSeph_7, SoYo_14, Soap141_5, SoilDragon_14, Solon_12, SonDevVon_3, Soondubu_3, Sooty_3, Sorpresa_12, Soshari_16, South40_8, Sparky_3, Sparxx_12, SpecialK_3, Speedwell_8, SpicyFrank_4, Spike509_14, SpikeBT_14, Spikelee_4, Spino_12, Spock_9, Spooks_50, Sporco_5, SqueakyClean_8, Squee_13, Squirty_4, StCroix_9, Stagni_14, Stap_4, Starceвич_4, Stasia_13, SteMason_11, StepMih_14, StewieG_11, Stink_12, Stinson_9, StrongArm_11, Stuu_3, SuMoo_3, Subaru_3, Success_51, Sudan_7, Sue2_3, Sujidade_8, Sulley_9, Sultana_12, Sumter_11, Sunflower1121_7, SunkenRoot_9, SunsetPointe_7, Sunshine924_11, SuperHands_4, Superstar_9, Swann_9, SwissCheese_12, Switzer_13, Swole_14, Syleon_14, Syra333_8, TBond007_8, TClif_8, TWAMP_9, Tachez_9, TagePhighter_8, Tailonex_10, TaiwanKao_9, Takoda_9, Tallboi_3, Taquarus_12, Taquito_8, Tasp14_13, Taurus_14, Tbone_3, Tchotchke_4, Teejan_5, Tefunt_7, Teodoridan_10, Texage_12, TforTroy_3, Thanksgivingkah_12, ThayneTheZag_4, TheloniousMonk_14, Thestral_8, Thor_12, ThursdayNight_3, Thyatira_7, Tian_3, Tierra_8, Tiff81_4, Tiffany_14, Tigress9_8, Timshel_13, TinaBelcher_7, TinaFeyge_12, TingHuaYa_9, TiniBug_9, TinyPebbles_14, Tinybot_11, Tiri_9, TiroTheta9_12, Todacoro_13, Toma_7, TootsiePop_4, Tootsieroll_4, Topanga_12, Topgun_12, Topper_9, Toro_15, Torres_5, Tote_14, Totinger_4, TouchMeNot_4, Tourach_5, TpudiCK_16, Traft412_14, Trax_13, Treddle_14, TreyKay_9, TriFive_6, TripleTrouble_7, Trice_5, Trike_10, Tripl3t_13, Triste_7, Triumph_9, Trouble_12, TroyPia_12, TruffulaTree_9, TrvxScott_6, TuanPN_7, Tuck_4, Turab_3, Turj99_11, Tutumahutu_3, Tweety19_4, Twister_12, Twitch_9, TwoPeat_13, TyDawg_15, TygerBlood_12, Tyson_5, U2_12, UPIE_5, UhSalsa_9, Ulysses_11, UncleRicky_4, Underpass_5, Unicorn_8, Unstoppable_7, Urkel_9, Urza_7, UtzChips_3, VResidence_3, Validus_9, Vanseggelen_10, Veliki_9, Velveteen_4, Verabelle_8, Veracruz_12, Verse_7, Vetrix_5, VieEnRose_7, Violet_11, ViviJ_6, Vix_14, Volt_37, Vopal_4, Vordorf_5, VroomVroom_3, WalterMcMickey_12, Wamburgxpress_5, Wander_12, Warda_3, Waterfoul_7, Watermelon_14, Watson_14, Werner_7, Whatever_7, Wheeler_12, Whirlwind_7, Wigglewiggles_5, Wilbur_12, Wildcat_27, Wilder_5, Wildwest_4, Wile_12, Wilkins_12, Windest_4, Winky_5, Wintermute_10, Wizard007_12, Wooldri_16, Wyatt2_5, Xena_12, Ximenita_9, Y10_10, Y2_10, Yang_3, Yasdn1l_7, YasnayaPolyana_10, YesChef_3, YoSam321_12, Yogi_9, Yoncess_9, Yosif_8, YoungHarleezy_4, YoureAdopted_8, Yuna_9, Yunkel11_9, Zabiza_9, Zainub_9, Zakai_5, ZamZam_7, Zaria_5, Zavala_9, Zeeculate_11, Zemlya_8, Zephyr_12, Zeta1847_3, Zetzy_13, Zeuska_13, ZhongYanYuan_4, Ziko_38, ZoeJ_5, phiCAM_07, phiHau3_9, phiSASD1_23,

Summary by start number:

Start 29:

- Found in 175 of 1712 (10.2%) of genes in pham
- Manual Annotations of this start: 30 of 1480
- Called 17.1% of time when present
- Phage (with cluster) where this start called: Applecrisp_7 (K6), Bern_9 (K1), Boiii_9 (K1), Clipper_9 (K1), Curiosium_10 (K1), Devera_9 (K1), Durfee_9 (K1), Enkosi_5 (K1), Eponine_10 (K4), Illumine_9 (K1), JF1_10 (K4), Jeckyll_9 (K1), Lebo14_10 (K4), LindNT_9 (K1), MacKat_9 (K1), Mynx_9 (K1), OmniCritical_10 (K4), Padpat_9 (K1), Pokerus_8 (K1), QuincyRose_8 (K1), Reptar3000_10 (K4), Rosmarinus_9 (K1),

ShiaSurprise_9 (K1), SirPhilip_8 (K6), TClif_8 (K6), TiniBug_9 (K1), Topper_9 (K1), TribbleTrouble_7 (K3), TruffulaTree_9 (K1), Validus_9 (K1),

Start 30:

- Found in 37 of 1712 (2.2%) of genes in pham
- Manual Annotations of this start: 28 of 1480
- Called 83.8% of time when present
- Phage (with cluster) where this start called: Aminay_7 (K7), Bobquesha_10 (K4), BoostSeason_5 (K2), Chancellor_10 (K4), Cheetobro_10 (K4), DanSyl44_10 (K4), DismalFunk_5 (K2), DismalStressor_5 (K2), Doughnut_5 (K2), Findley_5 (K2), Fionnbharth_10 (K4), Juliette_10 (K4), Kraw_10 (K4), Malthus_10 (K4), Marcoliusprime_5 (K2), Milly_5 (K2), MissDaisy_10 (K4), Mitti_10 (K4), Mufasa_5 (K2), Patt_10 (K4), Qhanda_10 (K4), Ruthiejr_9 (K4), SamScheppers_8 (K4), Slarp_10 (K4), Strobilo_5 (K2), TM4_5 (K2), Taquito_8 (K4), Wintermute_10 (K4), Y10_10 (K4), Y2_10 (K4), ZoeJ_5 (K2),

Start 31:

- Found in 1 of 1712 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1480
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Boilgate_6 (K8),

Start 32:

- Found in 182 of 1712 (10.6%) of genes in pham
- Manual Annotations of this start: 139 of 1480
- Called 86.3% of time when present
- Phage (with cluster) where this start called: ActinUp_9 (K1), Adephagia_9 (K1), Adonis_9 (K1), Agent47_7 (K5), Ageofdapage_9 (K1), AlishaPH_9 (K1), AlleyCat_7 (K5), Amelie_5 (K1), Amgine_7 (K6), Amohnition_8 (K6), Anaya_10 (K1), Angelica_9 (K1), Anma_9 (K1), Apocalypse_9 (K1), Asayake_9 (K1), Atiba_9 (K1), BEEST_9 (K1), BGlluviae_9 (K1), BaghaKamala_9 (K1), BananenDer11_7 (K5), BarrelRoll_9 (K1), Beezoo_9 (K1), Bella96_9 (K1), Belladonna_9 (K1), Binglebops_5 (K1), Blizzard_9 (K1), Bryler_8 (K6), CREW_9 (K1), Cain_8 (K6), CallaLilly_9 (K1), Capricorn_9 (K1), CaseJules_9 (K1), Chavito_9 (K1), CheetoDust_9 (K1), Chris_8 (K1), Collard_7 (K5), CrimD_9 (K1), Dadosky_7 (K5), Dalmuri_9 (K1), DartGoblin_9 (K1), DARTH_8 (K6), Dartin_9 (K1), Deby_9 (K1), Dole_9 (K1), DoubleChamp_7 (K5), DrHayes_9 (K1), Edugator_6 (K5), Efra2_9 (K1), Ekdilam_6 (K6), Ellie_6 (K6), Emerson_9 (K1), Fefferhead_8 (K6), Feyre_7 (K5), Ganymede_9 (K1), Gengar_7 (K5), Geraldini_9 (K1), Guanica15_9 (K1), Guillsminger_7 (K5), Hammy_8 (K6), HedwigODU_9 (K1), Heftyboy_7 (K5), Homura_9 (K1), Hurricane_8 (K3), Hyperbowlee_9 (K1), Inky_9 (K1), InvictusManeo_7 (K5), JAWS_9 (K1), Jarvi_9 (K1), Jayhawk_9 (K1), Joy99_9 (K1), Keshu_8 (K3), KiSi_8 (K1), Kratio_6 (K5), Krueger_8 (K6), Larva_7 (K5), LastHope_9 (K1), LaterM_9 (K1), Lavahound_7 (K6), LeMond_8 (K1), Lea83_8 (K3), Leston_7 (K5), LilDirt_6 (K5), LilPharaoh_5 (K1), Llorens_9 (K1), Lunahalos_9 (K1), MacnCheese_9 (K3), MarkPhew_8 (K1), Marshawn_10 (K6), McMater_9 (K1), Mdavu_5 (K1), MeaningOfLife_9 (K1), Megsy_9 (K1), Miryou_7 (K5), Murucutumbu_9 (K1), Neighly_7 (K3), Nibb_8 (K1), Nikao_5 (K1), Niklas_9 (K1), November_7 (K6), Nutello_5 (K1), OkiRoe_7 (K5), Omnicron_7 (K5), Oscar_8 (K1), Padfoot_9 (K1), Paola_7 (K5), Peanam_9 (K1), Peel_9 (K1), Pharb_8 (K3), PhelpsODU_8 (K6), Phrank_8 (K6), Piatt_9 (K1), Pisa1_8 (K1), Pisa4_8 (K1), Pixie_8 (K3), Prithvi_9 (K1), Psycho_7 (K5), Ramen_9 (K1), Rando14_7 (K5), Rapunzel97_9 (K1), Richo_9 (K1), SamuelLPlaqson_9 (K1), Scarlett_8 (K1), SgtBeansprout_5 (K1), Shadow1_7 (K6), Shaobing_9 (K1), ShedlockHolmes_8 (K3), Slimphazie_9 (K1),

SoSeph_7 (K5), Spock_9 (K1), Stinson_9 (K1), Sulley_9 (K1), Sunflower1121_7 (K6), Syra333_8 (K6), TBond007_8 (K3), Tachez_9 (K1), TaiwanKao_9 (K1), Teejan_5 (K1), Thyatira_7 (K5), Tierra_8 (K6), Tigress9_8 (K6), TingHuaYa_9 (K1), Tiri_9 (K1), Torres_5 (K1), TreyKay_9 (K1), Trice_5 (K1), Twitch_9 (K1), Unicorn_8 (K6), Urkel_9 (K1), Veliki_9 (K1), ViviJ_6 (K5), Waterfoul_7 (K5), Ximenita_9 (K6), YoureAdopted_8 (K1), Yuna_9 (K6), Yunkel11_9 (K1), Zabiza_9 (K1), Zavala_9 (K1),

Start 35:

- Found in 28 of 1712 (1.6%) of genes in pham
- Manual Annotations of this start: 23 of 1480
- Called 92.9% of time when present
- Phage (with cluster) where this start called: Auspice_15 (M1), Aziz_19 (M2), Bongo_15 (M1), Bricole_15 (M1), Diminimus_16 (M1), Dulcita_16 (M1), Estes_20 (M2), FreakyGoo_16 (M1), GardenSalsa_19 (M2), GenevaB15_19 (M2), Glaske16_16 (M1), IPhane7_15 (M1), Izel_16 (M1), KleverKiS_15 (M1), Kumao_14 (singleton), LilhomieP_14 (M1), MrMagoo_19 (M2), Nanosmite_19 (M3), PegLeg_15 (M1), Reindeer_13 (M1), Rey_19 (M2), RoseMarie_15 (M1), Skinny_16 (M1), SlimJimmy_14 (M1), TpudiCK_16 (M1), TyDawg_15 (M1),

Start 39:

- Found in 26 of 1712 (1.5%) of genes in pham
- Manual Annotations of this start: 1 of 1480
- Called 3.8% of time when present
- Phage (with cluster) where this start called: YasnayaPolyana_10 (K4),

Start 40:

- Found in 8 of 1712 (0.5%) of genes in pham
- Manual Annotations of this start: 7 of 1480
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Kudrefre_13 (DU1), LilJank_13 (DU2), Neville_13 (DU2), Octobien14_14 (DU1), Rabbitrun_15 (DU2), Sephiroth_14 (DU1), Syleon_14 (DU1), Trax_13 (DU2),

Start 45:

- Found in 1 of 1712 (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: PhaoMing_2 (UNK),

Start 50:

- Found in 239 of 1712 (14.0%) of genes in pham
- Manual Annotations of this start: 1 of 1480
- Called 0.4% of time when present
- Phage (with cluster) where this start called: Ibantik_69 (singleton),

Start 53:

- Found in 1 of 1712 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1480
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Samy_6 (singleton),

Start 54:

- Found in 2 of 1712 (0.1%) of genes in pham

- Manual Annotations of this start: 2 of 1480
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aegeus_5 (L5), Baudelaire_5 (L5),

Start 57:

- Found in 4 of 1712 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 1480
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Ponzi_44 (singleton), RunningOnE_65 (UNK),

Start 58:

- Found in 324 of 1712 (18.9%) of genes in pham
- Manual Annotations of this start: 296 of 1480
- Called 97.8% of time when present
- Phage (with cluster) where this start called: ACFishhook_14 (A3), AbbysRanger_12 (A4), Abdiel_12 (A4), Achebe_12 (A4), Aglet_14 (A3), AgronaGT15_14 (A3), Alatin_9 (CA), Albee_12 (A4), Alberto7_13 (A4), Alpacos_8 (CA), AngryOrchard_8 (CA), Annyong_12 (A4), Anubis_16 (A3), AppleCloud_7 (CA), Arturo_11 (A4), AugsMagnumOpus_16 (A3), AvatarAhPeg_12 (A4), Avle17_12 (A4), Baby16_12 (A4), BabyRay_12 (A3), Backyardigan_12 (A4), Badger_12 (A4), BangNhom_11 (A4), Bartimeaus_12 (A4), Beauxregard13_14 (A3), Belenaria_9 (CA), BellusTerra_12 (A4), Bigflo_14 (A3), Blackmoor_12 (A4), BobbyDazzler_9 (CA), Bombshell_12 (A4), Bonanza_9 (CA), Bradshaw_9 (CA), BreSam8_14 (A3), Broseidon_12 (A4), Bruiser_12 (A4), Bryce_9 (CA), BubbleTrouble_12 (A4), Bumblebee11_12 (A4), Burger_11 (A4), BuzzBuzz_13 (A3), Bxz2_14 (A3), Caelakin_12 (A4), Calvinny_15 (A3), Camperdownii_11 (A4), Caviar_13 (A3), CentreCat_12 (A4), Cerulean_12 (A4), ChampagnePapi_12 (A4), Chaph_12 (A4), Chupacabra_12 (A10), Cici_12 (A4), Cindaradix_11 (A4), Cintron_12 (A4), Citius_12 (A4), Clarenza_12 (A4), ClownCar_15 (A3), Cocoaberry_12 (A4), Colbster_14 (A3), Commander_12 (A4), Connomayer_12 (A4), CosmicSans_9 (CA), Croquant_15 (A3), Cullens_14 (A3), DaHudson_14 (A3), Daishi_13 (A3), Datway_12 (A4), Deano_12 (A4), Dhanush_12 (A4), Dieselweasel_14 (A3), Dinger_9 (CA), DirtyDunning_12 (A4), DontArgue_11 (A10), Drake94_11 (A10), DroogsArmy_13 (A7), Druantia_12 (A4), DustyMartin_15 (A10), Eagle_11 (A4), Eaglepride_13 (A10), Eapen_12 (A4), Edison31_12 (A10), EpicPhail_14 (A3), Erik_9 (CA), Eris_12 (A4), Eros_12 (A4), Espica_9 (CA), EtoileNova_13 (A3), Eurydice_12 (A4), Farber_14 (A3), Fernando_14 (A3), Florean_12 (A4), Flux_12 (A4), FlyCatcher_16 (A7), Funston_12 (A4), Gadost_12 (A4), Gemma_14 (A3), GingkoMaracino_14 (A3), Gollum_9 (CA), Goose_12 (A10), Grif_14 (A3), Groupthink_15 (A3), Grub_14 (A3), Grum1_14 (A3), GtownJaz_14 (A3), Gwennie_13 (A3), HINdeR_12 (A7), HamSlice_11 (A4), Happiness_12 (A4), Harlequin_9 (CA), HashRod_15 (A3), HaveUMetTed_15 (A3), Heliosoles_14 (A3), Hercules11_14 (A3), Hiro_9 (CA), Holli_12 (A4), Hookmount_13 (A3), Houdini22_12 (A4), Huxley_12 (A4), ICleared_12 (A4), Iceman_12 (A4), Iracema64_12 (A4), JHC117_14 (A3), Jaykayelowell_12 (A4), JenCasNa_14 (A3), JeppNRM_15 (A3), Jester_9 (CA), JetBlade_12 (A4), Jobu08_14 (A3), JoongJeon_12 (A4), KADY_15 (A3), KFPoly_12 (A4), Kalb97_15 (A3), Kalnoky_15 (A3), Kampy_12 (A4), Katalie136_12 (A4), KekoraPapaka_11 (A4), Kimona_9 (A19), Kingmustik0402_12 (A4), KittenMittens_11 (A10), Koan_12 (A4), Koreni_11 (A4), Kratark_12 (A4), Kremtemulon_12 (A4), Krishelle_9 (CA), Kristoff_13 (A10), Kyee_12 (A4), LBerry_14 (A3), LHTSCC_12 (A4), Lambert1_13 (A3), LappelDuVide_12 (A4), LarryKay_14 (A3), Lemur_12 (A4), LeoAvram_12 (A4), Lilith_14 (A3), Lillie_9 (CA), LittleB_12 (A4), LittleGuy_12 (A4), LochMonster_12 (A4), Lorenzo_12 (A4), Louie6_14 (A3), Lowa_14

(A3), LugYA_16 (A3), Lunsford_13 (A4), MadMarie_14 (A3), Mainiac_14 (A3), Malinsilva_16 (A3), Manu_15 (A3), MarQuardt_14 (A3), Margo_13 (A3), Marie_14 (A3), Marius_15 (A3), Maverick_12 (A4), Maxo_12 (A4), Mayonnaise_12 (A4), Mazhar510_12 (A4), Medusa_12 (A4), MeeZee_12 (A4), Melvin_12 (A4), Methuselah_14 (A3), Microwolf_14 (A3), Millski_12 (A4), Miramae_12 (A4), Misomonster_16 (A3), MoneyMay_14 (A3), Montavir_13 (A3), Morpher26_12 (A4), Morrow_12 (A4), MuchMore_16 (A3), Mundrea_12 (A4), Naiad_9 (CA), Nancinator_9 (CA), Natosaleda_9 (CA), Nebs_12 (A4), Nemo27_12 (A4), Noella_13 (A3), Noelle_12 (A4), Norbert_12 (A3), NorthStar_12 (A4), NotAPhaseMom_12 (A4), Nyxis_12 (A4), OKCentral2016_12 (A10), OKaNui_12 (A4), Obama12_12 (A4), Ohfah_12 (A4), OlanP_14 (A3), Ollie_14 (A3), P28Green_14 (A3), PGHhamlin_16 (A3), PP_22 (A7), Palestino_12 (A4), Panamaxus_13 (A3), Partridge_9 (CA), Pawn_14 (A3), PeaceMeal1_11 (A10), Peaches_12 (A4), Pembroke_14 (A3), Penny1_14 (A3), Perplexer_12 (A4), PeterPeter_12 (A4), PetiteSangsue_12 (A4), Phacado_12 (A4), PhailMary_8 (CA), Phelipe_12 (A4), Phighter1804_12 (A4), PhishRPhriends_13 (A3), Phoebe_14 (A3), Phontbonne_12 (A4), Phoxy_14 (A3), Phrankenstien_9 (CA), Phranny_15 (A3), Pipcraft_12 (A4), Pocahontas_13 (A3), Polymorphads_12 (A4), Poompha_11 (A10), Popcicle_13 (A3), PotatoSplit_15 (A3), Pumbaa_12 (A4), PurpleHaze_14 (A3), QuinnKiro_12 (A3), RER2_2 (CA), RGL3_2 (CA), Rasputin_9 (CA), Reba_15 (A3), Rebeuca_13 (A10), Relief_12 (A4), ResDef_13 (A3), RexFury_9 (CA), Rhodalyssa_9 (CA), RhynO_13 (A10), RockieBear_11 (A4), Romney_12 (A4), Roosevelt_12 (A4), Rosa24_11 (A4), Rowdy_15 (A10), Ruin_12 (A4), Rummer_14 (A3), Sabertooth_12 (A4), Sabia_14 (A3), Scamp_12 (A4), SenorClean_12 (A4), Severus_11 (A10), Shaka_12 (A4), Shapes_15 (A10), Sheen_14 (A7), SheldonCooper_12 (A4), Shuman_9 (CA), Shygu2_12 (A4), Skipitt_12 (A4), Snickers_14 (A3), SoYo_14 (A3), SoilDragon_14 (A3), Soshari_16 (A3), Sparxx_12 (A4), Spike509_14 (A3), Spino_12 (A4), StCroix_9 (CA), Stagni_14 (A3), Stasia_13 (A4), SteMason_11 (A4), Stink_12 (A4), Sultana_12 (A4), Swann_9 (CA), TWAMP_9 (CA), Takoda_9 (CA), Taquarus_12 (A4), Taurus_14 (A3), Texage_12 (A3), Thanksgivukkah_12 (A4), Tiffany_14 (A3), Timshel_13 (A7), TinaFeyge_12 (A4), TinyPebbles_14 (A3), Tinybot_11 (A4), TiroTheta9_12 (A4), Todacoro_13 (A3), Topanga_12 (A10), Toro_15 (A7), Trike_10 (A10), TroyPia_12 (A4), Twister_12 (A10), TygerBlood_12 (A4), UhSalsa_9 (CA), Ulysses_11 (A4), Veracruz_12 (A3), Vix_14 (A3), WalterMcMickey_12 (A10), Wander_12 (A4), Watson_14 (A3), Wilbur_12 (A4), Wile_12 (A4), Wizard007_12 (A4), Wooldri_16 (A3), Xena_12 (A4), YoSam321_12 (A4), Yogi_9 (CA), Yoncess_9 (CA), Zetzy_13 (A3),

Start 59:

- Found in 397 of 1712 (23.2%) of genes in pham
- Manual Annotations of this start: 322 of 1480
- Called 96.7% of time when present
- Phage (with cluster) where this start called: 20ES_13 (A2), 40AC_16 (A17), AN3_13 (A2), AN9_16 (A2), ANI8_16 (A2), AbbyPaige_15 (A2), Acolyte_13 (A2), Adzzy_14 (A2), Agape74_15 (A2), AgentM_10 (A5), Airmid_10 (A5), Aliter_14 (A9), Alma_14 (A9), Anaysia_15 (A15), Aneem_13 (A11), AnnaL29_16 (A2), Anon_13 (A15), Anselm_13 (A2), Anthony_12 (A20), Aragog_10 (A5), ArcherNM_15 (A2), Archetta_10 (A5), Arissanae_12 (A9), Artemis2UCLA_16 (A6), Astro_10 (A8), Ayanochan_15 (A9), B1_10 (A3), BABullseye_16 (A6), BabyBack_15 (A2), BabyJohn_11 (A3), Bachome_13 (A11), Bactobuster_14 (A2), Baehexic_14 (A2), Battleship_16 (A15), Beemo_14 (A9), Bellris_11 (A9), Benedict_10 (A5), BengiVuitton_14 (A2), BennyP_16 (A6), Benvolio_13 (A2), BiancaTri92_15 (A2), BillKnuckles_13 (A1), BlessJoy_16 (A6), Blinn1_16 (A6), Blue7_16 (A6), BlueBird_13 (A3), Bluefalcon_9 (A5), BobSwaget_16 (A2), BogosyJay_14 (A9), Bonamassa_10

(A5), Boohoo_15 (A15), Bowtie_13 (A11), Bradman_12 (A2), Bud_13 (A11), Bugatti_12 (A3), Buggy_15 (A2), Bxb1_11 (A1), C3_11 (A2), CRB1_13 (A2), Caitlin_9 (A8), Candra_16 (A6), Caraxes_12 (A2), Catalina_14 (A9), CelestialLunch_13 (A9), Centaur_15 (A2), Chadwick_11 (A5), Changeling_16 (A2), Chargerpower_13 (A22), Charm_13 (A9), Chartreuse_16 (A6), Che12_14 (A2), ChipMunk_15 (A2), Chiqui_11 (A3), Clammy_12 (A3), CloudWang3_16 (A6), CogOmlette_11 (A9), Colin_17 (A2), Conquerage_14 (A9), Conspiracy_10 (A5), Coog_10 (A5), Cookiedough_16 (A6), Crucio_13 (A2), Cuco_10 (A5), D29_14 (A2), D32_16 (A2), DBQu4n_16 (A2), DaVinci_16 (A6), Dalmatian_13 (A2), Danforth_9 (A8), Darrell_15 (A9), DarthPhader_14 (A12), DeerParkTS_14 (A2), DekHockey33_15 (A15), Deloris_14 (A2), Dignity_15 (A2), Discoknowium_10 (A5), Dixon_10 (A8), Dorothea_16 (A6), Drake55_15 (A2), DreamTeam1_13 (A9), DropBear_12 (A3), Dublin_9 (A5), DudeLittle_13 (A2), Duplo_16 (A2), EZMoney23_17 (A2), EagleEye_15 (A16), Ebony_13 (A11), Echid_13 (A2), EdogawaKiddo_12 (A9), Eidsmoe_14 (A9), ElTiger69_10 (A5), Elephantoon_14 (A9), Elle_13 (A15), EmyBug_14 (A9), Epsocamisio_15 (A15), Equemioh13_15 (A2), EricB_16 (A6), Et2Brutus_12 (A11), EvilGenius_15 (A2), Expelliarmus_9 (A8), ExplosioNervosa_14 (A9), Fameo_13 (A2), FatCactus_11 (A20), Fayely_14 (A9), Fibonacci_13 (A11), FiringLine_13 (A2), First_0013 (A2), Flare16_13 (A2), Flaverint_13 (A11), Florence1_10 (A5), Florence4_11 (A5), ForGetIt_10 (A5), ForesterFrank_14 (A2), Fred313_12 (A3), Gail_12 (A14), Garak_17 (A6), GaugeLDP_15 (A2), George_9 (A5), Georgie2_14 (A2), Ghoulyboy_10 (A5), Gilberta_13 (A11), Giroux_13 (A3), Gladiator_16 (A6), Gratitude_14 (A2), GreedyLawyer_16 (A6), Groundhog_9 (A8), Gruunaga_16 (A6), Hammer_16 (A6), Hanray_13 (A9), HarryHoudini_15 (A2), Heathen_12 (A3), Heffalump_15 (A2), HelDan_12 (A3), Helmet_16 (A6), Herbertwm_11 (A2), Hexamo_16 (A6), HippoHollow_14 (A2), Horex_13 (A9), Hoot_16 (A6), HortumSL17_14 (A9), HuhtaEnerson15_10 (A5), Hutc2_13 (A11), Idleandcovert_12 (A3), Indra_16 (A6), Insomnia_13 (A11), IronMan_15 (A2), Isca_12 (A3), Isiphiwo_16 (A6), Iwokeuplikenedis_13 (A2), JF2_12 (A3), JF4_12 (A3), JSwag_15 (A15), Jaan_16 (A2), Jabiru_10 (A5), Jabith_13 (A11), Jeeves_12 (A14), Jeffabunny_16 (A6), Jerm_15 (A2), JewelBug_16 (A6), Jiawan_13 (A9), Jordennis_16 (A6), Joselito_13 (A11), JoshKayV_15 (A2), Journey13_11 (A2), Jovo_10 (A5), Jsquared_12 (A2), Kachowdy_12 (A3), Kalpine_16 (A2), KatherineG_15 (A15), Kazan_16 (A6), Kerberos_16 (A2), Keziacharles14_12 (A9), KingCyrus_15 (A2), Kinmap_12 (A21), Kipper29_16 (A6), Klodlith_13 (A9), Koduck_14 (A2), Koko_16 (A6), Kugel_13 (A1), Kykar_10 (A1), L5_14 (A2), LadyBird_13 (A2), Landor_14 (A2), Larenn_14 (A2), LastResort_15 (A15), Leogania_15 (A2), Lev2_10 (A5), Leviathan_15 (A2), LilTurb_15 (A2), Lilbunny_16 (A6), Lilleskat_12 (A9), LionsBait_14 (A2), LittleCherry_10 (A5), Lokk_16 (A2), LoneWolf_14 (A9), Looper_16 (A15), Loser_16 (A2), Luchador_13 (A14), Lucivia_13 (A11), Lucyedi_14 (A16), MA5_12 (A3), MK4_12 (A3), MaCh_13 (A11), Mabel_13 (A11), MajorMajor_12 (A2), Malec_14 (A2), Maminiaina_14 (A9), Marchesa_12 (A3), MarysWell_9 (A5), McFly_16 (A6), MegTheThird_12 (A9), Micasa_10 (A5), MiculUcigas_13 (A2), Midas2_10 (A5), Miko_16 (A2), Milcery_10 (A5), MinecraftSteve_16 (A15), Minispark_11 (A9), MissWhite_13 (A2), Mulciber_13 (A11), Munch_13 (A11), MyraDee_10 (A18), Myxus_14 (A9), NaSiaTalie_13 (A2), Naca_10 (A5), Naji_16 (A2), NearlyHeadless_10 (A8), Nebulosus_15 (A15), Nedarya_14 (A15), Neeharika16_16 (A6), Newralla_16 (A6), NicoleTera_17 (A2), NothingSpecial_15 (A2), Odin_12 (A2), Onglai_13 (A9), Oofda_15 (A15), Orange_13 (A11), PackMan_14 (A9), PainterBoy_14 (A16), Petersenfast_12 (A11), PetterN_11 (A5), Ph8s_14 (A2), Phaded_16 (A2), Phaeder_14 (A9), Phantastic_12 (A3), Pharaoh_13 (A12), Phillis_10 (A8), Phlei_9 (A13), Phlorence_10 (A5), Phonnegut_14 (A9), PickleBack_10 (A5), Pioneer_14 (A9), Piro94_14 (A2), Pistachio_13 (A3), Pmask_16 (A6),

Polyphemus_16 (A6), Pomar16_16 (A2), Power_13 (A2), Priamo_16 (A6), Prinashe11_11 (A5), Priya_14 (A9), Pukovnik_15 (A2), Puppy_13 (A3), Qobbit_14 (A9), QueenB2_13 (A2), QueenBeesly_13 (A2), Quokka_11 (A2), Rachaly_16 (A2), Rahalelujah_12 (A9), Ravana_16 (A15), ReMo_15 (A15), RedRock_16 (A2), Refuge_16 (A12), Remus_15 (A15), Retro23_13 (A2), Rifter_16 (A6), Roary_10 (A8), Rockstar_12 (A3), Roimos_12 (A3), Roksolana_16 (A6), Rosalind_15 (A15), RyeScarlet_15 (A9), Sachima_12 (A9), Saintus_10 (A8), Salz_13 (A11), Saskia_12 (A11), SaturnRing_12 (A3), Scherzo_14 (A9), Scorpia_11 (A5), Scout_12 (A3), SemperFi_15 (A2), Serenity_12 (A2), Sham4_13 (A11), ShayRa_16 (A15), SheaKeira_13 (A9), Sknot_13 (A2), Smeadley_10 (A8), Smeagan_15 (A2), SmellyB_16 (A6), SnapTap_13 (A2), Snape_13 (A11), SororFago_12 (A14), Soups_15 (A15), Spouty_14 (A9), StarStuff_16 (A2), Steamy_14 (A12), Stephig9_10 (A8), Strosahl_15 (A15), Sunhee_11 (A14), SuperAwesome_16 (A6), SuperCallie99_16 (A6), Superchunk_12 (A2), SweetiePie_13 (A2), SwirlSquare_14 (A2), Swirley_10 (A5), Switzerland_15 (A15), SydNat_10 (A5), TNguyen7_12 (A3), Target_14 (A1), TarsusIV_13 (A2), Tarynearal_9 (A5), Temprado_16 (A6), Terrific_17 (A2), Theia_9 (A5), Tiger_10 (A5), Timothy_13 (A11), TinyTimmy_13 (A11), TipsytheTRex_12 (A2), Toaka_12 (A9), Tomathan_16 (A2), ToneTone_15 (A6), Travvers_16 (A2), Tristan_14 (A2), Trixie_16 (A2), Trooper_13 (A2), Tubs_14 (A9), Tucker_16 (A6), Turbido_15 (A2), Twigg_10 (A5), Ugenie5_11 (A9), UnionJack_10 (A5), Updawg_15 (A2), VA6_13 (A2), VC3_16 (A2), Vanisoa_12 (A9), VohminGhazi_16 (A6), Waits_15 (A15), Warrior24_15 (A15), WeiHuaDA_19 (A2), Whabigail7_15 (A2), Whitspit_13 (A1), WideWale_15 (A2), Wiks_16 (A6), Wolpertinger_12 (A11), WorldCup_11 (A9), WunderPhul_16 (A6), XianYue_13 (A2), Yecey3_13 (A9), Yokurt_16 (A6), Zaka_16 (A6), Zarafa_12 (A3), Zimmer_15 (A12), Zolita_9 (A5), Zulu_16 (A6),

Start 61:

- Found in 85 of 1712 (5.0%) of genes in pham
- Manual Annotations of this start: 69 of 1480
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acquire49_5 (L1), Appletree2_5 (L1), Archie_5 (L2), AvadaKedavra_5 (L1), Baoshan_4 (L2), Bazzle_5 (L2), Bellis_6 (L3), BigCheese_5 (L2), BobsGarage_5 (L2), BourbonZero_5 (L3), Breezona_5 (L2), Calm_5 (L1), CicholasNage_5 (L1), Claus_5 (L2), Clautastrophe_6 (L3), Crossroads_5 (L2), DHan_5 (L2), DanBing_4 (L2), DirkDirk_5 (L1), DrSeegs_5 (L2), DuncansLeg_6 (L3), Ellson_6 (L3), Enceladus_5 (L1), Faith1_5 (L2), Finemlucis_5 (L2), Finnry_6 (L3), Gabriela_5 (L2), Gardann_5 (L2), GuuelaD_5 (L2), Hafay_5 (L2), Halena_5 (L1), Itos_5 (L2), Jobypre_6 (L3), JoeDirt_5 (L1), Jubie_6 (L3), Kahlid_5 (L2), Kingsolomon_6 (L3), KirDoubleO7_4 (L3), Krypton555_6 (L3), LeBron_5 (L1), Lewan_5 (L2), LilDestine_5 (L2), LiyuLake_6 (L3), Loadrie_5 (L2), Lolly9_6 (L3), Lumos_6 (L3), Lynnae_5 (L2), MAckerman_5 (L1), Miley16_5 (L2), MiniLon_6 (L3), MiniMac_6 (L3), MkaliMitinis3_5 (L2), Moostard_6 (L3), MsGreen_6 (L3), Netyap_5 (L2), Nicholas_6 (L3), Nicholasp3_5 (L2), OhShagHennessy_5 (L1), OverPar_5 (L2), Poochiewood_5 (L1), Red305_6 (L3), Rose5_5 (L1), Rossetti_5 (L2), Rumpelstiltskin_5 (L2), Samty_6 (L3), Sarshaun_5 (L2), Silverleaf_5 (L1), Snenia_6 (L3), SoJulia_5 (L2), Soap141_5 (L2), Tourach_5 (L2), TriFive_6 (L3), Tyson_5 (L1), UPIE_5 (L1), Underpass_5 (L2), Vetrix_5 (L2), Wamburggrxpress_5 (L1), Whirlwind_7 (L3), Wigglewiggle_5 (L2), Wilder_5 (L2), Winky_5 (L2), Wyatt2_5 (L1), Zakai_5 (L2), Zaria_5 (L1), ZhongYanYuan_4 (L2),

Start 62:

- Found in 17 of 1712 (1.0%) of genes in pham

- Manual Annotations of this start: 9 of 1480
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Azrael100_26 (V), BrainDrainer_5 (L4), Bromden_5 (L4), Chaser_5 (L4), ChutneyChips_4 (L4), Cosmo_27 (V), Douge_5 (L4), Douzhi_5 (L4), DyoEdafos_6 (L4), EniyanLRS_24 (V), FarmResident_5 (L4), Kropertea_5 (L4), MaryV_27 (V), PYPDinur_5 (L4), Quby_5 (L4), Sheng711_5 (L4), Wildcat_27 (V),

Start 64:

- Found in 7 of 1712 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 1480
- Called 14.3% of time when present
- Phage (with cluster) where this start called: Nergal_6 (AG),

Start 66:

- Found in 17 of 1712 (1.0%) of genes in pham
- Manual Annotations of this start: 4 of 1480
- Called 29.4% of time when present
- Phage (with cluster) where this start called: Bimmel_49 (BT), MalagasyRose_8 (AG), Spooks_50 (BT), Success_51 (BT), Tailonex_10 (singleton),

Start 71:

- Found in 10 of 1712 (0.6%) of genes in pham
- Manual Annotations of this start: 5 of 1480
- Called 60.0% of time when present
- Phage (with cluster) where this start called: Arianna_4 (EO), Colleen_4 (EO), GMA4_3 (singleton), Juicebox_4 (singleton), Poushou_4 (EO), TouchMeNot_4 (EO),

Start 72:

- Found in 133 of 1712 (7.8%) of genes in pham
- Manual Annotations of this start: 15 of 1480
- Called 12.0% of time when present
- Phage (with cluster) where this start called: Caliburn_7 (BD1), Cappuccino_3 (AZ5), DelvinSonDorr_15 (A6), Donkey_3 (AZ5), Farewell_3 (AF), Gambol_3 (AZ5), Kalimba_3 (AZ5), Lorelei_7 (BD1), Maneekul_7 (BD1), Oliynyk_8 (BD1), Reedo_3 (AZ1), Sabourin_3 (AZ5), Snek_4 (AZ3), Sooty_3 (AZ5), Sparky_3 (AF), Tweety19_4 (AZ3),

Start 73:

- Found in 17 of 1712 (1.0%) of genes in pham
- Manual Annotations of this start: 17 of 1480
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ashes_3 (AZ5), Beaupre_3 (AZ5), Cassia_3 (AZ1), Giorgio_3 (AZ5), Gumpizza_3 (AZ5), Halsey_3 (AZ5), IttyBittyPiggy_3 (AZ1), JuneStar_3 (AZ1), Moss_3 (AZ5), Mysterium_3 (AZ5), Pumpkins_3 (AZ1), RockScotty_3 (AZ5), Schaffner_3 (AZ1), SpecialK_3 (AZ5), Stuu_3 (AZ5), TforTroy_3 (AZ1), Yang_3 (AZ1),

Start 74:

- Found in 19 of 1712 (1.1%) of genes in pham
- Manual Annotations of this start: 11 of 1480
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Bridgette_3 (FA), ChuckDuck_3 (FA), Constance_3 (FA), Eileen_3 (FA), FosterFrank_3 (FA), GlobiWarming_3 (FA), Henrique_3 (FA), HotPotato_3 (FA), Judy_3 (FA), Karkharias_3 (FA), KayMoney_3 (FA), LilyBell_3 (FA), LittleRon_3 (FA), NidoQ_3 (FA), NikkiHotWheels_3 (FA), Peas_3 (FA), PeggyLeg03_3 (FA), Pucara_3 (FA), Wildwest_4 (AZ1),

Start 76:

- Found in 78 of 1712 (4.6%) of genes in pham
- Manual Annotations of this start: 57 of 1480
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AEgle_3 (AZ1), AGrandiflora_3 (AZ1), AceofSpades_3 (AZ4), Adolin_3 (AZ1), Adumb2043_3 (AZ1), AinMach_3 (AZ7), Amploria_3 (AZ1), Amyev_3 (AZ1), Asa16_3 (AZ1), Ascela_3 (AZ1), Barnstormer_3 (EH), Berrie_3 (AZ1), Caron_3 (EH), Cen1621_3 (EH), Community_4 (AZ1), Crewmate_4 (AZ1), Cyan_3 (AZ1), DrManhattan_3 (AZ1), DrSierra_3 (AZ1), Elezi_3 (AZ1), Emotion_3 (AZ4), Eraser_3 (AZ1), Exile_3 (AZ6), FiveHead_3 (AZ4), Floof_3 (EH), Flutur_3 (AZ), GardenState_3 (EH), Honk_3 (EH), IAmGroot_3 (EH), IUFootball_3 (AZ2), Iter_3 (AZ1), Janeemi_4 (AZ1), JasmineDragon_3 (AZ4), Joemato_3 (AZ1), JohnDoe_3 (AZ1), JohnThicc_3 (AZ4), Jstan_3 (AZ1), Kaylissa_3 (AZ1), KeAlii_3 (AZ1), LadyAstra_3 (AZ4), Lego_3 (AZ1), Liebe_3 (AZ2), Lizalica_3 (AZ1), London_3 (AZ1), MaGuCo_3 (AZ2), Mabodamaca_3 (EH), Maureen_3 (AZ2), MiniMommy_3 (AZ4), MissSwiss_3 (AZ1), Mudpuppy_3 (AZ1), Niobe_3 (AZ1), Nitro_3 (AZ1), ObiToo_3 (AZ1), Origami_3 (AZ4), PandaPo_3 (AZ1), Phives_4 (AZ1), Pixelle_3 (AZ1), Powerpuff_3 (AZ1), ShakeltOph_3 (AZ4), Simpson_3 (AZ1), Skelbel_3 (AZ1), Soondubu_3 (AZ6), SuMoo_3 (EH), Subaru_3 (AZ1), Sue2_3 (AZ1), Tallboi_3 (AZ1), Tbone_3 (AZ1), ThursdayNight_3 (AZ), Tian_3 (AZ1), Tuck_4 (AZ1), Turab_3 (AZ1), Tutumahutu_3 (AZ1), UtzChips_3 (EH), VResidence_3 (AZ1), VroomVroom_3 (AZ4), Warda_3 (AZ1), YesChef_3 (AZ1), Zeta1847_3 (EH),

Start 77:

- Found in 1 of 1712 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1480
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Attoomi_4 (singleton),

Start 78:

- Found in 70 of 1712 (4.1%) of genes in pham
- Manual Annotations of this start: 61 of 1480
- Called 97.1% of time when present
- Phage (with cluster) where this start called: Alexphander_4 (F1), Aloeri_4 (F1), Awesomesauce_4 (F1), Beakin_4 (F1), Beanstalk_4 (F1), BigPhil_4 (F1), Bobi_4 (F1), Boomer_4 (F1), Brookers_4 (F1), Brushbloom_4 (F1), BuzzLyseyear_4 (F1), Cerasum_4 (F1), ChickenDinner_4 (F1), Coco12_4 (F1), Cornucopia_4 (F1), DS6A_6 (singleton), DaWorst_4 (F1), DirtMcGirt_4 (F1), DocMcStuffins_4 (F1), Doomslug_4 (F), DosHalletts_4 (F1), Drago_4 (F1), Emmaloid_4 (F1), Enby_4 (F1), Flathead_4 (F1), Frankie_4 (F1), Girafales_4 (F1), Hegedechwinu_4 (F1), JalFarm20_4 (F1), Job42_4 (F1), Juice456_4 (F1), Kimberlium_4 (F1), Kingsley_4 (F1), Leozinho_4 (F1), LittleShirley_4 (F1), LordVader_4 (F), Lorde_4 (F1), Lucia_4 (F1), Madiba_4 (F1), Marker_4 (F1), Misha28_4 (F1), Movaa_4 (F1), Mozy_4 (F1), MulchExplorer_4 (F1), Oksu_4 (F1), OwlsT2W_4 (F1), Peridot_4 (F1), Piper2020_4 (F1), Plumbus_4 (F1), Pollywog_4 (F1), Quico_4 (F1), Ramsey_4 (F1), Rialto_4 (F1), RockyHorror_4 (F1), Sarma624_4 (F1), Seagreen_4 (F1), SimranZ1_4 (F1), Slim_4 (F1), Spikelee_4 (F1), Squirty_4 (F3), Stap_4 (F1), Starcevich_4 (F1), Tchotchke_4 (F1),

TootsiePop_4 (F1), Tootsieroll_4 (F1), Totinger_4 (F1), UncleRicky_4 (F1),
Velveteen_4 (F1),

Start 79:

- Found in 1 of 1712 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 1480
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EmiRose_3 (singleton),

Start 80:

- Found in 56 of 1712 (3.3%) of genes in pham
- Manual Annotations of this start: 4 of 1480
- Called 7.1% of time when present
- Phage (with cluster) where this start called: Auxilium_4 (AY), Kromp_3 (singleton),
MUWow_3 (AY), RadFad_4 (AY),

Start 81:

- Found in 68 of 1712 (4.0%) of genes in pham
- Manual Annotations of this start: 1 of 1480
- Called 2.9% of time when present
- Phage (with cluster) where this start called: Dubu_3 (BJ), phiSASD1_23 (BJ),

Start 82:

- Found in 14 of 1712 (0.8%) of genes in pham
- Manual Annotations of this start: 8 of 1480
- Called 57.1% of time when present
- Phage (with cluster) where this start called: Footloose_3 (singleton), Fryberger_35
(DP), Guey18_40 (DP), Hum25_3 (FQ), Keelan_33 (DP), Ronaldo_38 (DP), Volt_37
(DP), Ziko_38 (DP),

Start 83:

- Found in 117 of 1712 (6.8%) of genes in pham
- Manual Annotations of this start: 105 of 1480
- Called 94.9% of time when present
- Phage (with cluster) where this start called: Aaronocolus_7 (BD1), Alsaber_8 (BD3),
Alvy_9 (BD2), Amela_7 (BD3), Amethyst_7 (BD2), Andris_7 (BD2), Animus_8 (BD2),
Asten_7 (BD1), Axiom_8 (BD2), BarryBee_9 (BD1), BartholomewSD_9 (BD2),
BeardedLady_8 (BD1), Bovely_7 (BD1), Bowden_8 (BD2), Brataylor_8 (BD1),
BroPlease_8 (BD4), BryanRecycles_8 (BD1), Caelum_8 (BD2), Celery_9 (BD3),
Celeste_7 (BD1), Celia_7 (BD6), Chucky_7 (BD1), Conan_8 (BD3), Danzina_8
(BD1), Dattran_8 (BD1), Daudau_7 (BD2), Dexers_6 (BD3), Diane_7 (BD2),
Dwayne_7 (BD1), ELB20_06 (BD2), Eddasa_8 (BD1), Ejemplo_7 (BD1), ElGato_8
(BD3), Emaanora_9 (BD1), EnochSoames_8 (BD1), Esperer_7 (BD1), GirlDinner_7
(BD2), Goby_7 (BD1), Godpower_8 (BD1), GreenWeasel_9 (BD4), Haizum_7 (BD2),
Hank144_8 (BD2), Hippo_7 (BD1), Hydra_9 (BD1), Indigo_7 (BD1), Issmi_8 (BD2),
Itza_7 (BD6), Izzy_8 (BD1), Janus_8 (BD2), Jash_8 (BD1), Jevington_9 (BD2),
Jhitchelle_6 (BD3), Kaine_7 (BD3), Katalie_8 (BD1), Lannister_8 (BD1), Legacy_7
(BD1), Leviticus_7 (BD1), Lika_7 (BD1), Loofah_8 (BD2), Marav_10 (BD2), Nabi_7
(BD1), Nanodon_9 (BD1), Nerdos_7 (BD1), Nishikigoi_7 (BD2), Omar_8 (BD2),
Ozzie_7 (BD1), OzzyJ_8 (BD1), Pablito_7 (BD2), Paedore_7 (BD2), Paolo_9 (BD2),
Pavo_8 (BD3), Phettuccine_7 (BD1), Provolone_8 (BD3), Puginator_9 (BD2), R4_7
(BD2), Rana_7 (BD1), RedBear_9 (BD1), Rusticus_8 (BD1), Saftant_7 (BD3),
SarahRose_7 (BD1), Snorlax_7 (BD1), South40_8 (BD1), Speedwell_8 (BD3),

SqueakyClean_8 (BD2), Sudan_7 (BD3), Sujidade_8 (BD1), SunkenRoot_9 (BD3), SunsetPointe_7 (BD1), Superstar_9 (BD2), TagePhigher_8 (BD1), Tefunt_7 (BD2), Thestral_8 (BD2), TinaBelcher_7 (BD2), Toma_7 (BD1), Triste_7 (BD1), Triumph_9 (BD2), TrvxScott_6 (BD2), TuanPN_7 (BD1), Unstoppable_7 (BD1), Urza_7 (BD6), Vanseggelen_10 (BD3), Verabelle_8 (BD3), Verse_7 (BD3), Werner_7 (BD1), Whatever_7 (BD1), Yasdnil_7 (BD1), Yosif_8 (BD3), Zainub_9 (BD2), ZamZam_7 (BD3), Zemlya_8 (BD1), phiHau3_9 (BD4),

Start 84:

- Found in 6 of 1712 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 1480
- Called 50.0% of time when present
- Phage (with cluster) where this start called: AbbeyMikolon_3 (BL), Nesbitt_3 (BL), Rowa_3 (BL),

Start 85:

- Found in 9 of 1712 (0.5%) of genes in pham
- Manual Annotations of this start: 6 of 1480
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BabyMoney_5 (DT), Dogfish_5 (DT), Ewald_6 (DT), Manilisa_7 (DT), Meyran_5 (DT), Nyceirae_7 (DT), Phishy_6 (DT), Sleepyhead_3 (singleton), Vordorf_5 (DT),

Start 88:

- Found in 54 of 1712 (3.2%) of genes in pham
- Manual Annotations of this start: 31 of 1480
- Called 92.6% of time when present
- Phage (with cluster) where this start called: AdaS_4 (AY), Aikyam_4 (AY), Anekin_3 (AY), BasketStar_4 (AY), BenchScraper_4 (AY), Bhageatrice_6 (AY), BillyTP_4 (AY), BlueShadow_4 (AY), CookieBear_4 (AY), CosmicBrownie_3 (AY), Crescenzo_4 (AY), DarwinJr_6 (AY), Ding_4 (AY), EvePickles_4 (AY), Faja_4 (AY), Globfish_4 (AY), Gorpy_4 (AY), GumGum_4 (AY), Hestia_3 (AY), Hillester_4 (AY), Isolde_4 (AY), JakeTheSnake_4 (AY), JellyBread_4 (AY), Kabloowy_4 (AY), Lasker_4 (AY), Lawnathon_4 (AY), LeBruni_4 (AY), Mapleville_4 (AY), MaterMagnus_4 (AY), MidnightRain_4 (AY), MurphyJoseph_4 (AY), NewKitty_4 (AY), Nyilah_3 (AY), Persistence_3 (AY), Phrank15_3 (AY), Raphaella_4 (AY), Richie_4 (AY), Sakai_4 (AY), Sashimi_4 (AY), Satrap_4 (AY), Seahorse_4 (AY), Shukran_4 (AY), SonDevVon_3 (AY), SpicyFrank_4 (AY), Sporco_5 (AY), ThayneTheZag_4 (AY), Tiff81_4 (AY), Vopal_4 (AY), Windest_4 (AY), YoungHarleezy_4 (AY),

Start 89:

- Found in 256 of 1712 (15.0%) of genes in pham
- Manual Annotations of this start: 214 of 1480
- Called 93.4% of time when present
- Phage (with cluster) where this start called: A6_10 (A1), AFIS_12 (A1), Abbyshoes_13 (A1), Abrogate_130 (A1), Acme_14 (A1), Adahisdi_13 (A1), Aeneas_14 (A1), Agaliana_12 (A1), Ajay_12 (A1), Aldrich_13 (A1), Alsfro_16 (A1), Altman_13 (A1), Alvin_13 (A1), Anglerfish_13 (A1), Applejack_12 (A1), Arcanine_13 (A1), Arlo_11 (A1), Ashballer_11 (A1), Atkinbua_13 (A1), BK1_10 (A1), BPBiebs31_13 (A1), BaconJack_14 (A1), Barriga_12 (A1), BarrowTuph_11 (A1), Beatrix_11 (A1), BeesKnees_13 (A1), Bethlehem_12 (A1), Bexan_11 (A1), Big3_12 (A1), BigMau_14 (A1), BigPaolini_13 (A1), Bigchungi_12 (A1), Bigfoot_11 (A1), Bircsak_12 (A1), Blackflame_12 (A1), Blesser_12 (A1), BluSpix_12 (A1), Blue_12

(A1), Bob3_11 (A1), Bones_12 (A1), Briton15_14 (A1), Bruns_11 (A1), Burton_13 (A1), Buttons_13 (A1), CactusRose_11 (A1), Carlyle_14 (A1), CartmannCramer_12 (A1), CatBus_13 (A1), Chanagan_11 (A1), ChristmasHams_12 (A1), Ciao_12 (A1), ConceptII_12 (A1), Corvo_12 (A1), Crispicious1_11 (A1), Cueylyss_12 (A1), DD5_13 (A1), Dexes_13 (A1), DirtDevil_13 (A1), Doom_12 (A1), DrFeelGood_11 (A1), DreamCatcher_15 (A1), Dreamboat_13 (A1), Dulcie_11 (A1), Dussy_13 (A1), Dynamix_13 (A1), Edtherson_13 (A1), EnzoK_13 (A1), Espresso_12 (A1), Euphoria_12 (A1), Eyeball_12 (A1), Fajezeel_14 (A1), Fascinus_11 (A1), Fenn_13 (A1), Forsytheast_11 (A1), Francis47_12 (A1), Froghopper_13 (A1), Fushigi_13 (A1), GMonster_11 (A1), Gachnar_12 (A1), GageAP_14 (A1), Gandalf20_13 (A1), Gompeii16_12 (A1), Graduation_14 (A1), GrecoEtereo_13 (A1), Greg_14 (A1), GroundGoblin_13 (A1), Gwendoluna_14 (A1), Gyzlar_14 (A1), Hami1_14 (A1), HanShotFirst_12 (A1), HarryOW_13 (A1), Hermia_14 (A1), HermioneGrange_13 (A1), Homines_12 (A1), Hope4ever_12 (A1), ILeeKay_14 (A1), Ichabod_13 (A1), IgnatiusPatJac_11 (A1), Inyanga_11 (A1), Iqorha_11 (A1), JC27_14 (A1), JackSparrow_13 (A1), Jasper_13 (A1), Jerm2_13 (A1), Jorgensen_12 (A1), JuliaChild_14 (A1), KBG_13 (A1), KSSJEB_12 (A1), Kanely_13 (A1), Kenmech_15 (A1), KikiBouba_13 (A1), Killigrew_10 (A1), KyMonks1A_14 (A1), Lamina13_12 (A1), Lesedi_11 (A1), Levia_12 (A1), Licorice_14 (A1), LilBib_13 (A1), Lockley_12 (A1), Lopton_13 (A1), LunarLander_12 (A1), MPlant7149_11 (A1), Magnar_12 (A1), Magnito_11 (A1), Makemake_12 (A1), Manatee_13 (A1), Marcell_12 (A1), Marchy_11 (A1), Marco3_12 (A1), Marge_13 (A1), Maroc7_11 (A1), Marsha_12 (A1), MaryBeth_12 (A1), McGuire_13 (A1), McSinger_13 (A1), MetalQZJ_12 (A1), Michley_12 (A1), MilleFeuille_9 (A1), Mkhuseli_13 (A1), Molly_13 (A1), Monet_14 (A1), Moose_11 (A1), MrGordo_12 (A1), Mryolo_11 (A1), Mule_12 (A1), Museum_14 (A1), NEHalo_12 (A1), Naira_13 (A1), Nerujay_13 (A1), Nhonho_12 (A1), Niza_14 (A1), Norz_14 (A1), Noxious_13 (A1), Ohno789_12 (A1), Oogway_11 (A1), PSullivan_14 (A1), PacerPaul_12 (A1), Papez_14 (A1), Paphu_11 (A1), Paraselene_11 (A1), Pari_13 (A1), Parliament_11 (A1), PascalRango_11 (A1), PattyP_14 (A1), Payneful_12 (A1), Pelly_13 (A1), Pepe_13 (A1), Perseus_13 (A1), Peterson_15 (A1), Petp2012_14 (A1), Petruchio_12 (A1), PherrisBueller_13 (A1), PhineBark_11 (A1), Phlippers_11 (A1), PhrostyMug_12 (A1), PinkPlastic_11 (A1), Pinto_14 (A1), Pippin_14 (A1), Pita2_14 (A1), PowerRanger_12 (A1), ProMouse_11 (A1), Puppet_12 (A1), QTRlifeCrisis_12 (A1), Raid_12 (A1), Rajelicia_12 (A1), Rhynn_12 (A1), RidgeCB_12 (A1), Ringer_12 (A1), Rohr_13 (A1), Rubeus_13 (A1), Rufus_13 (A1), Ruotula_11 (A1), Rutherferd_14 (A1), STLscum_13 (A1), Sagefire_13 (A1), Sandaddy_11 (A1), Sanya_11 (A1), SarFire_12 (A1), Scowl_13 (A1), Seabiscuit_14 (A1), Seanderson_13 (A1), ShortQueendom_11 (A1), Sibs6_14 (A1), SkiPole_14 (A1), Slagathor_13 (A1), Smairt_13 (A1), Smeagol_13 (A1), Snazzy_10 (A1), Solon_12 (A1), Sorpresa_12 (A1), SpikeBT_14 (A1), Squee_13 (A1), StewieG_11 (A1), StrongArm_11 (A1), Sumter_11 (A1), Sunshine924_11 (A1), SwissCheese_12 (A1), Switzer_13 (A1), Swole_14 (A1), Tasp14_13 (A1), Teodoridan_10 (A1), TheloniousMonk_14 (A1), Thor_12 (A1), Topgun_12 (A1), Tote_14 (A1), Traft412_14 (A1), Treddle_14 (A1), Tripl3t_13 (A1), Trouble_12 (A1), Turj99_11 (A1), TwoPeat_13 (A1), U2_12 (A1), Violet_11 (A1), Watermelon_14 (A1), Wheeler_12 (A1), Wilkins_12 (A1), Zeeculate_11 (A1), Zephyr_12 (A1), Zeuska_13 (A1),

Start 90:

- Found in 97 of 1712 (5.7%) of genes in pham
- Manual Annotations of this start: 2 of 1480
- Called 2.1% of time when present
- Phage (with cluster) where this start called: Sabinator_14 (A3), StepMih_14 (A3),

Start 95:

- Found in 79 of 1712 (4.6%) of genes in pham
- Manual Annotations of this start: 1 of 1480
- Called 1.3% of time when present
- Phage (with cluster) where this start called: VieEnRose_7 (BD6),

Start 101:

- Found in 462 of 1712 (27.0%) of genes in pham
- No Manual Annotations of this start.
- Called 0.4% of time when present
- Phage (with cluster) where this start called: Kimba_13 (A11), Prudy_15 (A2),

Start 129:

- Found in 407 of 1712 (23.8%) of genes in pham
- Manual Annotations of this start: 2 of 1480
- Called 1.2% of time when present
- Phage (with cluster) where this start called: Forester_7 (EH), Gretchen_3 (EH), Percival_3 (EH), SuperHands_4 (EH), phiCAM_07 (BD3),

Summary by clusters:

There are 72 clusters represented in this pham: FQ, singleton, M3, BL, A18, M2, DU1, BJ, A21, K3, FA, K1, BD1, M1, K6, K5, K4, DT, K8, DP, EH, A15, A14, A17, AZ, A11, A10, A13, A12, F, A19, EO, A1, BD4, A3, A2, A5, A4, BD3, A6, A9, A8, DU2, V, A7, AG, AF, CA, BD2, L4, A16, L2, L3, BT, L1, AY, K7, UNK, A20, F1, A22, F3, K2, L5, BD6, AZ1, AZ2, AZ3, AZ4, AZ5, AZ6, AZ7,

Info for manual annotations of cluster A1:

- Start number 59 was manually annotated 5 times for cluster A1.
- Start number 89 was manually annotated 214 times for cluster A1.

Info for manual annotations of cluster A10:

- Start number 58 was manually annotated 17 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 59 was manually annotated 24 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 59 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 59 was manually annotated 4 times for cluster A14.

Info for manual annotations of cluster A15:

- Start number 59 was manually annotated 23 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 59 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 59 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 58 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 59 was manually annotated 106 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 59 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A22:

- Start number 59 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:

- Start number 58 was manually annotated 96 times for cluster A3.
- Start number 59 was manually annotated 18 times for cluster A3.
- Start number 90 was manually annotated 2 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 58 was manually annotated 141 times for cluster A4.

Info for manual annotations of cluster A5:

- Start number 59 was manually annotated 38 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 59 was manually annotated 47 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 58 was manually annotated 5 times for cluster A7.

Info for manual annotations of cluster A8:

- Start number 59 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:

- Start number 59 was manually annotated 35 times for cluster A9.

Info for manual annotations of cluster AF:

- Start number 72 was manually annotated 2 times for cluster AF.

Info for manual annotations of cluster AG:

- Start number 64 was manually annotated 1 time for cluster AG.
- Start number 66 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AY:

- Start number 80 was manually annotated 3 times for cluster AY.
- Start number 88 was manually annotated 31 times for cluster AY.

Info for manual annotations of cluster AZ1:

- Start number 72 was manually annotated 1 time for cluster AZ1.
- Start number 73 was manually annotated 7 times for cluster AZ1.

- Start number 74 was manually annotated 1 time for cluster AZ1.
- Start number 76 was manually annotated 37 times for cluster AZ1.

Info for manual annotations of cluster AZ2:

- Start number 76 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:

- Start number 72 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ4:

- Start number 76 was manually annotated 5 times for cluster AZ4.

Info for manual annotations of cluster AZ5:

- Start number 72 was manually annotated 6 times for cluster AZ5.
- Start number 73 was manually annotated 10 times for cluster AZ5.

Info for manual annotations of cluster AZ6:

- Start number 76 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster BD1:

- Start number 72 was manually annotated 4 times for cluster BD1.
- Start number 83 was manually annotated 51 times for cluster BD1.

Info for manual annotations of cluster BD2:

- Start number 83 was manually annotated 33 times for cluster BD2.

Info for manual annotations of cluster BD3:

- Start number 83 was manually annotated 15 times for cluster BD3.

Info for manual annotations of cluster BD4:

- Start number 83 was manually annotated 3 times for cluster BD4.

Info for manual annotations of cluster BD6:

- Start number 83 was manually annotated 3 times for cluster BD6.
- Start number 95 was manually annotated 1 time for cluster BD6.

Info for manual annotations of cluster BJ:

- Start number 81 was manually annotated 1 time for cluster BJ.

Info for manual annotations of cluster BL:

- Start number 84 was manually annotated 3 times for cluster BL.

Info for manual annotations of cluster BT:

- Start number 66 was manually annotated 3 times for cluster BT.

Info for manual annotations of cluster CA:

- Start number 58 was manually annotated 36 times for cluster CA.

Info for manual annotations of cluster DP:

- Start number 82 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DT:

- Start number 85 was manually annotated 5 times for cluster DT.

Info for manual annotations of cluster DU1:

- Start number 40 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 40 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster EH:

- Start number 76 was manually annotated 11 times for cluster EH.
- Start number 129 was manually annotated 2 times for cluster EH.

Info for manual annotations of cluster EO:

- Start number 71 was manually annotated 4 times for cluster EO.

Info for manual annotations of cluster F1:

- Start number 78 was manually annotated 59 times for cluster F1.

Info for manual annotations of cluster F3:

- Start number 78 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster FA:

- Start number 74 was manually annotated 10 times for cluster FA.

Info for manual annotations of cluster FQ:

- Start number 82 was manually annotated 1 time for cluster FQ.

Info for manual annotations of cluster K1:

- Start number 29 was manually annotated 21 times for cluster K1.
- Start number 32 was manually annotated 87 times for cluster K1.

Info for manual annotations of cluster K2:

- Start number 30 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:

- Start number 29 was manually annotated 1 time for cluster K3.
- Start number 32 was manually annotated 8 times for cluster K3.

Info for manual annotations of cluster K4:

- Start number 29 was manually annotated 5 times for cluster K4.
- Start number 30 was manually annotated 16 times for cluster K4.
- Start number 39 was manually annotated 1 time for cluster K4.

Info for manual annotations of cluster K5:

- Start number 32 was manually annotated 23 times for cluster K5.

Info for manual annotations of cluster K6:

- Start number 29 was manually annotated 3 times for cluster K6.
- Start number 32 was manually annotated 21 times for cluster K6.

Info for manual annotations of cluster K7:

- Start number 30 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:

- Start number 31 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster L1:

- Start number 61 was manually annotated 19 times for cluster L1.

Info for manual annotations of cluster L2:

- Start number 61 was manually annotated 31 times for cluster L2.

Info for manual annotations of cluster L3:

- Start number 61 was manually annotated 19 times for cluster L3.

Info for manual annotations of cluster L4:

- Start number 62 was manually annotated 4 times for cluster L4.

Info for manual annotations of cluster L5:

- Start number 54 was manually annotated 2 times for cluster L5.

Info for manual annotations of cluster M1:

- Start number 35 was manually annotated 15 times for cluster M1.

Info for manual annotations of cluster M2:

- Start number 35 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:

- Start number 35 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster V:

- Start number 62 was manually annotated 5 times for cluster V.

Gene Information:

Gene: 20ES_13 Start: 9230, Stop: 10690, Start Num: 59

Candidate Starts for 20ES_13:

(Start: 59 @9230 has 322 MA's), (101, 9290), (136, 9395), (219, 9659), (224, 9677), (247, 9710), (327, 9821), (373, 9938), (377, 9965), (379, 9971), (385, 9992), (386, 9998), (400, 10043), (453, 10187), (482, 10280), (496, 10337), (501, 10355), (502, 10358), (510, 10385), (516, 10394), (544, 10511), (547, 10526), (551, 10541), (560, 10571), (580, 10595),

Gene: 40AC_16 Start: 11241, Stop: 12704, Start Num: 59

Candidate Starts for 40AC_16:

(Start: 59 @11241 has 322 MA's), (Start: 72 @11262 has 15 MA's), (101, 11301), (132, 11394), (136, 11406), (224, 11688), (283, 11793), (350, 11871), (352, 11880), (358, 11901), (373, 11952), (377, 11979), (379, 11985), (385, 12006), (389, 12027), (392, 12036), (400, 12057), (438, 12138), (460, 12219), (496, 12351), (502, 12372), (510, 12399), (516, 12408), (527, 12474), (544, 12525), (551, 12555), (560, 12585), (580, 12609),

Gene: A6_10 Start: 8266, Stop: 9708, Start Num: 89

Candidate Starts for A6_10:

(Start: 50 @8200 has 1 MA's), (Start: 89 @8266 has 214 MA's), (162, 8464), (224, 8677), (349, 8872), (352, 8884), (377, 8983), (446, 9178), (460, 9217), (483, 9295), (485, 9301), (496, 9349), (499, 9361), (502, 9370), (525, 9460), (551, 9550), (562, 9583), (573, 9595),

Gene: ACFishhook_14 Start: 8807, Stop: 10261, Start Num: 58

Candidate Starts for ACFishhook_14:

(Start: 58 @8807 has 296 MA's), (Start: 90 @8837 has 2 MA's), (101, 8864), (136, 8969), (179, 9083), (193, 9149), (209, 9206), (247, 9284), (248, 9287), (349, 9428), (377, 9539), (379, 9545), (385, 9566), (443, 9731), (483, 9857), (496, 9911), (497, 9917), (502, 9932), (516, 9968), (535, 10055), (544, 10085), (551, 10115), (573, 10160), (581, 10169),

Gene: AEgle_3 Start: 2269, Stop: 3642, Start Num: 76

Candidate Starts for AEgle_3:

(Start: 76 @2269 has 57 MA's), (Start: 129 @2389 has 2 MA's), (165, 2488), (279, 2752), (342, 2845), (393, 3025), (453, 3181), (474, 3229), (478, 3259), (486, 3283), (530, 3457), (575, 3577),

Gene: AFIS_12 Start: 8603, Stop: 10045, Start Num: 89

Candidate Starts for AFIS_12:

(Start: 50 @8537 has 1 MA's), (Start: 89 @8603 has 214 MA's), (162, 8801), (224, 9014), (349, 9209), (352, 9221), (377, 9320), (446, 9515), (460, 9554), (483, 9632), (485, 9638), (496, 9686), (499, 9698), (502, 9707), (525, 9797), (551, 9887), (562, 9920), (573, 9932),

Gene: AGrandiflora_3 Start: 2269, Stop: 3645, Start Num: 76

Candidate Starts for AGrandiflora_3:

(Start: 76 @2269 has 57 MA's), (Start: 129 @2389 has 2 MA's), (165, 2488), (175, 2527), (279, 2752), (342, 2845), (393, 3025), (456, 3193), (474, 3232), (478, 3262), (486, 3286), (530, 3460), (533, 3469), (575, 3580),

Gene: AN3_13 Start: 9215, Stop: 10675, Start Num: 59

Candidate Starts for AN3_13:

(Start: 59 @9215 has 322 MA's), (101, 9275), (136, 9380), (219, 9644), (224, 9662), (247, 9695), (327, 9806), (377, 9950), (379, 9956), (385, 9977), (386, 9983), (400, 10028), (453, 10172), (482, 10265), (490, 10292), (496, 10322), (501, 10340), (502, 10343), (510, 10370), (516, 10379), (544, 10496), (547, 10511), (551, 10526), (560, 10556), (580, 10580),

Gene: AN9_16 Start: 9161, Stop: 10618, Start Num: 59

Candidate Starts for AN9_16:

(Start: 59 @9161 has 322 MA's), (101, 9221), (136, 9326), (224, 9608), (247, 9641), (348, 9782), (352, 9797), (373, 9869), (377, 9896), (379, 9902), (385, 9923), (386, 9929), (400, 9974), (496, 10268), (501, 10286), (502, 10289), (510, 10316), (516, 10325), (527, 10391), (544, 10442), (551, 10472), (560, 10502), (580, 10526),

Gene: ANI8_16 Start: 9161, Stop: 10618, Start Num: 59

Candidate Starts for ANI8_16:

(Start: 59 @9161 has 322 MA's), (101, 9221), (136, 9326), (224, 9608), (247, 9641), (348, 9782), (352, 9797), (373, 9869), (377, 9896), (379, 9902), (385, 9923), (386, 9929), (400, 9974), (496, 10268), (501, 10286), (502, 10289), (510, 10316), (516, 10325), (527, 10391), (544, 10442), (551, 10472), (560, 10502), (580, 10526),

Gene: Aaronocolus_7 Start: 4081, Stop: 5523, Start Num: 83

Candidate Starts for Aaronocolus_7:

(70, 4072), (Start: 72 @4075 has 15 MA's), (Start: 83 @4081 has 105 MA's), (Start: 129 @4198 has 2 MA's), (148, 4246), (269, 4564), (298, 4606), (312, 4633), (334, 4666), (366, 4759), (370, 4771), (392,

4864), (426, 4942), (436, 4987), (448, 5044), (456, 5068), (520, 5281), (611, 5509),

Gene: AbbeyMikolon_3 Start: 2376, Stop: 3785, Start Num: 84

Candidate Starts for AbbeyMikolon_3:

(Start: 80 @2370 has 4 MA's), (Start: 84 @2376 has 3 MA's), (134, 2511), (153, 2556), (158, 2571), (159, 2574), (186, 2664), (198, 2718), (229, 2781), (247, 2808), (267, 2847), (283, 2880), (347, 2976), (351, 2991), (352, 2994), (370, 3051), (386, 3120), (392, 3144), (431, 3234), (448, 3315), (453, 3330), (475, 3384), (483, 3423), (496, 3477), (517, 3540), (541, 3642), (543, 3651), (545, 3663), (546, 3666), (551, 3684), (560, 3711), (577, 3732),

Gene: AbbyPaige_15 Start: 9675, Stop: 11135, Start Num: 59

Candidate Starts for AbbyPaige_15:

(Start: 59 @9675 has 322 MA's), (101, 9735), (136, 9840), (197, 10038), (224, 10122), (247, 10155), (349, 10299), (373, 10383), (377, 10410), (379, 10416), (385, 10437), (386, 10443), (400, 10488), (496, 10782), (501, 10800), (502, 10803), (510, 10830), (516, 10839), (544, 10956), (551, 10986), (560, 11016), (580, 11040),

Gene: AbbysRanger_12 Start: 8587, Stop: 10044, Start Num: 58

Candidate Starts for AbbysRanger_12:

(Start: 58 @8587 has 296 MA's), (132, 8737), (136, 8749), (190, 8917), (197, 8947), (209, 8986), (215, 9004), (219, 9013), (247, 9064), (344, 9193), (349, 9211), (377, 9322), (379, 9328), (385, 9349), (386, 9355), (411, 9424), (435, 9484), (443, 9529), (483, 9655), (484, 9658), (496, 9709), (497, 9715), (502, 9730), (510, 9757), (532, 9847), (535, 9853), (544, 9883), (551, 9913), (562, 9943),

Gene: Abbysshoes_13 Start: 8692, Stop: 10134, Start Num: 89

Candidate Starts for Abbysshoes_13:

(Start: 50 @8626 has 1 MA's), (Start: 89 @8692 has 214 MA's), (162, 8890), (208, 9064), (224, 9103), (349, 9298), (352, 9310), (377, 9409), (446, 9604), (483, 9721), (485, 9727), (496, 9775), (499, 9787), (502, 9796), (525, 9886), (551, 9976), (562, 10009), (573, 10021),

Gene: Abdiel_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Abdiel_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Abrogate_130 Start: 9348, Stop: 10790, Start Num: 89

Candidate Starts for Abrogate_130:

(Start: 50 @9282 has 1 MA's), (Start: 89 @9348 has 214 MA's), (162, 9546), (224, 9759), (349, 9954), (352, 9966), (377, 10065), (398, 10137), (446, 10260), (460, 10299), (483, 10377), (485, 10383), (496, 10431), (499, 10443), (502, 10452), (525, 10542), (551, 10632), (562, 10665), (573, 10677),

Gene: AceofSpades_3 Start: 2305, Stop: 3672, Start Num: 76

Candidate Starts for AceofSpades_3:

(Start: 76 @2305 has 57 MA's), (125, 2419), (Start: 129 @2428 has 2 MA's), (165, 2527), (371, 2971), (443, 3190), (474, 3268), (527, 3487), (530, 3496),

Gene: Achebe_12 Start: 8575, Stop: 10032, Start Num: 58

Candidate Starts for Achebe_12:

(Start: 58 @8575 has 296 MA's), (132, 8725), (136, 8737), (186, 8884), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (359, 9235), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502,

9718), (510, 9745), (532, 9835), (544, 9871), (546, 9883), (551, 9901), (562, 9931),

Gene: Acme_14 Start: 9039, Stop: 10481, Start Num: 89

Candidate Starts for Acme_14:

(Start: 50 @8973 has 1 MA's), (Start: 89 @9039 has 214 MA's), (162, 9237), (224, 9450), (349, 9645), (350, 9648), (377, 9756), (398, 9828), (446, 9951), (460, 9990), (483, 10068), (485, 10074), (496, 10122), (499, 10134), (502, 10143), (525, 10233), (551, 10323), (562, 10356), (573, 10368),

Gene: Acolyte_13 Start: 9393, Stop: 10856, Start Num: 59

Candidate Starts for Acolyte_13:

(Start: 59 @9393 has 322 MA's), (101, 9453), (131, 9540), (136, 9558), (224, 9840), (247, 9873), (373, 10101), (377, 10128), (379, 10134), (385, 10155), (400, 10206), (460, 10368), (496, 10500), (501, 10518), (502, 10521), (510, 10548), (516, 10557), (535, 10644), (544, 10674), (551, 10704), (560, 10734), (580, 10758), (582, 10761),

Gene: Acquire49_5 Start: 2625, Stop: 4298, Start Num: 61

Candidate Starts for Acquire49_5:

(Start: 61 @2625 has 69 MA's), (101, 2688), (116, 2742), (127, 2766), (154, 2835), (162, 2859), (185, 2937), (192, 2973), (241, 3066), (244, 3069), (291, 3144), (322, 3183), (349, 3246), (356, 3273), (357, 3276), (365, 3297), (371, 3318), (380, 3360), (381, 3363), (424, 3465), (428, 3480), (430, 3486), (450, 3567), (460, 3594), (461, 3600), (490, 3693), (495, 3720), (497, 3729), (518, 3783), (521, 3804), (524, 3825), (530, 3852), (533, 3861), (549, 3921), (557, 3951), (564, 3960), (626, 4068), (653, 4263),

Gene: ActinUp_9 Start: 3020, Stop: 4579, Start Num: 32

Candidate Starts for ActinUp_9:

(22, 2918), (Start: 29 @3005 has 30 MA's), (Start: 32 @3020 has 139 MA's), (96, 3122), (99, 3131), (125, 3203), (Start: 129 @3212 has 2 MA's), (136, 3236), (150, 3269), (153, 3278), (165, 3311), (170, 3329), (185, 3380), (189, 3401), (199, 3443), (231, 3509), (238, 3524), (278, 3599), (289, 3620), (321, 3674), (362, 3794), (373, 3827), (375, 3848), (382, 3869), (388, 3899), (423, 3932), (429, 3950), (445, 4028), (449, 4040), (450, 4043), (454, 4055), (455, 4058), (474, 4094), (484, 4142), (496, 4193), (501, 4211), (526, 4307), (533, 4328), (541, 4355), (543, 4364), (553, 4400),

Gene: AdaS_4 Start: 2275, Stop: 3612, Start Num: 88

Candidate Starts for AdaS_4:

(27, 2152), (28, 2155), (41, 2197), (47, 2209), (Start: 80 @2263 has 4 MA's), (Start: 88 @2275 has 31 MA's), (108, 2323), (130, 2386), (132, 2398), (216, 2656), (247, 2713), (271, 2761), (345, 2848), (347, 2857), (355, 2884), (375, 2965), (379, 2977), (380, 2980), (386, 3004), (446, 3172), (464, 3226), (483, 3289), (486, 3298), (498, 3352), (512, 3391), (526, 3457), (551, 3538), (556, 3547), (585, 3598),

Gene: Adahisdi_13 Start: 8931, Stop: 10373, Start Num: 89

Candidate Starts for Adahisdi_13:

(Start: 50 @8865 has 1 MA's), (Start: 89 @8931 has 214 MA's), (162, 9129), (224, 9342), (349, 9537), (352, 9549), (377, 9648), (446, 9843), (460, 9882), (483, 9960), (485, 9966), (496, 10014), (499, 10026), (502, 10035), (525, 10125), (551, 10215), (562, 10248), (573, 10260),

Gene: Adephagia_9 Start: 3020, Stop: 4579, Start Num: 32

Candidate Starts for Adephagia_9:

(22, 2918), (Start: 29 @3005 has 30 MA's), (Start: 32 @3020 has 139 MA's), (96, 3122), (99, 3131), (125, 3203), (Start: 129 @3212 has 2 MA's), (136, 3236), (150, 3269), (153, 3278), (165, 3311), (170, 3329), (185, 3380), (189, 3401), (199, 3443), (231, 3509), (238, 3524), (278, 3599), (289, 3620), (321, 3674), (362, 3794), (373, 3827), (375, 3848), (382, 3869), (388, 3899), (423, 3932), (429, 3950), (445, 4028), (449, 4040), (450, 4043), (454, 4055), (455, 4058), (474, 4094), (484, 4142), (496, 4193), (501, 4211), (526, 4307), (533, 4328), (541, 4355), (543, 4364), (553, 4400),

Gene: Adolin_3 Start: 2280, Stop: 3656, Start Num: 76

Candidate Starts for Adolin_3:

(Start: 76 @2280 has 57 MA's), (125, 2391), (Start: 129 @2400 has 2 MA's), (165, 2499), (279, 2763), (370, 2940), (393, 3036), (453, 3195), (474, 3243), (478, 3273), (486, 3297), (522, 3432), (530, 3471), (533, 3480),

Gene: Adonis_9 Start: 3037, Stop: 4590, Start Num: 32

Candidate Starts for Adonis_9:

(21, 2914), (22, 2935), (Start: 29 @3022 has 30 MA's), (Start: 32 @3037 has 139 MA's), (96, 3136), (99, 3145), (125, 3217), (Start: 129 @3226 has 2 MA's), (136, 3250), (150, 3283), (153, 3292), (165, 3325), (185, 3394), (189, 3415), (199, 3457), (231, 3523), (238, 3538), (278, 3613), (289, 3634), (321, 3688), (355, 3784), (362, 3808), (373, 3841), (375, 3862), (382, 3883), (388, 3913), (423, 3946), (429, 3964), (440, 4024), (445, 4042), (449, 4054), (450, 4057), (454, 4069), (455, 4072), (474, 4108), (484, 4156), (496, 4207), (501, 4225), (526, 4321), (533, 4342), (541, 4369), (543, 4378), (553, 4414),

Gene: Adumb2043_3 Start: 2268, Stop: 3641, Start Num: 76

Candidate Starts for Adumb2043_3:

(Start: 76 @2268 has 57 MA's), (Start: 129 @2388 has 2 MA's), (165, 2487), (279, 2751), (393, 3024), (453, 3180), (474, 3228), (478, 3258), (486, 3282), (530, 3456), (575, 3576),

Gene: Adzzy_14 Start: 8042, Stop: 9499, Start Num: 59

Candidate Starts for Adzzy_14:

(Start: 59 @8042 has 322 MA's), (101, 8102), (136, 8207), (224, 8489), (352, 8678), (373, 8750), (377, 8777), (379, 8783), (385, 8804), (386, 8810), (460, 9017), (496, 9149), (501, 9167), (502, 9170), (510, 9197), (516, 9206), (535, 9293), (544, 9323), (551, 9353), (560, 9383), (580, 9407), (595, 9428),

Gene: Aegeus_5 Start: 2394, Stop: 3842, Start Num: 54

Candidate Starts for Aegeus_5:

(46, 2379), (Start: 54 @2394 has 2 MA's), (65, 2415), (69, 2421), (112, 2505), (139, 2586), (145, 2595), (151, 2613), (153, 2619), (154, 2622), (165, 2652), (183, 2712), (185, 2724), (189, 2745), (192, 2760), (198, 2784), (204, 2805), (228, 2829), (266, 2904), (270, 2910), (291, 2931), (322, 2970), (341, 3006), (349, 3027), (355, 3048), (356, 3054), (357, 3057), (359, 3063), (379, 3138), (396, 3198), (453, 3354), (460, 3372), (463, 3384), (464, 3387), (472, 3399), (475, 3408), (476, 3423), (490, 3471), (496, 3501), (497, 3507), (530, 3630), (531, 3633), (533, 3639), (541, 3666), (546, 3690), (549, 3699), (553, 3714), (557, 3729), (562, 3735), (564, 3738), (567, 3741),

Gene: Aeneas_14 Start: 9026, Stop: 10468, Start Num: 89

Candidate Starts for Aeneas_14:

(Start: 50 @8960 has 1 MA's), (Start: 89 @9026 has 214 MA's), (162, 9224), (224, 9437), (349, 9632), (377, 9743), (446, 9938), (460, 9977), (483, 10055), (485, 10061), (496, 10109), (499, 10121), (502, 10130), (525, 10220), (551, 10310), (562, 10343), (573, 10355),

Gene: Agaliana_12 Start: 8740, Stop: 10182, Start Num: 89

Candidate Starts for Agaliana_12:

(Start: 50 @8674 has 1 MA's), (Start: 89 @8740 has 214 MA's), (162, 8938), (224, 9151), (349, 9346), (352, 9358), (377, 9457), (398, 9529), (446, 9652), (460, 9691), (483, 9769), (485, 9775), (496, 9823), (499, 9835), (502, 9844), (525, 9934), (551, 10024), (562, 10057), (573, 10069),

Gene: Agape74_15 Start: 9675, Stop: 11135, Start Num: 59

Candidate Starts for Agape74_15:

(Start: 59 @9675 has 322 MA's), (101, 9735), (136, 9840), (197, 10038), (224, 10122), (247, 10155), (349, 10299), (373, 10383), (377, 10410), (379, 10416), (385, 10437), (386, 10443), (400, 10488),

(496, 10782), (501, 10800), (502, 10803), (510, 10830), (516, 10839), (544, 10956), (551, 10986),
(560, 11016), (580, 11040),

Gene: Agent47_7 Start: 2770, Stop: 4308, Start Num: 32

Candidate Starts for Agent47_7:

(Start: 32 @2770 has 139 MA's), (96, 2872), (99, 2881), (116, 2935), (150, 3019), (154, 3031), (165, 3061), (170, 3079), (185, 3130), (192, 3166), (198, 3190), (199, 3193), (227, 3247), (238, 3268), (278, 3343), (289, 3364), (305, 3394), (331, 3439), (349, 3493), (362, 3538), (373, 3571), (380, 3607), (382, 3613), (423, 3676), (429, 3694), (445, 3772), (449, 3784), (450, 3787), (455, 3802), (475, 3847), (476, 3862), (482, 3883), (484, 3889), (495, 3937), (496, 3940), (501, 3958), (523, 4039), (526, 4054), (533, 4075), (543, 4111), (553, 4147), (607, 4234),

Gene: AgentM_10 Start: 8017, Stop: 9450, Start Num: 59

Candidate Starts for AgentM_10:

(Start: 59 @8017 has 322 MA's), (149, 8185), (153, 8200), (155, 8206), (200, 8374), (209, 8401), (247, 8479), (299, 8560), (351, 8632), (352, 8635), (373, 8707), (379, 8740), (385, 8761), (392, 8791), (417, 8836), (483, 9052), (496, 9106), (501, 9124), (516, 9163), (544, 9280), (551, 9310), (560, 9340), (581, 9364),

Gene: Ageofdapage_9 Start: 2969, Stop: 4522, Start Num: 32

Candidate Starts for Ageofdapage_9:

(17, 2726), (20, 2840), (22, 2867), (Start: 29 @2954 has 30 MA's), (Start: 32 @2969 has 139 MA's), (96, 3068), (99, 3077), (125, 3149), (Start: 129 @3158 has 2 MA's), (136, 3182), (150, 3215), (165, 3257), (185, 3326), (189, 3347), (199, 3389), (231, 3455), (238, 3470), (289, 3566), (301, 3590), (352, 3707), (362, 3740), (373, 3773), (382, 3815), (388, 3845), (423, 3878), (429, 3896), (445, 3974), (449, 3986), (450, 3989), (454, 4001), (455, 4004), (474, 4040), (484, 4088), (496, 4139), (501, 4157), (526, 4253), (533, 4274), (541, 4301), (543, 4310), (553, 4346), (586, 4400),

Gene: Aglet_14 Start: 8655, Stop: 10109, Start Num: 58

Candidate Starts for Aglet_14:

(Start: 58 @8655 has 296 MA's), (Start: 90 @8685 has 2 MA's), (101, 8712), (136, 8817), (179, 8931), (193, 8997), (209, 9054), (247, 9132), (248, 9135), (349, 9276), (377, 9387), (379, 9393), (385, 9414), (443, 9579), (483, 9705), (496, 9759), (497, 9765), (502, 9780), (516, 9816), (535, 9903), (544, 9933), (551, 9963), (573, 10008), (581, 10017),

Gene: AgronaGT15_14 Start: 8562, Stop: 10016, Start Num: 58

Candidate Starts for AgronaGT15_14:

(Start: 58 @8562 has 296 MA's), (Start: 90 @8592 has 2 MA's), (101, 8619), (136, 8724), (179, 8838), (193, 8904), (209, 8961), (247, 9039), (248, 9042), (349, 9183), (377, 9294), (379, 9300), (385, 9321), (443, 9486), (483, 9612), (496, 9666), (497, 9672), (502, 9687), (516, 9723), (535, 9810), (544, 9840), (551, 9870), (573, 9915), (581, 9924),

Gene: Aikyam_4 Start: 2274, Stop: 3605, Start Num: 88

Candidate Starts for Aikyam_4:

(Start: 80 @2262 has 4 MA's), (Start: 88 @2274 has 31 MA's), (94, 2283), (130, 2385), (132, 2397), (182, 2538), (190, 2583), (194, 2598), (199, 2619), (219, 2655), (224, 2673), (271, 2754), (300, 2799), (355, 2877), (375, 2958), (379, 2970), (380, 2973), (386, 2997), (399, 3039), (441, 3150), (446, 3165), (457, 3195), (486, 3291), (551, 3531), (552, 3534), (556, 3540), (585, 3591),

Gene: AinMach_3 Start: 2293, Stop: 3654, Start Num: 76

Candidate Starts for AinMach_3:

(Start: 76 @2293 has 57 MA's), (114, 2371), (Start: 129 @2413 has 2 MA's), (148, 2461), (208, 2674), (307, 2812), (350, 2905), (436, 3145), (456, 3226), (478, 3295), (511, 3412), (527, 3484), (530, 3493),

(533, 3502), (559, 3592),

Gene: Airmid_10 Start: 7764, Stop: 9197, Start Num: 59

Candidate Starts for Airmid_10:

(Start: 59 @7764 has 322 MA's), (131, 7893), (149, 7932), (153, 7947), (200, 8121), (209, 8148), (299, 8307), (350, 8373), (351, 8379), (352, 8382), (373, 8454), (379, 8487), (385, 8508), (388, 8526), (392, 8538), (483, 8799), (496, 8853), (501, 8871), (516, 8910), (544, 9027), (551, 9057), (560, 9087), (573, 9102), (581, 9111),

Gene: Ajay_12 Start: 8736, Stop: 10178, Start Num: 89

Candidate Starts for Ajay_12:

(Start: 50 @8670 has 1 MA's), (Start: 89 @8736 has 214 MA's), (162, 8934), (224, 9147), (349, 9342), (352, 9354), (377, 9453), (398, 9525), (446, 9648), (460, 9687), (483, 9765), (485, 9771), (496, 9819), (499, 9831), (502, 9840), (525, 9930), (551, 10020), (562, 10053), (573, 10065),

Gene: Alatin_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for Alatin_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Albee_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Albee_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Alberto7_13 Start: 8883, Stop: 10334, Start Num: 58

Candidate Starts for Alberto7_13:

(Start: 58 @8883 has 296 MA's), (132, 9030), (136, 9042), (190, 9210), (197, 9240), (209, 9279), (215, 9297), (247, 9357), (344, 9486), (349, 9504), (377, 9615), (379, 9621), (385, 9642), (386, 9648), (411, 9717), (435, 9777), (443, 9822), (483, 9948), (484, 9951), (496, 10002), (497, 10008), (502, 10023), (510, 10053), (532, 10143), (544, 10179), (546, 10191), (551, 10209), (562, 10239),

Gene: Aldrich_13 Start: 9244, Stop: 10686, Start Num: 89

Candidate Starts for Aldrich_13:

(Start: 50 @9178 has 1 MA's), (Start: 89 @9244 has 214 MA's), (162, 9442), (224, 9655), (349, 9850), (352, 9862), (377, 9961), (446, 10156), (460, 10195), (483, 10273), (485, 10279), (496, 10327), (499, 10339), (502, 10348), (525, 10438), (551, 10528), (562, 10561), (573, 10573),

Gene: Alexphander_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Alexphander_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: AlishaPH_9 Start: 3028, Stop: 4581, Start Num: 32

Candidate Starts for AlishaPH_9:

(22, 2926), (Start: 29 @3013 has 30 MA's), (Start: 32 @3028 has 139 MA's), (96, 3130), (99, 3139), (125, 3211), (Start: 129 @3220 has 2 MA's), (136, 3244), (150, 3277), (153, 3286), (185, 3388), (189, 3409), (198, 3448), (199, 3451), (231, 3514), (238, 3529), (250, 3553), (278, 3604), (289, 3625), (321, 3679), (362, 3799), (373, 3832), (375, 3853), (382, 3874), (388, 3904), (423, 3937), (429, 3955), (440, 4015), (445, 4033), (449, 4045), (450, 4048), (454, 4060), (455, 4063), (474, 4099), (484, 4147), (496, 4198), (501, 4216), (526, 4312), (533, 4333), (541, 4360), (543, 4369), (553, 4405),

Gene: Aliter_14 Start: 9821, Stop: 11308, Start Num: 59

Candidate Starts for Aliter_14:

(Start: 59 @9821 has 322 MA's), (101, 9884), (136, 9989), (200, 10199), (213, 10238), (224, 10271), (247, 10304), (349, 10448), (359, 10484), (362, 10493), (373, 10532), (377, 10559), (379, 10565), (385, 10586), (392, 10616), (400, 10637), (417, 10661), (427, 10676), (496, 10931), (501, 10949), (510, 10979), (512, 10982), (516, 10988), (542, 11099), (544, 11105), (551, 11135), (573, 11180), (580, 11189),

Gene: AlleyCat_7 Start: 2788, Stop: 4326, Start Num: 32

Candidate Starts for AlleyCat_7:

(Start: 32 @2788 has 139 MA's), (96, 2890), (99, 2899), (116, 2953), (150, 3037), (154, 3049), (165, 3079), (170, 3097), (185, 3148), (192, 3184), (198, 3208), (199, 3211), (227, 3265), (238, 3286), (278, 3361), (289, 3382), (305, 3412), (331, 3457), (349, 3511), (362, 3556), (373, 3589), (380, 3625), (382, 3631), (423, 3694), (429, 3712), (445, 3790), (449, 3802), (450, 3805), (455, 3820), (475, 3865), (476, 3880), (482, 3901), (484, 3907), (495, 3955), (496, 3958), (501, 3976), (505, 3991), (523, 4057), (526, 4072), (533, 4093), (543, 4129), (553, 4165), (607, 4252),

Gene: Alma_14 Start: 9900, Stop: 11387, Start Num: 59

Candidate Starts for Alma_14:

(Start: 59 @9900 has 322 MA's), (101, 9963), (136, 10068), (200, 10278), (213, 10317), (224, 10350), (247, 10383), (349, 10527), (359, 10563), (362, 10572), (373, 10611), (377, 10638), (379, 10644), (385, 10665), (392, 10695), (400, 10716), (417, 10740), (427, 10755), (496, 11010), (501, 11028), (510, 11058), (512, 11061), (516, 11067), (542, 11178), (544, 11184), (551, 11214), (573, 11259), (580, 11268),

Gene: Aloeri_4 Start: 2202, Stop: 3623, Start Num: 78

Candidate Starts for Aloeri_4:

(Start: 78 @2202 has 61 MA's), (Start: 95 @2229 has 1 MA's), (99, 2241), (148, 2370), (153, 2388), (155, 2394), (165, 2421), (185, 2490), (192, 2526), (197, 2547), (199, 2553), (208, 2577), (211, 2580), (227, 2607), (253, 2655), (257, 2661), (268, 2688), (280, 2706), (332, 2799), (338, 2817), (349, 2850), (351, 2859), (352, 2862), (367, 2910), (370, 2919), (375, 2949), (381, 2967), (388, 3000), (431, 3057), (449, 3141), (455, 3159), (464, 3186), (472, 3198), (474, 3201), (475, 3207), (476, 3222), (486, 3255), (518, 3360), (533, 3435), (534, 3441), (537, 3450), (540, 3459), (543, 3471), (572, 3534), (600, 3582),

Gene: Alpacados_8 Start: 4797, Stop: 6227, Start Num: 58

Candidate Starts for Alpacados_8:

(Start: 58 @4797 has 296 MA's), (149, 4974), (155, 4995), (165, 5022), (169, 5037), (186, 5100), (219, 5214), (299, 5343), (351, 5415), (374, 5502), (375, 5511), (377, 5517), (389, 5565), (417, 5619), (427, 5634), (431, 5643), (443, 5709), (446, 5718), (449, 5727), (491, 5862), (501, 5907), (502, 5910), (526, 6003), (544, 6060), (551, 6090), (560, 6117), (573, 6129), (577, 6135),

Gene: Alsaber_8 Start: 4192, Stop: 5625, Start Num: 83

Candidate Starts for Alsaber_8:

(Start: 83 @4192 has 105 MA's), (Start: 129 @4309 has 2 MA's), (148, 4357), (151, 4369), (237, 4612), (288, 4699), (323, 4759), (334, 4777), (337, 4783), (370, 4882), (387, 4957), (392, 4975), (409, 5014), (426, 5050), (448, 5152), (496, 5314), (501, 5332), (520, 5389), (541, 5479), (551, 5521), (590, 5587),

(611, 5611),

Gene: Alsfro_16 Start: 9479, Stop: 10921, Start Num: 89

Candidate Starts for Alsfro_16:

(Start: 50 @9413 has 1 MA's), (Start: 89 @9479 has 214 MA's), (162, 9677), (224, 9890), (247, 9926), (349, 10085), (352, 10097), (377, 10196), (446, 10391), (460, 10430), (483, 10508), (485, 10514), (496, 10562), (499, 10574), (502, 10583), (516, 10616), (525, 10673), (551, 10763), (562, 10796), (573, 10808),

Gene: Altman_13 Start: 9274, Stop: 10716, Start Num: 89

Candidate Starts for Altman_13:

(Start: 50 @9208 has 1 MA's), (Start: 89 @9274 has 214 MA's), (162, 9472), (224, 9685), (349, 9880), (350, 9883), (352, 9892), (377, 9991), (446, 10186), (460, 10225), (483, 10303), (485, 10309), (496, 10357), (499, 10369), (502, 10378), (516, 10411), (525, 10468), (551, 10558), (562, 10591), (573, 10603),

Gene: Alvin_13 Start: 8947, Stop: 10389, Start Num: 89

Candidate Starts for Alvin_13:

(Start: 50 @8881 has 1 MA's), (Start: 89 @8947 has 214 MA's), (162, 9145), (224, 9358), (349, 9553), (352, 9565), (377, 9664), (446, 9859), (460, 9898), (483, 9976), (485, 9982), (496, 10030), (499, 10042), (502, 10051), (525, 10141), (551, 10231), (562, 10264), (573, 10276),

Gene: Alvy_9 Start: 4026, Stop: 5492, Start Num: 83

Candidate Starts for Alvy_9:

(Start: 83 @4026 has 105 MA's), (Start: 129 @4137 has 2 MA's), (148, 4185), (151, 4197), (165, 4236), (185, 4326), (269, 4497), (272, 4500), (288, 4521), (298, 4539), (312, 4566), (366, 4692), (370, 4704), (387, 4779), (392, 4797), (399, 4815), (402, 4824), (418, 4905), (436, 4962), (446, 5013), (448, 5019), (501, 5199), (520, 5256), (541, 5346), (543, 5355), (599, 5460), (611, 5478),

Gene: Amela_7 Start: 4252, Stop: 5685, Start Num: 83

Candidate Starts for Amela_7:

(Start: 83 @4252 has 105 MA's), (Start: 129 @4369 has 2 MA's), (148, 4417), (151, 4429), (237, 4672), (288, 4759), (334, 4837), (337, 4843), (370, 4942), (387, 5017), (392, 5035), (409, 5074), (426, 5110), (448, 5212), (496, 5374), (501, 5392), (520, 5449), (551, 5581), (566, 5611), (611, 5671),

Gene: Amelie_5 Start: 2283, Stop: 3839, Start Num: 32

Candidate Starts for Amelie_5:

(21, 2157), (22, 2178), (Start: 29 @2268 has 30 MA's), (Start: 32 @2283 has 139 MA's), (Start: 81 @2352 has 1 MA's), (Start: 89 @2367 has 214 MA's), (99, 2388), (Start: 129 @2469 has 2 MA's), (136, 2493), (150, 2526), (162, 2562), (185, 2637), (189, 2658), (192, 2673), (238, 2778), (273, 2844), (289, 2874), (320, 2928), (337, 2970), (349, 3006), (352, 3018), (362, 3051), (373, 3084), (382, 3126), (388, 3156), (423, 3189), (429, 3207), (431, 3213), (440, 3267), (445, 3285), (449, 3297), (454, 3312), (455, 3315), (469, 3348), (495, 3447), (496, 3450), (501, 3468), (518, 3510), (525, 3561), (526, 3564), (533, 3585), (540, 3609), (541, 3612), (543, 3621), (553, 3657), (557, 3672), (574, 3693),

Gene: Amethyst_7 Start: 3826, Stop: 5301, Start Num: 83

Candidate Starts for Amethyst_7:

(Start: 83 @3826 has 105 MA's), (98, 3856), (Start: 129 @3943 has 2 MA's), (165, 4042), (185, 4135), (334, 4408), (370, 4513), (392, 4606), (397, 4618), (399, 4624), (436, 4771), (446, 4822), (448, 4828), (501, 5008), (520, 5065), (541, 5155), (543, 5164), (611, 5287),

Gene: Amgine_7 Start: 2617, Stop: 4170, Start Num: 32

Candidate Starts for Amgine_7:

(20, 2485), (22, 2512), (Start: 29 @2602 has 30 MA's), (Start: 32 @2617 has 139 MA's), (99, 2725), (Start: 129 @2806 has 2 MA's), (136, 2830), (150, 2863), (170, 2923), (185, 2974), (189, 2995), (192, 3010), (231, 3100), (238, 3115), (278, 3190), (289, 3211), (301, 3235), (337, 3304), (349, 3340), (352, 3352), (362, 3385), (373, 3418), (375, 3439), (382, 3460), (388, 3490), (423, 3523), (429, 3541), (436, 3571), (445, 3619), (449, 3631), (450, 3634), (454, 3646), (455, 3649), (464, 3676), (484, 3733), (501, 3802), (506, 3823), (526, 3898), (533, 3919), (541, 3946), (543, 3955), (553, 3991),

Gene: Aminay_7 Start: 2762, Stop: 4318, Start Num: 30

Candidate Starts for Aminay_7:

(Start: 30 @2762 has 28 MA's), (Start: 39 @2786 has 1 MA's), (96, 2867), (99, 2876), (109, 2900), (125, 2948), (Start: 129 @2957 has 2 MA's), (150, 3014), (153, 3023), (154, 3026), (185, 3125), (189, 3146), (197, 3182), (199, 3188), (208, 3212), (231, 3248), (260, 3302), (289, 3359), (337, 3446), (351, 3491), (362, 3527), (372, 3557), (375, 3581), (377, 3587), (382, 3602), (423, 3665), (425, 3668), (429, 3683), (431, 3689), (440, 3743), (449, 3773), (455, 3791), (456, 3794), (464, 3818), (472, 3830), (476, 3854), (501, 3950), (518, 4028), (523, 4067), (525, 4079), (533, 4103), (540, 4127), (541, 4130), (543, 4139), (553, 4175), (564, 4199),

Gene: Amohnition_8 Start: 2823, Stop: 4376, Start Num: 32

Candidate Starts for Amohnition_8:

(21, 2697), (22, 2718), (Start: 29 @2808 has 30 MA's), (Start: 32 @2823 has 139 MA's), (96, 2922), (99, 2931), (104, 2937), (Start: 129 @3012 has 2 MA's), (136, 3036), (150, 3069), (170, 3129), (185, 3180), (189, 3201), (192, 3216), (231, 3306), (238, 3321), (278, 3396), (289, 3417), (301, 3441), (337, 3510), (352, 3558), (362, 3591), (365, 3597), (373, 3624), (375, 3645), (382, 3666), (423, 3729), (429, 3747), (445, 3825), (449, 3837), (450, 3840), (455, 3855), (464, 3882), (484, 3939), (495, 3987), (496, 3990), (501, 4008), (506, 4029), (518, 4050), (523, 4089), (526, 4104), (540, 4149), (541, 4152), (543, 4161), (553, 4197), (557, 4212),

Gene: Amploria_3 Start: 2268, Stop: 3641, Start Num: 76

Candidate Starts for Amploria_3:

(Start: 76 @2268 has 57 MA's), (Start: 129 @2388 has 2 MA's), (165, 2487), (279, 2751), (393, 3024), (453, 3180), (474, 3228), (478, 3258), (486, 3282), (530, 3456), (575, 3576),

Gene: Amyev_3 Start: 2278, Stop: 3657, Start Num: 76

Candidate Starts for Amyev_3:

(1, 1264), (2, 1399), (5, 1504), (6, 1522), (12, 1837), (18, 1978), (Start: 76 @2278 has 57 MA's), (112, 2350), (Start: 129 @2398 has 2 MA's), (165, 2497), (279, 2761), (342, 2854), (393, 3034), (453, 3190), (474, 3238), (478, 3268), (486, 3292), (530, 3466), (575, 3586),

Gene: Anaya_10 Start: 3049, Stop: 4602, Start Num: 32

Candidate Starts for Anaya_10:

(17, 2806), (22, 2947), (Start: 29 @3034 has 30 MA's), (Start: 32 @3049 has 139 MA's), (96, 3148), (99, 3157), (125, 3229), (Start: 129 @3238 has 2 MA's), (136, 3262), (150, 3295), (153, 3304), (165, 3337), (185, 3406), (189, 3427), (197, 3463), (199, 3469), (231, 3535), (238, 3550), (289, 3646), (352, 3787), (362, 3820), (373, 3853), (375, 3874), (382, 3895), (388, 3925), (429, 3976), (445, 4054), (449, 4066), (450, 4069), (454, 4081), (455, 4084), (484, 4168), (496, 4219), (501, 4237), (511, 4267), (526, 4333), (533, 4354), (541, 4381), (543, 4390), (553, 4426), (586, 4480),

Gene: Anaysia_15 Start: 8380, Stop: 9840, Start Num: 59

Candidate Starts for Anaysia_15:

(Start: 59 @8380 has 322 MA's), (101, 8440), (136, 8545), (163, 8611), (213, 8794), (224, 8827), (247, 8860), (373, 9091), (377, 9118), (379, 9124), (385, 9145), (389, 9166), (400, 9196), (417, 9220), (453, 9340), (483, 9436), (491, 9463), (496, 9490), (501, 9508), (502, 9511), (510, 9544), (516, 9553), (544, 9670), (551, 9700), (580, 9754),

Gene: Andris_7 Start: 3857, Stop: 5341, Start Num: 83

Candidate Starts for Andris_7:

(Start: 83 @3857 has 105 MA's), (Start: 129 @3974 has 2 MA's), (151, 4034), (153, 4040), (165, 4073), (185, 4166), (189, 4187), (234, 4265), (272, 4340), (298, 4379), (334, 4439), (370, 4544), (387, 4619), (392, 4637), (397, 4649), (399, 4655), (401, 4661), (446, 4853), (448, 4859), (495, 5018), (520, 5096), (541, 5186), (543, 5195), (551, 5228), (611, 5327),

Gene: Aneem_13 Start: 9784, Stop: 11241, Start Num: 59

Candidate Starts for Aneem_13:

(Start: 59 @9784 has 322 MA's), (97, 9829), (101, 9844), (136, 9949), (224, 10231), (247, 10264), (352, 10420), (373, 10492), (377, 10519), (379, 10525), (385, 10546), (400, 10597), (490, 10861), (496, 10891), (502, 10912), (505, 10927), (510, 10939), (516, 10948), (535, 11035), (544, 11065), (551, 11095), (560, 11125), (610, 11191),

Gene: Anekin_3 Start: 2346, Stop: 3680, Start Num: 88

Candidate Starts for Anekin_3:

(Start: 80 @2334 has 4 MA's), (Start: 88 @2346 has 31 MA's), (100, 2367), (115, 2415), (126, 2445), (130, 2454), (132, 2466), (182, 2607), (185, 2625), (194, 2667), (216, 2724), (219, 2730), (224, 2748), (271, 2829), (281, 2850), (355, 2952), (375, 3033), (379, 3045), (380, 3048), (386, 3072), (399, 3114), (429, 3165), (446, 3240), (486, 3366), (495, 3408), (497, 3417), (498, 3420), (512, 3459), (519, 3474), (522, 3501), (551, 3606), (556, 3615), (585, 3666),

Gene: Angelica_9 Start: 3008, Stop: 4561, Start Num: 32

Candidate Starts for Angelica_9:

(17, 2765), (20, 2879), (22, 2906), (Start: 29 @2993 has 30 MA's), (Start: 32 @3008 has 139 MA's), (96, 3110), (99, 3119), (105, 3128), (Start: 129 @3200 has 2 MA's), (150, 3257), (153, 3266), (165, 3299), (166, 3302), (185, 3368), (189, 3389), (199, 3431), (238, 3509), (278, 3584), (289, 3605), (305, 3635), (349, 3734), (352, 3746), (362, 3779), (373, 3812), (375, 3833), (382, 3854), (388, 3884), (423, 3917), (429, 3935), (445, 4013), (449, 4025), (450, 4028), (454, 4040), (455, 4043), (474, 4079), (484, 4127), (496, 4178), (501, 4196), (526, 4292), (533, 4313), (541, 4340), (543, 4349), (553, 4385),

Gene: Anglerfish_13 Start: 9661, Stop: 11103, Start Num: 89

Candidate Starts for Anglerfish_13:

(Start: 50 @9595 has 1 MA's), (Start: 89 @9661 has 214 MA's), (162, 9859), (224, 10072), (349, 10267), (352, 10279), (377, 10378), (398, 10450), (446, 10573), (460, 10612), (483, 10690), (485, 10696), (496, 10744), (499, 10756), (502, 10765), (525, 10855), (551, 10945), (562, 10978), (573, 10990),

Gene: AngryOrchard_8 Start: 4780, Stop: 6210, Start Num: 58

Candidate Starts for AngryOrchard_8:

(Start: 58 @4780 has 296 MA's), (149, 4957), (155, 4978), (165, 5005), (169, 5020), (213, 5182), (219, 5197), (299, 5326), (351, 5398), (374, 5485), (375, 5494), (377, 5500), (389, 5548), (427, 5617), (431, 5626), (446, 5701), (449, 5710), (491, 5845), (501, 5890), (502, 5893), (526, 5986), (544, 6043), (551, 6073), (560, 6100), (573, 6112), (577, 6118),

Gene: Animus_8 Start: 4204, Stop: 5691, Start Num: 83

Candidate Starts for Animus_8:

(Start: 83 @4204 has 105 MA's), (Start: 129 @4321 has 2 MA's), (165, 4420), (172, 4474), (185, 4513), (298, 4726), (370, 4894), (387, 4969), (389, 4978), (392, 4987), (399, 5005), (401, 5011), (436, 5152), (446, 5203), (448, 5209), (520, 5446), (543, 5545), (551, 5578), (611, 5677),

Gene: Anma_9 Start: 2999, Stop: 4546, Start Num: 32

Candidate Starts for Anma_9:

(22, 2897), (Start: 29 @2984 has 30 MA's), (Start: 32 @2999 has 139 MA's), (48, 3026), (96, 3095), (99, 3104), (105, 3113), (125, 3176), (Start: 129 @3185 has 2 MA's), (136, 3209), (150, 3242), (165, 3284), (185, 3353), (189, 3374), (197, 3410), (231, 3479), (236, 3491), (278, 3569), (289, 3590), (305, 3620), (321, 3644), (362, 3764), (373, 3797), (375, 3818), (382, 3839), (388, 3869), (423, 3902), (429, 3920), (445, 3998), (449, 4010), (450, 4013), (454, 4025), (455, 4028), (474, 4064), (484, 4112), (496, 4163), (501, 4181), (526, 4277), (533, 4298), (541, 4325), (543, 4334), (586, 4424),

Gene: AnnaL29_16 Start: 11076, Stop: 12536, Start Num: 59

Candidate Starts for AnnaL29_16:

(Start: 59 @11076 has 322 MA's), (Start: 84 @11106 has 3 MA's), (101, 11136), (132, 11229), (136, 11241), (224, 11523), (349, 11700), (351, 11709), (373, 11784), (377, 11811), (379, 11817), (385, 11838), (417, 11913), (496, 12183), (502, 12204), (505, 12219), (510, 12231), (516, 12240), (544, 12357), (551, 12387), (560, 12417), (580, 12441),

Gene: Annyong_12 Start: 8579, Stop: 10030, Start Num: 58

Candidate Starts for Annyong_12:

(Start: 58 @8579 has 296 MA's), (136, 8738), (190, 8906), (197, 8936), (209, 8975), (215, 8993), (247, 9053), (344, 9182), (349, 9200), (377, 9311), (379, 9317), (385, 9338), (386, 9344), (411, 9413), (435, 9473), (443, 9518), (483, 9644), (484, 9647), (496, 9698), (502, 9719), (510, 9749), (532, 9839), (544, 9875), (546, 9887), (551, 9905), (562, 9935),

Gene: Anon_13 Start: 8728, Stop: 10206, Start Num: 59

Candidate Starts for Anon_13:

(26, 8650), (Start: 59 @8728 has 322 MA's), (101, 8794), (131, 8881), (136, 8899), (224, 9181), (350, 9364), (351, 9370), (373, 9445), (377, 9472), (379, 9478), (385, 9499), (389, 9520), (496, 9844), (497, 9850), (501, 9862), (502, 9865), (510, 9892), (516, 9901), (542, 10012), (544, 10018), (551, 10048), (560, 10078), (573, 10093), (580, 10102),

Gene: Anselm_13 Start: 9335, Stop: 10798, Start Num: 59

Candidate Starts for Anselm_13:

(Start: 59 @9335 has 322 MA's), (101, 9395), (136, 9500), (197, 9698), (224, 9782), (247, 9815), (327, 9926), (373, 10043), (377, 10070), (379, 10076), (385, 10097), (386, 10103), (400, 10148), (446, 10271), (496, 10442), (501, 10460), (502, 10463), (510, 10490), (516, 10499), (544, 10616), (551, 10646), (560, 10676), (580, 10700),

Gene: Anthony_12 Start: 7369, Stop: 8817, Start Num: 59

Candidate Starts for Anthony_12:

(Start: 59 @7369 has 322 MA's), (101, 7429), (132, 7522), (136, 7534), (165, 7603), (199, 7738), (224, 7816), (247, 7849), (344, 7975), (349, 7993), (373, 8077), (376, 8101), (377, 8104), (379, 8110), (385, 8131), (464, 8359), (483, 8422), (496, 8476), (502, 8497), (516, 8533), (531, 8611), (544, 8641), (551, 8671), (571, 8713), (573, 8716),

Gene: Anubis_16 Start: 8540, Stop: 9994, Start Num: 58

Candidate Starts for Anubis_16:

(Start: 58 @8540 has 296 MA's), (Start: 90 @8570 has 2 MA's), (101, 8597), (136, 8702), (179, 8816), (193, 8882), (209, 8939), (247, 9017), (248, 9020), (349, 9161), (377, 9272), (379, 9278), (385, 9299), (443, 9464), (483, 9590), (496, 9644), (497, 9650), (502, 9665), (516, 9701), (535, 9788), (544, 9818), (551, 9848), (573, 9893), (581, 9902),

Gene: Apocalypse_9 Start: 3004, Stop: 4557, Start Num: 32

Candidate Starts for Apocalypse_9:

(22, 2902), (Start: 29 @2989 has 30 MA's), (Start: 32 @3004 has 139 MA's), (96, 3103), (99, 3112), (125, 3184), (136, 3217), (150, 3250), (153, 3259), (165, 3292), (185, 3361), (189, 3382), (199, 3424), (231, 3490), (238, 3505), (278, 3580), (289, 3601), (321, 3655), (362, 3775), (373, 3808), (375, 3829), (382, 3850), (388, 3880), (423, 3913), (429, 3931), (440, 3991), (445, 4009), (449, 4021), (450, 4024), (454, 4036), (455, 4039), (474, 4075), (484, 4123), (496, 4174), (501, 4192), (526, 4288), (533, 4309), (541, 4336), (543, 4345), (553, 4381),

Gene: AppleCloud_7 Start: 4544, Stop: 5974, Start Num: 58

Candidate Starts for AppleCloud_7:

(25, 4463), (Start: 58 @4544 has 296 MA's), (149, 4721), (155, 4742), (165, 4769), (169, 4784), (186, 4847), (213, 4946), (219, 4961), (299, 5090), (351, 5162), (374, 5249), (375, 5258), (377, 5264), (389, 5312), (427, 5381), (431, 5390), (443, 5456), (446, 5465), (491, 5609), (501, 5654), (502, 5657), (526, 5750), (544, 5807), (551, 5837), (560, 5864), (573, 5876), (577, 5882),

Gene: Applecrisp_7 Start: 2961, Stop: 4529, Start Num: 29

Candidate Starts for Applecrisp_7:

(20, 2844), (22, 2871), (Start: 29 @2961 has 30 MA's), (Start: 32 @2976 has 139 MA's), (96, 3075), (99, 3084), (125, 3156), (Start: 129 @3165 has 2 MA's), (136, 3189), (150, 3222), (170, 3282), (189, 3354), (192, 3369), (231, 3459), (238, 3474), (278, 3549), (289, 3570), (301, 3594), (337, 3663), (349, 3699), (352, 3711), (362, 3744), (373, 3777), (375, 3798), (382, 3819), (388, 3849), (423, 3882), (429, 3900), (436, 3930), (445, 3978), (449, 3990), (450, 3993), (454, 4005), (455, 4008), (464, 4035), (484, 4092), (501, 4161), (506, 4182), (526, 4257), (533, 4278), (541, 4305), (543, 4314), (553, 4350),

Gene: Applejack_12 Start: 8674, Stop: 10116, Start Num: 89

Candidate Starts for Applejack_12:

(Start: 50 @8608 has 1 MA's), (Start: 89 @8674 has 214 MA's), (162, 8872), (224, 9085), (349, 9280), (377, 9391), (398, 9463), (446, 9586), (460, 9625), (483, 9703), (485, 9709), (496, 9757), (499, 9769), (502, 9778), (525, 9868), (551, 9958), (562, 9991), (573, 10003),

Gene: Appletree2_5 Start: 2598, Stop: 4271, Start Num: 61

Candidate Starts for Appletree2_5:

(Start: 61 @2598 has 69 MA's), (101, 2661), (116, 2715), (127, 2739), (154, 2808), (162, 2832), (185, 2910), (192, 2946), (241, 3039), (244, 3042), (291, 3117), (322, 3156), (349, 3219), (356, 3246), (357, 3249), (365, 3270), (371, 3291), (380, 3333), (381, 3336), (424, 3438), (428, 3453), (430, 3459), (450, 3540), (460, 3567), (461, 3573), (490, 3666), (495, 3693), (497, 3702), (518, 3756), (521, 3777), (524, 3798), (530, 3825), (533, 3834), (549, 3894), (557, 3924), (564, 3933), (626, 4041), (653, 4236),

Gene: Aragog_10 Start: 8047, Stop: 9480, Start Num: 59

Candidate Starts for Aragog_10:

(Start: 59 @8047 has 322 MA's), (131, 8176), (132, 8182), (165, 8263), (200, 8404), (209, 8431), (247, 8509), (299, 8590), (349, 8653), (350, 8656), (351, 8662), (352, 8665), (373, 8737), (379, 8770), (385, 8791), (392, 8821), (483, 9082), (496, 9136), (501, 9154), (516, 9193), (544, 9310), (551, 9340), (573, 9385), (581, 9394),

Gene: Arcanine_13 Start: 8610, Stop: 10052, Start Num: 89

Candidate Starts for Arcanine_13:

(Start: 50 @8544 has 1 MA's), (Start: 89 @8610 has 214 MA's), (162, 8808), (224, 9021), (349, 9216), (350, 9219), (352, 9228), (377, 9327), (398, 9399), (446, 9522), (460, 9561), (483, 9639), (485, 9645), (496, 9693), (499, 9705), (502, 9714), (516, 9747), (525, 9804), (551, 9894), (562, 9927), (573, 9939),

Gene: ArcherNM_15 Start: 11011, Stop: 12474, Start Num: 59

Candidate Starts for ArcherNM_15:

(Start: 59 @11011 has 322 MA's), (101, 11071), (136, 11176), (224, 11458), (247, 11491), (350, 11641), (373, 11722), (377, 11749), (379, 11755), (385, 11776), (496, 12121), (501, 12139), (502, 12142), (505, 12157), (510, 12169), (516, 12178), (544, 12295), (551, 12325), (560, 12355), (580, 12379),

Gene: Archetta_10 Start: 7756, Stop: 9189, Start Num: 59

Candidate Starts for Archetta_10:

(Start: 59 @7756 has 322 MA's), (149, 7924), (153, 7939), (155, 7945), (200, 8113), (209, 8140), (247, 8218), (299, 8299), (351, 8371), (352, 8374), (373, 8446), (379, 8479), (385, 8500), (392, 8530), (417, 8575), (483, 8791), (496, 8845), (501, 8863), (516, 8902), (544, 9019), (551, 9049), (560, 9079), (581, 9103),

Gene: Archie_5 Start: 2603, Stop: 4258, Start Num: 61

Candidate Starts for Archie_5:

(Start: 61 @2603 has 69 MA's), (101, 2666), (107, 2681), (112, 2699), (127, 2744), (151, 2804), (154, 2813), (162, 2837), (165, 2843), (185, 2915), (192, 2951), (199, 2978), (234, 3029), (244, 3047), (246, 3053), (291, 3122), (322, 3161), (347, 3218), (349, 3224), (352, 3236), (355, 3245), (356, 3251), (357, 3254), (365, 3275), (371, 3296), (373, 3302), (381, 3341), (420, 3437), (430, 3464), (460, 3572), (461, 3578), (490, 3671), (495, 3698), (518, 3761), (521, 3782), (524, 3803), (530, 3830), (531, 3833), (533, 3839), (549, 3899), (557, 3929), (564, 3938), (570, 3944), (621, 4034), (626, 4046), (637, 4079), (644, 4118), (653, 4223),

Gene: Arianna_4 Start: 2870, Stop: 4285, Start Num: 71

Candidate Starts for Arianna_4:

(Start: 71 @2870 has 5 MA's), (113, 2960), (154, 3089), (162, 3113), (185, 3185), (192, 3221), (304, 3458), (337, 3512), (366, 3608), (379, 3662), (389, 3704), (422, 3746), (478, 3944), (530, 4142),

Gene: Arissanae_12 Start: 8025, Stop: 9506, Start Num: 59

Candidate Starts for Arissanae_12:

(Start: 59 @8025 has 322 MA's), (101, 8085), (131, 8172), (136, 8190), (200, 8400), (224, 8472), (259, 8529), (327, 8616), (349, 8649), (359, 8685), (362, 8694), (373, 8733), (377, 8760), (379, 8766), (385, 8787), (386, 8793), (400, 8838), (427, 8877), (496, 9132), (501, 9150), (510, 9180), (516, 9189), (542, 9300), (544, 9306), (551, 9336), (573, 9381), (580, 9390),

Gene: Arlo_11 Start: 8299, Stop: 9741, Start Num: 89

Candidate Starts for Arlo_11:

(Start: 50 @8233 has 1 MA's), (Start: 89 @8299 has 214 MA's), (162, 8497), (224, 8710), (233, 8722), (349, 8905), (352, 8917), (377, 9016), (446, 9211), (460, 9250), (483, 9328), (485, 9334), (496, 9382), (499, 9394), (502, 9403), (525, 9493), (551, 9583), (562, 9616), (573, 9628),

Gene: Artemis2UCLA_16 Start: 9167, Stop: 10633, Start Num: 59

Candidate Starts for Artemis2UCLA_16:

(Start: 59 @9167 has 322 MA's), (Start: 72 @9188 has 15 MA's), (101, 9227), (131, 9314), (133, 9326), (136, 9332), (224, 9614), (258, 9668), (358, 9827), (373, 9878), (377, 9905), (379, 9911), (385, 9932), (460, 10145), (502, 10298), (505, 10313), (510, 10325), (516, 10334), (527, 10400), (535, 10421), (544, 10451), (551, 10481), (560, 10511),

Gene: Arturo_11 Start: 8689, Stop: 10143, Start Num: 58

Candidate Starts for Arturo_11:

(Start: 58 @8689 has 296 MA's), (132, 8839), (136, 8851), (190, 9019), (197, 9049), (209, 9088), (215, 9106), (247, 9166), (344, 9295), (349, 9313), (377, 9424), (379, 9430), (385, 9451), (386, 9457), (411, 9526), (435, 9586), (443, 9631), (483, 9757), (484, 9760), (496, 9811), (502, 9832), (510, 9862), (532, 9952), (544, 9988), (551, 10018), (562, 10048),

Gene: Asa16_3 Start: 2265, Stop: 3641, Start Num: 76

Candidate Starts for Asa16_3:

(Start: 76 @2265 has 57 MA's), (Start: 129 @2385 has 2 MA's), (165, 2484), (279, 2748), (393, 3021), (453, 3180), (474, 3228), (478, 3258), (486, 3282), (530, 3456), (575, 3576),

Gene: Asayake_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for Asayake_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: Ascela_3 Start: 2280, Stop: 3656, Start Num: 76

Candidate Starts for Ascela_3:

(Start: 76 @2280 has 57 MA's), (Start: 129 @2400 has 2 MA's), (165, 2499), (279, 2763), (393, 3036), (453, 3195), (474, 3243), (478, 3273), (486, 3297), (530, 3471), (575, 3591),

Gene: Ashballer_11 Start: 8679, Stop: 10121, Start Num: 89

Candidate Starts for Ashballer_11:

(Start: 50 @8613 has 1 MA's), (Start: 89 @8679 has 214 MA's), (162, 8877), (224, 9090), (349, 9285), (352, 9297), (377, 9396), (398, 9468), (446, 9591), (460, 9630), (483, 9708), (485, 9714), (496, 9762), (499, 9774), (502, 9783), (525, 9873), (551, 9963), (562, 9996), (573, 10008),

Gene: Ashes_3 Start: 2307, Stop: 3875, Start Num: 73

Candidate Starts for Ashes_3:

(Start: 73 @2307 has 17 MA's), (Start: 129 @2433 has 2 MA's), (197, 2658), (208, 2694), (228, 2703), (237, 2721), (279, 2796), (300, 2820), (349, 2925), (450, 3231), (453, 3240), (460, 3258), (464, 3273), (465, 3276), (530, 3516), (608, 3690),

Gene: Asten_7 Start: 4055, Stop: 5491, Start Num: 83

Candidate Starts for Asten_7:

(Start: 72 @4049 has 15 MA's), (Start: 83 @4055 has 105 MA's), (96, 4079), (106, 4103), (Start: 129 @4172 has 2 MA's), (148, 4220), (151, 4232), (165, 4271), (200, 4424), (269, 4538), (298, 4580), (312, 4607), (334, 4640), (366, 4736), (370, 4748), (387, 4823), (392, 4841), (426, 4919), (436, 4964), (448, 5021), (513, 5234), (520, 5258), (551, 5390), (590, 5456), (611, 5477),

Gene: Astro_10 Start: 7458, Stop: 8888, Start Num: 59

Candidate Starts for Astro_10:

(Start: 59 @7458 has 322 MA's), (135, 7608), (186, 7755), (224, 7890), (299, 8001), (349, 8064), (362, 8109), (377, 8175), (385, 8202), (398, 8247), (443, 8367), (476, 8469), (496, 8547), (497, 8553), (516, 8604), (544, 8721), (551, 8751), (581, 8805),

Gene: Atiba_9 Start: 2992, Stop: 4545, Start Num: 32

Candidate Starts for Atiba_9:

(22, 2890), (Start: 29 @2977 has 30 MA's), (Start: 32 @2992 has 139 MA's), (96, 3094), (99, 3103), (125, 3175), (Start: 129 @3184 has 2 MA's), (136, 3208), (150, 3241), (153, 3250), (185, 3352), (189, 3373), (198, 3412), (199, 3415), (231, 3478), (238, 3493), (250, 3517), (278, 3568), (289, 3589), (321, 3643), (362, 3763), (373, 3796), (375, 3817), (382, 3838), (388, 3868), (423, 3901), (429, 3919), (440, 3979), (445, 3997), (449, 4009), (450, 4012), (454, 4024), (455, 4027), (474, 4063), (484, 4111), (496, 4162), (501, 4180), (526, 4276), (533, 4297), (541, 4324), (543, 4333), (553, 4369),

Gene: Atkinbua_13 Start: 8654, Stop: 10096, Start Num: 89

Candidate Starts for Atkinbua_13:

(Start: 50 @8588 has 1 MA's), (Start: 89 @8654 has 214 MA's), (162, 8852), (224, 9065), (349, 9260), (350, 9263), (377, 9371), (446, 9566), (460, 9605), (483, 9683), (485, 9689), (496, 9737), (499, 9749), (502, 9758), (525, 9848), (551, 9938), (562, 9971), (573, 9983),

Gene: Attoomi_4 Start: 2521, Stop: 3972, Start Num: 77

Candidate Starts for Attoomi_4:

(Start: 77 @2521 has 1 MA's), (93, 2545), (148, 2692), (150, 2701), (155, 2716), (162, 2737), (165, 2743), (185, 2848), (199, 2905), (234, 2956), (241, 2971), (263, 3013), (269, 3028), (276, 3037), (322, 3103), (323, 3106), (338, 3133), (366, 3220), (367, 3223), (370, 3232), (374, 3253), (376, 3265), (392, 3325), (410, 3370), (433, 3430), (440, 3478), (453, 3520), (462, 3547), (466, 3559), (473, 3568), (476, 3592), (479, 3607), (482, 3613), (486, 3625), (500, 3685), (503, 3697), (530, 3790), (537, 3814), (543, 3835), (546, 3850), (551, 3868), (566, 3898), (575, 3910), (583, 3922),

Gene: AugsMagnumOpus_16 Start: 8646, Stop: 10100, Start Num: 58

Candidate Starts for AugsMagnumOpus_16:

(Start: 58 @8646 has 296 MA's), (Start: 90 @8676 has 2 MA's), (101, 8703), (136, 8808), (179, 8922), (193, 8988), (209, 9045), (247, 9123), (248, 9126), (349, 9267), (377, 9378), (379, 9384), (385, 9405), (443, 9570), (483, 9696), (496, 9750), (497, 9756), (502, 9771), (516, 9807), (535, 9894), (544, 9924), (551, 9954), (573, 9999), (581, 10008),

Gene: Auspice_15 Start: 6260, Stop: 7882, Start Num: 35

Candidate Starts for Auspice_15:

(Start: 35 @6260 has 23 MA's), (43, 6275), (105, 6383), (110, 6401), (125, 6449), (138, 6482), (145, 6494), (153, 6518), (162, 6545), (165, 6551), (185, 6623), (186, 6629), (192, 6659), (222, 6740), (225, 6746), (228, 6749), (237, 6767), (340, 6923), (349, 6941), (352, 6953), (367, 7001), (381, 7058), (382, 7061), (405, 7130), (434, 7184), (440, 7220), (456, 7271), (458, 7274), (472, 7304), (475, 7313), (491, 7379), (492, 7382), (495, 7403), (496, 7406), (513, 7457), (533, 7544), (574, 7655), (593, 7685), (611, 7721), (614, 7727), (621, 7742), (626, 7754), (647, 7838),

Gene: Auxilium_4 Start: 2263, Stop: 3612, Start Num: 80

Candidate Starts for Auxilium_4:

(27, 2152), (28, 2155), (41, 2197), (47, 2209), (Start: 80 @2263 has 4 MA's), (Start: 88 @2275 has 31 MA's), (108, 2323), (130, 2386), (132, 2398), (216, 2656), (247, 2713), (271, 2761), (345, 2848), (347, 2857), (355, 2884), (375, 2965), (379, 2977), (380, 2980), (386, 3004), (446, 3172), (464, 3226), (483, 3289), (486, 3298), (498, 3352), (512, 3391), (526, 3457), (551, 3538), (556, 3547), (585, 3598),

Gene: AvadaKedavra_5 Start: 2625, Stop: 4298, Start Num: 61

Candidate Starts for AvadaKedavra_5:

(Start: 61 @2625 has 69 MA's), (101, 2688), (116, 2742), (127, 2766), (154, 2835), (162, 2859), (185, 2937), (192, 2973), (241, 3066), (244, 3069), (291, 3144), (322, 3183), (349, 3246), (356, 3273), (357, 3276), (365, 3297), (371, 3318), (380, 3360), (381, 3363), (424, 3465), (428, 3480), (430, 3486), (450, 3567), (460, 3594), (461, 3600), (490, 3693), (495, 3720), (497, 3729), (518, 3783), (521, 3804), (524, 3825), (530, 3852), (533, 3861), (549, 3921), (557, 3951), (564, 3960), (626, 4068), (653, 4263),

Gene: AvatarAhPeg_12 Start: 8542, Stop: 9996, Start Num: 58

Candidate Starts for AvatarAhPeg_12:

(Start: 58 @8542 has 296 MA's), (132, 8692), (136, 8704), (144, 8716), (186, 8851), (190, 8872), (197, 8902), (209, 8941), (215, 8959), (247, 9019), (344, 9148), (349, 9166), (352, 9178), (377, 9277), (379, 9283), (385, 9304), (386, 9310), (411, 9379), (443, 9484), (464, 9547), (483, 9610), (484, 9613), (496, 9664), (497, 9670), (502, 9685), (510, 9715), (532, 9805), (544, 9841), (551, 9871), (562, 9901), (630,

9982),

Gene: Avle17_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Avle17_12:

(Start: 58 @8578 has 296 MA's), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Awesomesauce_4 Start: 2202, Stop: 3623, Start Num: 78

Candidate Starts for Awesomesauce_4:

(Start: 78 @2202 has 61 MA's), (Start: 95 @2229 has 1 MA's), (99, 2241), (148, 2370), (153, 2388), (155, 2394), (165, 2421), (185, 2490), (192, 2526), (197, 2547), (199, 2553), (208, 2577), (211, 2580), (227, 2607), (253, 2655), (257, 2661), (268, 2688), (280, 2706), (332, 2799), (338, 2817), (349, 2850), (351, 2859), (352, 2862), (367, 2910), (370, 2919), (375, 2949), (381, 2967), (388, 3000), (431, 3057), (449, 3141), (455, 3159), (464, 3186), (472, 3198), (474, 3201), (475, 3207), (476, 3222), (486, 3255), (518, 3360), (533, 3435), (534, 3441), (537, 3450), (540, 3459), (543, 3471), (572, 3534), (600, 3582),

Gene: Axiom_8 Start: 3866, Stop: 5350, Start Num: 83

Candidate Starts for Axiom_8:

(Start: 83 @3866 has 105 MA's), (Start: 129 @3983 has 2 MA's), (148, 4031), (151, 4043), (185, 4175), (272, 4349), (298, 4388), (334, 4448), (365, 4535), (366, 4541), (370, 4553), (392, 4646), (397, 4658), (399, 4664), (436, 4811), (446, 4862), (448, 4868), (520, 5105), (543, 5204), (551, 5237), (575, 5279), (611, 5336),

Gene: Ayanochan_15 Start: 9926, Stop: 11413, Start Num: 59

Candidate Starts for Ayanochan_15:

(Start: 59 @9926 has 322 MA's), (101, 9989), (136, 10094), (165, 10163), (200, 10304), (213, 10343), (224, 10376), (247, 10409), (349, 10553), (359, 10589), (362, 10598), (373, 10637), (377, 10664), (379, 10670), (385, 10691), (386, 10697), (400, 10742), (417, 10766), (427, 10781), (496, 11036), (501, 11054), (510, 11084), (512, 11087), (516, 11093), (542, 11204), (544, 11210), (551, 11240), (573, 11285), (580, 11294),

Gene: Aziz_19 Start: 6859, Stop: 8460, Start Num: 35

Candidate Starts for Aziz_19:

(Start: 35 @6859 has 23 MA's), (125, 7048), (145, 7093), (153, 7117), (162, 7144), (165, 7150), (185, 7222), (186, 7228), (191, 7255), (192, 7258), (225, 7321), (228, 7324), (237, 7342), (318, 7459), (349, 7516), (367, 7576), (370, 7585), (380, 7630), (381, 7633), (382, 7636), (434, 7759), (440, 7795), (456, 7846), (458, 7849), (463, 7867), (472, 7879), (475, 7888), (491, 7954), (492, 7957), (496, 7981), (522, 8071), (533, 8119), (574, 8230), (614, 8302),

Gene: Azrael100_26 Start: 9734, Stop: 11173, Start Num: 62

Candidate Starts for Azrael100_26:

(44, 9701), (Start: 58 @9725 has 296 MA's), (Start: 62 @9734 has 9 MA's), (96, 9785), (101, 9797), (106, 9809), (151, 9941), (153, 9947), (154, 9950), (155, 9953), (162, 9974), (165, 9980), (184, 10040), (185, 10049), (189, 10070), (221, 10148), (340, 10328), (352, 10358), (357, 10376), (362, 10391), (371, 10418), (377, 10451), (381, 10463), (382, 10466), (393, 10511), (418, 10547), (428, 10568), (442, 10631), (460, 10682), (483, 10754), (496, 10808), (498, 10817), (522, 10898), (527, 10928), (540, 10970), (546, 10997), (567, 11048), (574, 11057), (614, 11114), (631, 11153),

Gene: B1_10 Start: 7830, Stop: 9296, Start Num: 59

Candidate Starts for B1_10:

(Start: 59 @7830 has 322 MA's), (94, 7875), (136, 8001), (169, 8085), (186, 8148), (193, 8181), (197, 8199), (209, 8238), (219, 8265), (347, 8454), (373, 8544), (376, 8568), (377, 8571), (379, 8577), (385, 8598), (386, 8604), (443, 8775), (483, 8901), (484, 8904), (496, 8955), (497, 8961), (502, 8976), (510, 9006), (544, 9132), (551, 9162), (562, 9192),

Gene: BABullseye_16 Start: 9274, Stop: 10737, Start Num: 59

Candidate Starts for BABullseye_16:

(Start: 59 @9274 has 322 MA's), (Start: 72 @9295 has 15 MA's), (101, 9334), (131, 9421), (133, 9433), (136, 9439), (224, 9721), (358, 9934), (373, 9985), (377, 10012), (379, 10018), (385, 10039), (502, 10405), (510, 10432), (516, 10441), (526, 10501), (544, 10558), (551, 10588), (560, 10618), (582, 10645),

Gene: BEEST_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for BEEST_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (543, 4411), (553, 4447),

Gene: BGlluviae_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for BGlluviae_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: BK1_10 Start: 8266, Stop: 9708, Start Num: 89

Candidate Starts for BK1_10:

(Start: 50 @8200 has 1 MA's), (Start: 89 @8266 has 214 MA's), (162, 8464), (224, 8677), (349, 8872), (352, 8884), (377, 8983), (446, 9178), (460, 9217), (483, 9295), (485, 9301), (496, 9349), (499, 9361), (502, 9370), (525, 9460), (551, 9550), (562, 9583), (573, 9595),

Gene: BPBiebs31_13 Start: 8938, Stop: 10380, Start Num: 89

Candidate Starts for BPBiebs31_13:

(Start: 50 @8872 has 1 MA's), (Start: 89 @8938 has 214 MA's), (162, 9136), (224, 9349), (349, 9544), (350, 9547), (377, 9655), (398, 9727), (446, 9850), (460, 9889), (483, 9967), (485, 9973), (496, 10021), (499, 10033), (502, 10042), (525, 10132), (551, 10222), (562, 10255), (573, 10267),

Gene: Baby16_12 Start: 8587, Stop: 10038, Start Num: 58

Candidate Starts for Baby16_12:

(Start: 58 @8587 has 296 MA's), (132, 8734), (136, 8746), (190, 8914), (197, 8944), (209, 8983), (215, 9001), (247, 9061), (344, 9190), (349, 9208), (377, 9319), (379, 9325), (385, 9346), (386, 9352), (411, 9421), (435, 9481), (443, 9526), (483, 9652), (484, 9655), (496, 9706), (497, 9712), (502, 9727), (510, 9757), (532, 9847), (544, 9883), (546, 9895), (551, 9913), (562, 9943),

Gene: BabyBack_15 Start: 10867, Stop: 12318, Start Num: 59

Candidate Starts for BabyBack_15:

(Start: 59 @10867 has 322 MA's), (Start: 72 @10888 has 15 MA's), (101, 10927), (136, 11032), (224, 11314), (283, 11419), (352, 11506), (373, 11578), (377, 11605), (379, 11611), (385, 11632), (496,

11977), (502, 11998), (510, 12025), (516, 12034), (527, 12100), (544, 12151), (551, 12181), (560, 12211), (580, 12235),

Gene: BabyJohn_11 Start: 8414, Stop: 9880, Start Num: 59

Candidate Starts for BabyJohn_11:

(Start: 59 @8414 has 322 MA's), (94, 8459), (136, 8585), (169, 8669), (186, 8732), (193, 8765), (197, 8783), (209, 8822), (219, 8849), (347, 9038), (359, 9080), (373, 9128), (376, 9152), (377, 9155), (379, 9161), (385, 9182), (386, 9188), (443, 9359), (483, 9485), (484, 9488), (496, 9539), (497, 9545), (502, 9560), (510, 9590), (544, 9716), (551, 9746), (562, 9776),

Gene: BabyMoney_5 Start: 2524, Stop: 3999, Start Num: 85

Candidate Starts for BabyMoney_5:

(Start: 35 @2440 has 23 MA's), (Start: 85 @2524 has 6 MA's), (132, 2647), (152, 2695), (156, 2707), (164, 2728), (185, 2803), (191, 2836), (192, 2839), (193, 2842), (197, 2860), (199, 2866), (206, 2887), (220, 2905), (230, 2923), (254, 2971), (300, 3061), (302, 3064), (367, 3226), (373, 3244), (383, 3289), (388, 3316), (397, 3340), (407, 3397), (413, 3418), (433, 3466), (437, 3490), (472, 3601), (475, 3610), (495, 3700), (506, 3739), (540, 3850), (550, 3889), (568, 3934),

Gene: BabyRay_12 Start: 8427, Stop: 9884, Start Num: 58

Candidate Starts for BabyRay_12:

(Start: 58 @8427 has 296 MA's), (136, 8592), (186, 8739), (193, 8772), (197, 8790), (219, 8856), (281, 8973), (347, 9045), (349, 9051), (373, 9135), (376, 9159), (377, 9162), (379, 9168), (385, 9189), (386, 9195), (411, 9261), (443, 9366), (484, 9495), (496, 9546), (497, 9552), (502, 9567), (544, 9723), (551, 9753), (562, 9783),

Gene: Bachome_13 Start: 9781, Stop: 11238, Start Num: 59

Candidate Starts for Bachome_13:

(Start: 59 @9781 has 322 MA's), (97, 9826), (101, 9841), (136, 9946), (224, 10228), (247, 10261), (352, 10417), (373, 10489), (377, 10516), (379, 10522), (385, 10543), (400, 10594), (490, 10858), (496, 10888), (502, 10909), (505, 10924), (510, 10936), (516, 10945), (535, 11032), (544, 11062), (551, 11092), (560, 11122), (610, 11188),

Gene: Backyardigan_12 Start: 8587, Stop: 10044, Start Num: 58

Candidate Starts for Backyardigan_12:

(Start: 58 @8587 has 296 MA's), (132, 8737), (136, 8749), (186, 8896), (190, 8917), (197, 8947), (209, 8986), (215, 9004), (247, 9064), (344, 9193), (349, 9211), (352, 9223), (359, 9247), (377, 9322), (379, 9328), (385, 9349), (386, 9355), (435, 9484), (443, 9529), (483, 9655), (484, 9658), (496, 9709), (502, 9730), (510, 9757), (532, 9847), (544, 9883), (546, 9895), (551, 9913), (562, 9943),

Gene: BaconJack_14 Start: 8717, Stop: 10159, Start Num: 89

Candidate Starts for BaconJack_14:

(Start: 50 @8651 has 1 MA's), (Start: 89 @8717 has 214 MA's), (162, 8915), (224, 9128), (349, 9323), (350, 9326), (377, 9434), (398, 9506), (446, 9629), (460, 9668), (483, 9746), (485, 9752), (496, 9800), (499, 9812), (502, 9821), (525, 9911), (551, 10001), (562, 10034), (573, 10046),

Gene: Bactobuster_14 Start: 10971, Stop: 12425, Start Num: 59

Candidate Starts for Bactobuster_14:

(Start: 59 @10971 has 322 MA's), (101, 11031), (136, 11136), (179, 11250), (200, 11346), (224, 11418), (352, 11607), (373, 11679), (377, 11706), (379, 11712), (385, 11733), (400, 11784), (496, 12078), (501, 12096), (510, 12126), (516, 12135), (526, 12195), (535, 12222), (544, 12252), (551, 12282), (560, 12312), (580, 12336),

Gene: Badger_12 Start: 8576, Stop: 10033, Start Num: 58

Candidate Starts for Badger_12:

(Start: 58 @8576 has 296 MA's), (132, 8726), (136, 8738), (186, 8885), (190, 8906), (197, 8936), (209, 8975), (215, 8993), (247, 9053), (344, 9182), (349, 9200), (352, 9212), (359, 9236), (377, 9311), (379, 9317), (385, 9338), (386, 9344), (435, 9473), (443, 9518), (483, 9644), (484, 9647), (496, 9698), (502, 9719), (510, 9746), (532, 9836), (544, 9872), (546, 9884), (551, 9902), (562, 9932),

Gene: Baehexic_14 Start: 9728, Stop: 11188, Start Num: 59

Candidate Starts for Baehexic_14:

(Start: 59 @9728 has 322 MA's), (101, 9788), (132, 9881), (136, 9893), (224, 10175), (247, 10208), (350, 10355), (373, 10436), (377, 10463), (379, 10469), (385, 10490), (464, 10718), (496, 10835), (502, 10856), (510, 10883), (516, 10892), (544, 11009), (551, 11039), (560, 11069), (580, 11093),

Gene: BaghaKamala_9 Start: 2999, Stop: 4555, Start Num: 32

Candidate Starts for BaghaKamala_9:

(22, 2897), (Start: 29 @2984 has 30 MA's), (Start: 32 @2999 has 139 MA's), (96, 3098), (99, 3107), (125, 3179), (Start: 129 @3188 has 2 MA's), (136, 3212), (150, 3245), (153, 3254), (165, 3287), (185, 3356), (189, 3377), (199, 3419), (231, 3485), (238, 3500), (278, 3575), (289, 3596), (321, 3650), (362, 3770), (373, 3803), (375, 3824), (382, 3845), (388, 3875), (423, 3908), (429, 3926), (440, 3986), (445, 4004), (449, 4016), (450, 4019), (454, 4031), (455, 4034), (474, 4070), (484, 4118), (496, 4169), (501, 4187), (526, 4283), (533, 4304), (541, 4331), (543, 4340), (553, 4376), (586, 4430),

Gene: BananenDer11_7 Start: 2765, Stop: 4300, Start Num: 32

Candidate Starts for BananenDer11_7:

(Start: 32 @2765 has 139 MA's), (Start: 81 @2837 has 1 MA's), (99, 2873), (105, 2882), (116, 2927), (150, 3011), (154, 3023), (165, 3053), (170, 3071), (185, 3122), (192, 3158), (199, 3185), (224, 3236), (227, 3239), (231, 3245), (238, 3260), (240, 3263), (278, 3335), (289, 3356), (305, 3386), (331, 3431), (349, 3485), (362, 3530), (373, 3563), (380, 3599), (381, 3602), (382, 3605), (423, 3668), (429, 3686), (431, 3692), (445, 3764), (449, 3776), (450, 3779), (455, 3794), (475, 3839), (476, 3854), (482, 3875), (495, 3929), (496, 3932), (501, 3950), (505, 3965), (523, 4031), (526, 4046), (533, 4067), (538, 4085), (543, 4103), (553, 4139), (607, 4226),

Gene: BangNhom_11 Start: 8555, Stop: 10006, Start Num: 58

Candidate Starts for BangNhom_11:

(Start: 58 @8555 has 296 MA's), (136, 8714), (190, 8882), (197, 8912), (209, 8951), (215, 8969), (247, 9029), (344, 9158), (349, 9176), (377, 9287), (379, 9293), (385, 9314), (386, 9320), (411, 9389), (435, 9449), (483, 9620), (484, 9623), (496, 9674), (497, 9680), (502, 9695), (510, 9725), (532, 9815), (544, 9851), (546, 9863), (551, 9881), (562, 9911),

Gene: Baoshan_4 Start: 2470, Stop: 4125, Start Num: 61

Candidate Starts for Baoshan_4:

(Start: 61 @2470 has 69 MA's), (101, 2533), (127, 2611), (154, 2680), (162, 2704), (165, 2710), (185, 2782), (192, 2818), (199, 2845), (234, 2896), (291, 2989), (322, 3028), (347, 3085), (349, 3091), (352, 3103), (355, 3112), (356, 3118), (357, 3121), (365, 3142), (371, 3163), (373, 3169), (381, 3208), (420, 3304), (430, 3331), (460, 3439), (461, 3445), (490, 3538), (495, 3565), (518, 3628), (521, 3649), (524, 3670), (530, 3697), (533, 3706), (549, 3766), (557, 3796), (564, 3805), (570, 3811), (621, 3901), (626, 3913), (637, 3946), (644, 3985), (653, 4090),

Gene: Barnstormer_3 Start: 2379, Stop: 3758, Start Num: 76

Candidate Starts for Barnstormer_3:

(3, 1500), (4, 1521), (7, 1644), (14, 1959), (Start: 76 @2379 has 57 MA's), (Start: 129 @2499 has 2 MA's), (383, 3087), (472, 3348), (475, 3357), (518, 3504), (522, 3534), (541, 3609),

Gene: BarrelRoll_9 Start: 3020, Stop: 4573, Start Num: 32

Candidate Starts for BarrelRoll_9:

(22, 2918), (Start: 29 @3005 has 30 MA's), (Start: 32 @3020 has 139 MA's), (96, 3119), (99, 3128), (125, 3200), (Start: 129 @3209 has 2 MA's), (136, 3233), (150, 3266), (153, 3275), (165, 3308), (185, 3377), (189, 3398), (199, 3440), (231, 3506), (238, 3521), (278, 3596), (289, 3617), (321, 3671), (362, 3791), (373, 3824), (375, 3845), (382, 3866), (388, 3896), (423, 3929), (429, 3947), (440, 4007), (445, 4025), (449, 4037), (450, 4040), (454, 4052), (455, 4055), (474, 4091), (484, 4139), (496, 4190), (501, 4208), (526, 4304), (533, 4325), (541, 4352), (543, 4361), (553, 4397),

Gene: Barriga_12 Start: 8542, Stop: 9984, Start Num: 89

Candidate Starts for Barriga_12:

(Start: 50 @8476 has 1 MA's), (Start: 89 @8542 has 214 MA's), (162, 8740), (224, 8953), (349, 9148), (377, 9259), (398, 9331), (446, 9454), (460, 9493), (483, 9571), (485, 9577), (496, 9625), (499, 9637), (502, 9646), (525, 9736), (551, 9826), (562, 9859), (573, 9871),

Gene: BarrowTuph_11 Start: 8589, Stop: 10031, Start Num: 89

Candidate Starts for BarrowTuph_11:

(Start: 50 @8523 has 1 MA's), (Start: 89 @8589 has 214 MA's), (162, 8787), (224, 9000), (349, 9195), (352, 9207), (377, 9306), (398, 9378), (446, 9501), (460, 9540), (483, 9618), (485, 9624), (496, 9672), (499, 9684), (502, 9693), (525, 9783), (551, 9873), (562, 9906), (573, 9918),

Gene: BarryBee_9 Start: 4055, Stop: 5491, Start Num: 83

Candidate Starts for BarryBee_9:

(Start: 72 @4049 has 15 MA's), (Start: 83 @4055 has 105 MA's), (96, 4079), (106, 4103), (Start: 129 @4172 has 2 MA's), (148, 4220), (151, 4232), (165, 4271), (200, 4424), (269, 4538), (298, 4580), (312, 4607), (334, 4640), (337, 4646), (366, 4736), (370, 4748), (387, 4823), (392, 4841), (426, 4919), (436, 4964), (448, 5021), (513, 5234), (520, 5258), (551, 5390), (590, 5456), (611, 5477),

Gene: BartholomewSD_9 Start: 4026, Stop: 5492, Start Num: 83

Candidate Starts for BartholomewSD_9:

(Start: 83 @4026 has 105 MA's), (Start: 129 @4137 has 2 MA's), (148, 4185), (151, 4197), (165, 4236), (185, 4326), (269, 4497), (272, 4500), (288, 4521), (298, 4539), (312, 4566), (366, 4692), (370, 4704), (387, 4779), (392, 4797), (399, 4815), (402, 4824), (418, 4905), (436, 4962), (446, 5013), (448, 5019), (465, 5070), (501, 5199), (520, 5256), (541, 5346), (543, 5355), (599, 5460), (611, 5478),

Gene: Bartimeaus_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Bartimeaus_12:

(Start: 58 @8578 has 296 MA's), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: BasketStar_4 Start: 2275, Stop: 3606, Start Num: 88

Candidate Starts for BasketStar_4:

(Start: 80 @2263 has 4 MA's), (Start: 88 @2275 has 31 MA's), (94, 2284), (130, 2386), (132, 2398), (182, 2539), (190, 2584), (194, 2599), (199, 2620), (219, 2656), (224, 2674), (271, 2755), (300, 2800), (355, 2878), (375, 2959), (379, 2971), (380, 2974), (386, 2998), (399, 3040), (441, 3151), (446, 3166), (457, 3196), (486, 3292), (551, 3532), (552, 3535), (556, 3541), (585, 3592),

Gene: Battleship_16 Start: 8502, Stop: 9962, Start Num: 59

Candidate Starts for Battleship_16:

(Start: 59 @8502 has 322 MA's), (101, 8562), (136, 8667), (163, 8733), (213, 8916), (224, 8949), (247, 8982), (373, 9213), (377, 9240), (379, 9246), (385, 9267), (389, 9288), (400, 9318), (417, 9342), (443, 9432), (453, 9462), (483, 9558), (491, 9585), (496, 9612), (501, 9630), (502, 9633), (510, 9666), (516,

9675), (544, 9792), (551, 9822), (580, 9876),

Gene: Baudelaire_5 Start: 2394, Stop: 3842, Start Num: 54

Candidate Starts for Baudelaire_5:

(46, 2379), (Start: 54 @2394 has 2 MA's), (65, 2415), (69, 2421), (112, 2505), (139, 2586), (145, 2595), (151, 2613), (153, 2619), (154, 2622), (165, 2652), (183, 2712), (185, 2724), (189, 2745), (192, 2760), (198, 2784), (204, 2805), (228, 2829), (266, 2904), (270, 2910), (291, 2931), (322, 2970), (341, 3006), (349, 3027), (355, 3048), (356, 3054), (357, 3057), (359, 3063), (379, 3138), (396, 3198), (453, 3354), (460, 3372), (463, 3384), (464, 3387), (472, 3399), (475, 3408), (476, 3423), (490, 3471), (496, 3501), (497, 3507), (530, 3630), (531, 3633), (533, 3639), (541, 3666), (546, 3690), (549, 3699), (553, 3714), (557, 3729), (562, 3735), (564, 3738), (567, 3741),

Gene: Bazzle_5 Start: 2579, Stop: 4234, Start Num: 61

Candidate Starts for Bazzle_5:

(Start: 61 @2579 has 69 MA's), (101, 2642), (107, 2657), (112, 2675), (127, 2720), (154, 2789), (162, 2813), (165, 2819), (185, 2891), (192, 2927), (199, 2954), (234, 3005), (291, 3098), (322, 3137), (347, 3194), (349, 3200), (352, 3212), (355, 3221), (356, 3227), (357, 3230), (365, 3251), (371, 3272), (373, 3278), (381, 3317), (396, 3371), (430, 3440), (460, 3548), (461, 3554), (490, 3647), (495, 3674), (518, 3737), (521, 3758), (524, 3779), (530, 3806), (533, 3815), (549, 3875), (557, 3905), (564, 3914), (570, 3920), (621, 4010), (626, 4022), (637, 4055), (644, 4094), (653, 4199),

Gene: Beakin_4 Start: 2199, Stop: 3623, Start Num: 78

Candidate Starts for Beakin_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3057), (449, 3141), (455, 3159), (464, 3186), (472, 3198), (474, 3201), (475, 3207), (476, 3222), (486, 3255), (518, 3360), (533, 3435), (534, 3441), (537, 3450), (540, 3459), (543, 3471), (572, 3534), (600, 3582),

Gene: Beanstalk_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Beanstalk_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: BeardedLady_8 Start: 4328, Stop: 5770, Start Num: 83

Candidate Starts for BeardedLady_8:

(70, 4319), (Start: 72 @4322 has 15 MA's), (Start: 83 @4328 has 105 MA's), (Start: 129 @4445 has 2 MA's), (148, 4493), (269, 4811), (298, 4853), (312, 4880), (334, 4913), (366, 5006), (370, 5018), (392, 5111), (426, 5189), (436, 5234), (448, 5291), (456, 5315), (520, 5528), (611, 5756),

Gene: Beatrix_11 Start: 9382, Stop: 10824, Start Num: 89

Candidate Starts for Beatrix_11:

(Start: 50 @9316 has 1 MA's), (Start: 89 @9382 has 214 MA's), (162, 9580), (224, 9793), (349, 9988), (352, 10000), (377, 10099), (446, 10294), (460, 10333), (483, 10411), (485, 10417), (496, 10465), (499, 10477), (502, 10486), (525, 10576), (551, 10666), (562, 10699), (573, 10711),

Gene: Beaupre_3 Start: 2307, Stop: 3875, Start Num: 73

Candidate Starts for Beaupre_3:

(Start: 73 @2307 has 17 MA's), (Start: 129 @2433 has 2 MA's), (197, 2658), (208, 2694), (228, 2703), (237, 2721), (279, 2796), (300, 2820), (349, 2925), (453, 3240), (460, 3258), (464, 3273), (465, 3276), (530, 3516), (608, 3690), (645, 3804),

Gene: Beauxregard13_14 Start: 8654, Stop: 10108, Start Num: 58

Candidate Starts for Beauxregard13_14:

(Start: 58 @8654 has 296 MA's), (Start: 90 @8684 has 2 MA's), (101, 8711), (136, 8816), (179, 8930), (193, 8996), (209, 9053), (247, 9131), (248, 9134), (349, 9275), (377, 9386), (379, 9392), (385, 9413), (443, 9578), (483, 9704), (496, 9758), (497, 9764), (502, 9779), (516, 9815), (535, 9902), (544, 9932), (551, 9962), (573, 10007), (581, 10016),

Gene: Beemo_14 Start: 9927, Stop: 11414, Start Num: 59

Candidate Starts for Beemo_14:

(Start: 59 @9927 has 322 MA's), (101, 9990), (136, 10095), (165, 10164), (200, 10305), (213, 10344), (224, 10377), (247, 10410), (258, 10431), (349, 10554), (359, 10590), (362, 10599), (373, 10638), (377, 10665), (379, 10671), (385, 10692), (400, 10743), (417, 10767), (427, 10782), (496, 11037), (501, 11055), (510, 11085), (512, 11088), (516, 11094), (542, 11205), (544, 11211), (551, 11241), (573, 11286), (580, 11295),

Gene: BeesKnees_13 Start: 8740, Stop: 10182, Start Num: 89

Candidate Starts for BeesKnees_13:

(Start: 50 @8674 has 1 MA's), (Start: 89 @8740 has 214 MA's), (162, 8938), (224, 9151), (349, 9346), (352, 9358), (377, 9457), (398, 9529), (446, 9652), (460, 9691), (483, 9769), (485, 9775), (496, 9823), (499, 9835), (502, 9844), (516, 9877), (525, 9934), (551, 10024), (562, 10057), (573, 10069),

Gene: Beezoo_9 Start: 3049, Stop: 4605, Start Num: 32

Candidate Starts for Beezoo_9:

(22, 2947), (Start: 29 @3034 has 30 MA's), (Start: 32 @3049 has 139 MA's), (96, 3148), (99, 3157), (125, 3229), (Start: 129 @3238 has 2 MA's), (136, 3262), (145, 3280), (150, 3295), (153, 3304), (165, 3337), (185, 3406), (189, 3427), (199, 3469), (231, 3535), (278, 3625), (289, 3646), (321, 3700), (362, 3820), (373, 3853), (375, 3874), (382, 3895), (388, 3925), (423, 3958), (429, 3976), (440, 4036), (445, 4054), (449, 4066), (450, 4069), (454, 4081), (455, 4084), (474, 4120), (484, 4168), (496, 4219), (501, 4237), (526, 4333), (533, 4354), (541, 4381), (543, 4390), (553, 4426),

Gene: Belenaria_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for Belenaria_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Bella96_9 Start: 2978, Stop: 4525, Start Num: 32

Candidate Starts for Bella96_9:

(22, 2876), (Start: 29 @2963 has 30 MA's), (Start: 32 @2978 has 139 MA's), (96, 3074), (99, 3083), (105, 3092), (125, 3155), (Start: 129 @3164 has 2 MA's), (136, 3188), (150, 3221), (165, 3263), (185, 3332), (189, 3353), (197, 3389), (231, 3458), (236, 3470), (278, 3548), (289, 3569), (305, 3599), (321, 3623), (362, 3743), (373, 3776), (375, 3797), (382, 3818), (388, 3848), (423, 3881), (429, 3899), (445, 3977), (449, 3989), (450, 3992), (454, 4004), (455, 4007), (474, 4043), (484, 4091), (496, 4142), (501, 4160), (526, 4256), (533, 4277), (541, 4304), (543, 4313), (586, 4403),

Gene: Belladonna_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for Belladonna_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: Bellis_6 Start: 2752, Stop: 4395, Start Num: 61

Candidate Starts for Bellis_6:

(Start: 61 @2752 has 69 MA's), (99, 2812), (154, 2962), (165, 2992), (185, 3064), (200, 3130), (234, 3178), (291, 3271), (322, 3310), (347, 3367), (349, 3373), (356, 3400), (359, 3409), (365, 3424), (430, 3613), (439, 3646), (447, 3685), (461, 3727), (518, 3910), (524, 3952), (530, 3979), (533, 3988), (549, 4048), (557, 4078), (564, 4087), (611, 4162), (626, 4195),

Gene: Bellris_11 Start: 7969, Stop: 9453, Start Num: 59

Candidate Starts for Bellris_11:

(Start: 59 @7969 has 322 MA's), (101, 8029), (131, 8116), (136, 8134), (200, 8344), (224, 8416), (259, 8473), (327, 8560), (349, 8593), (359, 8629), (362, 8638), (373, 8677), (377, 8704), (379, 8710), (385, 8731), (386, 8737), (400, 8782), (427, 8821), (496, 9079), (501, 9097), (510, 9127), (516, 9136), (542, 9247), (544, 9253), (551, 9283), (573, 9328), (580, 9337),

Gene: BellusTerra_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for BellusTerra_12:

(Start: 58 @8578 has 296 MA's), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: BenchScraper_4 Start: 2275, Stop: 3612, Start Num: 88

Candidate Starts for BenchScraper_4:

(27, 2152), (28, 2155), (41, 2197), (47, 2209), (Start: 80 @2263 has 4 MA's), (Start: 88 @2275 has 31 MA's), (108, 2323), (130, 2386), (132, 2398), (216, 2656), (247, 2713), (271, 2761), (345, 2848), (347, 2857), (355, 2884), (375, 2965), (379, 2977), (380, 2980), (386, 3004), (399, 3046), (446, 3172), (464, 3226), (483, 3289), (486, 3298), (498, 3352), (512, 3391), (526, 3457), (551, 3538), (556, 3547), (585, 3598),

Gene: Benedict_10 Start: 7766, Stop: 9199, Start Num: 59

Candidate Starts for Benedict_10:

(Start: 59 @7766 has 322 MA's), (131, 7895), (149, 7934), (153, 7949), (200, 8123), (209, 8150), (299, 8309), (350, 8375), (351, 8381), (352, 8384), (373, 8456), (379, 8489), (385, 8510), (388, 8528), (392, 8540), (483, 8801), (496, 8855), (501, 8873), (516, 8912), (544, 9029), (551, 9059), (560, 9089), (573, 9104), (581, 9113),

Gene: BengiVuitton_14 Start: 9652, Stop: 11112, Start Num: 59

Candidate Starts for BengiVuitton_14:

(Start: 59 @9652 has 322 MA's), (101, 9712), (136, 9817), (219, 10081), (224, 10099), (247, 10132), (327, 10243), (377, 10387), (379, 10393), (385, 10414), (386, 10420), (400, 10465), (453, 10609), (482, 10702), (490, 10729), (496, 10759), (501, 10777), (502, 10780), (510, 10807), (516, 10816), (544, 10933), (547, 10948), (551, 10963), (560, 10993), (580, 11017),

Gene: BennyP_16 Start: 9284, Stop: 10747, Start Num: 59

Candidate Starts for BennyP_16:

(Start: 59 @9284 has 322 MA's), (Start: 72 @9305 has 15 MA's), (101, 9344), (131, 9431), (133, 9443), (136, 9449), (224, 9731), (358, 9944), (373, 9995), (377, 10022), (379, 10028), (385, 10049), (502, 10415), (510, 10442), (516, 10451), (526, 10511), (544, 10568), (551, 10598), (560, 10628), (582, 10655),

Gene: Benvolio_13 Start: 9325, Stop: 10788, Start Num: 59

Candidate Starts for Benvolio_13:

(Start: 59 @9325 has 322 MA's), (101, 9385), (136, 9490), (219, 9754), (224, 9772), (247, 9805), (249, 9811), (377, 10060), (379, 10066), (385, 10087), (386, 10093), (400, 10138), (453, 10282), (483, 10378), (496, 10432), (501, 10450), (502, 10453), (510, 10480), (516, 10489), (544, 10606), (547, 10621), (551, 10636), (560, 10666), (580, 10690),

Gene: Bern_9 Start: 3001, Stop: 4563, Start Num: 29

Candidate Starts for Bern_9:

(11, 2605), (17, 2773), (22, 2914), (Start: 29 @3001 has 30 MA's), (Start: 32 @3016 has 139 MA's), (96, 3112), (99, 3121), (Start: 129 @3202 has 2 MA's), (136, 3226), (150, 3259), (153, 3268), (165, 3301), (185, 3370), (238, 3511), (278, 3586), (289, 3607), (305, 3637), (352, 3748), (362, 3781), (373, 3814), (375, 3835), (382, 3856), (388, 3886), (423, 3919), (429, 3937), (445, 4015), (449, 4027), (450, 4030), (454, 4042), (455, 4045), (474, 4081), (484, 4129), (496, 4180), (501, 4198), (526, 4294), (533, 4315), (541, 4342), (543, 4351), (553, 4387),

Gene: Berrie_3 Start: 2262, Stop: 3638, Start Num: 76

Candidate Starts for Berrie_3:

(13, 1836), (23, 2082), (Start: 76 @2262 has 57 MA's), (Start: 129 @2382 has 2 MA's), (165, 2481), (279, 2745), (393, 3018), (453, 3177), (474, 3225), (478, 3255), (486, 3279), (530, 3453), (533, 3462), (575, 3573),

Gene: Bethlehem_12 Start: 9968, Stop: 11410, Start Num: 89

Candidate Starts for Bethlehem_12:

(Start: 50 @9902 has 1 MA's), (Start: 89 @9968 has 214 MA's), (162, 10166), (224, 10379), (349, 10574), (352, 10586), (377, 10685), (398, 10757), (446, 10880), (460, 10919), (483, 10997), (485, 11003), (496, 11051), (499, 11063), (502, 11072), (516, 11105), (525, 11162), (551, 11252), (562, 11285), (573, 11297),

Gene: Bexan_11 Start: 9382, Stop: 10824, Start Num: 89

Candidate Starts for Bexan_11:

(Start: 50 @9316 has 1 MA's), (Start: 89 @9382 has 214 MA's), (162, 9580), (224, 9793), (349, 9988), (352, 10000), (377, 10099), (446, 10294), (460, 10333), (483, 10411), (485, 10417), (496, 10465), (499, 10477), (502, 10486), (525, 10576), (551, 10666), (562, 10699), (573, 10711),

Gene: Bhageatrice_6 Start: 3470, Stop: 4807, Start Num: 88

Candidate Starts for Bhageatrice_6:

(27, 3350), (28, 3353), (38, 3392), (41, 3395), (47, 3407), (67, 3443), (Start: 80 @3458 has 4 MA's), (Start: 88 @3470 has 31 MA's), (108, 3518), (130, 3581), (132, 3593), (216, 3851), (247, 3908), (271, 3956), (347, 4052), (352, 4070), (355, 4079), (375, 4160), (379, 4172), (380, 4175), (386, 4199), (399, 4241), (446, 4367), (464, 4421), (483, 4484), (495, 4535), (498, 4547), (512, 4586), (526, 4652), (551, 4733), (552, 4736), (556, 4742), (585, 4793),

Gene: BiancaTri92_15 Start: 11002, Stop: 12465, Start Num: 59

Candidate Starts for BiancaTri92_15:

(Start: 59 @11002 has 322 MA's), (101, 11062), (136, 11167), (197, 11365), (224, 11449), (247, 11482), (373, 11710), (377, 11737), (379, 11743), (385, 11764), (400, 11815), (496, 12109), (501, 12127), (502, 12130), (510, 12157), (516, 12166), (544, 12283), (551, 12313), (560, 12343), (580,

12367),

Gene: Big3_12 Start: 9325, Stop: 10767, Start Num: 89

Candidate Starts for Big3_12:

(Start: 50 @9259 has 1 MA's), (Start: 89 @9325 has 214 MA's), (162, 9523), (224, 9736), (349, 9931), (350, 9934), (377, 10042), (446, 10237), (460, 10276), (483, 10354), (485, 10360), (496, 10408), (499, 10420), (502, 10429), (525, 10519), (551, 10609), (562, 10642), (573, 10654),

Gene: BigCheese_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for BigCheese_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: BigMau_14 Start: 8906, Stop: 10348, Start Num: 89

Candidate Starts for BigMau_14:

(Start: 50 @8840 has 1 MA's), (Start: 89 @8906 has 214 MA's), (162, 9104), (224, 9317), (349, 9512), (350, 9515), (377, 9623), (398, 9695), (446, 9818), (460, 9857), (483, 9935), (485, 9941), (496, 9989), (499, 10001), (502, 10010), (525, 10100), (551, 10190), (562, 10223), (573, 10235),

Gene: BigPaolini_13 Start: 9331, Stop: 10773, Start Num: 89

Candidate Starts for BigPaolini_13:

(Start: 50 @9265 has 1 MA's), (Start: 89 @9331 has 214 MA's), (162, 9529), (224, 9742), (349, 9937), (352, 9949), (377, 10048), (446, 10243), (460, 10282), (483, 10360), (485, 10366), (496, 10414), (499, 10426), (502, 10435), (516, 10468), (551, 10615), (562, 10648), (573, 10660),

Gene: BigPhil_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for BigPhil_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Bigchungi_12 Start: 8409, Stop: 9851, Start Num: 89

Candidate Starts for Bigchungi_12:

(Start: 50 @8343 has 1 MA's), (Start: 89 @8409 has 214 MA's), (162, 8607), (224, 8820), (349, 9015), (377, 9126), (398, 9198), (446, 9321), (460, 9360), (483, 9438), (485, 9444), (496, 9492), (499, 9504), (502, 9513), (525, 9603), (551, 9693), (562, 9726), (573, 9738),

Gene: Bigflo_14 Start: 8652, Stop: 10106, Start Num: 58

Candidate Starts for Bigflo_14:

(Start: 58 @8652 has 296 MA's), (Start: 90 @8682 has 2 MA's), (101, 8709), (136, 8814), (179, 8928), (193, 8994), (209, 9051), (247, 9129), (248, 9132), (349, 9273), (377, 9384), (379, 9390), (385, 9411), (443, 9576), (483, 9702), (496, 9756), (497, 9762), (502, 9777), (516, 9813), (535, 9900), (544, 9930), (551, 9960), (573, 10005), (581, 10014),

Gene: Bigfoot_11 Start: 8430, Stop: 9872, Start Num: 89

Candidate Starts for Bigfoot_11:

(Start: 50 @8364 has 1 MA's), (Start: 89 @8430 has 214 MA's), (162, 8628), (224, 8841), (349, 9036), (352, 9048), (377, 9147), (446, 9342), (460, 9381), (483, 9459), (485, 9465), (496, 9513), (499, 9525), (502, 9534), (525, 9624), (551, 9714), (562, 9747), (573, 9759),

Gene: Binglebops_5 Start: 2283, Stop: 3839, Start Num: 32

Candidate Starts for Binglebops_5:

(21, 2157), (22, 2178), (Start: 29 @2268 has 30 MA's), (Start: 32 @2283 has 139 MA's), (Start: 81 @2352 has 1 MA's), (Start: 89 @2367 has 214 MA's), (99, 2388), (Start: 129 @2469 has 2 MA's), (136, 2493), (150, 2526), (162, 2562), (185, 2637), (189, 2658), (192, 2673), (238, 2778), (273, 2844), (289, 2874), (320, 2928), (337, 2970), (349, 3006), (352, 3018), (362, 3051), (373, 3084), (382, 3126), (388, 3156), (423, 3189), (429, 3207), (431, 3213), (440, 3267), (445, 3285), (449, 3297), (454, 3312), (455, 3315), (469, 3348), (495, 3447), (496, 3450), (501, 3468), (518, 3510), (525, 3561), (526, 3564), (533, 3585), (540, 3609), (541, 3612), (543, 3621), (553, 3657), (557, 3672), (574, 3693),

Gene: BillKnuckles_13 Start: 9350, Stop: 10816, Start Num: 59

Candidate Starts for BillKnuckles_13:

(Start: 59 @9350 has 322 MA's), (136, 9500), (200, 9740), (219, 9794), (233, 9824), (247, 9845), (299, 9926), (349, 9989), (377, 10100), (379, 10106), (385, 10127), (417, 10202), (427, 10217), (464, 10358), (496, 10475), (501, 10493), (516, 10532), (544, 10649), (551, 10679), (556, 10691),

Gene: BillyTP_4 Start: 2275, Stop: 3606, Start Num: 88

Candidate Starts for BillyTP_4:

(Start: 80 @2263 has 4 MA's), (Start: 88 @2275 has 31 MA's), (94, 2284), (130, 2386), (132, 2398), (182, 2539), (190, 2584), (194, 2599), (199, 2620), (219, 2656), (224, 2674), (271, 2755), (300, 2800), (355, 2878), (375, 2959), (379, 2971), (380, 2974), (386, 2998), (399, 3040), (441, 3151), (446, 3166), (457, 3196), (486, 3292), (535, 3472), (551, 3532), (552, 3535), (556, 3541), (585, 3592),

Gene: Bimmel_49 Start: 26950, Stop: 28374, Start Num: 66

Candidate Starts for Bimmel_49:

(Start: 66 @26950 has 4 MA's), (126, 27082), (155, 27163), (162, 27184), (169, 27205), (192, 27298), (199, 27325), (224, 27379), (376, 27655), (381, 27670), (391, 27706), (427, 27769), (436, 27802), (443, 27844), (445, 27850), (448, 27859), (453, 27874), (466, 27913), (489, 27991), (490, 27994), (496, 28024), (501, 28042), (502, 28045), (529, 28147), (551, 28222), (557, 28249), (563, 28255),

Gene: Bircsak_12 Start: 8891, Stop: 10333, Start Num: 89

Candidate Starts for Bircsak_12:

(Start: 50 @8825 has 1 MA's), (Start: 89 @8891 has 214 MA's), (162, 9089), (224, 9302), (349, 9497), (352, 9509), (377, 9608), (446, 9803), (460, 9842), (483, 9920), (485, 9926), (495, 9971), (496, 9974), (499, 9986), (502, 9995), (525, 10085), (551, 10175), (562, 10208), (573, 10220),

Gene: Blackflame_12 Start: 8418, Stop: 9860, Start Num: 89

Candidate Starts for Blackflame_12:

(Start: 50 @8352 has 1 MA's), (Start: 89 @8418 has 214 MA's), (162, 8616), (224, 8829), (349, 9024), (352, 9036), (377, 9135), (446, 9330), (460, 9369), (483, 9447), (485, 9453), (496, 9501), (499, 9513), (502, 9522), (525, 9612), (551, 9702), (562, 9735), (573, 9747),

Gene: Blackmoor_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Blackmoor_12:

(Start: 58 @8578 has 296 MA's), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: BlessJoy_16 Start: 9265, Stop: 10731, Start Num: 59

Candidate Starts for BlessJoy_16:

(Start: 59 @9265 has 322 MA's), (Start: 72 @9286 has 15 MA's), (101, 9325), (131, 9412), (133, 9424), (136, 9430), (224, 9712), (258, 9766), (358, 9925), (373, 9976), (377, 10003), (379, 10009), (385, 10030), (432, 10132), (460, 10243), (502, 10396), (505, 10411), (510, 10423), (516, 10432), (527, 10498), (535, 10519), (544, 10549), (551, 10579), (560, 10609),

Gene: Blessor_12 Start: 8995, Stop: 10437, Start Num: 89

Candidate Starts for Blessor_12:

(Start: 50 @8929 has 1 MA's), (Start: 89 @8995 has 214 MA's), (162, 9193), (224, 9406), (233, 9418), (247, 9442), (349, 9601), (352, 9613), (377, 9712), (446, 9907), (460, 9946), (483, 10024), (485, 10030), (496, 10078), (499, 10090), (502, 10099), (516, 10132), (525, 10189), (551, 10279), (562, 10312), (573, 10324),

Gene: Blinn1_16 Start: 9317, Stop: 10780, Start Num: 59

Candidate Starts for Blinn1_16:

(Start: 59 @9317 has 322 MA's), (Start: 72 @9338 has 15 MA's), (101, 9377), (131, 9464), (133, 9476), (136, 9482), (224, 9764), (358, 9977), (373, 10028), (377, 10055), (379, 10061), (385, 10082), (502, 10448), (510, 10475), (516, 10484), (526, 10544), (544, 10601), (551, 10631), (560, 10661), (580, 10685), (582, 10688),

Gene: Blizzard_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for Blizzard_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: BluSpix_12 Start: 8690, Stop: 10132, Start Num: 89

Candidate Starts for BluSpix_12:

(Start: 50 @8624 has 1 MA's), (Start: 89 @8690 has 214 MA's), (162, 8888), (224, 9101), (349, 9296), (377, 9407), (398, 9479), (446, 9602), (460, 9641), (483, 9719), (485, 9725), (496, 9773), (499, 9785), (502, 9794), (525, 9884), (551, 9974), (562, 10007), (573, 10019),

Gene: Blue_12 Start: 8797, Stop: 10239, Start Num: 89

Candidate Starts for Blue_12:

(Start: 50 @8731 has 1 MA's), (Start: 89 @8797 has 214 MA's), (162, 8995), (224, 9208), (349, 9403), (352, 9415), (377, 9514), (398, 9586), (446, 9709), (460, 9748), (483, 9826), (485, 9832), (496, 9880), (499, 9892), (502, 9901), (525, 9991), (551, 10081), (562, 10114), (573, 10126),

Gene: Blue7_16 Start: 9258, Stop: 10724, Start Num: 59

Candidate Starts for Blue7_16:

(Start: 59 @9258 has 322 MA's), (Start: 72 @9279 has 15 MA's), (101, 9318), (131, 9405), (133, 9417), (136, 9423), (224, 9705), (258, 9759), (358, 9918), (373, 9969), (377, 9996), (379, 10002), (385, 10023), (460, 10236), (502, 10389), (505, 10404), (510, 10416), (516, 10425), (527, 10491), (535, 10512), (544, 10542), (551, 10572), (560, 10602),

Gene: BlueBird_13 Start: 8193, Stop: 9659, Start Num: 59

Candidate Starts for BlueBird_13:

(Start: 59 @8193 has 322 MA's), (136, 8364), (169, 8448), (186, 8511), (193, 8544), (197, 8562), (209, 8601), (219, 8628), (245, 8676), (347, 8817), (350, 8826), (373, 8907), (376, 8931), (377, 8934), (379,

8940), (384, 8958), (385, 8961), (386, 8967), (443, 9138), (483, 9264), (484, 9267), (496, 9318), (497, 9324), (502, 9339), (510, 9369), (544, 9495), (551, 9525), (562, 9555),

Gene: BlueShadow_4 Start: 2274, Stop: 3605, Start Num: 88

Candidate Starts for BlueShadow_4:

(Start: 80 @2262 has 4 MA's), (Start: 88 @2274 has 31 MA's), (94, 2283), (130, 2385), (132, 2397), (182, 2538), (190, 2583), (194, 2598), (199, 2619), (219, 2655), (224, 2673), (271, 2754), (300, 2799), (355, 2877), (375, 2958), (379, 2970), (380, 2973), (386, 2997), (399, 3039), (441, 3150), (446, 3165), (457, 3195), (486, 3291), (551, 3531), (552, 3534), (556, 3540), (585, 3591),

Gene: Bluefalcon_9 Start: 8017, Stop: 9450, Start Num: 59

Candidate Starts for Bluefalcon_9:

(Start: 59 @8017 has 322 MA's), (131, 8146), (132, 8152), (165, 8233), (200, 8374), (209, 8401), (247, 8479), (299, 8560), (349, 8623), (350, 8626), (351, 8632), (352, 8635), (373, 8707), (379, 8740), (385, 8761), (392, 8791), (483, 9052), (496, 9106), (501, 9124), (516, 9163), (544, 9280), (551, 9310), (573, 9355), (581, 9364),

Gene: Bob3_11 Start: 8246, Stop: 9688, Start Num: 89

Candidate Starts for Bob3_11:

(Start: 50 @8180 has 1 MA's), (Start: 89 @8246 has 214 MA's), (162, 8444), (224, 8657), (349, 8852), (350, 8855), (377, 8963), (398, 9035), (446, 9158), (460, 9197), (483, 9275), (485, 9281), (496, 9329), (499, 9341), (502, 9350), (525, 9440), (551, 9530), (562, 9563), (573, 9575),

Gene: BobSwaget_16 Start: 10899, Stop: 12356, Start Num: 59

Candidate Starts for BobSwaget_16:

(Start: 59 @10899 has 322 MA's), (101, 10959), (109, 10983), (136, 11064), (200, 11274), (209, 11301), (224, 11346), (279, 11439), (352, 11535), (373, 11607), (377, 11634), (379, 11640), (385, 11661), (386, 11667), (400, 11712), (460, 11874), (496, 12006), (501, 12024), (505, 12042), (510, 12054), (516, 12063), (532, 12144), (535, 12150), (544, 12180), (546, 12192), (551, 12210), (560, 12240),

Gene: BobbyDazzler_9 Start: 4906, Stop: 6336, Start Num: 58

Candidate Starts for BobbyDazzler_9:

(Start: 58 @4906 has 296 MA's), (149, 5083), (155, 5104), (165, 5131), (169, 5146), (186, 5209), (219, 5323), (299, 5452), (351, 5524), (374, 5611), (375, 5620), (377, 5626), (389, 5674), (417, 5728), (427, 5743), (431, 5752), (443, 5818), (446, 5827), (491, 5971), (501, 6016), (502, 6019), (526, 6112), (544, 6169), (551, 6199), (560, 6226), (573, 6238), (577, 6244),

Gene: Bobi_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Bobi_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (301, 2745), (349, 2847), (352, 2859), (355, 2868), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Bobquesha_10 Start: 3854, Stop: 5440, Start Num: 30

Candidate Starts for Bobquesha_10:

(Start: 29 @3839 has 30 MA's), (Start: 30 @3854 has 28 MA's), (Start: 39 @3878 has 1 MA's), (Start: 81 @3944 has 1 MA's), (105, 3989), (Start: 129 @4061 has 2 MA's), (148, 4109), (150, 4118), (151, 4121), (154, 4130), (165, 4160), (185, 4229), (189, 4250), (192, 4265), (197, 4286), (199, 4292), (208, 4316), (231, 4352), (238, 4367), (260, 4406), (333, 4541), (337, 4550), (345, 4568), (351, 4595), (352,

4598), (362, 4631), (373, 4664), (375, 4685), (382, 4706), (423, 4769), (431, 4793), (436, 4817), (445, 4865), (449, 4877), (453, 4889), (455, 4895), (472, 4934), (499, 5048), (501, 5054), (533, 5225), (541, 5252), (543, 5261), (567, 5324), (576, 5336),

Gene: BobsGarage_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for BobsGarage_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: BogosyJay_14 Start: 9684, Stop: 11165, Start Num: 59

Candidate Starts for BogosyJay_14:

(Start: 59 @9684 has 322 MA's), (101, 9747), (136, 9852), (179, 9966), (200, 10062), (224, 10134), (247, 10167), (349, 10311), (373, 10395), (377, 10422), (379, 10428), (385, 10449), (427, 10539), (496, 10794), (501, 10812), (510, 10842), (516, 10851), (542, 10962), (544, 10968), (551, 10998), (573, 11043), (580, 11052),

Gene: Boiiii_9 Start: 3055, Stop: 4623, Start Num: 29

Candidate Starts for Boiiii_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: Boilgate_6 Start: 3028, Stop: 4566, Start Num: 31

Candidate Starts for Boilgate_6:

(Start: 31 @3028 has 1 MA's), (99, 3136), (107, 3151), (109, 3160), (125, 3208), (148, 3265), (153, 3283), (154, 3286), (165, 3316), (185, 3385), (189, 3406), (197, 3442), (199, 3448), (200, 3451), (208, 3472), (211, 3475), (227, 3502), (260, 3562), (292, 3625), (294, 3628), (301, 3643), (305, 3649), (313, 3664), (326, 3679), (330, 3685), (337, 3709), (349, 3745), (351, 3754), (352, 3757), (362, 3790), (373, 3823), (375, 3844), (382, 3865), (423, 3928), (429, 3946), (436, 3976), (445, 4024), (449, 4036), (450, 4039), (453, 4048), (455, 4054), (472, 4093), (476, 4117), (495, 4192), (496, 4195), (499, 4207), (501, 4213), (518, 4282), (519, 4285), (523, 4321), (524, 4324), (533, 4357), (543, 4393), (546, 4408), (547, 4411), (553, 4429),

Gene: Bombshell_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Bombshell_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Bonamassa_10 Start: 7939, Stop: 9372, Start Num: 59

Candidate Starts for Bonamassa_10:

(Start: 59 @7939 has 322 MA's), (142, 8095), (149, 8107), (153, 8122), (155, 8128), (200, 8296), (209, 8323), (247, 8401), (299, 8482), (351, 8554), (352, 8557), (373, 8629), (379, 8662), (385, 8683), (388, 8701), (392, 8713), (417, 8758), (483, 8974), (496, 9028), (501, 9046), (516, 9085), (544, 9202), (551, 9232), (560, 9262), (581, 9286),

Gene: Bonanza_9 Start: 4835, Stop: 6265, Start Num: 58

Candidate Starts for Bonanza_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (219, 5252), (299, 5381), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Bones_12 Start: 8441, Stop: 9883, Start Num: 89

Candidate Starts for Bones_12:

(Start: 50 @8375 has 1 MA's), (Start: 89 @8441 has 214 MA's), (162, 8639), (224, 8852), (349, 9047), (352, 9059), (377, 9158), (398, 9230), (446, 9353), (460, 9392), (483, 9470), (485, 9476), (496, 9524), (499, 9536), (502, 9545), (525, 9635), (551, 9725), (562, 9758), (573, 9770),

Gene: Bongo_15 Start: 6260, Stop: 7882, Start Num: 35

Candidate Starts for Bongo_15:

(Start: 35 @6260 has 23 MA's), (43, 6275), (105, 6383), (110, 6401), (125, 6449), (138, 6482), (145, 6494), (153, 6518), (162, 6545), (165, 6551), (185, 6623), (186, 6629), (192, 6659), (222, 6740), (225, 6746), (228, 6749), (237, 6767), (340, 6923), (349, 6941), (352, 6953), (367, 7001), (381, 7058), (382, 7061), (405, 7130), (434, 7184), (440, 7220), (456, 7271), (458, 7274), (472, 7304), (475, 7313), (491, 7379), (492, 7382), (495, 7403), (496, 7406), (513, 7457), (533, 7544), (574, 7655), (593, 7685), (611, 7721), (614, 7727), (621, 7742), (626, 7754), (647, 7838),

Gene: Boohoo_15 Start: 8380, Stop: 9840, Start Num: 59

Candidate Starts for Boohoo_15:

(Start: 59 @8380 has 322 MA's), (101, 8440), (136, 8545), (163, 8611), (213, 8794), (224, 8827), (247, 8860), (373, 9091), (377, 9118), (379, 9124), (385, 9145), (389, 9166), (400, 9196), (417, 9220), (453, 9340), (483, 9436), (491, 9463), (496, 9490), (501, 9508), (502, 9511), (510, 9544), (516, 9553), (544, 9670), (551, 9700), (580, 9754),

Gene: Boomer_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Boomer_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: BoostSeason_5 Start: 2085, Stop: 3590, Start Num: 30

Candidate Starts for BoostSeason_5:

(20, 1944), (Start: 30 @2085 has 28 MA's), (36, 2103), (Start: 59 @2130 has 322 MA's), (Start: 81 @2151 has 1 MA's), (99, 2187), (Start: 129 @2268 has 2 MA's), (150, 2325), (154, 2337), (162, 2361), (165, 2367), (182, 2418), (185, 2436), (189, 2457), (197, 2493), (199, 2499), (208, 2523), (231, 2559), (278, 2649), (289, 2670), (303, 2697), (330, 2739), (331, 2745), (337, 2763), (352, 2811), (362, 2844), (375, 2898), (382, 2919), (388, 2949), (423, 2982), (429, 3000), (431, 3006), (436, 3030), (449, 3090), (453, 3102), (455, 3108), (472, 3147), (501, 3267), (518, 3309), (540, 3408), (541, 3411), (543, 3420), (557, 3471), (594, 3516), (629, 3567),

Gene: BourbonZero_5 Start: 2757, Stop: 4400, Start Num: 61

Candidate Starts for BourbonZero_5:

(Start: 61 @2757 has 69 MA's), (99, 2817), (154, 2967), (165, 2997), (185, 3069), (200, 3135), (234, 3183), (291, 3276), (322, 3315), (347, 3372), (349, 3378), (356, 3405), (359, 3414), (365, 3429), (430,

3618), (447, 3690), (461, 3732), (518, 3915), (524, 3957), (530, 3984), (533, 3993), (549, 4053), (557, 4083), (564, 4092), (611, 4167), (626, 4200),

Gene: Bovely_7 Start: 4087, Stop: 5529, Start Num: 83

Candidate Starts for Bovely_7:

(70, 4078), (Start: 72 @4081 has 15 MA's), (Start: 83 @4087 has 105 MA's), (Start: 129 @4204 has 2 MA's), (148, 4252), (269, 4570), (298, 4612), (312, 4639), (334, 4672), (366, 4765), (370, 4777), (392, 4870), (426, 4948), (436, 4993), (448, 5050), (456, 5074), (520, 5287), (611, 5515),

Gene: Bowden_8 Start: 3928, Stop: 5403, Start Num: 83

Candidate Starts for Bowden_8:

(Start: 83 @3928 has 105 MA's), (Start: 129 @4045 has 2 MA's), (148, 4093), (151, 4105), (165, 4144), (185, 4237), (189, 4258), (298, 4450), (312, 4477), (370, 4615), (379, 4657), (387, 4690), (392, 4708), (399, 4726), (402, 4735), (436, 4873), (448, 4930), (464, 4978), (501, 5110), (520, 5167), (541, 5257), (543, 5266), (599, 5371), (611, 5389),

Gene: Bowtie_13 Start: 9784, Stop: 11241, Start Num: 59

Candidate Starts for Bowtie_13:

(Start: 59 @9784 has 322 MA's), (97, 9829), (101, 9844), (136, 9949), (224, 10231), (247, 10264), (352, 10420), (373, 10492), (377, 10519), (379, 10525), (385, 10546), (400, 10597), (490, 10861), (496, 10891), (502, 10912), (505, 10927), (510, 10939), (516, 10948), (535, 11035), (544, 11065), (551, 11095), (560, 11125), (610, 11191),

Gene: Bradman_12 Start: 8157, Stop: 9614, Start Num: 59

Candidate Starts for Bradman_12:

(Start: 59 @8157 has 322 MA's), (Start: 72 @8178 has 15 MA's), (101, 8217), (136, 8322), (224, 8604), (247, 8637), (283, 8709), (352, 8793), (373, 8865), (377, 8892), (379, 8898), (385, 8919), (460, 9132), (491, 9237), (496, 9264), (502, 9285), (510, 9312), (516, 9321), (544, 9438), (551, 9468), (560, 9498), (580, 9522),

Gene: Bradshaw_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for Bradshaw_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: BrainDrainer_5 Start: 2334, Stop: 3971, Start Num: 62

Candidate Starts for BrainDrainer_5:

(Start: 62 @2334 has 9 MA's), (107, 2409), (153, 2538), (154, 2541), (165, 2571), (185, 2643), (192, 2679), (202, 2718), (291, 2850), (322, 2889), (339, 2922), (347, 2946), (349, 2952), (355, 2973), (356, 2979), (357, 2982), (365, 3003), (380, 3066), (381, 3069), (424, 3171), (430, 3192), (460, 3300), (461, 3306), (490, 3399), (495, 3426), (518, 3489), (524, 3531), (530, 3558), (533, 3567), (549, 3627), (557, 3657), (564, 3666), (570, 3672), (621, 3762), (626, 3774), (648, 3852),

Gene: Brataylor_8 Start: 4058, Stop: 5494, Start Num: 83

Candidate Starts for Brataylor_8:

(Start: 72 @4052 has 15 MA's), (Start: 83 @4058 has 105 MA's), (96, 4082), (106, 4106), (Start: 129 @4175 has 2 MA's), (148, 4223), (155, 4247), (165, 4274), (225, 4457), (269, 4541), (298, 4583), (337, 4649), (366, 4739), (370, 4751), (392, 4844), (426, 4922), (436, 4967), (448, 5024), (513, 5237), (520, 5261), (611, 5480),

Gene: BreSam8_14 Start: 8647, Stop: 10101, Start Num: 58

Candidate Starts for BreSam8_14:

(Start: 58 @8647 has 296 MA's), (Start: 90 @8677 has 2 MA's), (101, 8704), (136, 8809), (179, 8923), (193, 8989), (209, 9046), (247, 9124), (248, 9127), (349, 9268), (377, 9379), (379, 9385), (385, 9406), (443, 9571), (483, 9697), (496, 9751), (497, 9757), (502, 9772), (516, 9808), (535, 9895), (544, 9925), (551, 9955), (573, 10000), (581, 10009),

Gene: Breezona_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Breezona_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: Bricole_15 Start: 6259, Stop: 7881, Start Num: 35

Candidate Starts for Bricole_15:

(Start: 35 @6259 has 23 MA's), (43, 6274), (105, 6382), (110, 6400), (125, 6448), (138, 6481), (145, 6493), (153, 6517), (162, 6544), (165, 6550), (185, 6622), (186, 6628), (192, 6658), (222, 6739), (225, 6745), (228, 6748), (237, 6766), (340, 6922), (349, 6940), (352, 6952), (367, 7000), (381, 7057), (382, 7060), (405, 7129), (434, 7183), (440, 7219), (456, 7270), (458, 7273), (472, 7303), (475, 7312), (491, 7378), (492, 7381), (495, 7402), (496, 7405), (513, 7456), (533, 7543), (574, 7654), (593, 7684), (611, 7720), (614, 7726), (621, 7741), (626, 7753), (647, 7837),

Gene: Bridgette_3 Start: 2383, Stop: 3744, Start Num: 74

Candidate Starts for Bridgette_3:

(Start: 74 @2383 has 11 MA's), (145, 2551), (151, 2569), (163, 2605), (179, 2653), (216, 2779), (259, 2860), (275, 2890), (327, 2965), (352, 3034), (376, 3124), (381, 3139), (450, 3331), (471, 3385), (501, 3505), (527, 3595), (564, 3709),

Gene: Briton15_14 Start: 8752, Stop: 10194, Start Num: 89

Candidate Starts for Briton15_14:

(Start: 50 @8686 has 1 MA's), (Start: 89 @8752 has 214 MA's), (162, 8950), (224, 9163), (349, 9358), (352, 9370), (377, 9469), (446, 9664), (460, 9703), (483, 9781), (485, 9787), (495, 9832), (496, 9835), (499, 9847), (502, 9856), (525, 9946), (551, 10036), (562, 10069), (573, 10081),

Gene: BroPlease_8 Start: 4096, Stop: 5580, Start Num: 83

Candidate Starts for BroPlease_8:

(Start: 83 @4096 has 105 MA's), (Start: 129 @4213 has 2 MA's), (148, 4261), (276, 4588), (298, 4621), (334, 4681), (366, 4774), (370, 4786), (387, 4861), (392, 4879), (397, 4891), (399, 4897), (446, 5095), (448, 5101), (477, 5188), (495, 5260), (518, 5323), (520, 5338), (541, 5428), (551, 5470), (599, 5542),

Gene: Bromden_5 Start: 2378, Stop: 4015, Start Num: 62

Candidate Starts for Bromden_5:

(Start: 62 @2378 has 9 MA's), (107, 2453), (153, 2582), (154, 2585), (165, 2615), (185, 2687), (199, 2750), (200, 2753), (202, 2762), (234, 2801), (291, 2894), (322, 2933), (339, 2966), (347, 2990), (349, 2996), (355, 3017), (356, 3023), (357, 3026), (365, 3047), (371, 3068), (381, 3113), (430, 3236), (460, 3344), (461, 3350), (490, 3443), (495, 3470), (518, 3533), (530, 3602), (533, 3611), (549, 3671), (557, 3701), (564, 3710), (570, 3716), (621, 3806), (626, 3818), (644, 3890), (648, 3896),

Gene: Brookers_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Brookers_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Broseidon_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Broseidon_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Bruiser_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Bruiser_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Bruns_11 Start: 8609, Stop: 10051, Start Num: 89

Candidate Starts for Bruns_11:

(Start: 50 @8543 has 1 MA's), (Start: 89 @8609 has 214 MA's), (162, 8807), (224, 9020), (349, 9215), (352, 9227), (377, 9326), (398, 9398), (446, 9521), (460, 9560), (483, 9638), (485, 9644), (496, 9692), (499, 9704), (502, 9713), (525, 9803), (551, 9893), (562, 9926), (573, 9938),

Gene: Brushbloom_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Brushbloom_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (301, 2745), (349, 2847), (352, 2859), (355, 2868), (365, 2898), (367, 2907), (375, 2946), (381, 2964), (382, 2967), (388, 2997), (431, 3054), (439, 3093), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: BryanRecycles_8 Start: 4241, Stop: 5683, Start Num: 83

Candidate Starts for BryanRecycles_8:

(70, 4232), (Start: 72 @4235 has 15 MA's), (Start: 83 @4241 has 105 MA's), (Start: 129 @4358 has 2 MA's), (148, 4406), (155, 4430), (269, 4724), (298, 4766), (312, 4793), (366, 4919), (370, 4931), (392, 5024), (426, 5102), (436, 5147), (448, 5204), (456, 5228), (520, 5441), (611, 5669),

Gene: Bryce_9 Start: 4835, Stop: 6265, Start Num: 58

Candidate Starts for Bryce_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (219, 5252), (299, 5381), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Bryler_8 Start: 2948, Stop: 4498, Start Num: 32

Candidate Starts for Bryler_8:

(20, 2816), (22, 2843), (Start: 29 @2933 has 30 MA's), (Start: 32 @2948 has 139 MA's), (51, 2978), (99, 3056), (Start: 129 @3137 has 2 MA's), (136, 3161), (153, 3203), (185, 3305), (189, 3326), (192,

3341), (199, 3368), (238, 3446), (260, 3485), (289, 3542), (330, 3611), (337, 3635), (349, 3671), (352, 3683), (362, 3716), (373, 3749), (375, 3770), (382, 3791), (388, 3821), (423, 3854), (429, 3872), (449, 3962), (450, 3965), (455, 3980), (474, 4016), (475, 4022), (484, 4064), (496, 4115), (501, 4133), (525, 4226), (526, 4229), (533, 4250), (540, 4274), (541, 4277), (543, 4286),

Gene: BubbleTrouble_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for BubbleTrouble_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (464, 9580), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Bud_13 Start: 9790, Stop: 11247, Start Num: 59

Candidate Starts for Bud_13:

(Start: 59 @9790 has 322 MA's), (97, 9835), (101, 9850), (136, 9955), (224, 10237), (247, 10270), (352, 10426), (373, 10498), (377, 10525), (379, 10531), (385, 10552), (400, 10603), (490, 10867), (496, 10897), (502, 10918), (505, 10933), (510, 10945), (516, 10954), (535, 11041), (544, 11071), (551, 11101), (560, 11131), (610, 11197),

Gene: Bugatti_12 Start: 8193, Stop: 9659, Start Num: 59

Candidate Starts for Bugatti_12:

(Start: 59 @8193 has 322 MA's), (136, 8364), (169, 8448), (186, 8511), (193, 8544), (197, 8562), (209, 8601), (219, 8628), (245, 8676), (347, 8817), (350, 8826), (373, 8907), (376, 8931), (377, 8934), (379, 8940), (384, 8958), (385, 8961), (386, 8967), (443, 9138), (483, 9264), (484, 9267), (496, 9318), (497, 9324), (502, 9339), (510, 9369), (544, 9495), (551, 9525), (562, 9555),

Gene: Buggy_15 Start: 9674, Stop: 11134, Start Num: 59

Candidate Starts for Buggy_15:

(Start: 59 @9674 has 322 MA's), (101, 9734), (136, 9839), (197, 10037), (224, 10121), (247, 10154), (349, 10298), (373, 10382), (377, 10409), (379, 10415), (385, 10436), (386, 10442), (400, 10487), (496, 10781), (501, 10799), (502, 10802), (510, 10829), (516, 10838), (544, 10955), (551, 10985), (560, 11015), (580, 11039),

Gene: Bumblebee11_12 Start: 8587, Stop: 10038, Start Num: 58

Candidate Starts for Bumblebee11_12:

(Start: 58 @8587 has 296 MA's), (132, 8737), (136, 8749), (186, 8896), (190, 8917), (197, 8947), (209, 8986), (215, 9004), (219, 9013), (247, 9064), (344, 9193), (349, 9211), (362, 9256), (377, 9322), (379, 9328), (385, 9349), (386, 9355), (411, 9424), (435, 9484), (443, 9529), (483, 9655), (484, 9658), (496, 9709), (497, 9715), (501, 9727), (502, 9730), (510, 9757), (535, 9853), (544, 9883), (546, 9895), (551, 9913), (562, 9943),

Gene: Burger_11 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Burger_11:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Burton_13 Start: 8809, Stop: 10251, Start Num: 89

Candidate Starts for Burton_13:

(Start: 50 @8743 has 1 MA's), (Start: 89 @8809 has 214 MA's), (162, 9007), (224, 9220), (349, 9415), (350, 9418), (377, 9526), (398, 9598), (446, 9721), (460, 9760), (483, 9838), (485, 9844), (496, 9892), (499, 9904), (502, 9913), (525, 10003), (551, 10093), (562, 10126), (573, 10138),

Gene: Buttons_13 Start: 8879, Stop: 10321, Start Num: 89

Candidate Starts for Buttons_13:

(Start: 50 @8813 has 1 MA's), (Start: 89 @8879 has 214 MA's), (162, 9077), (224, 9290), (349, 9485), (352, 9497), (377, 9596), (398, 9668), (446, 9791), (460, 9830), (483, 9908), (485, 9914), (496, 9962), (499, 9974), (502, 9983), (525, 10073), (551, 10163), (562, 10196), (573, 10208),

Gene: BuzzBuzz_13 Start: 8738, Stop: 10192, Start Num: 58

Candidate Starts for BuzzBuzz_13:

(Start: 58 @8738 has 296 MA's), (Start: 90 @8768 has 2 MA's), (101, 8795), (136, 8900), (179, 9014), (193, 9080), (209, 9137), (247, 9215), (248, 9218), (349, 9359), (377, 9470), (379, 9476), (385, 9497), (443, 9662), (483, 9788), (496, 9842), (497, 9848), (502, 9863), (516, 9899), (535, 9986), (544, 10016), (551, 10046), (573, 10091), (581, 10100),

Gene: BuzzLyseyear_4 Start: 2198, Stop: 3619, Start Num: 78

Candidate Starts for BuzzLyseyear_4:

(Start: 78 @2198 has 61 MA's), (Start: 95 @2225 has 1 MA's), (99, 2237), (148, 2366), (153, 2384), (165, 2417), (185, 2486), (192, 2522), (197, 2543), (199, 2549), (208, 2573), (211, 2576), (253, 2651), (257, 2657), (268, 2684), (280, 2702), (301, 2744), (332, 2795), (338, 2813), (349, 2846), (351, 2855), (352, 2858), (367, 2906), (370, 2915), (375, 2945), (381, 2963), (388, 2996), (431, 3053), (449, 3137), (455, 3155), (464, 3182), (472, 3194), (474, 3197), (475, 3203), (476, 3218), (486, 3251), (518, 3356), (533, 3431), (534, 3437), (537, 3446), (540, 3455), (543, 3467), (572, 3530), (600, 3578),

Gene: Bxb1_11 Start: 8719, Stop: 10185, Start Num: 59

Candidate Starts for Bxb1_11:

(Start: 59 @8719 has 322 MA's), (136, 8869), (200, 9109), (219, 9163), (233, 9193), (247, 9214), (299, 9295), (349, 9358), (377, 9469), (379, 9475), (385, 9496), (417, 9571), (427, 9586), (464, 9727), (496, 9844), (501, 9862), (516, 9901), (544, 10018), (551, 10048), (556, 10060),

Gene: Bxz2_14 Start: 8748, Stop: 10202, Start Num: 58

Candidate Starts for Bxz2_14:

(Start: 58 @8748 has 296 MA's), (Start: 90 @8778 has 2 MA's), (101, 8805), (136, 8910), (179, 9024), (193, 9090), (209, 9147), (247, 9225), (248, 9228), (349, 9369), (377, 9480), (379, 9486), (385, 9507), (443, 9672), (483, 9798), (496, 9852), (497, 9858), (502, 9873), (516, 9909), (535, 9996), (544, 10026), (551, 10056), (573, 10101), (581, 10110),

Gene: C3_11 Start: 9161, Stop: 10618, Start Num: 59

Candidate Starts for C3_11:

(Start: 59 @9161 has 322 MA's), (101, 9221), (136, 9326), (224, 9608), (247, 9641), (348, 9782), (352, 9797), (373, 9869), (377, 9896), (379, 9902), (385, 9923), (386, 9929), (400, 9974), (496, 10268), (501, 10286), (502, 10289), (510, 10316), (516, 10325), (527, 10391), (544, 10442), (551, 10472), (560, 10502), (580, 10526),

Gene: CRB1_13 Start: 9194, Stop: 10654, Start Num: 59

Candidate Starts for CRB1_13:

(Start: 59 @9194 has 322 MA's), (101, 9254), (136, 9359), (197, 9557), (224, 9641), (247, 9674), (373, 9902), (377, 9929), (379, 9935), (385, 9956), (386, 9962), (400, 10007), (496, 10301), (501, 10319), (502, 10322), (510, 10349), (516, 10358), (544, 10475), (551, 10505), (560, 10535), (580, 10559),

Gene: CREW_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for CREW_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185,

3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: CactusRose_11 Start: 8429, Stop: 9871, Start Num: 89

Candidate Starts for CactusRose_11:

(Start: 50 @8363 has 1 MA's), (Start: 89 @8429 has 214 MA's), (162, 8627), (224, 8840), (349, 9035), (352, 9047), (377, 9146), (446, 9341), (460, 9380), (483, 9458), (485, 9464), (496, 9512), (499, 9524), (502, 9533), (525, 9623), (551, 9713), (562, 9746), (573, 9758),

Gene: Caelakin_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Caelakin_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Caelum_8 Start: 3776, Stop: 5269, Start Num: 83

Candidate Starts for Caelum_8:

(Start: 83 @3776 has 105 MA's), (Start: 129 @3893 has 2 MA's), (148, 3941), (151, 3953), (165, 3992), (185, 4085), (199, 4142), (298, 4298), (312, 4325), (351, 4403), (366, 4451), (370, 4463), (373, 4472), (387, 4538), (392, 4556), (397, 4568), (399, 4574), (436, 4721), (448, 4778), (464, 4826), (501, 4958), (520, 5015), (541, 5105), (543, 5114), (551, 5147), (599, 5231), (611, 5255),

Gene: Cain_8 Start: 2948, Stop: 4498, Start Num: 32

Candidate Starts for Cain_8:

(20, 2816), (22, 2843), (Start: 29 @2933 has 30 MA's), (Start: 32 @2948 has 139 MA's), (51, 2978), (99, 3056), (Start: 129 @3137 has 2 MA's), (136, 3161), (153, 3203), (185, 3305), (189, 3326), (192, 3341), (199, 3368), (238, 3446), (260, 3485), (289, 3542), (330, 3611), (337, 3635), (349, 3671), (352, 3683), (362, 3716), (373, 3749), (375, 3770), (382, 3791), (388, 3821), (423, 3854), (429, 3872), (449, 3962), (450, 3965), (455, 3980), (474, 4016), (475, 4022), (484, 4064), (496, 4115), (501, 4133), (525, 4226), (526, 4229), (533, 4250), (540, 4274), (541, 4277), (543, 4286),

Gene: Caitlin_9 Start: 7455, Stop: 8885, Start Num: 59

Candidate Starts for Caitlin_9:

(Start: 59 @7455 has 322 MA's), (135, 7605), (186, 7752), (224, 7887), (299, 7998), (349, 8061), (362, 8106), (377, 8172), (385, 8199), (398, 8244), (443, 8364), (476, 8466), (496, 8544), (497, 8550), (516, 8601), (544, 8718), (551, 8748), (581, 8802),

Gene: Caliburn_7 Start: 4055, Stop: 5503, Start Num: 72

Candidate Starts for Caliburn_7:

(70, 4052), (Start: 72 @4055 has 15 MA's), (Start: 83 @4061 has 105 MA's), (Start: 129 @4178 has 2 MA's), (148, 4226), (269, 4544), (298, 4586), (312, 4613), (334, 4646), (366, 4739), (370, 4751), (392, 4844), (426, 4922), (436, 4967), (448, 5024), (456, 5048), (520, 5261), (611, 5489),

Gene: CallaLilly_9 Start: 2996, Stop: 4552, Start Num: 32

Candidate Starts for CallaLilly_9:

(22, 2894), (Start: 29 @2981 has 30 MA's), (Start: 32 @2996 has 139 MA's), (96, 3095), (99, 3104), (125, 3176), (Start: 129 @3185 has 2 MA's), (136, 3209), (150, 3242), (153, 3251), (165, 3284), (185, 3353), (189, 3374), (199, 3416), (231, 3482), (238, 3497), (278, 3572), (289, 3593), (321, 3647), (362, 3767), (373, 3800), (375, 3821), (382, 3842), (388, 3872), (423, 3905), (429, 3923), (445, 4001), (449, 4013), (450, 4016), (454, 4028), (455, 4031), (474, 4067), (484, 4115), (496, 4166), (501, 4184), (526,

4280), (533, 4301), (541, 4328), (543, 4337), (553, 4373),

Gene: Calm_5 Start: 2625, Stop: 4298, Start Num: 61

Candidate Starts for Calm_5:

(Start: 61 @2625 has 69 MA's), (101, 2688), (116, 2742), (127, 2766), (154, 2835), (162, 2859), (185, 2937), (192, 2973), (241, 3066), (244, 3069), (291, 3144), (322, 3183), (349, 3246), (356, 3273), (357, 3276), (365, 3297), (371, 3318), (380, 3360), (381, 3363), (424, 3465), (428, 3480), (430, 3486), (450, 3567), (460, 3594), (461, 3600), (490, 3693), (495, 3720), (497, 3729), (518, 3783), (521, 3804), (524, 3825), (530, 3852), (533, 3861), (549, 3921), (557, 3951), (564, 3960), (626, 4068), (653, 4263),

Gene: Calvinny_15 Start: 8726, Stop: 10180, Start Num: 58

Candidate Starts for Calvinny_15:

(Start: 58 @8726 has 296 MA's), (Start: 90 @8756 has 2 MA's), (101, 8783), (136, 8888), (179, 9002), (193, 9068), (209, 9125), (247, 9203), (248, 9206), (349, 9347), (377, 9458), (379, 9464), (385, 9485), (443, 9650), (483, 9776), (496, 9830), (497, 9836), (502, 9851), (516, 9887), (535, 9974), (544, 10004), (551, 10034), (573, 10079), (581, 10088),

Gene: Camperdownii_11 Start: 8195, Stop: 9649, Start Num: 58

Candidate Starts for Camperdownii_11:

(Start: 58 @8195 has 296 MA's), (132, 8345), (136, 8357), (190, 8525), (197, 8555), (209, 8594), (215, 8612), (247, 8672), (344, 8801), (349, 8819), (377, 8930), (379, 8936), (385, 8957), (386, 8963), (411, 9032), (435, 9092), (443, 9137), (483, 9263), (484, 9266), (496, 9317), (502, 9338), (510, 9368), (532, 9458), (544, 9494), (551, 9524), (562, 9554),

Gene: Candra_16 Start: 9317, Stop: 10780, Start Num: 59

Candidate Starts for Candra_16:

(Start: 59 @9317 has 322 MA's), (Start: 72 @9338 has 15 MA's), (101, 9377), (131, 9464), (133, 9476), (136, 9482), (224, 9764), (358, 9977), (373, 10028), (377, 10055), (379, 10061), (385, 10082), (502, 10448), (510, 10475), (516, 10484), (526, 10544), (544, 10601), (551, 10631), (560, 10661), (582, 10688),

Gene: Cappuccino_3 Start: 2306, Stop: 3871, Start Num: 72

Candidate Starts for Cappuccino_3:

(Start: 72 @2306 has 15 MA's), (Start: 129 @2432 has 2 MA's), (197, 2657), (208, 2693), (228, 2702), (279, 2795), (300, 2819), (349, 2924), (460, 3257), (464, 3272), (465, 3275), (530, 3515), (608, 3689), (645, 3803), (649, 3836),

Gene: Capricorn_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for Capricorn_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: Caraxes_12 Start: 7939, Stop: 9396, Start Num: 59

Candidate Starts for Caraxes_12:

(Start: 59 @7939 has 322 MA's), (101, 7999), (132, 8092), (136, 8104), (224, 8386), (373, 8647), (377, 8674), (379, 8680), (385, 8701), (460, 8914), (496, 9046), (501, 9064), (502, 9067), (510, 9094), (516, 9103), (535, 9190), (544, 9220), (551, 9250), (560, 9280), (580, 9304),

Gene: Carlyle_14 Start: 9277, Stop: 10719, Start Num: 89

Candidate Starts for Carlyle_14:

(Start: 50 @9211 has 1 MA's), (Start: 89 @9277 has 214 MA's), (162, 9475), (224, 9688), (349, 9883), (352, 9895), (377, 9994), (398, 10066), (446, 10189), (460, 10228), (483, 10306), (485, 10312), (495, 10357), (496, 10360), (499, 10372), (502, 10381), (525, 10471), (551, 10561), (562, 10594), (573, 10606),

Gene: Caron_3 Start: 2378, Stop: 3748, Start Num: 76

Candidate Starts for Caron_3:

(Start: 76 @2378 has 57 MA's), (Start: 129 @2498 has 2 MA's), (197, 2723), (383, 3086), (472, 3347), (475, 3356), (518, 3503), (522, 3533), (541, 3608),

Gene: CartmannCramer_12 Start: 10230, Stop: 11672, Start Num: 89

Candidate Starts for CartmannCramer_12:

(Start: 50 @10164 has 1 MA's), (Start: 89 @10230 has 214 MA's), (162, 10428), (224, 10641), (349, 10836), (352, 10848), (377, 10947), (446, 11142), (460, 11181), (483, 11259), (485, 11265), (496, 11313), (499, 11325), (502, 11334), (525, 11424), (551, 11514), (562, 11547), (573, 11559),

Gene: CaseJules_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for CaseJules_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: Cassia_3 Start: 2263, Stop: 3798, Start Num: 73

Candidate Starts for Cassia_3:

(Start: 73 @2263 has 17 MA's), (Start: 129 @2383 has 2 MA's), (165, 2482), (279, 2746), (296, 2761), (393, 3019), (456, 3184), (474, 3223), (478, 3253), (486, 3277), (530, 3451), (543, 3496), (569, 3562), (623, 3661),

Gene: CatBus_13 Start: 9436, Stop: 10878, Start Num: 89

Candidate Starts for CatBus_13:

(Start: 50 @9370 has 1 MA's), (Start: 89 @9436 has 214 MA's), (162, 9634), (224, 9847), (349, 10042), (352, 10054), (377, 10153), (446, 10348), (460, 10387), (483, 10465), (485, 10471), (496, 10519), (499, 10531), (502, 10540), (525, 10630), (551, 10720), (562, 10753), (573, 10765),

Gene: Catalina_14 Start: 9894, Stop: 11381, Start Num: 59

Candidate Starts for Catalina_14:

(Start: 59 @9894 has 322 MA's), (101, 9957), (136, 10062), (200, 10272), (213, 10311), (224, 10344), (247, 10377), (349, 10521), (359, 10557), (362, 10566), (373, 10605), (377, 10632), (379, 10638), (385, 10659), (392, 10689), (400, 10710), (417, 10734), (427, 10749), (496, 11004), (501, 11022), (510, 11052), (512, 11055), (516, 11061), (542, 11172), (544, 11178), (551, 11208), (573, 11253), (580, 11262),

Gene: Caviar_13 Start: 8738, Stop: 10207, Start Num: 58

Candidate Starts for Caviar_13:

(Start: 58 @8738 has 296 MA's), (94, 8777), (136, 8903), (169, 8987), (186, 9050), (193, 9083), (197, 9101), (209, 9140), (219, 9167), (247, 9218), (344, 9344), (347, 9356), (351, 9371), (352, 9374), (373, 9446), (377, 9473), (379, 9479), (385, 9500), (386, 9506), (392, 9530), (411, 9572), (443, 9677), (483, 9803), (484, 9806), (496, 9857), (497, 9863), (502, 9878), (510, 9908), (544, 10034), (551, 10064), (562, 10094),

Gene: Celery_9 Start: 4163, Stop: 5596, Start Num: 83

Candidate Starts for Celery_9:

(Start: 57 @4130 has 1 MA's), (Start: 83 @4163 has 105 MA's), (Start: 129 @4280 has 2 MA's), (148, 4328), (151, 4340), (237, 4583), (288, 4670), (334, 4748), (337, 4754), (370, 4853), (392, 4946), (409, 4985), (426, 5021), (436, 5066), (448, 5123), (496, 5285), (501, 5303), (520, 5360), (551, 5492), (611, 5582),

Gene: Celeste_7 Start: 4057, Stop: 5493, Start Num: 83

Candidate Starts for Celeste_7:

(Start: 72 @4051 has 15 MA's), (Start: 83 @4057 has 105 MA's), (96, 4081), (106, 4105), (Start: 129 @4174 has 2 MA's), (148, 4222), (165, 4273), (200, 4426), (225, 4456), (269, 4540), (298, 4582), (337, 4648), (366, 4738), (370, 4750), (392, 4843), (426, 4921), (436, 4966), (448, 5023), (456, 5047), (513, 5236), (520, 5260), (611, 5479),

Gene: Celestialunch_13 Start: 8001, Stop: 9485, Start Num: 59

Candidate Starts for Celestialunch_13:

(Start: 59 @8001 has 322 MA's), (101, 8061), (131, 8148), (136, 8166), (165, 8235), (179, 8280), (200, 8376), (213, 8415), (224, 8448), (327, 8592), (349, 8625), (359, 8661), (362, 8670), (373, 8709), (377, 8736), (379, 8742), (385, 8763), (400, 8814), (446, 8937), (496, 9108), (501, 9126), (510, 9156), (516, 9165), (542, 9276), (544, 9282), (551, 9312), (573, 9357), (580, 9366),

Gene: Celia_7 Start: 4355, Stop: 5830, Start Num: 83

Candidate Starts for Celia_7:

(Start: 83 @4355 has 105 MA's), (Start: 95 @4376 has 1 MA's), (Start: 129 @4472 has 2 MA's), (151, 4532), (185, 4664), (189, 4685), (199, 4721), (298, 4883), (323, 4925), (357, 5009), (370, 5048), (381, 5096), (387, 5123), (392, 5141), (401, 5165), (404, 5186), (408, 5222), (426, 5261), (436, 5306), (448, 5363), (456, 5387), (520, 5600), (541, 5690), (551, 5732),

Gene: Cen1621_3 Start: 2349, Stop: 3737, Start Num: 76

Candidate Starts for Cen1621_3:

(Start: 76 @2349 has 57 MA's), (Start: 129 @2469 has 2 MA's), (197, 2694), (335, 2913), (352, 2961), (367, 3003), (381, 3060), (383, 3066), (442, 3231), (474, 3312), (495, 3408), (519, 3468), (530, 3534), (533, 3543), (541, 3570), (543, 3579), (577, 3654),

Gene: Centaur_15 Start: 9707, Stop: 11167, Start Num: 59

Candidate Starts for Centaur_15:

(Start: 59 @9707 has 322 MA's), (101, 9767), (132, 9860), (136, 9872), (224, 10154), (247, 10187), (350, 10334), (352, 10343), (373, 10415), (377, 10442), (379, 10448), (385, 10469), (464, 10697), (496, 10814), (502, 10835), (510, 10862), (516, 10871), (544, 10988), (551, 11018), (560, 11048), (580, 11072),

Gene: CentreCat_12 Start: 8579, Stop: 10030, Start Num: 58

Candidate Starts for CentreCat_12:

(Start: 58 @8579 has 296 MA's), (136, 8738), (190, 8906), (197, 8936), (209, 8975), (215, 8993), (247, 9053), (344, 9182), (349, 9200), (377, 9311), (379, 9317), (385, 9338), (386, 9344), (411, 9413), (435, 9473), (443, 9518), (483, 9644), (484, 9647), (496, 9698), (497, 9704), (502, 9719), (510, 9749), (532, 9839), (544, 9875), (546, 9887), (551, 9905), (562, 9935),

Gene: Cerasum_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Cerasum_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652),

(257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Cerulean_12 Start: 8556, Stop: 10007, Start Num: 58

Candidate Starts for Cerulean_12:

(Start: 58 @8556 has 296 MA's), (136, 8715), (190, 8883), (197, 8913), (209, 8952), (215, 8970), (247, 9030), (344, 9159), (349, 9177), (377, 9288), (379, 9294), (385, 9315), (386, 9321), (411, 9390), (435, 9450), (483, 9621), (484, 9624), (496, 9675), (497, 9681), (502, 9696), (510, 9726), (532, 9816), (544, 9852), (546, 9864), (551, 9882), (562, 9912),

Gene: Chadwick_11 Start: 7734, Stop: 9167, Start Num: 59

Candidate Starts for Chadwick_11:

(Start: 59 @7734 has 322 MA's), (131, 7863), (149, 7902), (153, 7917), (200, 8091), (209, 8118), (224, 8163), (247, 8196), (258, 8217), (299, 8277), (351, 8349), (352, 8352), (373, 8424), (379, 8457), (385, 8478), (392, 8508), (483, 8769), (496, 8823), (501, 8841), (516, 8880), (544, 8997), (551, 9027), (560, 9057), (573, 9072), (581, 9081),

Gene: ChampagnePapi_12 Start: 8555, Stop: 10006, Start Num: 58

Candidate Starts for ChampagnePapi_12:

(Start: 58 @8555 has 296 MA's), (136, 8714), (190, 8882), (197, 8912), (209, 8951), (215, 8969), (247, 9029), (344, 9158), (349, 9176), (377, 9287), (379, 9293), (385, 9314), (386, 9320), (411, 9389), (435, 9449), (483, 9620), (484, 9623), (496, 9674), (497, 9680), (502, 9695), (510, 9725), (532, 9815), (544, 9851), (546, 9863), (551, 9881), (562, 9911),

Gene: Chanagan_11 Start: 8273, Stop: 9715, Start Num: 89

Candidate Starts for Chanagan_11:

(Start: 50 @8207 has 1 MA's), (Start: 89 @8273 has 214 MA's), (162, 8471), (224, 8684), (349, 8879), (352, 8891), (377, 8990), (446, 9185), (460, 9224), (483, 9302), (485, 9308), (496, 9356), (499, 9368), (502, 9377), (525, 9467), (551, 9557), (562, 9590), (573, 9602),

Gene: Chancellor_10 Start: 3932, Stop: 5518, Start Num: 30

Candidate Starts for Chancellor_10:

(Start: 29 @3917 has 30 MA's), (Start: 30 @3932 has 28 MA's), (Start: 39 @3956 has 1 MA's), (Start: 81 @4022 has 1 MA's), (105, 4067), (Start: 129 @4139 has 2 MA's), (150, 4196), (153, 4205), (154, 4208), (165, 4238), (185, 4307), (189, 4328), (197, 4364), (199, 4370), (208, 4394), (231, 4430), (238, 4445), (260, 4484), (333, 4619), (337, 4628), (345, 4646), (351, 4673), (352, 4676), (362, 4709), (373, 4742), (375, 4763), (382, 4784), (423, 4847), (431, 4871), (436, 4895), (445, 4943), (449, 4955), (453, 4967), (455, 4973), (472, 5012), (499, 5126), (501, 5132), (533, 5303), (541, 5330), (543, 5339), (567, 5402), (576, 5414),

Gene: Changeling_16 Start: 11068, Stop: 12528, Start Num: 59

Candidate Starts for Changeling_16:

(Start: 59 @11068 has 322 MA's), (101, 11128), (136, 11233), (224, 11515), (247, 11548), (350, 11698), (373, 11779), (377, 11806), (379, 11812), (385, 11833), (496, 12178), (501, 12196), (502, 12199), (505, 12214), (510, 12226), (516, 12235), (544, 12352), (551, 12382), (560, 12412), (580, 12436),

Gene: Chaph_12 Start: 8587, Stop: 10038, Start Num: 58

Candidate Starts for Chaph_12:

(Start: 58 @8587 has 296 MA's), (132, 8734), (136, 8746), (190, 8914), (197, 8944), (209, 8983), (215, 9001), (247, 9061), (344, 9190), (349, 9208), (352, 9220), (377, 9319), (379, 9325), (385, 9346), (386,

9352), (411, 9421), (435, 9481), (443, 9526), (483, 9652), (484, 9655), (496, 9706), (502, 9727), (510, 9757), (532, 9847), (544, 9883), (551, 9913), (562, 9943),

Gene: Chargerpower_13 Start: 8369, Stop: 9832, Start Num: 59

Candidate Starts for Chargerpower_13:

(Start: 59 @8369 has 322 MA's), (Start: 66 @8381 has 4 MA's), (101, 8429), (109, 8453), (136, 8534), (165, 8603), (200, 8744), (224, 8816), (350, 8999), (373, 9080), (377, 9107), (379, 9113), (385, 9134), (400, 9185), (417, 9209), (446, 9308), (496, 9479), (501, 9497), (510, 9527), (516, 9536), (535, 9623), (544, 9653), (551, 9683), (560, 9713), (580, 9737),

Gene: Charm_13 Start: 8077, Stop: 9561, Start Num: 59

Candidate Starts for Charm_13:

(Start: 59 @8077 has 322 MA's), (101, 8137), (136, 8242), (179, 8356), (200, 8452), (224, 8524), (247, 8557), (327, 8668), (349, 8701), (359, 8737), (362, 8746), (373, 8785), (376, 8809), (377, 8812), (379, 8818), (384, 8836), (385, 8839), (400, 8890), (496, 9184), (501, 9202), (510, 9232), (516, 9241), (535, 9328), (542, 9352), (544, 9358), (551, 9388), (573, 9433), (580, 9442),

Gene: Chartreuse_16 Start: 9231, Stop: 10694, Start Num: 59

Candidate Starts for Chartreuse_16:

(Start: 59 @9231 has 322 MA's), (Start: 72 @9252 has 15 MA's), (101, 9291), (131, 9378), (133, 9390), (136, 9396), (224, 9678), (358, 9891), (373, 9942), (377, 9969), (379, 9975), (385, 9996), (502, 10362), (510, 10389), (516, 10398), (526, 10458), (544, 10515), (551, 10545), (560, 10575), (582, 10602),

Gene: Chaser_5 Start: 2379, Stop: 4016, Start Num: 62

Candidate Starts for Chaser_5:

(Start: 62 @2379 has 9 MA's), (107, 2454), (153, 2583), (154, 2586), (165, 2616), (185, 2688), (192, 2724), (202, 2763), (234, 2802), (291, 2895), (322, 2934), (339, 2967), (347, 2991), (349, 2997), (355, 3018), (356, 3024), (357, 3027), (365, 3048), (381, 3114), (424, 3216), (430, 3237), (460, 3345), (461, 3351), (490, 3444), (495, 3471), (518, 3534), (524, 3576), (530, 3603), (531, 3606), (533, 3612), (549, 3672), (557, 3702), (564, 3711), (570, 3717), (621, 3807), (626, 3819), (648, 3897),

Gene: Chavito_9 Start: 3103, Stop: 4653, Start Num: 32

Candidate Starts for Chavito_9:

(22, 2998), (Start: 29 @3088 has 30 MA's), (Start: 32 @3103 has 139 MA's), (99, 3205), (Start: 129 @3286 has 2 MA's), (136, 3310), (153, 3352), (185, 3454), (189, 3475), (192, 3490), (231, 3580), (238, 3595), (278, 3670), (301, 3715), (321, 3745), (330, 3760), (331, 3766), (337, 3784), (352, 3832), (362, 3865), (373, 3898), (375, 3919), (380, 3934), (382, 3940), (388, 3970), (423, 4003), (429, 4021), (436, 4051), (445, 4099), (449, 4111), (450, 4114), (454, 4126), (455, 4129), (474, 4165), (496, 4264), (501, 4282), (518, 4324), (525, 4375), (533, 4399), (540, 4423), (541, 4426), (543, 4435), (591, 4531), (607, 4558),

Gene: Che12_14 Start: 8036, Stop: 9493, Start Num: 59

Candidate Starts for Che12_14:

(Start: 59 @8036 has 322 MA's), (101, 8096), (136, 8201), (224, 8483), (350, 8663), (351, 8669), (373, 8744), (377, 8771), (379, 8777), (385, 8798), (460, 9011), (496, 9143), (501, 9161), (502, 9164), (510, 9191), (516, 9200), (535, 9287), (544, 9317), (551, 9347), (560, 9377), (580, 9401), (595, 9422),

Gene: CheetoDust_9 Start: 3046, Stop: 4599, Start Num: 32

Candidate Starts for CheetoDust_9:

(22, 2944), (Start: 29 @3031 has 30 MA's), (Start: 32 @3046 has 139 MA's), (96, 3148), (99, 3157), (125, 3229), (Start: 129 @3238 has 2 MA's), (136, 3262), (150, 3295), (153, 3304), (185, 3406), (189, 3427), (198, 3466), (199, 3469), (231, 3532), (238, 3547), (250, 3571), (278, 3622), (289, 3643), (321, 3697), (362, 3817), (373, 3850), (375, 3871), (382, 3892), (388, 3922), (423, 3955), (429, 3973), (440,

4033), (445, 4051), (449, 4063), (450, 4066), (454, 4078), (455, 4081), (474, 4117), (484, 4165), (496, 4216), (501, 4234), (526, 4330), (533, 4351), (541, 4378), (543, 4387), (553, 4423),

Gene: Cheetobro_10 Start: 3932, Stop: 5518, Start Num: 30

Candidate Starts for Cheetobro_10:

(Start: 29 @3917 has 30 MA's), (Start: 30 @3932 has 28 MA's), (Start: 39 @3956 has 1 MA's), (Start: 81 @4022 has 1 MA's), (105, 4067), (Start: 129 @4139 has 2 MA's), (150, 4196), (153, 4205), (154, 4208), (165, 4238), (185, 4307), (189, 4328), (197, 4364), (199, 4370), (208, 4394), (231, 4430), (238, 4445), (260, 4484), (333, 4619), (337, 4628), (345, 4646), (351, 4673), (352, 4676), (362, 4709), (373, 4742), (375, 4763), (382, 4784), (423, 4847), (431, 4871), (436, 4895), (445, 4943), (449, 4955), (453, 4967), (455, 4973), (472, 5012), (499, 5126), (501, 5132), (533, 5303), (541, 5330), (543, 5339), (567, 5402), (576, 5414),

Gene: ChickenDinner_4 Start: 2202, Stop: 3623, Start Num: 78

Candidate Starts for ChickenDinner_4:

(Start: 78 @2202 has 61 MA's), (Start: 95 @2229 has 1 MA's), (99, 2241), (148, 2370), (153, 2388), (155, 2394), (165, 2421), (185, 2490), (192, 2526), (197, 2547), (199, 2553), (208, 2577), (211, 2580), (227, 2607), (253, 2655), (257, 2661), (268, 2688), (280, 2706), (332, 2799), (338, 2817), (349, 2850), (351, 2859), (352, 2862), (367, 2910), (370, 2919), (375, 2949), (381, 2967), (388, 3000), (431, 3057), (449, 3141), (455, 3159), (464, 3186), (472, 3198), (474, 3201), (475, 3207), (476, 3222), (486, 3255), (518, 3360), (533, 3435), (534, 3441), (537, 3450), (540, 3459), (543, 3471), (572, 3534), (600, 3582),

Gene: ChipMunk_15 Start: 9611, Stop: 11086, Start Num: 59

Candidate Starts for ChipMunk_15:

(Start: 59 @9611 has 322 MA's), (101, 9671), (136, 9776), (197, 9974), (224, 10058), (247, 10091), (327, 10202), (373, 10319), (377, 10346), (379, 10352), (385, 10373), (386, 10379), (400, 10424), (446, 10547), (496, 10718), (501, 10736), (502, 10739), (510, 10766), (516, 10775), (544, 10892), (551, 10922), (560, 10952), (580, 10976), (634, 11063),

Gene: Chiqui_11 Start: 8414, Stop: 9880, Start Num: 59

Candidate Starts for Chiqui_11:

(Start: 59 @8414 has 322 MA's), (94, 8459), (136, 8585), (169, 8669), (186, 8732), (193, 8765), (197, 8783), (209, 8822), (219, 8849), (347, 9038), (359, 9080), (373, 9128), (376, 9152), (377, 9155), (379, 9161), (385, 9182), (386, 9188), (443, 9359), (483, 9485), (484, 9488), (496, 9539), (497, 9545), (502, 9560), (510, 9590), (544, 9716), (551, 9746), (562, 9776),

Gene: Chris_8 Start: 2961, Stop: 4514, Start Num: 32

Candidate Starts for Chris_8:

(22, 2856), (Start: 29 @2946 has 30 MA's), (Start: 32 @2961 has 139 MA's), (51, 2997), (99, 3075), (105, 3084), (Start: 129 @3156 has 2 MA's), (136, 3180), (145, 3198), (150, 3213), (153, 3222), (154, 3225), (189, 3345), (192, 3360), (198, 3384), (199, 3387), (238, 3465), (260, 3504), (289, 3561), (331, 3636), (362, 3735), (373, 3768), (375, 3789), (382, 3810), (423, 3873), (429, 3891), (436, 3921), (445, 3969), (449, 3981), (450, 3984), (454, 3996), (455, 3999), (495, 4131), (501, 4152), (523, 4233), (525, 4245), (526, 4248), (533, 4269), (540, 4293), (541, 4296), (543, 4305), (553, 4341), (607, 4428),

Gene: ChristmasHams_12 Start: 8740, Stop: 10182, Start Num: 89

Candidate Starts for ChristmasHams_12:

(Start: 50 @8674 has 1 MA's), (Start: 89 @8740 has 214 MA's), (162, 8938), (224, 9151), (349, 9346), (352, 9358), (377, 9457), (398, 9529), (446, 9652), (460, 9691), (483, 9769), (485, 9775), (496, 9823), (499, 9835), (502, 9844), (525, 9934), (551, 10024), (562, 10057), (573, 10069),

Gene: ChuckDuck_3 Start: 2383, Stop: 3747, Start Num: 74

Candidate Starts for ChuckDuck_3:

(Start: 74 @2383 has 11 MA's), (145, 2551), (151, 2569), (163, 2605), (199, 2743), (216, 2779), (275, 2890), (300, 2920), (327, 2965), (335, 2986), (347, 3019), (367, 3082), (381, 3139), (440, 3298), (450, 3331), (471, 3385), (492, 3463), (496, 3487), (526, 3589), (527, 3595), (589, 3739),

Gene: Chucky_7 Start: 4056, Stop: 5492, Start Num: 83

Candidate Starts for Chucky_7:

(Start: 72 @4050 has 15 MA's), (Start: 83 @4056 has 105 MA's), (96, 4080), (106, 4104), (Start: 129 @4173 has 2 MA's), (148, 4221), (151, 4233), (165, 4272), (200, 4425), (269, 4539), (298, 4581), (334, 4641), (337, 4647), (366, 4737), (370, 4749), (387, 4824), (392, 4842), (426, 4920), (436, 4965), (448, 5022), (513, 5235), (520, 5259), (551, 5391), (590, 5457), (611, 5478),

Gene: Chupacabra_12 Start: 8376, Stop: 9818, Start Num: 58

Candidate Starts for Chupacabra_12:

(Start: 58 @8376 has 296 MA's), (136, 8535), (165, 8604), (186, 8682), (193, 8715), (197, 8733), (208, 8772), (210, 8775), (299, 8934), (347, 8991), (352, 9009), (377, 9108), (379, 9114), (385, 9135), (386, 9141), (443, 9315), (483, 9441), (484, 9444), (496, 9495), (497, 9501), (502, 9516), (510, 9546), (516, 9555), (532, 9636), (544, 9672), (551, 9702), (577, 9753),

Gene: ChutneyChips_4 Start: 2379, Stop: 4016, Start Num: 62

Candidate Starts for ChutneyChips_4:

(Start: 62 @2379 has 9 MA's), (107, 2454), (154, 2586), (165, 2616), (185, 2688), (199, 2751), (202, 2763), (241, 2817), (322, 2934), (339, 2967), (347, 2991), (349, 2997), (355, 3018), (356, 3024), (357, 3027), (365, 3048), (371, 3069), (373, 3075), (430, 3237), (460, 3345), (461, 3351), (490, 3444), (495, 3471), (518, 3534), (530, 3603), (533, 3612), (549, 3672), (557, 3702), (564, 3711), (570, 3717), (621, 3807), (626, 3819), (648, 3897),

Gene: Ciao_12 Start: 8659, Stop: 10101, Start Num: 89

Candidate Starts for Ciao_12:

(Start: 50 @8593 has 1 MA's), (Start: 89 @8659 has 214 MA's), (162, 8857), (224, 9070), (349, 9265), (350, 9268), (352, 9277), (377, 9376), (446, 9571), (460, 9610), (483, 9688), (485, 9694), (496, 9742), (499, 9754), (502, 9763), (516, 9796), (525, 9853), (551, 9943), (562, 9976), (573, 9988),

Gene: CicholasNage_5 Start: 2626, Stop: 4299, Start Num: 61

Candidate Starts for CicholasNage_5:

(Start: 61 @2626 has 69 MA's), (101, 2689), (116, 2743), (127, 2767), (154, 2836), (162, 2860), (185, 2938), (192, 2974), (241, 3067), (244, 3070), (291, 3145), (322, 3184), (349, 3247), (356, 3274), (357, 3277), (365, 3298), (371, 3319), (380, 3361), (381, 3364), (424, 3466), (428, 3481), (430, 3487), (450, 3568), (460, 3595), (461, 3601), (490, 3694), (495, 3721), (497, 3730), (518, 3784), (521, 3805), (524, 3826), (530, 3853), (533, 3862), (549, 3922), (557, 3952), (564, 3961), (626, 4069), (653, 4264),

Gene: Cici_12 Start: 8575, Stop: 10026, Start Num: 58

Candidate Starts for Cici_12:

(Start: 58 @8575 has 296 MA's), (132, 8725), (136, 8737), (186, 8884), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (219, 9001), (247, 9052), (344, 9181), (349, 9199), (362, 9244), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (501, 9715), (502, 9718), (510, 9745), (535, 9841), (544, 9871), (551, 9901), (562, 9931),

Gene: Cindaradix_11 Start: 8284, Stop: 9738, Start Num: 58

Candidate Starts for Cindaradix_11:

(Start: 58 @8284 has 296 MA's), (132, 8434), (136, 8446), (186, 8593), (190, 8614), (197, 8644), (209, 8683), (215, 8701), (247, 8761), (344, 8890), (349, 8908), (352, 8920), (377, 9019), (379, 9025), (385, 9046), (386, 9052), (411, 9121), (443, 9226), (483, 9352), (484, 9355), (496, 9406), (502, 9427), (510,

9457), (532, 9547), (544, 9583), (551, 9613), (562, 9643), (630, 9724),

Gene: Cintron_12 Start: 8623, Stop: 10077, Start Num: 58

Candidate Starts for Cintron_12:

(Start: 58 @8623 has 296 MA's), (132, 8773), (136, 8785), (190, 8953), (197, 8983), (209, 9022), (215, 9040), (247, 9100), (344, 9229), (349, 9247), (377, 9358), (379, 9364), (385, 9385), (386, 9391), (411, 9460), (435, 9520), (443, 9565), (464, 9628), (483, 9691), (484, 9694), (496, 9745), (502, 9766), (510, 9796), (532, 9886), (544, 9922), (551, 9952), (562, 9982),

Gene: Citius_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Citius_12:

(Start: 58 @8578 has 296 MA's), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Clammy_12 Start: 8193, Stop: 9659, Start Num: 59

Candidate Starts for Clammy_12:

(Start: 59 @8193 has 322 MA's), (136, 8364), (169, 8448), (186, 8511), (193, 8544), (197, 8562), (209, 8601), (219, 8628), (245, 8676), (347, 8817), (350, 8826), (373, 8907), (376, 8931), (377, 8934), (379, 8940), (384, 8958), (385, 8961), (386, 8967), (443, 9138), (483, 9264), (484, 9267), (496, 9318), (497, 9324), (502, 9339), (510, 9369), (544, 9495), (551, 9525), (562, 9555),

Gene: Clarenza_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Clarenza_12:

(Start: 58 @8578 has 296 MA's), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Claus_5 Start: 2650, Stop: 4305, Start Num: 61

Candidate Starts for Claus_5:

(Start: 61 @2650 has 69 MA's), (101, 2713), (127, 2791), (154, 2860), (162, 2884), (165, 2890), (185, 2962), (192, 2998), (199, 3025), (234, 3076), (291, 3169), (322, 3208), (347, 3265), (349, 3271), (352, 3283), (355, 3292), (356, 3298), (357, 3301), (365, 3322), (371, 3343), (373, 3349), (381, 3388), (420, 3484), (430, 3511), (460, 3619), (461, 3625), (490, 3718), (495, 3745), (518, 3808), (521, 3829), (524, 3850), (530, 3877), (533, 3886), (549, 3946), (557, 3976), (564, 3985), (570, 3991), (621, 4081), (626, 4093), (637, 4126), (644, 4165), (653, 4270),

Gene: Clautastrophe_6 Start: 2756, Stop: 4399, Start Num: 61

Candidate Starts for Clautastrophe_6:

(Start: 61 @2756 has 69 MA's), (99, 2816), (154, 2966), (165, 2996), (185, 3068), (200, 3134), (234, 3182), (291, 3275), (322, 3314), (356, 3404), (359, 3413), (365, 3428), (430, 3617), (439, 3650), (447, 3689), (461, 3731), (518, 3914), (524, 3956), (530, 3983), (533, 3992), (549, 4052), (557, 4082), (564, 4091), (611, 4166), (626, 4199),

Gene: Clipper_9 Start: 3031, Stop: 4599, Start Num: 29

Candidate Starts for Clipper_9:

(22, 2944), (Start: 29 @3031 has 30 MA's), (Start: 32 @3046 has 139 MA's), (96, 3145), (99, 3154), (125, 3226), (Start: 129 @3235 has 2 MA's), (136, 3259), (150, 3292), (153, 3301), (165, 3334), (185, 3403), (189, 3424), (199, 3466), (231, 3532), (238, 3547), (278, 3622), (289, 3643), (321, 3697), (362, 3817), (373, 3850), (375, 3871), (382, 3892), (388, 3922), (423, 3955), (429, 3973), (440, 4033), (445, 4051), (449, 4063), (450, 4066), (454, 4078), (455, 4081), (474, 4117), (484, 4165), (496, 4216), (501,

4234), (526, 4330), (533, 4351), (541, 4378), (543, 4387), (553, 4423),

Gene: CloudWang3_16 Start: 9262, Stop: 10725, Start Num: 59

Candidate Starts for CloudWang3_16:

(Start: 59 @9262 has 322 MA's), (Start: 72 @9283 has 15 MA's), (101, 9322), (131, 9409), (133, 9421), (136, 9427), (224, 9709), (258, 9763), (358, 9922), (373, 9973), (377, 10000), (379, 10006), (385, 10027), (432, 10129), (460, 10240), (502, 10393), (505, 10408), (510, 10420), (516, 10429), (527, 10495), (535, 10516), (544, 10546), (551, 10576), (560, 10606), (582, 10633),

Gene: ClownCar_15 Start: 8724, Stop: 10178, Start Num: 58

Candidate Starts for ClownCar_15:

(Start: 58 @8724 has 296 MA's), (Start: 90 @8754 has 2 MA's), (101, 8781), (136, 8886), (179, 9000), (193, 9066), (209, 9123), (247, 9201), (248, 9204), (349, 9345), (377, 9456), (379, 9462), (385, 9483), (443, 9648), (483, 9774), (496, 9828), (497, 9834), (502, 9849), (516, 9885), (535, 9972), (544, 10002), (551, 10032), (573, 10077), (581, 10086),

Gene: Coco12_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Coco12_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Cocoaberry_12 Start: 8582, Stop: 10033, Start Num: 58

Candidate Starts for Cocoaberry_12:

(Start: 58 @8582 has 296 MA's), (132, 8729), (136, 8741), (190, 8909), (197, 8939), (209, 8978), (215, 8996), (247, 9056), (344, 9185), (349, 9203), (352, 9215), (377, 9314), (379, 9320), (385, 9341), (386, 9347), (411, 9416), (435, 9476), (443, 9521), (483, 9647), (484, 9650), (496, 9701), (502, 9722), (510, 9752), (532, 9842), (544, 9878), (551, 9908), (562, 9938),

Gene: CogOmlette_11 Start: 7969, Stop: 9453, Start Num: 59

Candidate Starts for CogOmlette_11:

(Start: 59 @7969 has 322 MA's), (101, 8029), (131, 8116), (136, 8134), (200, 8344), (224, 8416), (259, 8473), (327, 8560), (349, 8593), (359, 8629), (362, 8638), (373, 8677), (377, 8704), (379, 8710), (385, 8731), (386, 8737), (400, 8782), (427, 8821), (496, 9079), (501, 9097), (510, 9127), (516, 9136), (542, 9247), (544, 9253), (551, 9283), (573, 9328), (580, 9337),

Gene: Colbster_14 Start: 8654, Stop: 10108, Start Num: 58

Candidate Starts for Colbster_14:

(Start: 58 @8654 has 296 MA's), (Start: 90 @8684 has 2 MA's), (101, 8711), (136, 8816), (179, 8930), (193, 8996), (209, 9053), (247, 9131), (248, 9134), (349, 9275), (377, 9386), (379, 9392), (385, 9413), (443, 9578), (483, 9704), (496, 9758), (497, 9764), (502, 9779), (516, 9815), (535, 9902), (544, 9932), (551, 9962), (573, 10007), (581, 10016),

Gene: Colin_17 Start: 10885, Stop: 12345, Start Num: 59

Candidate Starts for Colin_17:

(Start: 59 @10885 has 322 MA's), (101, 10945), (136, 11050), (224, 11332), (247, 11365), (350, 11512), (352, 11521), (373, 11593), (377, 11620), (379, 11626), (385, 11647), (400, 11698), (496, 11992), (501, 12010), (502, 12013), (510, 12040), (516, 12049), (544, 12166), (551, 12196), (560, 12226), (580, 12250),

Gene: Collard_7 Start: 2765, Stop: 4300, Start Num: 32

Candidate Starts for Collard_7:

(Start: 32 @2765 has 139 MA's), (Start: 81 @2837 has 1 MA's), (99, 2873), (105, 2882), (116, 2927), (150, 3011), (154, 3023), (165, 3053), (170, 3071), (185, 3122), (192, 3158), (199, 3185), (224, 3236), (227, 3239), (231, 3245), (238, 3260), (240, 3263), (278, 3335), (289, 3356), (305, 3386), (331, 3431), (349, 3485), (362, 3530), (373, 3563), (380, 3599), (381, 3602), (382, 3605), (423, 3668), (429, 3686), (431, 3692), (445, 3764), (449, 3776), (450, 3779), (455, 3794), (475, 3839), (476, 3854), (482, 3875), (495, 3929), (496, 3932), (501, 3950), (505, 3965), (523, 4031), (526, 4046), (533, 4067), (538, 4085), (543, 4103), (553, 4139), (607, 4226),

Gene: Colleen_4 Start: 2870, Stop: 4285, Start Num: 71

Candidate Starts for Colleen_4:

(Start: 71 @2870 has 5 MA's), (113, 2960), (154, 3089), (162, 3113), (185, 3185), (192, 3221), (304, 3458), (337, 3512), (366, 3608), (379, 3662), (389, 3704), (422, 3746), (478, 3944), (530, 4142),

Gene: Commander_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Commander_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Community_4 Start: 3337, Stop: 4719, Start Num: 76

Candidate Starts for Community_4:

(Start: 76 @3337 has 57 MA's), (Start: 129 @3457 has 2 MA's), (165, 3556), (279, 3820), (393, 4093), (453, 4252), (474, 4300), (478, 4330), (486, 4354), (530, 4528), (575, 4648),

Gene: Conan_8 Start: 3902, Stop: 5335, Start Num: 83

Candidate Starts for Conan_8:

(Start: 83 @3902 has 105 MA's), (Start: 129 @4019 has 2 MA's), (148, 4067), (151, 4079), (237, 4322), (288, 4409), (323, 4469), (334, 4487), (337, 4493), (370, 4592), (387, 4667), (392, 4685), (409, 4724), (426, 4760), (448, 4862), (496, 5024), (501, 5042), (520, 5099), (541, 5189), (551, 5231), (590, 5297), (611, 5321),

Gene: ConceptII_12 Start: 8910, Stop: 10352, Start Num: 89

Candidate Starts for ConceptII_12:

(Start: 50 @8844 has 1 MA's), (Start: 89 @8910 has 214 MA's), (162, 9108), (224, 9321), (349, 9516), (350, 9519), (377, 9627), (398, 9699), (446, 9822), (460, 9861), (483, 9939), (485, 9945), (496, 9993), (499, 10005), (502, 10014), (516, 10047), (525, 10104), (551, 10194), (562, 10227), (573, 10239),

Gene: Connomayer_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Connomayer_12:

(Start: 58 @8578 has 296 MA's), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Conquerage_14 Start: 9923, Stop: 11410, Start Num: 59

Candidate Starts for Conquerage_14:

(Start: 59 @9923 has 322 MA's), (101, 9986), (136, 10091), (165, 10160), (200, 10301), (213, 10340), (224, 10373), (258, 10427), (349, 10550), (359, 10586), (362, 10595), (373, 10634), (377, 10661), (379, 10667), (385, 10688), (386, 10694), (400, 10739), (417, 10763), (427, 10778), (496, 11033), (501, 11051), (510, 11081), (512, 11084), (516, 11090), (542, 11201), (544, 11207), (551, 11237),

(573, 11282), (580, 11291),

Gene: Conspiracy_10 Start: 7757, Stop: 9190, Start Num: 59

Candidate Starts for Conspiracy_10:

(Start: 59 @7757 has 322 MA's), (149, 7925), (153, 7940), (155, 7946), (200, 8114), (209, 8141), (247, 8219), (299, 8300), (351, 8372), (352, 8375), (373, 8447), (379, 8480), (385, 8501), (392, 8531), (417, 8576), (483, 8792), (496, 8846), (501, 8864), (516, 8903), (544, 9020), (551, 9050), (560, 9080), (581, 9104),

Gene: Constance_3 Start: 2384, Stop: 3745, Start Num: 74

Candidate Starts for Constance_3:

(Start: 74 @2384 has 11 MA's), (126, 2501), (145, 2552), (151, 2570), (163, 2606), (179, 2654), (216, 2780), (259, 2861), (275, 2891), (327, 2966), (352, 3035), (376, 3125), (381, 3140), (450, 3332), (471, 3386), (501, 3506), (527, 3596), (564, 3710),

Gene: Coog_10 Start: 7907, Stop: 9340, Start Num: 59

Candidate Starts for Coog_10:

(Start: 59 @7907 has 322 MA's), (142, 8063), (149, 8075), (153, 8090), (155, 8096), (200, 8264), (209, 8291), (247, 8369), (299, 8450), (351, 8522), (352, 8525), (373, 8597), (379, 8630), (385, 8651), (388, 8669), (392, 8681), (417, 8726), (483, 8942), (496, 8996), (501, 9014), (516, 9053), (544, 9170), (551, 9200), (560, 9230), (581, 9254),

Gene: CookieBear_4 Start: 2275, Stop: 3612, Start Num: 88

Candidate Starts for CookieBear_4:

(27, 2152), (28, 2155), (41, 2197), (47, 2209), (Start: 80 @2263 has 4 MA's), (Start: 88 @2275 has 31 MA's), (108, 2323), (130, 2386), (132, 2398), (216, 2656), (247, 2713), (271, 2761), (345, 2848), (347, 2857), (355, 2884), (375, 2965), (379, 2977), (380, 2980), (386, 3004), (446, 3172), (464, 3226), (483, 3289), (486, 3298), (498, 3352), (512, 3391), (526, 3457), (551, 3538), (556, 3547), (585, 3598),

Gene: Cookiedough_16 Start: 9274, Stop: 10737, Start Num: 59

Candidate Starts for Cookiedough_16:

(Start: 59 @9274 has 322 MA's), (Start: 72 @9295 has 15 MA's), (101, 9334), (131, 9421), (133, 9433), (136, 9439), (224, 9721), (358, 9934), (373, 9985), (377, 10012), (379, 10018), (385, 10039), (502, 10405), (510, 10432), (516, 10441), (526, 10501), (544, 10558), (551, 10588), (560, 10618), (582, 10645),

Gene: Cornucopia_4 Start: 2201, Stop: 3622, Start Num: 78

Candidate Starts for Cornucopia_4:

(Start: 78 @2201 has 61 MA's), (Start: 95 @2228 has 1 MA's), (99, 2240), (148, 2369), (154, 2390), (165, 2420), (185, 2489), (189, 2510), (197, 2546), (199, 2552), (208, 2576), (211, 2579), (253, 2654), (257, 2660), (280, 2705), (301, 2747), (349, 2849), (351, 2858), (352, 2861), (355, 2870), (365, 2900), (367, 2909), (375, 2948), (381, 2966), (382, 2969), (388, 2999), (431, 3056), (439, 3095), (449, 3140), (455, 3158), (464, 3185), (472, 3197), (474, 3200), (475, 3206), (486, 3254), (519, 3362), (533, 3434), (537, 3449), (540, 3458), (541, 3461), (561, 3521), (572, 3533), (587, 3557), (600, 3581),

Gene: Corvo_12 Start: 8854, Stop: 10296, Start Num: 89

Candidate Starts for Corvo_12:

(Start: 50 @8788 has 1 MA's), (Start: 89 @8854 has 214 MA's), (162, 9052), (224, 9265), (349, 9460), (352, 9472), (377, 9571), (446, 9766), (460, 9805), (483, 9883), (485, 9889), (496, 9937), (499, 9949), (502, 9958), (525, 10048), (551, 10138), (562, 10171), (573, 10183),

Gene: CosmicBrownie_3 Start: 2347, Stop: 3684, Start Num: 88

Candidate Starts for CosmicBrownie_3:

(67, 2320), (Start: 80 @2335 has 4 MA's), (Start: 88 @2347 has 31 MA's), (106, 2389), (130, 2458), (132, 2470), (182, 2611), (216, 2728), (224, 2752), (247, 2785), (354, 2953), (375, 3037), (379, 3049), (380, 3052), (386, 3076), (399, 3118), (446, 3244), (448, 3250), (486, 3370), (495, 3412), (519, 3478), (525, 3526), (551, 3610), (552, 3613), (556, 3619), (585, 3670),

Gene: CosmicSans_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for CosmicSans_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Cosmo_27 Start: 9741, Stop: 11180, Start Num: 62

Candidate Starts for Cosmo_27:

(44, 9708), (Start: 58 @9732 has 296 MA's), (Start: 62 @9741 has 9 MA's), (96, 9792), (101, 9804), (106, 9816), (151, 9948), (153, 9954), (154, 9957), (155, 9960), (162, 9981), (165, 9987), (184, 10047), (185, 10056), (189, 10077), (221, 10155), (340, 10335), (352, 10365), (357, 10383), (362, 10398), (371, 10425), (377, 10458), (381, 10470), (382, 10473), (393, 10518), (418, 10554), (428, 10575), (442, 10638), (460, 10689), (483, 10761), (496, 10815), (498, 10824), (522, 10905), (527, 10935), (540, 10977), (546, 11004), (567, 11055), (574, 11064), (614, 11121), (631, 11160),

Gene: Crescenzo_4 Start: 2274, Stop: 3608, Start Num: 88

Candidate Starts for Crescenzo_4:

(Start: 80 @2262 has 4 MA's), (Start: 88 @2274 has 31 MA's), (101, 2301), (130, 2382), (132, 2394), (141, 2418), (216, 2652), (224, 2676), (271, 2757), (345, 2844), (349, 2859), (355, 2880), (375, 2961), (379, 2973), (380, 2976), (386, 3000), (399, 3042), (446, 3168), (457, 3198), (468, 3231), (486, 3294), (512, 3387), (519, 3402), (526, 3453), (528, 3462), (551, 3534), (556, 3543), (585, 3594),

Gene: Crewmate_4 Start: 2695, Stop: 4074, Start Num: 76

Candidate Starts for Crewmate_4:

(Start: 76 @2695 has 57 MA's), (Start: 129 @2815 has 2 MA's), (165, 2914), (279, 3178), (342, 3271), (393, 3451), (453, 3607), (474, 3655), (478, 3685), (486, 3709), (530, 3883), (543, 3928), (575, 4003),

Gene: CrimD_9 Start: 2995, Stop: 4548, Start Num: 32

Candidate Starts for CrimD_9:

(20, 2866), (22, 2893), (Start: 29 @2980 has 30 MA's), (Start: 32 @2995 has 139 MA's), (96, 3094), (99, 3103), (125, 3175), (Start: 129 @3184 has 2 MA's), (136, 3208), (150, 3241), (165, 3283), (185, 3352), (189, 3373), (198, 3412), (231, 3481), (238, 3496), (278, 3571), (289, 3592), (321, 3646), (362, 3766), (373, 3799), (375, 3820), (382, 3841), (388, 3871), (423, 3904), (429, 3922), (445, 4000), (449, 4012), (450, 4015), (454, 4027), (455, 4030), (474, 4066), (484, 4114), (501, 4183), (526, 4279), (533, 4300), (541, 4327), (543, 4336), (553, 4372), (586, 4426),

Gene: Crispicous1_11 Start: 8138, Stop: 9580, Start Num: 89

Candidate Starts for Crispicous1_11:

(Start: 50 @8072 has 1 MA's), (Start: 89 @8138 has 214 MA's), (162, 8336), (224, 8549), (349, 8744), (352, 8756), (377, 8855), (398, 8927), (446, 9050), (460, 9089), (483, 9167), (485, 9173), (496, 9221), (499, 9233), (502, 9242), (525, 9332), (551, 9422), (562, 9455), (573, 9467),

Gene: Croquant_15 Start: 8652, Stop: 10106, Start Num: 58

Candidate Starts for Croquant_15:

(Start: 58 @8652 has 296 MA's), (Start: 90 @8682 has 2 MA's), (101, 8709), (136, 8814), (179, 8928), (193, 8994), (209, 9051), (247, 9129), (248, 9132), (349, 9273), (377, 9384), (379, 9390), (385, 9411), (443, 9576), (483, 9702), (496, 9756), (497, 9762), (502, 9777), (516, 9813), (535, 9900), (544, 9930),

(551, 9960), (573, 10005), (581, 10014),

Gene: Crossroads_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Crossroads_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (424, 3478), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: Crucio_13 Start: 9170, Stop: 10633, Start Num: 59

Candidate Starts for Crucio_13:

(Start: 59 @9170 has 322 MA's), (101, 9230), (136, 9335), (197, 9533), (224, 9617), (247, 9650), (327, 9761), (373, 9878), (377, 9905), (379, 9911), (385, 9932), (400, 9983), (446, 10106), (496, 10277), (501, 10295), (502, 10298), (510, 10325), (516, 10334), (544, 10451), (551, 10481), (560, 10511),

Gene: Cuco_10 Start: 7938, Stop: 9371, Start Num: 59

Candidate Starts for Cuco_10:

(Start: 59 @7938 has 322 MA's), (142, 8094), (149, 8106), (153, 8121), (155, 8127), (200, 8295), (209, 8322), (247, 8400), (299, 8481), (351, 8553), (352, 8556), (373, 8628), (379, 8661), (385, 8682), (388, 8700), (392, 8712), (417, 8757), (483, 8973), (496, 9027), (501, 9045), (516, 9084), (535, 9171), (544, 9201), (551, 9231), (560, 9261), (581, 9285),

Gene: Cueyliss_12 Start: 8807, Stop: 10291, Start Num: 89

Candidate Starts for Cueyliss_12:

(Start: 50 @8741 has 1 MA's), (Start: 89 @8807 has 214 MA's), (162, 9005), (224, 9218), (349, 9413), (352, 9425), (377, 9524), (398, 9596), (446, 9719), (460, 9758), (483, 9836), (485, 9842), (496, 9890), (499, 9902), (502, 9911), (525, 10001), (551, 10091), (562, 10124), (573, 10136),

Gene: Cullens_14 Start: 8652, Stop: 10106, Start Num: 58

Candidate Starts for Cullens_14:

(Start: 58 @8652 has 296 MA's), (Start: 90 @8682 has 2 MA's), (101, 8709), (136, 8814), (179, 8928), (193, 8994), (209, 9051), (247, 9129), (248, 9132), (349, 9273), (377, 9384), (379, 9390), (385, 9411), (443, 9576), (483, 9702), (496, 9756), (497, 9762), (502, 9777), (516, 9813), (535, 9900), (544, 9930), (551, 9960), (573, 10005), (581, 10014),

Gene: Curiosium_10 Start: 3386, Stop: 4957, Start Num: 29

Candidate Starts for Curiosium_10:

(22, 3293), (Start: 29 @3386 has 30 MA's), (Start: 32 @3401 has 139 MA's), (Start: 64 @3449 has 1 MA's), (96, 3497), (99, 3506), (105, 3515), (Start: 129 @3587 has 2 MA's), (136, 3611), (150, 3644), (153, 3653), (185, 3755), (189, 3776), (192, 3791), (197, 3812), (199, 3818), (231, 3881), (238, 3896), (260, 3935), (289, 3992), (362, 4166), (375, 4220), (380, 4235), (382, 4241), (388, 4271), (429, 4322), (445, 4400), (449, 4412), (450, 4415), (454, 4427), (455, 4430), (460, 4442), (474, 4466), (501, 4583), (525, 4676), (526, 4679), (533, 4700), (540, 4724), (541, 4727), (543, 4736), (576, 4811), (607, 4859),

Gene: Cyan_3 Start: 2269, Stop: 3645, Start Num: 76

Candidate Starts for Cyan_3:

(Start: 76 @2269 has 57 MA's), (Start: 129 @2389 has 2 MA's), (165, 2488), (175, 2527), (279, 2752), (296, 2767), (342, 2845), (393, 3025), (456, 3193), (474, 3232), (478, 3262), (486, 3286), (530, 3460), (533, 3469), (575, 3580),

Gene: D29_14 Start: 9159, Stop: 10616, Start Num: 59

Candidate Starts for D29_14:

(Start: 59 @9159 has 322 MA's), (101, 9219), (132, 9312), (136, 9324), (219, 9588), (224, 9606), (327, 9750), (351, 9792), (373, 9867), (377, 9894), (379, 9900), (385, 9921), (386, 9927), (496, 10266), (502, 10287), (510, 10314), (516, 10323), (535, 10410), (544, 10440), (551, 10470), (560, 10500), (580, 10524),

Gene: D32_16 Start: 9159, Stop: 10616, Start Num: 59

Candidate Starts for D32_16:

(Start: 59 @9159 has 322 MA's), (101, 9219), (132, 9312), (136, 9324), (219, 9588), (224, 9606), (327, 9750), (351, 9792), (373, 9867), (377, 9894), (379, 9900), (385, 9921), (386, 9927), (496, 10266), (502, 10287), (510, 10314), (516, 10323), (535, 10410), (544, 10440), (551, 10470), (560, 10500), (580, 10524),

Gene: DBQu4n_16 Start: 9159, Stop: 10616, Start Num: 59

Candidate Starts for DBQu4n_16:

(Start: 59 @9159 has 322 MA's), (101, 9219), (132, 9312), (136, 9324), (224, 9606), (327, 9750), (351, 9792), (373, 9867), (377, 9894), (379, 9900), (385, 9921), (386, 9927), (496, 10266), (502, 10287), (510, 10314), (516, 10323), (535, 10410), (544, 10440), (551, 10470), (560, 10500), (580, 10524),

Gene: DD5_13 Start: 9389, Stop: 10831, Start Num: 89

Candidate Starts for DD5_13:

(Start: 50 @9323 has 1 MA's), (Start: 89 @9389 has 214 MA's), (162, 9587), (224, 9800), (349, 9995), (352, 10007), (377, 10106), (446, 10301), (460, 10340), (483, 10418), (485, 10424), (495, 10469), (496, 10472), (499, 10484), (502, 10493), (516, 10526), (525, 10583), (551, 10673), (562, 10706), (573, 10718),

Gene: DHan_5 Start: 2586, Stop: 4241, Start Num: 61

Candidate Starts for DHan_5:

(Start: 61 @2586 has 69 MA's), (101, 2649), (127, 2727), (154, 2796), (162, 2820), (165, 2826), (185, 2898), (192, 2934), (199, 2961), (234, 3012), (291, 3105), (322, 3144), (347, 3201), (349, 3207), (352, 3219), (355, 3228), (356, 3234), (357, 3237), (365, 3258), (371, 3279), (373, 3285), (381, 3324), (420, 3420), (430, 3447), (460, 3555), (461, 3561), (490, 3654), (495, 3681), (518, 3744), (521, 3765), (524, 3786), (530, 3813), (533, 3822), (549, 3882), (557, 3912), (564, 3921), (570, 3927), (621, 4017), (626, 4029), (637, 4062), (644, 4101), (653, 4206),

Gene: DS6A_6 Start: 3643, Stop: 5166, Start Num: 78

Candidate Starts for DS6A_6:

(Start: 78 @3643 has 61 MA's), (96, 3673), (99, 3682), (105, 3691), (110, 3709), (116, 3736), (Start: 129 @3763 has 2 MA's), (150, 3820), (151, 3823), (159, 3847), (165, 3862), (185, 3931), (189, 3952), (192, 3967), (199, 3994), (208, 4018), (287, 4162), (301, 4189), (303, 4192), (329, 4237), (338, 4273), (345, 4288), (349, 4306), (351, 4315), (352, 4318), (363, 4354), (380, 4420), (382, 4426), (388, 4456), (396, 4477), (423, 4498), (428, 4513), (431, 4522), (455, 4621), (460, 4633), (472, 4660), (482, 4705), (488, 4726), (495, 4759), (501, 4780), (524, 4861), (540, 4927), (541, 4930), (543, 4939), (549, 4963), (562, 4993), (632, 5104),

Gene: DaHudson_14 Start: 8646, Stop: 10100, Start Num: 58

Candidate Starts for DaHudson_14:

(Start: 58 @8646 has 296 MA's), (Start: 90 @8676 has 2 MA's), (101, 8703), (136, 8808), (179, 8922), (193, 8988), (209, 9045), (247, 9123), (248, 9126), (349, 9267), (377, 9378), (379, 9384), (385, 9405), (443, 9570), (483, 9696), (496, 9750), (497, 9756), (502, 9771), (516, 9807), (535, 9894), (544, 9924), (551, 9954), (573, 9999), (581, 10008),

Gene: DaVinci_16 Start: 9285, Stop: 10748, Start Num: 59

Candidate Starts for DaVinci_16:

(Start: 59 @9285 has 322 MA's), (Start: 72 @9306 has 15 MA's), (101, 9345), (131, 9432), (133, 9444), (136, 9450), (224, 9732), (358, 9945), (373, 9996), (377, 10023), (379, 10029), (385, 10050), (502, 10416), (510, 10443), (516, 10452), (526, 10512), (544, 10569), (551, 10599), (560, 10629), (582, 10656),

Gene: DaWorst_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for DaWorst_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Dadosky_7 Start: 2788, Stop: 4326, Start Num: 32

Candidate Starts for Dadosky_7:

(Start: 32 @2788 has 139 MA's), (96, 2890), (99, 2899), (116, 2953), (150, 3037), (154, 3049), (165, 3079), (170, 3097), (185, 3148), (192, 3184), (198, 3208), (199, 3211), (227, 3265), (238, 3286), (278, 3361), (289, 3382), (305, 3412), (331, 3457), (349, 3511), (362, 3556), (373, 3589), (380, 3625), (382, 3631), (423, 3694), (429, 3712), (445, 3790), (449, 3802), (450, 3805), (455, 3820), (475, 3865), (476, 3880), (482, 3901), (484, 3907), (495, 3955), (496, 3958), (501, 3976), (505, 3991), (523, 4057), (526, 4072), (533, 4093), (543, 4129), (553, 4165), (607, 4252),

Gene: Daishi_13 Start: 7579, Stop: 9033, Start Num: 58

Candidate Starts for Daishi_13:

(Start: 58 @7579 has 296 MA's), (Start: 90 @7609 has 2 MA's), (101, 7636), (136, 7741), (179, 7855), (193, 7921), (209, 7978), (247, 8056), (248, 8059), (349, 8200), (377, 8311), (379, 8317), (385, 8338), (443, 8503), (483, 8629), (496, 8683), (497, 8689), (502, 8704), (516, 8740), (535, 8827), (544, 8857), (551, 8887), (573, 8932), (581, 8941),

Gene: Dalmatian_13 Start: 9320, Stop: 10783, Start Num: 59

Candidate Starts for Dalmatian_13:

(Start: 59 @9320 has 322 MA's), (101, 9380), (136, 9485), (197, 9683), (224, 9767), (247, 9800), (327, 9911), (373, 10028), (377, 10055), (379, 10061), (385, 10082), (386, 10088), (400, 10133), (446, 10256), (496, 10427), (501, 10445), (502, 10448), (510, 10475), (516, 10484), (544, 10601), (551, 10631), (560, 10661), (580, 10685),

Gene: Dalmuri_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for Dalmuri_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: DanBing_4 Start: 2470, Stop: 4125, Start Num: 61

Candidate Starts for DanBing_4:

(Start: 61 @2470 has 69 MA's), (101, 2533), (127, 2611), (154, 2680), (162, 2704), (165, 2710), (185, 2782), (192, 2818), (199, 2845), (234, 2896), (291, 2989), (322, 3028), (347, 3085), (349, 3091), (352, 3103), (355, 3112), (356, 3118), (357, 3121), (365, 3142), (371, 3163), (373, 3169), (381, 3208), (420, 3304), (430, 3331), (460, 3439), (461, 3445), (490, 3538), (495, 3565), (518, 3628), (521, 3649), (524,

3670), (530, 3697), (533, 3706), (549, 3766), (557, 3796), (564, 3805), (570, 3811), (621, 3901), (626, 3913), (637, 3946), (653, 4090),

Gene: DanSyl44_10 Start: 3935, Stop: 5521, Start Num: 30

Candidate Starts for DanSyl44_10:

(Start: 29 @3920 has 30 MA's), (Start: 30 @3935 has 28 MA's), (Start: 39 @3959 has 1 MA's), (Start: 81 @4025 has 1 MA's), (105, 4070), (Start: 129 @4142 has 2 MA's), (150, 4199), (153, 4208), (154, 4211), (165, 4241), (185, 4310), (189, 4331), (197, 4367), (199, 4373), (208, 4397), (231, 4433), (238, 4448), (260, 4487), (333, 4622), (337, 4631), (345, 4649), (351, 4676), (352, 4679), (362, 4712), (373, 4745), (375, 4766), (382, 4787), (423, 4850), (431, 4874), (436, 4898), (445, 4946), (449, 4958), (453, 4970), (455, 4976), (472, 5015), (499, 5129), (501, 5135), (533, 5306), (541, 5333), (543, 5342), (567, 5405), (576, 5417),

Gene: Danforth_9 Start: 7437, Stop: 8867, Start Num: 59

Candidate Starts for Danforth_9:

(Start: 59 @7437 has 322 MA's), (135, 7587), (186, 7734), (224, 7869), (299, 7980), (349, 8043), (362, 8088), (377, 8154), (385, 8181), (443, 8346), (476, 8448), (496, 8526), (497, 8532), (516, 8583), (544, 8700), (551, 8730), (581, 8784),

Gene: Danzina_8 Start: 4255, Stop: 5691, Start Num: 83

Candidate Starts for Danzina_8:

(Start: 72 @4249 has 15 MA's), (Start: 83 @4255 has 105 MA's), (96, 4279), (106, 4303), (Start: 129 @4372 has 2 MA's), (148, 4420), (165, 4471), (200, 4624), (225, 4654), (269, 4738), (298, 4780), (337, 4846), (366, 4936), (370, 4948), (392, 5041), (426, 5119), (436, 5164), (448, 5221), (456, 5245), (513, 5434), (520, 5458), (611, 5677),

Gene: Darrell_15 Start: 10119, Stop: 11597, Start Num: 59

Candidate Starts for Darrell_15:

(Start: 59 @10119 has 322 MA's), (Start: 66 @10131 has 4 MA's), (101, 10179), (136, 10284), (193, 10464), (200, 10494), (224, 10566), (349, 10743), (359, 10779), (362, 10788), (373, 10827), (377, 10854), (379, 10860), (385, 10881), (400, 10932), (417, 10956), (427, 10971), (496, 11226), (501, 11244), (510, 11274), (512, 11277), (516, 11283), (535, 11370), (542, 11394), (544, 11400), (551, 11430), (573, 11475), (580, 11484),

Gene: DartGoblin_9 Start: 2978, Stop: 4525, Start Num: 32

Candidate Starts for DartGoblin_9:

(22, 2876), (Start: 29 @2963 has 30 MA's), (Start: 32 @2978 has 139 MA's), (96, 3074), (99, 3083), (105, 3092), (125, 3155), (Start: 129 @3164 has 2 MA's), (136, 3188), (150, 3221), (165, 3263), (185, 3332), (189, 3353), (197, 3389), (231, 3458), (236, 3470), (278, 3548), (289, 3569), (305, 3599), (321, 3623), (362, 3743), (373, 3776), (375, 3797), (382, 3818), (388, 3848), (423, 3881), (429, 3899), (445, 3977), (449, 3989), (450, 3992), (454, 4004), (455, 4007), (474, 4043), (484, 4091), (496, 4142), (501, 4160), (526, 4256), (533, 4277), (541, 4304), (543, 4313), (586, 4403),

Gene: DarthP_8 Start: 2823, Stop: 4376, Start Num: 32

Candidate Starts for DarthP_8:

(22, 2718), (Start: 29 @2808 has 30 MA's), (Start: 32 @2823 has 139 MA's), (96, 2922), (99, 2931), (104, 2937), (Start: 129 @3012 has 2 MA's), (136, 3036), (150, 3069), (170, 3129), (185, 3180), (189, 3201), (192, 3216), (231, 3306), (238, 3321), (278, 3396), (289, 3417), (301, 3441), (337, 3510), (352, 3558), (362, 3591), (365, 3597), (373, 3624), (375, 3645), (382, 3666), (423, 3729), (429, 3747), (445, 3825), (449, 3837), (450, 3840), (455, 3855), (464, 3882), (484, 3939), (495, 3987), (496, 3990), (501, 4008), (506, 4029), (518, 4050), (523, 4089), (526, 4104), (540, 4149), (541, 4152), (543, 4161), (553, 4197), (557, 4212),

Gene: DARTHPhader_14 Start: 10104, Stop: 11573, Start Num: 59

Candidate Starts for DARTHPhader_14:

(Start: 59 @10104 has 322 MA's), (101, 10164), (131, 10251), (136, 10269), (179, 10383), (200, 10479), (219, 10533), (224, 10551), (247, 10584), (348, 10725), (373, 10812), (377, 10839), (379, 10845), (385, 10866), (400, 10917), (496, 11211), (501, 11229), (505, 11247), (510, 11259), (516, 11268), (526, 11328), (544, 11385), (551, 11415), (555, 11424), (560, 11445), (580, 11469),

Gene: Dartin_9 Start: 3102, Stop: 4652, Start Num: 32

Candidate Starts for Dartin_9:

(22, 2997), (Start: 29 @3087 has 30 MA's), (Start: 32 @3102 has 139 MA's), (99, 3204), (Start: 129 @3285 has 2 MA's), (136, 3309), (153, 3351), (185, 3453), (189, 3474), (192, 3489), (231, 3579), (238, 3594), (278, 3669), (301, 3714), (321, 3744), (330, 3759), (331, 3765), (337, 3783), (349, 3819), (352, 3831), (362, 3864), (373, 3897), (375, 3918), (380, 3933), (382, 3939), (388, 3969), (423, 4002), (429, 4020), (445, 4098), (449, 4110), (450, 4113), (454, 4125), (455, 4128), (474, 4164), (495, 4260), (496, 4263), (501, 4281), (518, 4323), (525, 4374), (533, 4398), (540, 4422), (541, 4425), (543, 4434), (564, 4494), (591, 4530), (607, 4557),

Gene: DarwinJr_6 Start: 3410, Stop: 4744, Start Num: 88

Candidate Starts for DarwinJr_6:

(Start: 80 @3398 has 4 MA's), (Start: 88 @3410 has 31 MA's), (101, 3437), (130, 3518), (132, 3530), (141, 3554), (216, 3788), (224, 3812), (271, 3893), (345, 3980), (349, 3995), (355, 4016), (375, 4097), (379, 4109), (380, 4112), (386, 4136), (399, 4178), (446, 4304), (457, 4334), (468, 4367), (486, 4430), (512, 4523), (519, 4538), (526, 4589), (551, 4670), (552, 4673), (556, 4679), (585, 4730),

Gene: Dattran_8 Start: 4056, Stop: 5492, Start Num: 83

Candidate Starts for Dattran_8:

(Start: 72 @4050 has 15 MA's), (Start: 83 @4056 has 105 MA's), (96, 4080), (106, 4104), (Start: 129 @4173 has 2 MA's), (148, 4221), (165, 4272), (225, 4455), (269, 4539), (298, 4581), (366, 4737), (370, 4749), (392, 4842), (426, 4920), (436, 4965), (448, 5022), (513, 5235), (520, 5259), (611, 5478),

Gene: Datway_12 Start: 8587, Stop: 10044, Start Num: 58

Candidate Starts for Datway_12:

(Start: 58 @8587 has 296 MA's), (132, 8737), (136, 8749), (186, 8896), (190, 8917), (197, 8947), (209, 8986), (215, 9004), (247, 9064), (344, 9193), (349, 9211), (352, 9223), (359, 9247), (377, 9322), (379, 9328), (385, 9349), (386, 9355), (435, 9484), (443, 9529), (483, 9655), (484, 9658), (496, 9709), (502, 9730), (510, 9757), (532, 9847), (544, 9883), (546, 9895), (551, 9913), (562, 9943),

Gene: Daudau_7 Start: 3834, Stop: 5315, Start Num: 83

Candidate Starts for Daudau_7:

(Start: 83 @3834 has 105 MA's), (Start: 129 @3951 has 2 MA's), (148, 3999), (165, 4050), (181, 4122), (185, 4143), (298, 4356), (337, 4422), (366, 4512), (370, 4524), (379, 4566), (387, 4599), (389, 4608), (392, 4617), (399, 4635), (424, 4734), (436, 4782), (448, 4839), (520, 5076), (543, 5175), (551, 5208), (611, 5301),

Gene: Deano_12 Start: 8584, Stop: 10035, Start Num: 58

Candidate Starts for Deano_12:

(Start: 58 @8584 has 296 MA's), (132, 8731), (136, 8743), (190, 8911), (197, 8941), (209, 8980), (215, 8998), (247, 9058), (344, 9187), (349, 9205), (352, 9217), (377, 9316), (379, 9322), (385, 9343), (386, 9349), (411, 9418), (435, 9478), (443, 9523), (483, 9649), (484, 9652), (496, 9703), (502, 9724), (510, 9754), (532, 9844), (544, 9880), (551, 9910), (562, 9940),

Gene: Deby_9 Start: 3008, Stop: 4561, Start Num: 32

Candidate Starts for Deby_9:

(11, 2597), (17, 2765), (20, 2879), (22, 2906), (Start: 29 @2993 has 30 MA's), (Start: 32 @3008 has 139 MA's), (96, 3110), (99, 3119), (105, 3128), (Start: 129 @3200 has 2 MA's), (150, 3257), (153, 3266), (165, 3299), (166, 3302), (170, 3317), (185, 3368), (189, 3389), (238, 3509), (278, 3584), (289, 3605), (305, 3635), (352, 3746), (362, 3779), (373, 3812), (375, 3833), (382, 3854), (388, 3884), (423, 3917), (429, 3935), (445, 4013), (449, 4025), (450, 4028), (454, 4040), (455, 4043), (474, 4079), (484, 4127), (496, 4178), (501, 4196), (526, 4292), (533, 4313), (541, 4340), (543, 4349), (553, 4385), (586, 4439),

Gene: DeerParkTS_14 Start: 9269, Stop: 10729, Start Num: 59

Candidate Starts for DeerParkTS_14:

(Start: 59 @9269 has 322 MA's), (Start: 66 @9281 has 4 MA's), (101, 9329), (136, 9434), (197, 9632), (224, 9716), (247, 9749), (327, 9860), (349, 9893), (373, 9977), (377, 10004), (379, 10010), (385, 10031), (386, 10037), (400, 10082), (496, 10376), (501, 10394), (502, 10397), (510, 10424), (516, 10433), (544, 10550), (551, 10580), (560, 10610), (580, 10634),

Gene: DekHockey33_15 Start: 8502, Stop: 9962, Start Num: 59

Candidate Starts for DekHockey33_15:

(Start: 59 @8502 has 322 MA's), (101, 8562), (136, 8667), (163, 8733), (213, 8916), (224, 8949), (247, 8982), (373, 9213), (377, 9240), (379, 9246), (385, 9267), (389, 9288), (400, 9318), (417, 9342), (443, 9432), (453, 9462), (483, 9558), (491, 9585), (496, 9612), (501, 9630), (502, 9633), (510, 9666), (516, 9675), (544, 9792), (551, 9822), (580, 9876),

Gene: Deloris_14 Start: 9652, Stop: 11112, Start Num: 59

Candidate Starts for Deloris_14:

(Start: 59 @9652 has 322 MA's), (101, 9712), (136, 9817), (219, 10081), (224, 10099), (247, 10132), (327, 10243), (377, 10387), (379, 10393), (385, 10414), (386, 10420), (400, 10465), (453, 10609), (482, 10702), (490, 10729), (496, 10759), (501, 10777), (502, 10780), (510, 10807), (516, 10816), (544, 10933), (547, 10948), (551, 10963), (560, 10993), (580, 11017),

Gene: DelvinSonDorr_15 Start: 9296, Stop: 10738, Start Num: 72

Candidate Starts for DelvinSonDorr_15:

(Start: 59 @9275 has 322 MA's), (Start: 72 @9296 has 15 MA's), (101, 9335), (131, 9422), (133, 9434), (136, 9440), (224, 9722), (358, 9935), (373, 9986), (377, 10013), (379, 10019), (385, 10040), (502, 10406), (510, 10433), (516, 10442), (526, 10502), (544, 10559), (551, 10589), (560, 10619), (582, 10646),

Gene: Devera_9 Start: 3022, Stop: 4590, Start Num: 29

Candidate Starts for Devera_9:

(17, 2794), (20, 2908), (22, 2935), (Start: 29 @3022 has 30 MA's), (Start: 32 @3037 has 139 MA's), (96, 3139), (99, 3148), (Start: 129 @3229 has 2 MA's), (136, 3253), (153, 3295), (165, 3328), (185, 3397), (189, 3418), (199, 3460), (231, 3523), (238, 3538), (278, 3613), (289, 3634), (305, 3664), (352, 3775), (362, 3808), (373, 3841), (382, 3883), (388, 3913), (423, 3946), (429, 3964), (445, 4042), (449, 4054), (450, 4057), (454, 4069), (455, 4072), (474, 4108), (484, 4156), (501, 4225), (511, 4255), (526, 4321), (533, 4342), (541, 4369), (543, 4378), (553, 4414), (586, 4468),

Gene: Dexers_6 Start: 3895, Stop: 5328, Start Num: 83

Candidate Starts for Dexers_6:

(Start: 83 @3895 has 105 MA's), (Start: 129 @4012 has 2 MA's), (148, 4060), (151, 4072), (237, 4315), (288, 4402), (323, 4462), (334, 4480), (337, 4486), (370, 4585), (381, 4633), (387, 4660), (392, 4678), (409, 4717), (426, 4753), (448, 4855), (495, 5014), (496, 5017), (501, 5035), (520, 5092), (531, 5149), (541, 5182), (551, 5224), (590, 5290), (611, 5314),

Gene: Dexes_13 Start: 9294, Stop: 10736, Start Num: 89

Candidate Starts for Dexes_13:

(Start: 50 @9228 has 1 MA's), (Start: 89 @9294 has 214 MA's), (224, 9705), (349, 9900), (352, 9912), (377, 10011), (398, 10083), (446, 10206), (460, 10245), (483, 10323), (485, 10329), (496, 10377), (499, 10389), (502, 10398), (525, 10488), (551, 10578), (562, 10611), (573, 10623),

Gene: Dhanush_12 Start: 8581, Stop: 10032, Start Num: 58

Candidate Starts for Dhanush_12:

(Start: 58 @8581 has 296 MA's), (132, 8728), (136, 8740), (190, 8908), (197, 8938), (209, 8977), (215, 8995), (247, 9055), (344, 9184), (349, 9202), (377, 9313), (379, 9319), (385, 9340), (386, 9346), (411, 9415), (435, 9475), (443, 9520), (483, 9646), (484, 9649), (496, 9700), (497, 9706), (502, 9721), (510, 9751), (532, 9841), (544, 9877), (546, 9889), (551, 9907), (562, 9937),

Gene: Diane_7 Start: 3828, Stop: 5303, Start Num: 83

Candidate Starts for Diane_7:

(Start: 83 @3828 has 105 MA's), (Start: 129 @3945 has 2 MA's), (154, 4014), (165, 4044), (185, 4137), (334, 4410), (370, 4515), (387, 4590), (392, 4608), (397, 4620), (399, 4626), (436, 4773), (446, 4824), (448, 4830), (464, 4878), (501, 5010), (520, 5067), (541, 5157), (611, 5289),

Gene: Dieselweasel_14 Start: 8655, Stop: 10109, Start Num: 58

Candidate Starts for Dieselweasel_14:

(Start: 58 @8655 has 296 MA's), (Start: 90 @8685 has 2 MA's), (101, 8712), (136, 8817), (179, 8931), (193, 8997), (209, 9054), (247, 9132), (248, 9135), (349, 9276), (377, 9387), (379, 9393), (385, 9414), (443, 9579), (483, 9705), (496, 9759), (497, 9765), (502, 9780), (516, 9816), (535, 9903), (544, 9933), (551, 9963), (573, 10008), (581, 10017),

Gene: Dignity_15 Start: 9619, Stop: 11079, Start Num: 59

Candidate Starts for Dignity_15:

(Start: 59 @9619 has 322 MA's), (101, 9679), (136, 9784), (197, 9982), (224, 10066), (247, 10099), (349, 10243), (373, 10327), (377, 10354), (379, 10360), (385, 10381), (386, 10387), (400, 10432), (496, 10726), (501, 10744), (502, 10747), (510, 10774), (516, 10783), (544, 10900), (551, 10930), (560, 10960), (580, 10984),

Gene: Diminimus_16 Start: 6259, Stop: 7881, Start Num: 35

Candidate Starts for Diminimus_16:

(Start: 35 @6259 has 23 MA's), (43, 6274), (105, 6382), (110, 6400), (125, 6448), (138, 6481), (145, 6493), (153, 6517), (162, 6544), (165, 6550), (185, 6622), (186, 6628), (192, 6658), (222, 6739), (225, 6745), (228, 6748), (237, 6766), (340, 6922), (349, 6940), (352, 6952), (367, 7000), (381, 7057), (382, 7060), (405, 7129), (434, 7183), (440, 7219), (456, 7270), (458, 7273), (472, 7303), (475, 7312), (491, 7378), (492, 7381), (495, 7402), (496, 7405), (513, 7456), (533, 7543), (574, 7654), (593, 7684), (611, 7720), (614, 7726), (621, 7741), (626, 7753), (647, 7837),

Gene: Ding_4 Start: 2271, Stop: 3602, Start Num: 88

Candidate Starts for Ding_4:

(Start: 80 @2259 has 4 MA's), (Start: 88 @2271 has 31 MA's), (101, 2301), (130, 2382), (132, 2394), (182, 2535), (199, 2616), (216, 2646), (219, 2652), (224, 2670), (300, 2796), (349, 2853), (350, 2856), (355, 2874), (374, 2946), (375, 2955), (379, 2967), (380, 2970), (386, 2994), (441, 3147), (446, 3162), (449, 3171), (483, 3279), (486, 3288), (495, 3330), (498, 3342), (499, 3345), (535, 3468), (544, 3498), (551, 3528), (556, 3537), (585, 3588),

Gene: Dinger_9 Start: 4831, Stop: 6261, Start Num: 58

Candidate Starts for Dinger_9:

(Start: 58 @4831 has 296 MA's), (149, 5008), (155, 5029), (165, 5056), (169, 5071), (186, 5134), (213, 5233), (219, 5248), (299, 5377), (351, 5449), (374, 5536), (375, 5545), (377, 5551), (389, 5599), (427,

5668), (431, 5677), (443, 5743), (446, 5752), (491, 5896), (501, 5941), (502, 5944), (526, 6037), (544, 6094), (551, 6124), (560, 6151), (573, 6163), (577, 6169),

Gene: DirkDirk_5 Start: 2626, Stop: 4299, Start Num: 61

Candidate Starts for DirkDirk_5:

(Start: 61 @2626 has 69 MA's), (101, 2689), (116, 2743), (127, 2767), (154, 2836), (162, 2860), (185, 2938), (192, 2974), (241, 3067), (244, 3070), (291, 3145), (322, 3184), (349, 3247), (356, 3274), (357, 3277), (365, 3298), (371, 3319), (380, 3361), (381, 3364), (424, 3466), (428, 3481), (430, 3487), (450, 3568), (460, 3595), (461, 3601), (490, 3694), (495, 3721), (497, 3730), (518, 3784), (521, 3805), (524, 3826), (530, 3853), (533, 3862), (549, 3922), (557, 3952), (564, 3961), (626, 4069), (653, 4264),

Gene: DirtDevil_13 Start: 9244, Stop: 10686, Start Num: 89

Candidate Starts for DirtDevil_13:

(Start: 50 @9178 has 1 MA's), (Start: 89 @9244 has 214 MA's), (162, 9442), (224, 9655), (349, 9850), (352, 9862), (377, 9961), (446, 10156), (460, 10195), (483, 10273), (485, 10279), (496, 10327), (499, 10339), (502, 10348), (525, 10438), (551, 10528), (562, 10561), (573, 10573),

Gene: DirtMcgirt_4 Start: 2200, Stop: 3621, Start Num: 78

Candidate Starts for DirtMcgirt_4:

(Start: 78 @2200 has 61 MA's), (Start: 95 @2227 has 1 MA's), (99, 2239), (148, 2368), (153, 2386), (165, 2419), (185, 2488), (192, 2524), (197, 2545), (199, 2551), (208, 2575), (211, 2578), (253, 2653), (257, 2659), (268, 2686), (301, 2746), (349, 2848), (352, 2860), (355, 2869), (365, 2899), (367, 2908), (375, 2947), (381, 2965), (382, 2968), (388, 2998), (431, 3055), (439, 3094), (449, 3139), (455, 3157), (464, 3184), (472, 3196), (474, 3199), (475, 3205), (476, 3220), (486, 3253), (518, 3358), (533, 3433), (534, 3439), (537, 3448), (540, 3457), (543, 3469), (572, 3532), (600, 3580),

Gene: DirtyDunning_12 Start: 8574, Stop: 10025, Start Num: 58

Candidate Starts for DirtyDunning_12:

(Start: 58 @8574 has 296 MA's), (136, 8733), (190, 8901), (197, 8931), (209, 8970), (215, 8988), (247, 9048), (344, 9177), (349, 9195), (377, 9306), (379, 9312), (385, 9333), (386, 9339), (411, 9408), (435, 9468), (443, 9513), (483, 9639), (484, 9642), (496, 9693), (497, 9699), (502, 9714), (510, 9744), (532, 9834), (544, 9870), (551, 9900), (562, 9930),

Gene: Discoknowium_10 Start: 8047, Stop: 9480, Start Num: 59

Candidate Starts for Discoknowium_10:

(Start: 59 @8047 has 322 MA's), (131, 8176), (132, 8182), (165, 8263), (200, 8404), (209, 8431), (247, 8509), (299, 8590), (349, 8653), (350, 8656), (351, 8662), (352, 8665), (373, 8737), (379, 8770), (385, 8791), (392, 8821), (483, 9082), (496, 9136), (501, 9154), (516, 9193), (544, 9310), (551, 9340), (573, 9385), (581, 9394),

Gene: DismalFunk_5 Start: 2088, Stop: 3593, Start Num: 30

Candidate Starts for DismalFunk_5:

(Start: 30 @2088 has 28 MA's), (Start: 59 @2133 has 322 MA's), (Start: 81 @2154 has 1 MA's), (99, 2190), (Start: 129 @2271 has 2 MA's), (150, 2328), (154, 2340), (162, 2364), (165, 2370), (182, 2421), (185, 2439), (189, 2460), (197, 2496), (199, 2502), (231, 2562), (278, 2652), (289, 2673), (303, 2700), (330, 2742), (331, 2748), (337, 2766), (352, 2814), (362, 2847), (365, 2853), (375, 2901), (382, 2922), (388, 2952), (423, 2985), (429, 3003), (431, 3009), (436, 3033), (449, 3093), (453, 3105), (455, 3111), (472, 3150), (501, 3270), (518, 3312), (540, 3411), (541, 3414), (543, 3423), (557, 3474), (594, 3519), (629, 3570),

Gene: DismalStressor_5 Start: 2088, Stop: 3593, Start Num: 30

Candidate Starts for DismalStressor_5:

(Start: 30 @2088 has 28 MA's), (Start: 59 @2133 has 322 MA's), (Start: 81 @2154 has 1 MA's), (99, 2190), (Start: 129 @2271 has 2 MA's), (150, 2328), (154, 2340), (162, 2364), (165, 2370), (182, 2421), (185, 2439), (189, 2460), (197, 2496), (199, 2502), (231, 2562), (278, 2652), (289, 2673), (303, 2700), (330, 2742), (331, 2748), (337, 2766), (352, 2814), (362, 2847), (365, 2853), (375, 2901), (382, 2922), (388, 2952), (423, 2985), (429, 3003), (431, 3009), (436, 3033), (449, 3093), (453, 3105), (455, 3111), (472, 3150), (501, 3270), (518, 3312), (540, 3411), (541, 3414), (543, 3423), (557, 3474), (594, 3519), (629, 3570),

Gene: Dixon_10 Start: 7456, Stop: 8886, Start Num: 59

Candidate Starts for Dixon_10:

(Start: 59 @7456 has 322 MA's), (135, 7606), (224, 7888), (299, 7999), (349, 8062), (362, 8107), (377, 8173), (385, 8200), (443, 8365), (476, 8467), (496, 8545), (497, 8551), (516, 8602), (544, 8719), (551, 8749), (581, 8803),

Gene: DocMcStuffins_4 Start: 2202, Stop: 3623, Start Num: 78

Candidate Starts for DocMcStuffins_4:

(Start: 78 @2202 has 61 MA's), (Start: 95 @2229 has 1 MA's), (99, 2241), (148, 2370), (153, 2388), (155, 2394), (165, 2421), (185, 2490), (192, 2526), (197, 2547), (199, 2553), (208, 2577), (211, 2580), (227, 2607), (253, 2655), (257, 2661), (268, 2688), (280, 2706), (332, 2799), (338, 2817), (349, 2850), (351, 2859), (352, 2862), (367, 2910), (370, 2919), (375, 2949), (381, 2967), (388, 3000), (431, 3057), (449, 3141), (455, 3159), (464, 3186), (472, 3198), (474, 3201), (475, 3207), (476, 3222), (486, 3255), (518, 3360), (533, 3435), (534, 3441), (537, 3450), (540, 3459), (543, 3471), (572, 3534), (600, 3582),

Gene: Dogfish_5 Start: 2670, Stop: 4142, Start Num: 85

Candidate Starts for Dogfish_5:

(Start: 85 @2670 has 6 MA's), (97, 2694), (102, 2703), (132, 2793), (156, 2853), (160, 2865), (164, 2874), (183, 2937), (191, 2982), (192, 2985), (193, 2988), (196, 3003), (197, 3006), (199, 3012), (212, 3045), (254, 3117), (277, 3162), (298, 3201), (300, 3207), (314, 3231), (340, 3279), (362, 3351), (373, 3384), (380, 3420), (383, 3429), (396, 3477), (428, 3591), (433, 3606), (437, 3630), (445, 3672), (460, 3714), (472, 3741), (476, 3765), (493, 3831), (495, 3840), (515, 3891), (525, 3942), (540, 3990), (546, 4017), (550, 4029), (558, 4062), (568, 4074),

Gene: Dole_9 Start: 3037, Stop: 4590, Start Num: 32

Candidate Starts for Dole_9:

(17, 2794), (20, 2908), (22, 2935), (Start: 29 @3022 has 30 MA's), (Start: 32 @3037 has 139 MA's), (96, 3139), (99, 3148), (Start: 129 @3229 has 2 MA's), (136, 3253), (153, 3295), (165, 3328), (185, 3397), (189, 3418), (199, 3460), (231, 3523), (238, 3538), (278, 3613), (289, 3634), (305, 3664), (352, 3775), (362, 3808), (373, 3841), (382, 3883), (388, 3913), (423, 3946), (429, 3964), (445, 4042), (449, 4054), (450, 4057), (454, 4069), (455, 4072), (474, 4108), (484, 4156), (501, 4225), (511, 4255), (526, 4321), (533, 4342), (541, 4369), (543, 4378), (553, 4414), (586, 4468),

Gene: Donkey_3 Start: 2306, Stop: 3871, Start Num: 72

Candidate Starts for Donkey_3:

(Start: 72 @2306 has 15 MA's), (Start: 129 @2432 has 2 MA's), (197, 2657), (208, 2693), (228, 2702), (279, 2795), (300, 2819), (349, 2924), (460, 3257), (464, 3272), (465, 3275), (530, 3515), (608, 3689), (645, 3803), (649, 3836),

Gene: DontArgue_11 Start: 6632, Stop: 8071, Start Num: 58

Candidate Starts for DontArgue_11:

(Start: 58 @6632 has 296 MA's), (118, 6749), (136, 6791), (165, 6860), (193, 6971), (197, 6989), (208, 7028), (247, 7109), (299, 7190), (317, 7205), (347, 7247), (352, 7265), (373, 7337), (377, 7364), (379, 7370), (385, 7391), (411, 7463), (443, 7568), (483, 7694), (484, 7697), (496, 7748), (497, 7754), (502, 7769), (510, 7799), (516, 7808), (544, 7925), (551, 7955), (577, 8006),

Gene: Doom_12 Start: 8932, Stop: 10374, Start Num: 89

Candidate Starts for Doom_12:

(Start: 50 @8866 has 1 MA's), (Start: 89 @8932 has 214 MA's), (162, 9130), (224, 9343), (349, 9538), (352, 9550), (377, 9649), (446, 9844), (460, 9883), (483, 9961), (485, 9967), (496, 10015), (499, 10027), (502, 10036), (525, 10126), (551, 10216), (562, 10249), (573, 10261),

Gene: Doomslug_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Doomslug_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (301, 2745), (349, 2847), (352, 2859), (355, 2868), (365, 2898), (367, 2907), (375, 2946), (381, 2964), (382, 2967), (388, 2997), (431, 3054), (439, 3093), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Dorothea_16 Start: 9284, Stop: 10747, Start Num: 59

Candidate Starts for Dorothea_16:

(Start: 59 @9284 has 322 MA's), (Start: 72 @9305 has 15 MA's), (101, 9344), (131, 9431), (133, 9443), (136, 9449), (224, 9731), (358, 9944), (373, 9995), (377, 10022), (379, 10028), (385, 10049), (502, 10415), (510, 10442), (516, 10451), (526, 10511), (544, 10568), (551, 10598), (560, 10628), (582, 10655),

Gene: DosHalletts_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for DosHalletts_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (301, 2745), (349, 2847), (352, 2859), (355, 2868), (365, 2898), (367, 2907), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: DoubleChamp_7 Start: 2765, Stop: 4300, Start Num: 32

Candidate Starts for DoubleChamp_7:

(Start: 32 @2765 has 139 MA's), (Start: 81 @2837 has 1 MA's), (99, 2873), (105, 2882), (116, 2927), (150, 3011), (154, 3023), (165, 3053), (170, 3071), (185, 3122), (192, 3158), (199, 3185), (224, 3236), (227, 3239), (231, 3245), (238, 3260), (240, 3263), (278, 3335), (289, 3356), (305, 3386), (331, 3431), (349, 3485), (362, 3530), (373, 3563), (380, 3599), (381, 3602), (382, 3605), (423, 3668), (429, 3686), (431, 3692), (445, 3764), (449, 3776), (450, 3779), (455, 3794), (475, 3839), (476, 3854), (482, 3875), (495, 3929), (496, 3932), (501, 3950), (505, 3965), (523, 4031), (526, 4046), (533, 4067), (538, 4085), (543, 4103), (553, 4139), (607, 4226),

Gene: Douge_5 Start: 2334, Stop: 3971, Start Num: 62

Candidate Starts for Douge_5:

(Start: 62 @2334 has 9 MA's), (107, 2409), (153, 2538), (154, 2541), (165, 2571), (185, 2643), (192, 2679), (200, 2709), (202, 2718), (234, 2757), (291, 2850), (322, 2889), (339, 2922), (347, 2946), (349, 2952), (355, 2973), (356, 2979), (357, 2982), (365, 3003), (380, 3066), (381, 3069), (424, 3171), (430, 3192), (461, 3306), (490, 3399), (495, 3426), (518, 3489), (524, 3531), (530, 3558), (533, 3567), (549, 3627), (557, 3657), (564, 3666), (570, 3672), (621, 3762), (626, 3774), (648, 3852),

Gene: Doughnut_5 Start: 2085, Stop: 3590, Start Num: 30

Candidate Starts for Doughnut_5:

(20, 1944), (Start: 30 @2085 has 28 MA's), (36, 2103), (Start: 59 @2130 has 322 MA's), (Start: 81 @2151 has 1 MA's), (99, 2187), (Start: 129 @2268 has 2 MA's), (150, 2325), (154, 2337), (162, 2361), (165, 2367), (182, 2418), (185, 2436), (189, 2457), (199, 2499), (208, 2523), (231, 2559), (278, 2649), (289, 2670), (303, 2697), (330, 2739), (331, 2745), (337, 2763), (352, 2811), (362, 2844), (375, 2898), (382, 2919), (388, 2949), (423, 2982), (429, 3000), (431, 3006), (436, 3030), (449, 3090), (453, 3102), (455, 3108), (472, 3147), (501, 3267), (518, 3309), (540, 3408), (541, 3411), (543, 3420), (557, 3471), (594, 3516), (629, 3567),

Gene: Douzhi_5 Start: 2334, Stop: 3971, Start Num: 62

Candidate Starts for Douzhi_5:

(Start: 62 @2334 has 9 MA's), (107, 2409), (153, 2538), (154, 2541), (165, 2571), (185, 2643), (192, 2679), (202, 2718), (291, 2850), (322, 2889), (339, 2922), (347, 2946), (349, 2952), (355, 2973), (356, 2979), (357, 2982), (365, 3003), (380, 3066), (381, 3069), (424, 3171), (430, 3192), (460, 3300), (461, 3306), (490, 3399), (495, 3426), (518, 3489), (524, 3531), (530, 3558), (533, 3567), (549, 3627), (557, 3657), (564, 3666), (570, 3672), (621, 3762), (626, 3774), (648, 3852),

Gene: DrFeelGood_11 Start: 8456, Stop: 9898, Start Num: 89

Candidate Starts for DrFeelGood_11:

(Start: 50 @8390 has 1 MA's), (Start: 89 @8456 has 214 MA's), (162, 8654), (224, 8867), (349, 9062), (377, 9173), (398, 9245), (446, 9368), (460, 9407), (483, 9485), (485, 9491), (496, 9539), (499, 9551), (502, 9560), (525, 9650), (551, 9740), (562, 9773), (573, 9785),

Gene: DrHayes_9 Start: 2999, Stop: 4546, Start Num: 32

Candidate Starts for DrHayes_9:

(22, 2897), (Start: 29 @2984 has 30 MA's), (Start: 32 @2999 has 139 MA's), (48, 3026), (96, 3095), (99, 3104), (105, 3113), (125, 3176), (Start: 129 @3185 has 2 MA's), (136, 3209), (150, 3242), (165, 3284), (185, 3353), (189, 3374), (197, 3410), (231, 3479), (236, 3491), (278, 3569), (289, 3590), (305, 3620), (321, 3644), (362, 3764), (373, 3797), (375, 3818), (382, 3839), (388, 3869), (423, 3902), (429, 3920), (445, 3998), (449, 4010), (450, 4013), (454, 4025), (455, 4028), (474, 4064), (484, 4112), (496, 4163), (501, 4181), (526, 4277), (533, 4298), (541, 4325), (543, 4334), (586, 4424),

Gene: DrManhattan_3 Start: 2280, Stop: 3656, Start Num: 76

Candidate Starts for DrManhattan_3:

(Start: 76 @2280 has 57 MA's), (125, 2391), (Start: 129 @2400 has 2 MA's), (165, 2499), (279, 2763), (370, 2940), (393, 3036), (453, 3195), (474, 3243), (478, 3273), (486, 3297), (522, 3432), (530, 3471), (533, 3480),

Gene: DrSeegs_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for DrSeegs_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: DrSierra_3 Start: 2283, Stop: 3656, Start Num: 76

Candidate Starts for DrSierra_3:

(Start: 76 @2283 has 57 MA's), (125, 2394), (Start: 129 @2403 has 2 MA's), (175, 2541), (228, 2673), (296, 2781), (393, 3039), (443, 3165), (456, 3204), (478, 3273), (486, 3297), (530, 3471), (533, 3480), (575, 3591),

Gene: Drago_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Drago_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Drake55_15 Start: 9724, Stop: 11184, Start Num: 59

Candidate Starts for Drake55_15:

(Start: 59 @9724 has 322 MA's), (101, 9784), (132, 9877), (136, 9889), (224, 10171), (247, 10204), (350, 10351), (352, 10360), (373, 10432), (377, 10459), (379, 10465), (385, 10486), (464, 10714), (496, 10831), (502, 10852), (510, 10879), (516, 10888), (544, 11005), (551, 11035), (560, 11065), (580, 11089),

Gene: Drake94_11 Start: 6462, Stop: 7922, Start Num: 58

Candidate Starts for Drake94_11:

(Start: 58 @6462 has 296 MA's), (Start: 90 @6489 has 2 MA's), (114, 6555), (132, 6609), (136, 6621), (165, 6690), (186, 6768), (193, 6801), (197, 6819), (208, 6858), (210, 6861), (247, 6939), (347, 7077), (377, 7194), (379, 7200), (385, 7221), (386, 7227), (392, 7251), (411, 7302), (443, 7407), (483, 7533), (484, 7536), (496, 7587), (497, 7593), (502, 7608), (510, 7638), (516, 7647), (532, 7728), (544, 7764), (551, 7794), (577, 7845), (580, 7848),

Gene: DreamCatcher_15 Start: 9886, Stop: 11328, Start Num: 89

Candidate Starts for DreamCatcher_15:

(Start: 50 @9820 has 1 MA's), (Start: 89 @9886 has 214 MA's), (162, 10084), (224, 10297), (349, 10492), (350, 10495), (377, 10603), (398, 10675), (446, 10798), (460, 10837), (483, 10915), (485, 10921), (496, 10969), (499, 10981), (502, 10990), (525, 11080), (551, 11170), (562, 11203), (573, 11215),

Gene: DreamTeam1_13 Start: 8077, Stop: 9561, Start Num: 59

Candidate Starts for DreamTeam1_13:

(Start: 59 @8077 has 322 MA's), (101, 8137), (136, 8242), (176, 8350), (179, 8356), (200, 8452), (224, 8524), (247, 8557), (327, 8668), (349, 8701), (359, 8737), (362, 8746), (373, 8785), (376, 8809), (377, 8812), (379, 8818), (384, 8836), (385, 8839), (400, 8890), (496, 9184), (501, 9202), (510, 9232), (516, 9241), (535, 9328), (542, 9352), (544, 9358), (551, 9388), (573, 9433), (580, 9442),

Gene: Dreamboat_13 Start: 8584, Stop: 10026, Start Num: 89

Candidate Starts for Dreamboat_13:

(Start: 50 @8518 has 1 MA's), (Start: 89 @8584 has 214 MA's), (162, 8782), (224, 8995), (349, 9190), (352, 9202), (377, 9301), (398, 9373), (446, 9496), (460, 9535), (483, 9613), (485, 9619), (495, 9664), (496, 9667), (499, 9679), (502, 9688), (525, 9778), (551, 9868), (562, 9901), (573, 9913),

Gene: DroogsArmy_13 Start: 9760, Stop: 11217, Start Num: 58

Candidate Starts for DroogsArmy_13:

(Start: 58 @9760 has 296 MA's), (132, 9910), (136, 9922), (179, 10036), (197, 10120), (204, 10147), (285, 10312), (349, 10381), (352, 10393), (359, 10417), (373, 10465), (377, 10492), (379, 10498), (385, 10519), (386, 10525), (389, 10540), (392, 10549), (432, 10633), (464, 10759), (483, 10822), (484, 10825), (496, 10876), (497, 10882), (500, 10891), (501, 10894), (502, 10897), (516, 10933), (532, 11014), (544, 11050), (551, 11080),

Gene: DropBear_12 Start: 8253, Stop: 9719, Start Num: 59

Candidate Starts for DropBear_12:

(Start: 59 @8253 has 322 MA's), (136, 8424), (169, 8508), (186, 8571), (193, 8604), (197, 8622), (209, 8661), (219, 8688), (245, 8736), (347, 8877), (350, 8886), (373, 8967), (376, 8991), (377, 8994), (379, 9000), (385, 9021), (386, 9027), (443, 9198), (483, 9324), (484, 9327), (496, 9378), (497, 9384), (502, 9399), (510, 9429), (544, 9555), (551, 9585), (562, 9615),

Gene: Druantia_12 Start: 8579, Stop: 10030, Start Num: 58

Candidate Starts for Druantia_12:

(Start: 58 @8579 has 296 MA's), (136, 8738), (190, 8906), (197, 8936), (209, 8975), (215, 8993), (247, 9053), (344, 9182), (349, 9200), (377, 9311), (379, 9317), (385, 9338), (386, 9344), (411, 9413), (435, 9473), (443, 9518), (483, 9644), (484, 9647), (496, 9698), (497, 9704), (502, 9719), (510, 9749), (532, 9839), (544, 9875), (546, 9887), (551, 9905), (562, 9935),

Gene: Dublin_9 Start: 7906, Stop: 9339, Start Num: 59

Candidate Starts for Dublin_9:

(Start: 59 @7906 has 322 MA's), (132, 8041), (149, 8074), (153, 8089), (155, 8095), (200, 8263), (209, 8290), (247, 8368), (299, 8449), (351, 8521), (352, 8524), (373, 8596), (379, 8629), (385, 8650), (392, 8680), (417, 8725), (483, 8941), (496, 8995), (501, 9013), (516, 9052), (544, 9169), (551, 9199), (560, 9229), (581, 9253),

Gene: Dubu_3 Start: 2173, Stop: 3690, Start Num: 81

Candidate Starts for Dubu_3:

(Start: 81 @2173 has 1 MA's), (153, 2359), (154, 2362), (159, 2377), (165, 2392), (182, 2446), (184, 2455), (188, 2482), (192, 2500), (216, 2563), (235, 2602), (267, 2659), (319, 2752), (335, 2788), (347, 2821), (350, 2830), (351, 2836), (352, 2839), (354, 2845), (373, 2905), (374, 2917), (412, 3034), (419, 3049), (432, 3082), (437, 3109), (446, 3154), (448, 3160), (450, 3166), (471, 3220), (486, 3277), (495, 3319), (517, 3385), (527, 3445), (551, 3526), (560, 3556), (576, 3577),

Gene: DudeLittle_13 Start: 9322, Stop: 10785, Start Num: 59

Candidate Starts for DudeLittle_13:

(Start: 59 @9322 has 322 MA's), (101, 9382), (136, 9487), (197, 9685), (224, 9769), (247, 9802), (327, 9913), (350, 9949), (373, 10030), (377, 10057), (379, 10063), (385, 10084), (386, 10090), (400, 10135), (446, 10258), (496, 10429), (501, 10447), (502, 10450), (510, 10477), (516, 10486), (544, 10603), (551, 10633), (560, 10663), (580, 10687),

Gene: Dulcie_11 Start: 8331, Stop: 9773, Start Num: 89

Candidate Starts for Dulcie_11:

(Start: 50 @8265 has 1 MA's), (Start: 89 @8331 has 214 MA's), (162, 8529), (224, 8742), (349, 8937), (352, 8949), (377, 9048), (398, 9120), (446, 9243), (460, 9282), (483, 9360), (485, 9366), (496, 9414), (499, 9426), (502, 9435), (525, 9525), (551, 9615), (562, 9648), (573, 9660),

Gene: Dulcita_16 Start: 6259, Stop: 7881, Start Num: 35

Candidate Starts for Dulcita_16:

(Start: 35 @6259 has 23 MA's), (43, 6274), (105, 6382), (110, 6400), (125, 6448), (138, 6481), (145, 6493), (153, 6517), (162, 6544), (165, 6550), (185, 6622), (186, 6628), (192, 6658), (222, 6739), (225, 6745), (228, 6748), (237, 6766), (340, 6922), (349, 6940), (352, 6952), (367, 7000), (381, 7057), (382, 7060), (405, 7129), (434, 7183), (440, 7219), (456, 7270), (458, 7273), (472, 7303), (475, 7312), (491, 7378), (492, 7381), (495, 7402), (496, 7405), (513, 7456), (533, 7543), (574, 7654), (593, 7684), (611, 7720), (614, 7726), (621, 7741), (626, 7753), (647, 7837),

Gene: DuncansLeg_6 Start: 2759, Stop: 4402, Start Num: 61

Candidate Starts for DuncansLeg_6:

(Start: 61 @2759 has 69 MA's), (99, 2819), (151, 2960), (154, 2969), (185, 3071), (234, 3185), (291, 3278), (322, 3317), (356, 3407), (359, 3416), (365, 3431), (430, 3620), (447, 3692), (461, 3734), (518,

3917), (524, 3959), (530, 3986), (533, 3995), (549, 4055), (557, 4085), (564, 4094), (611, 4169), (626, 4202),

Gene: Duplo_16 Start: 9200, Stop: 10657, Start Num: 59

Candidate Starts for Duplo_16:

(Start: 59 @9200 has 322 MA's), (101, 9260), (132, 9353), (136, 9365), (224, 9647), (327, 9791), (351, 9833), (373, 9908), (377, 9935), (379, 9941), (385, 9962), (386, 9968), (496, 10307), (502, 10328), (510, 10355), (516, 10364), (535, 10451), (544, 10481), (551, 10511), (560, 10541), (580, 10565),

Gene: Durfee_9 Start: 3055, Stop: 4623, Start Num: 29

Candidate Starts for Durfee_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: Dussy_13 Start: 8692, Stop: 10134, Start Num: 89

Candidate Starts for Dussy_13:

(Start: 50 @8626 has 1 MA's), (Start: 89 @8692 has 214 MA's), (162, 8890), (208, 9064), (224, 9103), (349, 9298), (352, 9310), (377, 9409), (446, 9604), (483, 9721), (485, 9727), (496, 9775), (499, 9787), (502, 9796), (525, 9886), (551, 9976), (562, 10009), (573, 10021),

Gene: DustyMartin_15 Start: 8443, Stop: 9888, Start Num: 58

Candidate Starts for DustyMartin_15:

(Start: 58 @8443 has 296 MA's), (Start: 71 @8455 has 5 MA's), (136, 8602), (186, 8749), (193, 8782), (197, 8800), (199, 8806), (208, 8839), (247, 8920), (252, 8932), (347, 9058), (352, 9076), (373, 9148), (376, 9172), (377, 9175), (379, 9181), (385, 9202), (443, 9382), (483, 9508), (484, 9511), (496, 9562), (497, 9568), (502, 9583), (510, 9613), (516, 9622), (532, 9703), (544, 9739), (551, 9769), (577, 9820), (580, 9823),

Gene: Dwayne_7 Start: 4056, Stop: 5492, Start Num: 83

Candidate Starts for Dwayne_7:

(Start: 72 @4050 has 15 MA's), (Start: 83 @4056 has 105 MA's), (96, 4080), (106, 4104), (Start: 129 @4173 has 2 MA's), (148, 4221), (151, 4233), (165, 4272), (200, 4425), (269, 4539), (298, 4581), (312, 4608), (334, 4641), (337, 4647), (366, 4737), (370, 4749), (387, 4824), (392, 4842), (426, 4920), (436, 4965), (448, 5022), (513, 5235), (520, 5259), (551, 5391), (590, 5457), (611, 5478),

Gene: Dynamix_13 Start: 8741, Stop: 10183, Start Num: 89

Candidate Starts for Dynamix_13:

(Start: 50 @8675 has 1 MA's), (Start: 89 @8741 has 214 MA's), (162, 8939), (224, 9152), (349, 9347), (352, 9359), (377, 9458), (446, 9653), (460, 9692), (483, 9770), (485, 9776), (496, 9824), (499, 9836), (502, 9845), (525, 9935), (551, 10025), (562, 10058), (573, 10070),

Gene: DyoEdafos_6 Start: 2521, Stop: 4158, Start Num: 62

Candidate Starts for DyoEdafos_6:

(Start: 62 @2521 has 9 MA's), (107, 2596), (154, 2728), (165, 2758), (185, 2830), (199, 2893), (200, 2896), (234, 2944), (291, 3037), (322, 3076), (339, 3109), (347, 3133), (349, 3139), (355, 3160), (356, 3166), (357, 3169), (365, 3190), (381, 3256), (424, 3358), (430, 3379), (460, 3487), (461, 3493), (490, 3586), (495, 3613), (518, 3676), (522, 3706), (530, 3745), (531, 3748), (533, 3754), (549, 3814), (557, 3844), (564, 3853), (570, 3859), (621, 3949), (626, 3961), (648, 4039),

Gene: ELB20_06 Start: 3885, Stop: 5357, Start Num: 83

Candidate Starts for ELB20_06:

(Start: 83 @3885 has 105 MA's), (Start: 129 @4002 has 2 MA's), (148, 4050), (151, 4062), (154, 4071), (165, 4101), (185, 4194), (265, 4359), (269, 4365), (370, 4572), (387, 4647), (392, 4665), (397, 4677), (399, 4683), (401, 4689), (436, 4830), (446, 4881), (448, 4887), (485, 5001), (501, 5067), (520, 5124), (530, 5178), (551, 5256), (611, 5343),

Gene: EZMoney23_17 Start: 11190, Stop: 12653, Start Num: 59

Candidate Starts for EZMoney23_17:

(Start: 59 @11190 has 322 MA's), (101, 11250), (136, 11355), (224, 11637), (350, 11820), (352, 11829), (373, 11901), (377, 11928), (379, 11934), (385, 11955), (496, 12300), (502, 12321), (510, 12348), (516, 12357), (535, 12444), (544, 12474), (551, 12504), (560, 12534), (580, 12558),

Gene: Eagle_11 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Eagle_11:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: EagleEye_15 Start: 9341, Stop: 10813, Start Num: 59

Candidate Starts for EagleEye_15:

(Start: 59 @9341 has 322 MA's), (101, 9401), (131, 9488), (132, 9494), (136, 9506), (224, 9788), (247, 9821), (349, 9965), (351, 9974), (373, 10049), (376, 10073), (377, 10076), (379, 10082), (385, 10103), (496, 10448), (501, 10466), (502, 10469), (510, 10496), (516, 10505), (544, 10622), (551, 10652), (560, 10682), (573, 10697), (580, 10706), (619, 10766),

Gene: Eaglepride_13 Start: 8376, Stop: 9818, Start Num: 58

Candidate Starts for Eaglepride_13:

(Start: 58 @8376 has 296 MA's), (136, 8535), (165, 8604), (186, 8682), (193, 8715), (197, 8733), (247, 8853), (347, 8991), (352, 9009), (373, 9081), (377, 9108), (379, 9114), (385, 9135), (386, 9141), (443, 9315), (483, 9441), (484, 9444), (491, 9468), (496, 9495), (497, 9501), (502, 9516), (510, 9546), (516, 9555), (532, 9636), (544, 9672), (551, 9702), (577, 9753),

Gene: Eapen_12 Start: 8580, Stop: 10031, Start Num: 58

Candidate Starts for Eapen_12:

(Start: 58 @8580 has 296 MA's), (136, 8739), (190, 8907), (197, 8937), (209, 8976), (215, 8994), (247, 9054), (344, 9183), (349, 9201), (377, 9312), (379, 9318), (385, 9339), (386, 9345), (411, 9414), (435, 9474), (443, 9519), (483, 9645), (484, 9648), (496, 9699), (497, 9705), (502, 9720), (510, 9750), (532, 9840), (544, 9876), (551, 9906), (562, 9936),

Gene: Ebony_13 Start: 9842, Stop: 11299, Start Num: 59

Candidate Starts for Ebony_13:

(Start: 59 @9842 has 322 MA's), (97, 9887), (101, 9902), (136, 10007), (224, 10289), (247, 10322), (352, 10478), (373, 10550), (377, 10577), (379, 10583), (385, 10604), (400, 10655), (490, 10919), (496, 10949), (502, 10970), (505, 10985), (510, 10997), (516, 11006), (535, 11093), (544, 11123), (551, 11153), (560, 11183), (610, 11249),

Gene: Echild_13 Start: 9325, Stop: 10788, Start Num: 59

Candidate Starts for Echild_13:

(Start: 59 @9325 has 322 MA's), (101, 9385), (136, 9490), (219, 9754), (224, 9772), (247, 9805), (249, 9811), (377, 10060), (379, 10066), (385, 10087), (386, 10093), (400, 10138), (453, 10282), (483, 10378), (496, 10432), (501, 10450), (502, 10453), (510, 10480), (516, 10489), (544, 10606), (547,

10621), (551, 10636), (560, 10666), (580, 10690),

Gene: Eddasa_8 Start: 4241, Stop: 5683, Start Num: 83

Candidate Starts for Eddasa_8:

(70, 4232), (Start: 72 @4235 has 15 MA's), (Start: 83 @4241 has 105 MA's), (Start: 129 @4358 has 2 MA's), (148, 4406), (155, 4430), (269, 4724), (298, 4766), (312, 4793), (366, 4919), (370, 4931), (392, 5024), (426, 5102), (436, 5147), (448, 5204), (456, 5228), (520, 5441), (611, 5669),

Gene: Edison31_12 Start: 8402, Stop: 9847, Start Num: 58

Candidate Starts for Edison31_12:

(Start: 58 @8402 has 296 MA's), (136, 8561), (186, 8708), (193, 8741), (197, 8759), (199, 8765), (208, 8798), (247, 8879), (252, 8891), (347, 9017), (352, 9035), (373, 9107), (376, 9131), (377, 9134), (379, 9140), (384, 9158), (385, 9161), (443, 9341), (483, 9467), (484, 9470), (496, 9521), (497, 9527), (502, 9542), (510, 9572), (516, 9581), (532, 9662), (544, 9698), (551, 9728), (577, 9779), (580, 9782),

Gene: EdogawaKiddo_12 Start: 9893, Stop: 11380, Start Num: 59

Candidate Starts for EdogawaKiddo_12:

(Start: 59 @9893 has 322 MA's), (101, 9956), (136, 10061), (165, 10130), (200, 10271), (213, 10310), (224, 10343), (247, 10376), (349, 10520), (359, 10556), (362, 10565), (373, 10604), (377, 10631), (379, 10637), (385, 10658), (386, 10664), (400, 10709), (417, 10733), (427, 10748), (496, 11003), (501, 11021), (510, 11051), (512, 11054), (516, 11060), (542, 11171), (544, 11177), (551, 11207), (573, 11252), (580, 11261),

Gene: Edtherson_13 Start: 9189, Stop: 10631, Start Num: 89

Candidate Starts for Edtherson_13:

(Start: 50 @9123 has 1 MA's), (Start: 89 @9189 has 214 MA's), (162, 9387), (224, 9600), (349, 9795), (352, 9807), (377, 9906), (446, 10101), (460, 10140), (483, 10218), (485, 10224), (496, 10272), (499, 10284), (502, 10293), (525, 10383), (551, 10473), (562, 10506), (573, 10518),

Gene: Edugator_6 Start: 2788, Stop: 4326, Start Num: 32

Candidate Starts for Edugator_6:

(Start: 32 @2788 has 139 MA's), (96, 2890), (99, 2899), (116, 2953), (150, 3037), (154, 3049), (165, 3079), (170, 3097), (185, 3148), (192, 3184), (198, 3208), (199, 3211), (227, 3265), (238, 3286), (278, 3361), (289, 3382), (305, 3412), (331, 3457), (349, 3511), (362, 3556), (373, 3589), (380, 3625), (382, 3631), (423, 3694), (429, 3712), (445, 3790), (449, 3802), (450, 3805), (455, 3820), (475, 3865), (476, 3880), (482, 3901), (484, 3907), (495, 3955), (496, 3958), (501, 3976), (505, 3991), (523, 4057), (526, 4072), (533, 4093), (543, 4129), (553, 4165), (607, 4252),

Gene: Efra2_9 Start: 3007, Stop: 4560, Start Num: 32

Candidate Starts for Efra2_9:

(9, 2551), (11, 2593), (17, 2761), (22, 2902), (Start: 29 @2992 has 30 MA's), (Start: 32 @3007 has 139 MA's), (96, 3100), (99, 3109), (111, 3139), (136, 3214), (150, 3247), (153, 3256), (185, 3358), (189, 3379), (192, 3394), (197, 3415), (199, 3421), (238, 3499), (260, 3538), (289, 3595), (362, 3769), (375, 3823), (382, 3844), (388, 3874), (423, 3907), (445, 4003), (449, 4015), (450, 4018), (454, 4030), (455, 4033), (460, 4045), (469, 4066), (474, 4069), (501, 4186), (525, 4279), (533, 4303), (540, 4327), (541, 4330), (543, 4339), (576, 4414), (607, 4462),

Gene: Eidsmoe_14 Start: 9923, Stop: 11410, Start Num: 59

Candidate Starts for Eidsmoe_14:

(Start: 59 @9923 has 322 MA's), (101, 9986), (136, 10091), (165, 10160), (200, 10301), (224, 10373), (258, 10427), (349, 10550), (359, 10586), (362, 10595), (373, 10634), (377, 10661), (379, 10667), (385, 10688), (400, 10739), (427, 10778), (496, 11033), (501, 11051), (510, 11081), (512, 11084), (516, 11090), (542, 11201), (544, 11207), (551, 11237), (573, 11282), (580, 11291),

Gene: Eileen_3 Start: 2383, Stop: 3747, Start Num: 74

Candidate Starts for Eileen_3:

(Start: 74 @2383 has 11 MA's), (145, 2551), (151, 2569), (163, 2605), (199, 2743), (216, 2779), (275, 2890), (281, 2905), (300, 2920), (327, 2965), (335, 2986), (347, 3019), (381, 3139), (440, 3298), (450, 3331), (471, 3385), (496, 3487), (526, 3589), (527, 3595), (589, 3739),

Gene: Ejemplo_7 Start: 4059, Stop: 5495, Start Num: 83

Candidate Starts for Ejemplo_7:

(Start: 72 @4053 has 15 MA's), (Start: 83 @4059 has 105 MA's), (96, 4083), (106, 4107), (Start: 129 @4176 has 2 MA's), (148, 4224), (151, 4236), (165, 4275), (200, 4428), (225, 4458), (269, 4542), (298, 4584), (334, 4644), (337, 4650), (366, 4740), (370, 4752), (387, 4827), (392, 4845), (426, 4923), (436, 4968), (448, 5025), (513, 5238), (520, 5262), (551, 5394), (611, 5481),

Gene: Ekdilam_6 Start: 2558, Stop: 4111, Start Num: 32

Candidate Starts for Ekdilam_6:

(22, 2453), (Start: 29 @2543 has 30 MA's), (Start: 32 @2558 has 139 MA's), (96, 2657), (99, 2666), (Start: 129 @2747 has 2 MA's), (136, 2771), (150, 2804), (170, 2864), (185, 2915), (189, 2936), (192, 2951), (231, 3041), (236, 3053), (238, 3056), (278, 3131), (289, 3152), (301, 3176), (337, 3245), (352, 3293), (362, 3326), (365, 3332), (373, 3359), (375, 3380), (382, 3401), (423, 3464), (429, 3482), (445, 3560), (449, 3572), (450, 3575), (455, 3590), (464, 3617), (484, 3674), (495, 3722), (501, 3743), (506, 3764), (526, 3839), (540, 3884), (541, 3887), (543, 3896), (553, 3932), (557, 3947),

Gene: ElGato_8 Start: 3905, Stop: 5338, Start Num: 83

Candidate Starts for ElGato_8:

(Start: 83 @3905 has 105 MA's), (Start: 129 @4022 has 2 MA's), (148, 4070), (151, 4082), (237, 4325), (323, 4472), (334, 4490), (337, 4496), (366, 4583), (370, 4595), (387, 4670), (392, 4688), (409, 4727), (426, 4763), (448, 4865), (496, 5027), (501, 5045), (520, 5102), (541, 5192), (551, 5234), (590, 5300), (611, 5324),

Gene: ElTiger69_10 Start: 7764, Stop: 9197, Start Num: 59

Candidate Starts for ElTiger69_10:

(Start: 59 @7764 has 322 MA's), (131, 7893), (149, 7932), (153, 7947), (200, 8121), (209, 8148), (299, 8307), (350, 8373), (351, 8379), (352, 8382), (373, 8454), (379, 8487), (385, 8508), (388, 8526), (392, 8538), (483, 8799), (496, 8853), (501, 8871), (516, 8910), (544, 9027), (551, 9057), (560, 9087), (573, 9102), (581, 9111),

Gene: Elephantoon_14 Start: 9551, Stop: 11029, Start Num: 59

Candidate Starts for Elephantoon_14:

(Start: 59 @9551 has 322 MA's), (101, 9611), (136, 9716), (193, 9896), (200, 9926), (224, 9998), (349, 10175), (352, 10187), (373, 10259), (377, 10286), (379, 10292), (385, 10313), (392, 10343), (400, 10364), (427, 10403), (496, 10658), (501, 10676), (510, 10706), (512, 10709), (516, 10715), (542, 10826), (544, 10832), (551, 10862), (573, 10907), (580, 10916),

Gene: Elezi_3 Start: 2266, Stop: 3642, Start Num: 76

Candidate Starts for Elezi_3:

(Start: 76 @2266 has 57 MA's), (Start: 129 @2386 has 2 MA's), (165, 2485), (279, 2749), (393, 3022), (453, 3181), (474, 3229), (478, 3259), (486, 3283), (530, 3457), (575, 3577),

Gene: Elle_13 Start: 8093, Stop: 9571, Start Num: 59

Candidate Starts for Elle_13:

(Start: 59 @8093 has 322 MA's), (Start: 66 @8105 has 4 MA's), (101, 8159), (131, 8246), (134, 8261), (136, 8264), (224, 8546), (350, 8729), (351, 8735), (373, 8810), (377, 8837), (379, 8843), (385, 8864),

(389, 8885), (417, 8939), (453, 9059), (496, 9209), (497, 9215), (501, 9227), (502, 9230), (510, 9257), (516, 9266), (542, 9377), (544, 9383), (551, 9413), (560, 9443), (573, 9458), (580, 9467),

Gene: Ellie_6 Start: 2649, Stop: 4202, Start Num: 32

Candidate Starts for Ellie_6:

(20, 2517), (22, 2544), (Start: 29 @2634 has 30 MA's), (Start: 32 @2649 has 139 MA's), (96, 2748), (99, 2757), (125, 2829), (Start: 129 @2838 has 2 MA's), (136, 2862), (150, 2895), (170, 2955), (189, 3027), (192, 3042), (231, 3132), (238, 3147), (278, 3222), (289, 3243), (301, 3267), (337, 3336), (349, 3372), (352, 3384), (362, 3417), (373, 3450), (375, 3471), (382, 3492), (388, 3522), (423, 3555), (429, 3573), (445, 3651), (449, 3663), (450, 3666), (454, 3678), (455, 3681), (464, 3708), (484, 3765), (501, 3834), (506, 3855), (519, 3879), (526, 3930), (533, 3951), (541, 3978), (543, 3987), (553, 4023),

Gene: Ellson_6 Start: 2768, Stop: 4411, Start Num: 61

Candidate Starts for Ellson_6:

(Start: 61 @2768 has 69 MA's), (99, 2828), (151, 2969), (154, 2978), (185, 3080), (200, 3146), (234, 3194), (291, 3287), (322, 3326), (347, 3383), (349, 3389), (356, 3416), (359, 3425), (365, 3440), (430, 3629), (447, 3701), (461, 3743), (518, 3926), (524, 3968), (530, 3995), (533, 4004), (549, 4064), (557, 4094), (564, 4103), (611, 4178), (626, 4211),

Gene: Emaanora_9 Start: 4055, Stop: 5491, Start Num: 83

Candidate Starts for Emaanora_9:

(Start: 72 @4049 has 15 MA's), (Start: 83 @4055 has 105 MA's), (96, 4079), (106, 4103), (Start: 129 @4172 has 2 MA's), (148, 4220), (151, 4232), (165, 4271), (200, 4424), (269, 4538), (298, 4580), (312, 4607), (334, 4640), (337, 4646), (366, 4736), (370, 4748), (387, 4823), (392, 4841), (426, 4919), (436, 4964), (448, 5021), (513, 5234), (520, 5258), (551, 5390), (590, 5456), (611, 5477),

Gene: Emerson_9 Start: 3029, Stop: 4582, Start Num: 32

Candidate Starts for Emerson_9:

(22, 2927), (Start: 29 @3014 has 30 MA's), (Start: 32 @3029 has 139 MA's), (96, 3131), (99, 3140), (125, 3212), (Start: 129 @3221 has 2 MA's), (136, 3245), (150, 3278), (153, 3287), (185, 3389), (189, 3410), (198, 3449), (199, 3452), (231, 3515), (238, 3530), (250, 3554), (278, 3605), (289, 3626), (321, 3680), (362, 3800), (373, 3833), (375, 3854), (382, 3875), (388, 3905), (423, 3938), (429, 3956), (440, 4016), (445, 4034), (449, 4046), (450, 4049), (454, 4061), (455, 4064), (474, 4100), (484, 4148), (496, 4199), (501, 4217), (526, 4313), (533, 4334), (541, 4361), (543, 4370), (553, 4406),

Gene: EmiRose_3 Start: 2568, Stop: 3956, Start Num: 79

Candidate Starts for EmiRose_3:

(Start: 79 @2568 has 1 MA's), (97, 2598), (154, 2760), (162, 2784), (165, 2790), (185, 2856), (187, 2865), (191, 2889), (198, 2916), (207, 2943), (241, 2982), (345, 3141), (351, 3168), (380, 3273), (387, 3303), (395, 3327), (424, 3390), (428, 3405), (439, 3444), (470, 3543), (481, 3591), (486, 3603), (495, 3645), (503, 3675), (522, 3738), (524, 3750), (530, 3777), (543, 3822), (577, 3897),

Gene: Emmaloid_4 Start: 2200, Stop: 3621, Start Num: 78

Candidate Starts for Emmaloid_4:

(Start: 78 @2200 has 61 MA's), (Start: 95 @2227 has 1 MA's), (99, 2239), (148, 2368), (153, 2386), (165, 2419), (185, 2488), (192, 2524), (197, 2545), (199, 2551), (208, 2575), (211, 2578), (253, 2653), (257, 2659), (268, 2686), (280, 2704), (301, 2746), (332, 2797), (338, 2815), (349, 2848), (351, 2857), (352, 2860), (367, 2908), (370, 2917), (375, 2947), (381, 2965), (388, 2998), (431, 3055), (449, 3139), (455, 3157), (464, 3184), (472, 3196), (474, 3199), (475, 3205), (476, 3220), (486, 3253), (496, 3298), (518, 3358), (533, 3433), (534, 3439), (537, 3448), (540, 3457), (543, 3469), (572, 3532), (600, 3580),

Gene: Emotion_3 Start: 2309, Stop: 3673, Start Num: 76

Candidate Starts for Emotion_3:

(Start: 76 @2309 has 57 MA's), (Start: 129 @2435 has 2 MA's), (347, 2903), (350, 2912), (376, 3005), (443, 3194), (527, 3491), (530, 3500),

Gene: EmyBug_14 Start: 9923, Stop: 11410, Start Num: 59

Candidate Starts for EmyBug_14:

(Start: 59 @9923 has 322 MA's), (101, 9986), (136, 10091), (165, 10160), (200, 10301), (224, 10373), (258, 10427), (349, 10550), (359, 10586), (362, 10595), (373, 10634), (377, 10661), (379, 10667), (385, 10688), (400, 10739), (427, 10778), (496, 11033), (501, 11051), (510, 11081), (512, 11084), (516, 11090), (542, 11201), (544, 11207), (551, 11237), (573, 11282), (580, 11291),

Gene: Enby_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Enby_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Enceladus_5 Start: 2626, Stop: 4299, Start Num: 61

Candidate Starts for Enceladus_5:

(Start: 61 @2626 has 69 MA's), (101, 2689), (116, 2743), (127, 2767), (154, 2836), (162, 2860), (185, 2938), (192, 2974), (241, 3067), (244, 3070), (291, 3145), (322, 3184), (349, 3247), (356, 3274), (357, 3277), (365, 3298), (371, 3319), (380, 3361), (381, 3364), (424, 3466), (428, 3481), (430, 3487), (450, 3568), (460, 3595), (461, 3601), (490, 3694), (495, 3721), (497, 3730), (518, 3784), (521, 3805), (524, 3826), (530, 3853), (533, 3862), (549, 3922), (557, 3952), (564, 3961), (626, 4069), (653, 4264),

Gene: EniyanLRS_24 Start: 9432, Stop: 10871, Start Num: 62

Candidate Starts for EniyanLRS_24:

(44, 9399), (Start: 58 @9423 has 296 MA's), (Start: 62 @9432 has 9 MA's), (96, 9483), (101, 9495), (106, 9507), (151, 9639), (153, 9645), (154, 9648), (155, 9651), (162, 9672), (165, 9678), (184, 9738), (185, 9747), (189, 9768), (221, 9846), (340, 10026), (352, 10056), (357, 10074), (362, 10089), (371, 10116), (377, 10149), (381, 10161), (382, 10164), (393, 10209), (418, 10245), (428, 10266), (442, 10329), (460, 10380), (483, 10452), (496, 10506), (498, 10515), (522, 10596), (527, 10626), (540, 10668), (546, 10695), (567, 10746), (574, 10755), (614, 10812), (631, 10851),

Gene: Enkosi_5 Start: 2268, Stop: 3839, Start Num: 29

Candidate Starts for Enkosi_5:

(21, 2157), (22, 2178), (Start: 29 @2268 has 30 MA's), (Start: 32 @2283 has 139 MA's), (Start: 81 @2352 has 1 MA's), (Start: 89 @2367 has 214 MA's), (99, 2388), (Start: 129 @2469 has 2 MA's), (136, 2493), (150, 2526), (162, 2562), (185, 2637), (189, 2658), (192, 2673), (238, 2778), (273, 2844), (289, 2874), (320, 2928), (337, 2970), (349, 3006), (352, 3018), (362, 3051), (373, 3084), (382, 3126), (388, 3156), (423, 3189), (429, 3207), (431, 3213), (440, 3267), (445, 3285), (449, 3297), (454, 3312), (455, 3315), (469, 3348), (495, 3447), (496, 3450), (501, 3468), (518, 3510), (525, 3561), (526, 3564), (533, 3585), (540, 3609), (541, 3612), (543, 3621), (553, 3657), (557, 3672), (574, 3693),

Gene: EnochSoames_8 Start: 4237, Stop: 5679, Start Num: 83

Candidate Starts for EnochSoames_8:

(70, 4228), (Start: 72 @4231 has 15 MA's), (Start: 83 @4237 has 105 MA's), (Start: 129 @4354 has 2 MA's), (148, 4402), (269, 4720), (298, 4762), (312, 4789), (366, 4915), (370, 4927), (392, 5020), (426, 5098), (436, 5143), (448, 5200), (456, 5224), (520, 5437), (611, 5665),

Gene: EnzoK_13 Start: 8923, Stop: 10365, Start Num: 89

Candidate Starts for EnzoK_13:

(Start: 50 @8857 has 1 MA's), (Start: 89 @8923 has 214 MA's), (162, 9121), (224, 9334), (349, 9529), (352, 9541), (377, 9640), (446, 9835), (464, 9889), (483, 9952), (485, 9958), (496, 10006), (499, 10018), (502, 10027), (516, 10060), (525, 10117), (551, 10207), (562, 10240), (573, 10252),

Gene: EpicPhail_14 Start: 8654, Stop: 10108, Start Num: 58

Candidate Starts for EpicPhail_14:

(Start: 58 @8654 has 296 MA's), (Start: 90 @8684 has 2 MA's), (101, 8711), (136, 8816), (179, 8930), (193, 8996), (209, 9053), (247, 9131), (248, 9134), (349, 9275), (377, 9386), (379, 9392), (385, 9413), (443, 9578), (483, 9704), (496, 9758), (497, 9764), (502, 9779), (516, 9815), (535, 9902), (544, 9932), (551, 9962), (573, 10007), (581, 10016),

Gene: Eponine_10 Start: 3912, Stop: 5507, Start Num: 29

Candidate Starts for Eponine_10:

(Start: 29 @3912 has 30 MA's), (Start: 30 @3927 has 28 MA's), (Start: 39 @3951 has 1 MA's), (Start: 81 @4014 has 1 MA's), (125, 4122), (Start: 129 @4131 has 2 MA's), (150, 4188), (153, 4197), (154, 4200), (165, 4230), (185, 4299), (189, 4320), (197, 4356), (199, 4362), (208, 4386), (238, 4437), (260, 4476), (289, 4533), (333, 4611), (334, 4614), (337, 4620), (345, 4638), (351, 4665), (352, 4668), (362, 4701), (373, 4734), (375, 4755), (382, 4776), (423, 4839), (431, 4863), (436, 4887), (445, 4935), (449, 4947), (455, 4965), (472, 5004), (476, 5028), (497, 5112), (499, 5118), (501, 5124), (509, 5193), (518, 5217), (533, 5292), (541, 5319), (543, 5328), (553, 5364), (567, 5391), (576, 5403),

Gene: Epsocamisio_15 Start: 8380, Stop: 9840, Start Num: 59

Candidate Starts for Epsocamisio_15:

(Start: 59 @8380 has 322 MA's), (101, 8440), (136, 8545), (163, 8611), (213, 8794), (224, 8827), (247, 8860), (373, 9091), (377, 9118), (379, 9124), (385, 9145), (389, 9166), (400, 9196), (417, 9220), (443, 9310), (453, 9340), (483, 9436), (491, 9463), (496, 9490), (501, 9508), (502, 9511), (510, 9544), (516, 9553), (544, 9670), (551, 9700), (580, 9754),

Gene: Equemioh13_15 Start: 9710, Stop: 11170, Start Num: 59

Candidate Starts for Equemioh13_15:

(Start: 59 @9710 has 322 MA's), (101, 9770), (132, 9863), (136, 9875), (224, 10157), (247, 10190), (350, 10337), (352, 10346), (373, 10418), (377, 10445), (379, 10451), (385, 10472), (464, 10700), (496, 10817), (502, 10838), (510, 10865), (516, 10874), (544, 10991), (551, 11021), (560, 11051), (580, 11075),

Gene: Eraser_3 Start: 2266, Stop: 3642, Start Num: 76

Candidate Starts for Eraser_3:

(Start: 76 @2266 has 57 MA's), (Start: 129 @2386 has 2 MA's), (165, 2485), (279, 2749), (393, 3022), (453, 3181), (474, 3229), (478, 3259), (486, 3283), (530, 3457), (575, 3577),

Gene: EricB_16 Start: 9275, Stop: 10738, Start Num: 59

Candidate Starts for EricB_16:

(Start: 59 @9275 has 322 MA's), (Start: 72 @9296 has 15 MA's), (101, 9335), (131, 9422), (133, 9434), (136, 9440), (224, 9722), (358, 9935), (373, 9986), (377, 10013), (379, 10019), (385, 10040), (502, 10406), (510, 10433), (516, 10442), (526, 10502), (544, 10559), (551, 10589), (560, 10619), (582, 10646),

Gene: Erik_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for Erik_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501,

5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Eris_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Eris_12:

(Start: 58 @8578 has 296 MA's), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Eros_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Eros_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (464, 9580), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Esperer_7 Start: 4081, Stop: 5523, Start Num: 83

Candidate Starts for Esperer_7:

(70, 4072), (Start: 72 @4075 has 15 MA's), (Start: 83 @4081 has 105 MA's), (Start: 129 @4198 has 2 MA's), (148, 4246), (269, 4564), (298, 4606), (312, 4633), (334, 4666), (366, 4759), (370, 4771), (392, 4864), (426, 4942), (436, 4987), (448, 5044), (456, 5068), (520, 5281), (611, 5509),

Gene: Espica_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for Espica_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Espresso_12 Start: 8785, Stop: 10227, Start Num: 89

Candidate Starts for Espresso_12:

(Start: 50 @8719 has 1 MA's), (Start: 89 @8785 has 214 MA's), (162, 8983), (224, 9196), (349, 9391), (352, 9403), (377, 9502), (446, 9697), (460, 9736), (483, 9814), (485, 9820), (496, 9868), (499, 9880), (502, 9889), (525, 9979), (551, 10069), (562, 10102), (573, 10114),

Gene: Estes_20 Start: 7004, Stop: 8605, Start Num: 35

Candidate Starts for Estes_20:

(Start: 35 @7004 has 23 MA's), (125, 7193), (138, 7226), (145, 7238), (153, 7262), (162, 7289), (165, 7295), (185, 7367), (186, 7373), (191, 7400), (192, 7403), (225, 7466), (228, 7469), (237, 7487), (318, 7604), (349, 7661), (367, 7721), (370, 7730), (381, 7778), (382, 7781), (434, 7904), (440, 7940), (456, 7991), (458, 7994), (472, 8024), (475, 8033), (491, 8099), (492, 8102), (496, 8126), (522, 8216), (533, 8264), (574, 8375), (614, 8447),

Gene: Et2Brutus_12 Start: 9787, Stop: 11244, Start Num: 59

Candidate Starts for Et2Brutus_12:

(Start: 59 @9787 has 322 MA's), (97, 9832), (101, 9847), (136, 9952), (224, 10234), (247, 10267), (352, 10423), (373, 10495), (377, 10522), (379, 10528), (385, 10549), (400, 10600), (490, 10864), (496, 10894), (502, 10915), (505, 10930), (510, 10942), (516, 10951), (535, 11038), (544, 11068), (551, 11098), (560, 11128), (610, 11194),

Gene: EtoileNova_13 Start: 8741, Stop: 10210, Start Num: 58

Candidate Starts for EtoileNova_13:

(Start: 58 @8741 has 296 MA's), (94, 8780), (136, 8906), (169, 8990), (186, 9053), (193, 9086), (197, 9104), (209, 9143), (219, 9170), (247, 9221), (344, 9347), (347, 9359), (351, 9374), (352, 9377), (373, 9449), (377, 9476), (379, 9482), (385, 9503), (386, 9509), (392, 9533), (411, 9575), (443, 9680), (483, 9806), (484, 9809), (496, 9860), (497, 9866), (502, 9881), (510, 9911), (544, 10037), (551, 10067), (562, 10097),

Gene: Euphoria_12 Start: 8681, Stop: 10123, Start Num: 89

Candidate Starts for Euphoria_12:

(Start: 50 @8615 has 1 MA's), (Start: 89 @8681 has 214 MA's), (162, 8879), (224, 9092), (349, 9287), (352, 9299), (377, 9398), (398, 9470), (446, 9593), (460, 9632), (483, 9710), (485, 9716), (496, 9764), (499, 9776), (502, 9785), (525, 9875), (551, 9965), (562, 9998), (573, 10010),

Gene: Eurydice_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Eurydice_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: EvePickles_4 Start: 2275, Stop: 3612, Start Num: 88

Candidate Starts for EvePickles_4:

(27, 2152), (28, 2155), (41, 2197), (47, 2209), (Start: 80 @2263 has 4 MA's), (Start: 88 @2275 has 31 MA's), (108, 2323), (130, 2386), (132, 2398), (216, 2656), (247, 2713), (279, 2776), (318, 2821), (345, 2848), (347, 2857), (355, 2884), (375, 2965), (379, 2977), (380, 2980), (386, 3004), (399, 3046), (446, 3172), (464, 3226), (483, 3289), (486, 3298), (495, 3340), (498, 3352), (512, 3391), (526, 3457), (551, 3538), (556, 3547), (585, 3598),

Gene: EvilGenius_15 Start: 9621, Stop: 11096, Start Num: 59

Candidate Starts for EvilGenius_15:

(Start: 59 @9621 has 322 MA's), (101, 9681), (136, 9786), (197, 9984), (224, 10068), (247, 10101), (327, 10212), (373, 10329), (377, 10356), (379, 10362), (385, 10383), (386, 10389), (400, 10434), (446, 10557), (496, 10728), (501, 10746), (502, 10749), (510, 10776), (516, 10785), (544, 10902), (551, 10932), (560, 10962), (580, 10986), (634, 11073),

Gene: Ewald_6 Start: 2915, Stop: 4390, Start Num: 85

Candidate Starts for Ewald_6:

(Start: 85 @2915 has 6 MA's), (132, 3038), (152, 3086), (156, 3098), (160, 3110), (164, 3119), (185, 3194), (191, 3227), (192, 3230), (193, 3233), (197, 3251), (199, 3257), (206, 3278), (220, 3296), (254, 3362), (258, 3368), (300, 3452), (302, 3455), (367, 3617), (373, 3635), (380, 3671), (381, 3674), (383, 3680), (388, 3707), (397, 3731), (403, 3761), (413, 3809), (433, 3857), (437, 3881), (472, 3992), (495, 4091), (506, 4130), (540, 4241), (550, 4280), (565, 4322), (568, 4325),

Gene: Exile_3 Start: 2293, Stop: 3681, Start Num: 76

Candidate Starts for Exile_3:

(Start: 76 @2293 has 57 MA's), (Start: 129 @2416 has 2 MA's), (228, 2686), (478, 3286), (522, 3445), (527, 3475), (530, 3484), (552, 3562),

Gene: Expelliarmus_9 Start: 7423, Stop: 8853, Start Num: 59

Candidate Starts for Expelliarmus_9:

(Start: 59 @7423 has 322 MA's), (135, 7573), (186, 7720), (224, 7855), (299, 7966), (349, 8029), (362, 8074), (377, 8140), (385, 8167), (398, 8212), (443, 8332), (476, 8434), (496, 8512), (497, 8518), (516, 8569), (544, 8686), (551, 8716), (581, 8770),

Gene: ExplosioNervosa_14 Start: 9926, Stop: 11413, Start Num: 59

Candidate Starts for ExplosioNervosa_14:

(Start: 59 @9926 has 322 MA's), (101, 9989), (136, 10094), (165, 10163), (200, 10304), (213, 10343), (224, 10376), (247, 10409), (349, 10553), (373, 10637), (377, 10664), (379, 10670), (385, 10691), (392, 10721), (417, 10766), (427, 10781), (496, 11036), (501, 11054), (510, 11084), (512, 11087), (516, 11093), (542, 11204), (544, 11210), (551, 11240), (573, 11285), (580, 11294),

Gene: Eyeball_12 Start: 8428, Stop: 9870, Start Num: 89

Candidate Starts for Eyeball_12:

(Start: 50 @8362 has 1 MA's), (Start: 89 @8428 has 214 MA's), (162, 8626), (224, 8839), (349, 9034), (352, 9046), (377, 9145), (446, 9340), (460, 9379), (483, 9457), (485, 9463), (496, 9511), (499, 9523), (502, 9532), (525, 9622), (551, 9712), (562, 9745), (573, 9757),

Gene: Faith1_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Faith1_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: Faja_4 Start: 2274, Stop: 3605, Start Num: 88

Candidate Starts for Faja_4:

(Start: 80 @2262 has 4 MA's), (Start: 88 @2274 has 31 MA's), (94, 2283), (130, 2385), (132, 2397), (182, 2538), (190, 2583), (194, 2598), (199, 2619), (219, 2655), (224, 2673), (271, 2754), (300, 2799), (355, 2877), (375, 2958), (379, 2970), (380, 2973), (386, 2997), (399, 3039), (441, 3150), (446, 3165), (457, 3195), (486, 3291), (551, 3531), (552, 3534), (556, 3540), (585, 3591),

Gene: Fajezeel_14 Start: 9005, Stop: 10447, Start Num: 89

Candidate Starts for Fajezeel_14:

(Start: 50 @8939 has 1 MA's), (Start: 89 @9005 has 214 MA's), (162, 9203), (224, 9416), (349, 9611), (377, 9722), (446, 9917), (460, 9956), (483, 10034), (485, 10040), (496, 10088), (499, 10100), (502, 10109), (525, 10199), (551, 10289), (562, 10322), (573, 10334),

Gene: Fameo_13 Start: 9238, Stop: 10701, Start Num: 59

Candidate Starts for Fameo_13:

(Start: 59 @9238 has 322 MA's), (101, 9298), (136, 9403), (197, 9601), (224, 9685), (247, 9718), (327, 9829), (350, 9865), (373, 9946), (377, 9973), (379, 9979), (385, 10000), (386, 10006), (400, 10051), (446, 10174), (496, 10345), (501, 10363), (502, 10366), (510, 10393), (516, 10402), (544, 10519), (551, 10549), (560, 10579), (580, 10603),

Gene: Farber_14 Start: 8647, Stop: 10101, Start Num: 58

Candidate Starts for Farber_14:

(Start: 58 @8647 has 296 MA's), (Start: 90 @8677 has 2 MA's), (101, 8704), (136, 8809), (179, 8923), (193, 8989), (209, 9046), (247, 9124), (248, 9127), (349, 9268), (377, 9379), (379, 9385), (385, 9406), (443, 9571), (483, 9697), (496, 9751), (497, 9757), (502, 9772), (516, 9808), (535, 9895), (544, 9925), (551, 9955), (573, 10000), (581, 10009),

Gene: Farewell_3 Start: 2307, Stop: 3758, Start Num: 72

Candidate Starts for Farewell_3:

(70, 2304), (Start: 72 @2307 has 15 MA's), (Start: 78 @2313 has 61 MA's), (99, 2352), (119, 2418), (148, 2481), (154, 2502), (159, 2517), (165, 2532), (192, 2637), (198, 2661), (289, 2835), (294, 2844),

(335, 2934), (345, 2955), (351, 2982), (352, 2985), (381, 3090), (421, 3159), (436, 3204), (465, 3312), (472, 3321), (476, 3345), (488, 3387), (496, 3423), (501, 3441), (523, 3522), (538, 3585), (545, 3615), (584, 3678),

Gene: FarmResident_5 Start: 2373, Stop: 4010, Start Num: 62

Candidate Starts for FarmResident_5:

(Start: 62 @2373 has 9 MA's), (107, 2448), (153, 2577), (154, 2580), (165, 2610), (185, 2682), (192, 2718), (202, 2757), (291, 2889), (322, 2928), (339, 2961), (347, 2985), (349, 2991), (355, 3012), (356, 3018), (357, 3021), (365, 3042), (380, 3105), (381, 3108), (424, 3210), (430, 3231), (461, 3345), (490, 3438), (495, 3465), (518, 3528), (524, 3570), (530, 3597), (531, 3600), (533, 3606), (549, 3666), (557, 3696), (564, 3705), (570, 3711), (621, 3801), (626, 3813), (648, 3891),

Gene: Fascinus_11 Start: 8431, Stop: 9873, Start Num: 89

Candidate Starts for Fascinus_11:

(Start: 50 @8365 has 1 MA's), (Start: 89 @8431 has 214 MA's), (162, 8629), (224, 8842), (349, 9037), (352, 9049), (377, 9148), (446, 9343), (460, 9382), (483, 9460), (485, 9466), (496, 9514), (499, 9526), (502, 9535), (525, 9625), (551, 9715), (562, 9748), (573, 9760),

Gene: FatCactus_11 Start: 7289, Stop: 8740, Start Num: 59

Candidate Starts for FatCactus_11:

(Start: 59 @7289 has 322 MA's), (101, 7349), (132, 7442), (136, 7454), (219, 7718), (224, 7736), (247, 7769), (299, 7850), (344, 7895), (349, 7913), (373, 7997), (377, 8024), (379, 8030), (385, 8051), (464, 8279), (483, 8342), (496, 8396), (502, 8417), (516, 8453), (544, 8561), (551, 8591), (571, 8633), (573, 8636),

Gene: Fayely_14 Start: 9926, Stop: 11413, Start Num: 59

Candidate Starts for Fayely_14:

(Start: 59 @9926 has 322 MA's), (101, 9989), (136, 10094), (165, 10163), (200, 10304), (213, 10343), (224, 10376), (247, 10409), (349, 10553), (359, 10589), (362, 10598), (373, 10637), (377, 10664), (379, 10670), (385, 10691), (392, 10721), (400, 10742), (417, 10766), (427, 10781), (496, 11036), (501, 11054), (510, 11084), (512, 11087), (516, 11093), (542, 11204), (544, 11210), (551, 11240), (573, 11285), (580, 11294),

Gene: Fefferhead_8 Start: 2819, Stop: 4372, Start Num: 32

Candidate Starts for Fefferhead_8:

(20, 2687), (22, 2714), (Start: 29 @2804 has 30 MA's), (Start: 32 @2819 has 139 MA's), (96, 2918), (99, 2927), (105, 2936), (Start: 129 @3008 has 2 MA's), (136, 3032), (150, 3065), (170, 3125), (185, 3176), (189, 3197), (192, 3212), (231, 3302), (238, 3317), (278, 3392), (289, 3413), (301, 3437), (337, 3506), (349, 3542), (352, 3554), (362, 3587), (373, 3620), (375, 3641), (382, 3662), (388, 3692), (423, 3725), (429, 3743), (436, 3773), (445, 3821), (449, 3833), (450, 3836), (454, 3848), (455, 3851), (464, 3878), (484, 3935), (501, 4004), (506, 4025), (526, 4100), (533, 4121), (541, 4148), (543, 4157), (553, 4193),

Gene: Fenn_13 Start: 9995, Stop: 11437, Start Num: 89

Candidate Starts for Fenn_13:

(Start: 50 @9929 has 1 MA's), (Start: 89 @9995 has 214 MA's), (162, 10193), (224, 10406), (349, 10601), (352, 10613), (377, 10712), (446, 10907), (460, 10946), (483, 11024), (485, 11030), (496, 11078), (499, 11090), (502, 11099), (525, 11189), (551, 11279), (562, 11312), (573, 11324),

Gene: Fernando_14 Start: 8652, Stop: 10106, Start Num: 58

Candidate Starts for Fernando_14:

(Start: 58 @8652 has 296 MA's), (Start: 90 @8682 has 2 MA's), (101, 8709), (136, 8814), (179, 8928), (193, 8994), (209, 9051), (247, 9129), (248, 9132), (349, 9273), (377, 9384), (379, 9390), (385, 9411),

(443, 9576), (483, 9702), (496, 9756), (497, 9762), (502, 9777), (516, 9813), (535, 9900), (544, 9930), (551, 9960), (573, 10005), (581, 10014),

Gene: Feyre_7 Start: 2766, Stop: 4301, Start Num: 32

Candidate Starts for Feyre_7:

(Start: 32 @2766 has 139 MA's), (Start: 81 @2838 has 1 MA's), (99, 2874), (105, 2883), (116, 2928), (150, 3012), (154, 3024), (165, 3054), (170, 3072), (185, 3123), (192, 3159), (199, 3186), (224, 3237), (227, 3240), (231, 3246), (238, 3261), (240, 3264), (278, 3336), (289, 3357), (305, 3387), (331, 3432), (349, 3486), (362, 3531), (373, 3564), (380, 3600), (381, 3603), (382, 3606), (423, 3669), (429, 3687), (431, 3693), (445, 3765), (449, 3777), (450, 3780), (455, 3795), (475, 3840), (476, 3855), (482, 3876), (495, 3930), (496, 3933), (501, 3951), (505, 3966), (523, 4032), (526, 4047), (533, 4068), (538, 4086), (543, 4104), (553, 4140), (607, 4227),

Gene: Fibonacci_13 Start: 9787, Stop: 11244, Start Num: 59

Candidate Starts for Fibonacci_13:

(Start: 59 @9787 has 322 MA's), (97, 9832), (101, 9847), (136, 9952), (224, 10234), (247, 10267), (352, 10423), (373, 10495), (377, 10522), (379, 10528), (385, 10549), (400, 10600), (490, 10864), (496, 10894), (502, 10915), (505, 10930), (510, 10942), (516, 10951), (535, 11038), (544, 11068), (551, 11098), (560, 11128), (610, 11194),

Gene: Findley_5 Start: 2088, Stop: 3593, Start Num: 30

Candidate Starts for Findley_5:

(Start: 30 @2088 has 28 MA's), (Start: 59 @2133 has 322 MA's), (Start: 81 @2154 has 1 MA's), (99, 2190), (Start: 129 @2271 has 2 MA's), (150, 2328), (154, 2340), (162, 2364), (165, 2370), (182, 2421), (185, 2439), (189, 2460), (197, 2496), (199, 2502), (208, 2526), (231, 2562), (278, 2652), (289, 2673), (303, 2700), (330, 2742), (331, 2748), (337, 2766), (352, 2814), (362, 2847), (365, 2853), (375, 2901), (382, 2922), (388, 2952), (423, 2985), (429, 3003), (431, 3009), (436, 3033), (449, 3093), (453, 3105), (455, 3111), (472, 3150), (501, 3270), (518, 3312), (540, 3411), (541, 3414), (543, 3423), (557, 3474), (594, 3519), (629, 3570),

Gene: Finemlucis_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Finemlucis_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (650, 4186), (653, 4258),

Gene: Finnry_6 Start: 2753, Stop: 4396, Start Num: 61

Candidate Starts for Finnry_6:

(Start: 61 @2753 has 69 MA's), (99, 2813), (154, 2963), (165, 2993), (185, 3065), (200, 3131), (234, 3179), (291, 3272), (322, 3311), (347, 3368), (349, 3374), (356, 3401), (359, 3410), (365, 3425), (430, 3614), (439, 3647), (447, 3686), (461, 3728), (518, 3911), (524, 3953), (530, 3980), (533, 3989), (549, 4049), (557, 4079), (564, 4088), (611, 4163), (626, 4196),

Gene: Fionnbharth_10 Start: 3922, Stop: 5508, Start Num: 30

Candidate Starts for Fionnbharth_10:

(Start: 29 @3907 has 30 MA's), (Start: 30 @3922 has 28 MA's), (Start: 39 @3946 has 1 MA's), (Start: 81 @4012 has 1 MA's), (105, 4057), (Start: 129 @4129 has 2 MA's), (150, 4186), (153, 4195), (154, 4198), (165, 4228), (185, 4297), (189, 4318), (197, 4354), (199, 4360), (208, 4384), (231, 4420), (238, 4435), (260, 4474), (333, 4609), (337, 4618), (345, 4636), (351, 4663), (352, 4666), (362, 4699), (373, 4732), (375, 4753), (382, 4774), (423, 4837), (431, 4861), (436, 4885), (445, 4933), (449, 4945), (453,

4957), (455, 4963), (472, 5002), (499, 5116), (501, 5122), (533, 5293), (541, 5320), (543, 5329), (567, 5392), (576, 5404),

Gene: FiringLine_13 Start: 9170, Stop: 10633, Start Num: 59

Candidate Starts for FiringLine_13:

(Start: 59 @9170 has 322 MA's), (101, 9230), (136, 9335), (197, 9533), (224, 9617), (247, 9650), (327, 9761), (373, 9878), (377, 9905), (379, 9911), (385, 9932), (386, 9938), (400, 9983), (446, 10106), (496, 10277), (501, 10295), (502, 10298), (510, 10325), (516, 10334), (544, 10451), (551, 10481), (560, 10511),

Gene: First_0013 Start: 9230, Stop: 10690, Start Num: 59

Candidate Starts for First_0013:

(Start: 59 @9230 has 322 MA's), (101, 9290), (136, 9395), (219, 9659), (224, 9677), (247, 9710), (327, 9821), (373, 9938), (377, 9965), (379, 9971), (385, 9992), (386, 9998), (400, 10043), (453, 10187), (482, 10280), (496, 10337), (501, 10355), (502, 10358), (510, 10385), (516, 10394), (544, 10511), (547, 10526), (551, 10541), (560, 10571), (580, 10595),

Gene: FiveHead_3 Start: 2290, Stop: 3654, Start Num: 76

Candidate Starts for FiveHead_3:

(Start: 76 @2290 has 57 MA's), (125, 2404), (Start: 129 @2413 has 2 MA's), (371, 2956), (376, 2986), (443, 3175), (474, 3253), (527, 3472), (530, 3481), (552, 3559),

Gene: Flare16_13 Start: 9268, Stop: 10728, Start Num: 59

Candidate Starts for Flare16_13:

(Start: 59 @9268 has 322 MA's), (101, 9328), (132, 9421), (136, 9433), (224, 9715), (247, 9748), (350, 9895), (352, 9904), (373, 9976), (377, 10003), (379, 10009), (385, 10030), (464, 10258), (496, 10375), (502, 10396), (510, 10423), (516, 10432), (544, 10549), (551, 10579), (560, 10609), (580, 10633),

Gene: Flathead_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Flathead_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (301, 2745), (349, 2847), (352, 2859), (355, 2868), (365, 2898), (367, 2907), (375, 2946), (381, 2964), (382, 2967), (388, 2997), (431, 3054), (439, 3093), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Flaverint_13 Start: 9784, Stop: 11241, Start Num: 59

Candidate Starts for Flaverint_13:

(Start: 59 @9784 has 322 MA's), (97, 9829), (101, 9844), (136, 9949), (224, 10231), (247, 10264), (352, 10420), (373, 10492), (377, 10519), (379, 10525), (385, 10546), (400, 10597), (490, 10861), (496, 10891), (502, 10912), (505, 10927), (510, 10939), (516, 10948), (535, 11035), (544, 11065), (551, 11095), (560, 11125), (610, 11191),

Gene: Floof_3 Start: 2472, Stop: 4010, Start Num: 76

Candidate Starts for Floof_3:

(Start: 76 @2472 has 57 MA's), (Start: 129 @2592 has 2 MA's), (148, 2640), (165, 2691), (244, 2877), (397, 3225), (428, 3285), (433, 3300), (464, 3423), (465, 3426), (478, 3468), (524, 3633), (527, 3651), (530, 3660), (533, 3669), (618, 3849),

Gene: Florean_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Florean_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Florence1_10 Start: 7727, Stop: 9160, Start Num: 59

Candidate Starts for Florence1_10:

(Start: 59 @7727 has 322 MA's), (142, 7883), (149, 7895), (153, 7910), (155, 7916), (200, 8084), (209, 8111), (247, 8189), (299, 8270), (351, 8342), (352, 8345), (373, 8417), (379, 8450), (385, 8471), (388, 8489), (392, 8501), (417, 8546), (483, 8762), (496, 8816), (501, 8834), (516, 8873), (544, 8990), (551, 9020), (560, 9050), (581, 9074),

Gene: Florence4_11 Start: 7727, Stop: 9160, Start Num: 59

Candidate Starts for Florence4_11:

(Start: 59 @7727 has 322 MA's), (142, 7883), (149, 7895), (153, 7910), (155, 7916), (200, 8084), (209, 8111), (247, 8189), (299, 8270), (351, 8342), (352, 8345), (373, 8417), (379, 8450), (385, 8471), (388, 8489), (392, 8501), (417, 8546), (483, 8762), (496, 8816), (501, 8834), (516, 8873), (544, 8990), (551, 9020), (560, 9050), (581, 9074),

Gene: Flutur_3 Start: 2269, Stop: 3645, Start Num: 76

Candidate Starts for Flutur_3:

(Start: 76 @2269 has 57 MA's), (Start: 129 @2389 has 2 MA's), (165, 2488), (175, 2527), (279, 2752), (342, 2845), (393, 3025), (456, 3193), (474, 3232), (478, 3262), (486, 3286), (530, 3460), (533, 3469), (575, 3580),

Gene: Flux_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Flux_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (464, 9580), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: FlyCatcher_16 Start: 9998, Stop: 11494, Start Num: 58

Candidate Starts for FlyCatcher_16:

(Start: 58 @9998 has 296 MA's), (136, 10163), (179, 10313), (193, 10379), (219, 10463), (229, 10487), (247, 10514), (256, 10532), (299, 10595), (344, 10643), (347, 10655), (351, 10670), (352, 10673), (373, 10745), (377, 10772), (379, 10778), (385, 10799), (389, 10820), (392, 10829), (411, 10877), (443, 10982), (483, 11108), (484, 11111), (496, 11162), (497, 11168), (502, 11183), (526, 11282), (532, 11303), (535, 11309), (544, 11339), (551, 11369), (560, 11399), (562, 11402), (577, 11420),

Gene: Footloose_3 Start: 2197, Stop: 3531, Start Num: 82

Candidate Starts for Footloose_3:

(Start: 35 @2122 has 23 MA's), (Start: 72 @2191 has 15 MA's), (75, 2194), (Start: 82 @2197 has 8 MA's), (Start: 89 @2212 has 214 MA's), (99, 2233), (101, 2236), (123, 2311), (151, 2383), (153, 2389), (154, 2392), (155, 2395), (162, 2416), (163, 2419), (172, 2449), (174, 2455), (178, 2464), (180, 2467), (183, 2479), (189, 2512), (200, 2557), (222, 2578), (223, 2581), (246, 2614), (251, 2626), (263, 2647), (287, 2674), (294, 2686), (337, 2746), (380, 2896), (392, 2944), (395, 2950), (415, 2980), (450, 3091), (456, 3109), (474, 3148), (480, 3187), (484, 3196), (495, 3244), (496, 3247), (515, 3301), (520, 3322), (522, 3337), (527, 3367), (530, 3376), (536, 3397), (543, 3421), (570, 3487),

Gene: ForGetIt_10 Start: 7783, Stop: 9216, Start Num: 59

Candidate Starts for ForGetIt_10:

(Start: 59 @7783 has 322 MA's), (149, 7951), (153, 7966), (155, 7972), (200, 8140), (209, 8167), (247, 8245), (299, 8326), (351, 8398), (352, 8401), (373, 8473), (379, 8506), (385, 8527), (392, 8557), (417, 8602), (483, 8818), (496, 8872), (501, 8890), (516, 8929), (544, 9046), (551, 9076), (560, 9106), (581, 9130),

Gene: ForesterFrank_14 Start: 10739, Stop: 12202, Start Num: 59

Candidate Starts for ForesterFrank_14:

(Start: 59 @10739 has 322 MA's), (101, 10799), (136, 10904), (224, 11186), (231, 11195), (350, 11366), (352, 11375), (373, 11447), (377, 11474), (379, 11480), (385, 11501), (496, 11846), (501, 11864), (502, 11867), (505, 11882), (510, 11894), (516, 11903), (544, 12020), (551, 12050), (560, 12080), (580, 12104),

Gene: Forester_7 Start: 2537, Stop: 3967, Start Num: 129

Candidate Starts for Forester_7:

(Start: 129 @2537 has 2 MA's), (165, 2636), (244, 2822), (375, 3095), (397, 3170), (428, 3230), (450, 3326), (464, 3368), (465, 3371), (478, 3413), (524, 3578), (527, 3596), (530, 3605),

Gene: Forsytheast_11 Start: 8695, Stop: 10137, Start Num: 89

Candidate Starts for Forsytheast_11:

(Start: 50 @8629 has 1 MA's), (Start: 89 @8695 has 214 MA's), (162, 8893), (224, 9106), (349, 9301), (352, 9313), (377, 9412), (398, 9484), (446, 9607), (460, 9646), (483, 9724), (485, 9730), (496, 9778), (499, 9790), (502, 9799), (525, 9889), (551, 9979), (562, 10012), (573, 10024),

Gene: FosterFrank_3 Start: 2383, Stop: 3747, Start Num: 74

Candidate Starts for FosterFrank_3:

(Start: 74 @2383 has 11 MA's), (145, 2551), (151, 2569), (163, 2605), (199, 2743), (216, 2779), (259, 2860), (275, 2890), (300, 2920), (327, 2965), (335, 2986), (347, 3019), (381, 3139), (440, 3298), (450, 3331), (471, 3385), (496, 3487), (526, 3589), (527, 3595), (589, 3739),

Gene: Francis47_12 Start: 8932, Stop: 10374, Start Num: 89

Candidate Starts for Francis47_12:

(Start: 50 @8866 has 1 MA's), (Start: 89 @8932 has 214 MA's), (162, 9130), (224, 9343), (349, 9538), (352, 9550), (377, 9649), (398, 9721), (446, 9844), (460, 9883), (483, 9961), (485, 9967), (496, 10015), (499, 10027), (502, 10036), (525, 10126), (551, 10216), (562, 10249), (573, 10261),

Gene: Frankie_4 Start: 2198, Stop: 3793, Start Num: 78

Candidate Starts for Frankie_4:

(Start: 78 @2198 has 61 MA's), (Start: 95 @2225 has 1 MA's), (99, 2237), (148, 2366), (153, 2384), (165, 2417), (185, 2486), (192, 2522), (197, 2543), (199, 2549), (208, 2573), (211, 2576), (253, 2651), (257, 2657), (268, 2684), (280, 2702), (301, 2744), (332, 2795), (338, 2813), (349, 2846), (351, 2855), (367, 2906), (370, 2915), (375, 2945), (381, 2963), (382, 2966), (388, 2996), (431, 3053), (449, 3137), (455, 3155), (464, 3182), (472, 3194), (474, 3197), (475, 3203), (476, 3218), (486, 3251), (518, 3356), (519, 3359), (533, 3431), (534, 3437), (537, 3446), (538, 3449), (540, 3455), (543, 3467), (561, 3518), (616, 3602), (622, 3617), (636, 3659), (640, 3680), (641, 3686), (642, 3689), (651, 3776),

Gene: FreakyGoo_16 Start: 6260, Stop: 7882, Start Num: 35

Candidate Starts for FreakyGoo_16:

(Start: 35 @6260 has 23 MA's), (43, 6275), (105, 6383), (110, 6401), (125, 6449), (138, 6482), (145, 6494), (153, 6518), (162, 6545), (165, 6551), (185, 6623), (186, 6629), (192, 6659), (222, 6740), (225, 6746), (228, 6749), (237, 6767), (340, 6923), (349, 6941), (352, 6953), (367, 7001), (381, 7058), (382, 7061), (405, 7130), (434, 7184), (440, 7220), (456, 7271), (458, 7274), (472, 7304), (475, 7313), (491, 7379), (492, 7382), (495, 7403), (496, 7406), (513, 7457), (533, 7544), (574, 7655), (593, 7685), (611, 7721), (614, 7727), (621, 7742), (626, 7754), (647, 7838),

Gene: Fred313_12 Start: 7896, Stop: 9362, Start Num: 59

Candidate Starts for Fred313_12:

(Start: 59 @7896 has 322 MA's), (94, 7941), (136, 8067), (165, 8136), (169, 8151), (186, 8214), (190, 8235), (193, 8247), (197, 8265), (209, 8304), (219, 8331), (347, 8520), (373, 8610), (376, 8634), (377, 8637), (379, 8643), (385, 8664), (443, 8841), (483, 8967), (484, 8970), (496, 9021), (497, 9027), (502, 9042), (510, 9072), (544, 9198), (551, 9228), (562, 9258),

Gene: Froghopper_13 Start: 8374, Stop: 9816, Start Num: 89

Candidate Starts for Froghopper_13:

(Start: 50 @8308 has 1 MA's), (Start: 89 @8374 has 214 MA's), (162, 8572), (224, 8785), (349, 8980), (352, 8992), (377, 9091), (446, 9286), (460, 9325), (483, 9403), (485, 9409), (496, 9457), (499, 9469), (502, 9478), (525, 9568), (551, 9658), (562, 9691), (573, 9703),

Gene: Fryberger_35 Start: 11260, Stop: 12666, Start Num: 82

Candidate Starts for Fryberger_35:

(Start: 82 @11260 has 8 MA's), (107, 11299), (118, 11347), (145, 11407), (185, 11533), (199, 11596), (201, 11602), (224, 11647), (297, 11782), (338, 11851), (365, 11932), (371, 11953), (375, 11980), (423, 12064), (449, 12172), (488, 12295), (494, 12325), (495, 12328), (526, 12436), (527, 12442), (537, 12472), (540, 12481), (541, 12484), (543, 12493), (573, 12565), (579, 12574), (588, 12589),

Gene: Funston_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Funston_12:

(Start: 58 @8578 has 296 MA's), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Fushigi_13 Start: 9096, Stop: 10538, Start Num: 89

Candidate Starts for Fushigi_13:

(Start: 50 @9030 has 1 MA's), (Start: 89 @9096 has 214 MA's), (162, 9294), (224, 9507), (349, 9702), (377, 9813), (446, 10008), (460, 10047), (483, 10125), (485, 10131), (496, 10179), (499, 10191), (502, 10200), (525, 10290), (551, 10380), (562, 10413), (573, 10425),

Gene: GMA4_3 Start: 2101, Stop: 3495, Start Num: 71

Candidate Starts for GMA4_3:

(Start: 71 @2101 has 5 MA's), (113, 2191), (121, 2227), (157, 2317), (162, 2332), (181, 2386), (189, 2428), (197, 2464), (198, 2467), (199, 2470), (202, 2482), (217, 2521), (226, 2545), (239, 2569), (264, 2617), (269, 2629), (291, 2668), (309, 2701), (314, 2710), (347, 2779), (349, 2785), (351, 2794), (352, 2797), (357, 2815), (376, 2890), (389, 2941), (390, 2944), (394, 2953), (467, 3133), (495, 3241), (504, 3274), (505, 3277), (518, 3304), (530, 3373), (533, 3382), (554, 3451), (568, 3478),

Gene: GMonster_11 Start: 8300, Stop: 9742, Start Num: 89

Candidate Starts for GMonster_11:

(Start: 50 @8234 has 1 MA's), (Start: 89 @8300 has 214 MA's), (162, 8498), (224, 8711), (349, 8906), (352, 8918), (377, 9017), (446, 9212), (460, 9251), (483, 9329), (485, 9335), (496, 9383), (499, 9395), (502, 9404), (516, 9437), (525, 9494), (551, 9584), (562, 9617), (573, 9629),

Gene: Gabriela_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Gabriela_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430,

3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: Gachnar_12 Start: 8715, Stop: 10157, Start Num: 89

Candidate Starts for Gachnar_12:

(Start: 50 @8649 has 1 MA's), (Start: 89 @8715 has 214 MA's), (162, 8913), (224, 9126), (349, 9321), (352, 9333), (377, 9432), (398, 9504), (446, 9627), (460, 9666), (483, 9744), (485, 9750), (496, 9798), (499, 9810), (502, 9819), (525, 9909), (551, 9999), (562, 10032), (573, 10044),

Gene: Gadost_12 Start: 8582, Stop: 10033, Start Num: 58

Candidate Starts for Gadost_12:

(Start: 58 @8582 has 296 MA's), (132, 8729), (136, 8741), (190, 8909), (197, 8939), (209, 8978), (215, 8996), (247, 9056), (344, 9185), (349, 9203), (352, 9215), (377, 9314), (379, 9320), (385, 9341), (386, 9347), (411, 9416), (435, 9476), (443, 9521), (483, 9647), (484, 9650), (496, 9701), (502, 9722), (510, 9752), (532, 9842), (544, 9878), (551, 9908), (562, 9938),

Gene: GageAP_14 Start: 9421, Stop: 10863, Start Num: 89

Candidate Starts for GageAP_14:

(Start: 50 @9355 has 1 MA's), (Start: 89 @9421 has 214 MA's), (162, 9619), (224, 9832), (349, 10027), (350, 10030), (352, 10039), (377, 10138), (446, 10333), (460, 10372), (483, 10450), (485, 10456), (496, 10504), (499, 10516), (502, 10525), (525, 10615), (551, 10705), (562, 10738), (573, 10750),

Gene: Gail_12 Start: 8302, Stop: 9762, Start Num: 59

Candidate Starts for Gail_12:

(Start: 59 @8302 has 322 MA's), (101, 8362), (136, 8467), (165, 8536), (200, 8677), (224, 8749), (279, 8842), (282, 8851), (350, 8929), (373, 9010), (377, 9037), (379, 9043), (384, 9061), (385, 9064), (389, 9085), (400, 9115), (415, 9136), (427, 9154), (440, 9217), (460, 9277), (496, 9409), (501, 9427), (510, 9457), (516, 9466), (526, 9526), (544, 9583), (551, 9613), (560, 9643), (580, 9667),

Gene: Gambol_3 Start: 2306, Stop: 3871, Start Num: 72

Candidate Starts for Gambol_3:

(Start: 72 @2306 has 15 MA's), (Start: 129 @2432 has 2 MA's), (197, 2657), (208, 2693), (228, 2702), (279, 2795), (300, 2819), (349, 2924), (460, 3257), (464, 3272), (465, 3275), (530, 3515), (608, 3689), (645, 3803), (649, 3836),

Gene: Gandalf20_13 Start: 9489, Stop: 10931, Start Num: 89

Candidate Starts for Gandalf20_13:

(Start: 50 @9423 has 1 MA's), (Start: 89 @9489 has 214 MA's), (162, 9687), (224, 9900), (349, 10095), (350, 10098), (377, 10206), (446, 10401), (460, 10440), (483, 10518), (485, 10524), (496, 10572), (499, 10584), (502, 10593), (525, 10683), (551, 10773), (562, 10806), (573, 10818),

Gene: Ganymede_9 Start: 3046, Stop: 4599, Start Num: 32

Candidate Starts for Ganymede_9:

(22, 2944), (Start: 29 @3031 has 30 MA's), (Start: 32 @3046 has 139 MA's), (96, 3145), (99, 3154), (125, 3226), (Start: 129 @3235 has 2 MA's), (136, 3259), (150, 3292), (153, 3301), (165, 3334), (185, 3403), (189, 3424), (199, 3466), (231, 3532), (238, 3547), (278, 3622), (289, 3643), (321, 3697), (362, 3817), (373, 3850), (375, 3871), (382, 3892), (388, 3922), (423, 3955), (429, 3973), (440, 4033), (445, 4051), (449, 4063), (450, 4066), (454, 4078), (455, 4081), (474, 4117), (484, 4165), (496, 4216), (501, 4234), (526, 4330), (533, 4351), (541, 4378), (543, 4387), (553, 4423),

Gene: Garak_17 Start: 9284, Stop: 10750, Start Num: 59

Candidate Starts for Garak_17:

(Start: 59 @9284 has 322 MA's), (Start: 72 @9305 has 15 MA's), (101, 9344), (131, 9431), (133, 9443), (136, 9449), (224, 9731), (258, 9785), (358, 9944), (373, 9995), (377, 10022), (379, 10028), (385, 10049), (460, 10262), (502, 10415), (505, 10430), (510, 10442), (516, 10451), (527, 10517), (535, 10538), (544, 10568), (551, 10598), (560, 10628),

Gene: Gardann_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Gardann_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: GardenSalsa_19 Start: 6838, Stop: 8439, Start Num: 35

Candidate Starts for GardenSalsa_19:

(Start: 35 @6838 has 23 MA's), (125, 7027), (138, 7060), (145, 7072), (153, 7096), (162, 7123), (165, 7129), (185, 7201), (186, 7207), (191, 7234), (192, 7237), (225, 7300), (228, 7303), (237, 7321), (318, 7438), (349, 7495), (367, 7555), (370, 7564), (381, 7612), (382, 7615), (434, 7738), (440, 7774), (456, 7825), (458, 7828), (472, 7858), (475, 7867), (491, 7933), (492, 7936), (496, 7960), (522, 8050), (533, 8098), (574, 8209), (614, 8281),

Gene: GardenState_3 Start: 2211, Stop: 3590, Start Num: 76

Candidate Starts for GardenState_3:

(Start: 76 @2211 has 57 MA's), (Start: 129 @2331 has 2 MA's), (244, 2619), (352, 2811), (375, 2892), (465, 3168), (478, 3210), (527, 3393), (530, 3402), (533, 3411),

Gene: GaugeLDP_15 Start: 10544, Stop: 11995, Start Num: 59

Candidate Starts for GaugeLDP_15:

(Start: 59 @10544 has 322 MA's), (Start: 72 @10565 has 15 MA's), (101, 10604), (136, 10709), (224, 10991), (283, 11096), (352, 11183), (373, 11255), (377, 11282), (379, 11288), (385, 11309), (496, 11654), (502, 11675), (510, 11702), (516, 11711), (527, 11777), (544, 11828), (551, 11858), (560, 11888), (580, 11912),

Gene: Gemma_14 Start: 8726, Stop: 10180, Start Num: 58

Candidate Starts for Gemma_14:

(Start: 58 @8726 has 296 MA's), (Start: 90 @8756 has 2 MA's), (101, 8783), (136, 8888), (179, 9002), (193, 9068), (209, 9125), (247, 9203), (248, 9206), (349, 9347), (377, 9458), (379, 9464), (385, 9485), (443, 9650), (483, 9776), (496, 9830), (497, 9836), (502, 9851), (516, 9887), (535, 9974), (544, 10004), (551, 10034), (573, 10079), (581, 10088),

Gene: GenevaB15_19 Start: 6859, Stop: 8460, Start Num: 35

Candidate Starts for GenevaB15_19:

(Start: 35 @6859 has 23 MA's), (125, 7048), (145, 7093), (153, 7117), (162, 7144), (165, 7150), (185, 7222), (186, 7228), (191, 7255), (192, 7258), (225, 7321), (228, 7324), (237, 7342), (318, 7459), (349, 7516), (367, 7576), (370, 7585), (380, 7630), (381, 7633), (382, 7636), (434, 7759), (440, 7795), (456, 7846), (458, 7849), (463, 7867), (472, 7879), (475, 7888), (491, 7954), (492, 7957), (496, 7981), (522, 8071), (533, 8119), (574, 8230), (614, 8302),

Gene: Gengar_7 Start: 2791, Stop: 4326, Start Num: 32

Candidate Starts for Gengar_7:

(Start: 32 @2791 has 139 MA's), (Start: 81 @2863 has 1 MA's), (99, 2899), (105, 2908), (116, 2953), (150, 3037), (154, 3049), (165, 3079), (170, 3097), (185, 3148), (192, 3184), (199, 3211), (224, 3262),

(227, 3265), (231, 3271), (238, 3286), (240, 3289), (278, 3361), (289, 3382), (305, 3412), (331, 3457), (349, 3511), (362, 3556), (373, 3589), (375, 3610), (380, 3625), (381, 3628), (382, 3631), (423, 3694), (429, 3712), (431, 3718), (445, 3790), (449, 3802), (450, 3805), (455, 3820), (475, 3865), (476, 3880), (482, 3901), (495, 3955), (496, 3958), (501, 3976), (505, 3991), (523, 4057), (526, 4072), (533, 4093), (543, 4129), (553, 4165), (607, 4252),

Gene: George_9 Start: 7939, Stop: 9372, Start Num: 59

Candidate Starts for George_9:

(Start: 59 @7939 has 322 MA's), (142, 8095), (149, 8107), (153, 8122), (155, 8128), (200, 8296), (209, 8323), (247, 8401), (299, 8482), (351, 8554), (352, 8557), (373, 8629), (379, 8662), (385, 8683), (388, 8701), (392, 8713), (417, 8758), (483, 8974), (496, 9028), (501, 9046), (516, 9085), (544, 9202), (551, 9232), (560, 9262), (581, 9286),

Gene: Georgie2_14 Start: 9171, Stop: 10634, Start Num: 59

Candidate Starts for Georgie2_14:

(Start: 59 @9171 has 322 MA's), (101, 9231), (136, 9336), (197, 9534), (224, 9618), (247, 9651), (327, 9762), (373, 9879), (377, 9906), (379, 9912), (385, 9933), (386, 9939), (400, 9984), (446, 10107), (496, 10278), (501, 10296), (502, 10299), (510, 10326), (516, 10335), (544, 10452), (551, 10482), (560, 10512),

Gene: Geraldini_9 Start: 3049, Stop: 4605, Start Num: 32

Candidate Starts for Geraldini_9:

(22, 2947), (Start: 29 @3034 has 30 MA's), (Start: 32 @3049 has 139 MA's), (96, 3148), (99, 3157), (125, 3229), (Start: 129 @3238 has 2 MA's), (136, 3262), (145, 3280), (150, 3295), (153, 3304), (165, 3337), (185, 3406), (189, 3427), (199, 3469), (231, 3535), (278, 3625), (289, 3646), (321, 3700), (362, 3820), (373, 3853), (375, 3874), (382, 3895), (388, 3925), (423, 3958), (429, 3976), (440, 4036), (445, 4054), (449, 4066), (450, 4069), (454, 4081), (455, 4084), (474, 4120), (484, 4168), (496, 4219), (501, 4237), (526, 4333), (533, 4354), (541, 4381), (543, 4390), (553, 4426),

Gene: Ghoulboy_10 Start: 8016, Stop: 9449, Start Num: 59

Candidate Starts for Ghoulboy_10:

(Start: 59 @8016 has 322 MA's), (132, 8151), (149, 8184), (153, 8199), (155, 8205), (165, 8232), (200, 8373), (209, 8400), (247, 8478), (299, 8559), (349, 8622), (350, 8625), (351, 8631), (352, 8634), (373, 8706), (379, 8739), (385, 8760), (392, 8790), (483, 9051), (496, 9105), (501, 9123), (516, 9162), (544, 9279), (551, 9309), (573, 9354), (581, 9363),

Gene: Gilberta_13 Start: 9781, Stop: 11238, Start Num: 59

Candidate Starts for Gilberta_13:

(Start: 59 @9781 has 322 MA's), (97, 9826), (101, 9841), (136, 9946), (224, 10228), (247, 10261), (352, 10417), (373, 10489), (377, 10516), (379, 10522), (385, 10543), (400, 10594), (490, 10858), (496, 10888), (502, 10909), (505, 10924), (510, 10936), (516, 10945), (535, 11032), (544, 11062), (551, 11092), (560, 11122), (610, 11188),

Gene: GingkoMaracino_14 Start: 8540, Stop: 9994, Start Num: 58

Candidate Starts for GingkoMaracino_14:

(Start: 58 @8540 has 296 MA's), (Start: 90 @8570 has 2 MA's), (101, 8597), (136, 8702), (179, 8816), (193, 8882), (209, 8939), (247, 9017), (248, 9020), (349, 9161), (377, 9272), (379, 9278), (385, 9299), (443, 9464), (483, 9590), (496, 9644), (497, 9650), (502, 9665), (516, 9701), (535, 9788), (544, 9818), (551, 9848), (573, 9893), (581, 9902),

Gene: Giorgio_3 Start: 2308, Stop: 3876, Start Num: 73

Candidate Starts for Giorgio_3:

(Start: 73 @2308 has 17 MA's), (Start: 129 @2434 has 2 MA's), (197, 2659), (208, 2695), (228, 2704), (237, 2722), (279, 2797), (300, 2821), (349, 2926), (450, 3232), (453, 3241), (460, 3259), (464, 3274), (465, 3277), (530, 3517), (608, 3691),

Gene: Girafales_4 Start: 2197, Stop: 3618, Start Num: 78

Candidate Starts for Girafales_4:

(Start: 78 @2197 has 61 MA's), (Start: 95 @2224 has 1 MA's), (99, 2236), (148, 2365), (154, 2386), (165, 2416), (185, 2485), (189, 2506), (197, 2542), (199, 2548), (208, 2572), (211, 2575), (253, 2650), (257, 2656), (280, 2701), (301, 2743), (349, 2845), (351, 2854), (352, 2857), (355, 2866), (365, 2896), (367, 2905), (375, 2944), (381, 2962), (382, 2965), (388, 2995), (431, 3052), (439, 3091), (449, 3136), (455, 3154), (464, 3181), (472, 3193), (474, 3196), (475, 3202), (486, 3250), (519, 3358), (533, 3430), (537, 3445), (540, 3454), (541, 3457), (561, 3517), (572, 3529), (587, 3553), (600, 3577),

Gene: GirlDinner_7 Start: 3867, Stop: 5354, Start Num: 83

Candidate Starts for GirlDinner_7:

(Start: 83 @3867 has 105 MA's), (Start: 129 @3984 has 2 MA's), (165, 4083), (172, 4137), (185, 4176), (298, 4389), (370, 4557), (387, 4632), (389, 4641), (392, 4650), (399, 4668), (401, 4674), (436, 4815), (446, 4866), (448, 4872), (520, 5109), (543, 5208), (551, 5241), (559, 5262), (611, 5340),

Gene: Giroux_13 Start: 8193, Stop: 9659, Start Num: 59

Candidate Starts for Giroux_13:

(Start: 59 @8193 has 322 MA's), (136, 8364), (169, 8448), (186, 8511), (193, 8544), (197, 8562), (209, 8601), (219, 8628), (245, 8676), (347, 8817), (350, 8826), (373, 8907), (376, 8931), (377, 8934), (379, 8940), (384, 8958), (385, 8961), (386, 8967), (443, 9138), (483, 9264), (484, 9267), (496, 9318), (497, 9324), (502, 9339), (510, 9369), (544, 9495), (551, 9525), (562, 9555),

Gene: Gladiator_16 Start: 9258, Stop: 10724, Start Num: 59

Candidate Starts for Gladiator_16:

(Start: 59 @9258 has 322 MA's), (Start: 72 @9279 has 15 MA's), (101, 9318), (131, 9405), (133, 9417), (136, 9423), (224, 9705), (258, 9759), (358, 9918), (373, 9969), (377, 9996), (379, 10002), (385, 10023), (460, 10236), (502, 10389), (505, 10404), (510, 10416), (516, 10425), (527, 10491), (535, 10512), (544, 10542), (551, 10572), (560, 10602),

Gene: Glaske16_16 Start: 6259, Stop: 7881, Start Num: 35

Candidate Starts for Glaske16_16:

(Start: 35 @6259 has 23 MA's), (43, 6274), (105, 6382), (110, 6400), (125, 6448), (138, 6481), (145, 6493), (153, 6517), (162, 6544), (165, 6550), (185, 6622), (186, 6628), (192, 6658), (222, 6739), (225, 6745), (228, 6748), (237, 6766), (340, 6922), (349, 6940), (352, 6952), (367, 7000), (381, 7057), (382, 7060), (405, 7129), (434, 7183), (440, 7219), (456, 7270), (458, 7273), (472, 7303), (475, 7312), (491, 7378), (492, 7381), (495, 7402), (496, 7405), (513, 7456), (533, 7543), (574, 7654), (593, 7684), (611, 7720), (614, 7726), (621, 7741), (626, 7753), (647, 7837),

Gene: Globfish_4 Start: 2275, Stop: 3612, Start Num: 88

Candidate Starts for Globfish_4:

(27, 2152), (28, 2155), (41, 2197), (47, 2209), (Start: 80 @2263 has 4 MA's), (Start: 88 @2275 has 31 MA's), (108, 2323), (130, 2386), (132, 2398), (216, 2656), (247, 2713), (279, 2776), (318, 2821), (345, 2848), (347, 2857), (355, 2884), (375, 2965), (379, 2977), (380, 2980), (386, 3004), (399, 3046), (446, 3172), (464, 3226), (483, 3289), (486, 3298), (495, 3340), (498, 3352), (512, 3391), (526, 3457), (551, 3538), (556, 3547), (585, 3598),

Gene: GlobiWarming_3 Start: 2383, Stop: 3741, Start Num: 74

Candidate Starts for GlobiWarming_3:

(Start: 74 @2383 has 11 MA's), (145, 2551), (151, 2569), (163, 2605), (216, 2779), (259, 2860), (275, 2890), (327, 2965), (352, 3034), (376, 3124), (381, 3139), (450, 3331), (471, 3385), (501, 3505), (526, 3589), (527, 3595), (564, 3709), (585, 3733),

Gene: Goby_7 Start: 4056, Stop: 5492, Start Num: 83

Candidate Starts for Goby_7:

(Start: 72 @4050 has 15 MA's), (Start: 83 @4056 has 105 MA's), (96, 4080), (106, 4104), (Start: 129 @4173 has 2 MA's), (148, 4221), (165, 4272), (225, 4455), (269, 4539), (298, 4581), (366, 4737), (370, 4749), (392, 4842), (426, 4920), (436, 4965), (448, 5022), (513, 5235), (520, 5259), (611, 5478),

Gene: Godpower_8 Start: 4059, Stop: 5495, Start Num: 83

Candidate Starts for Godpower_8:

(Start: 72 @4053 has 15 MA's), (Start: 83 @4059 has 105 MA's), (96, 4083), (106, 4107), (Start: 129 @4176 has 2 MA's), (148, 4224), (165, 4275), (225, 4458), (269, 4542), (298, 4584), (366, 4740), (370, 4752), (392, 4845), (426, 4923), (436, 4968), (448, 5025), (456, 5049), (513, 5238), (520, 5262), (611, 5481),

Gene: Gollum_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for Gollum_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Gompeii16_12 Start: 8892, Stop: 10334, Start Num: 89

Candidate Starts for Gompeii16_12:

(Start: 50 @8826 has 1 MA's), (Start: 89 @8892 has 214 MA's), (162, 9090), (224, 9303), (349, 9498), (352, 9510), (377, 9609), (446, 9804), (460, 9843), (483, 9921), (485, 9927), (495, 9972), (496, 9975), (499, 9987), (502, 9996), (525, 10086), (551, 10176), (562, 10209), (573, 10221),

Gene: Goose_12 Start: 8377, Stop: 9819, Start Num: 58

Candidate Starts for Goose_12:

(Start: 58 @8377 has 296 MA's), (136, 8536), (165, 8605), (186, 8683), (193, 8716), (197, 8734), (208, 8773), (210, 8776), (299, 8935), (347, 8992), (352, 9010), (377, 9109), (379, 9115), (385, 9136), (386, 9142), (443, 9316), (483, 9442), (484, 9445), (496, 9496), (497, 9502), (502, 9517), (510, 9547), (516, 9556), (532, 9637), (544, 9673), (551, 9703), (577, 9754),

Gene: Gorpy_4 Start: 2275, Stop: 3606, Start Num: 88

Candidate Starts for Gorpy_4:

(Start: 80 @2263 has 4 MA's), (Start: 88 @2275 has 31 MA's), (94, 2284), (130, 2386), (132, 2398), (182, 2539), (190, 2584), (194, 2599), (199, 2620), (219, 2656), (224, 2674), (271, 2755), (300, 2800), (355, 2878), (375, 2959), (379, 2971), (380, 2974), (386, 2998), (399, 3040), (441, 3151), (446, 3166), (457, 3196), (486, 3292), (551, 3532), (552, 3535), (556, 3541), (585, 3592),

Gene: Graduation_14 Start: 9454, Stop: 10896, Start Num: 89

Candidate Starts for Graduation_14:

(Start: 50 @9388 has 1 MA's), (Start: 89 @9454 has 214 MA's), (162, 9652), (224, 9865), (349, 10060), (352, 10072), (377, 10171), (398, 10243), (446, 10366), (460, 10405), (483, 10483), (485, 10489), (496, 10537), (499, 10549), (502, 10558), (525, 10648), (551, 10738), (562, 10771), (573, 10783),

Gene: Gratitude_14 Start: 9710, Stop: 11170, Start Num: 59

Candidate Starts for Gratitude_14:

(Start: 59 @9710 has 322 MA's), (101, 9770), (132, 9863), (136, 9875), (224, 10157), (247, 10190), (350, 10337), (352, 10346), (373, 10418), (377, 10445), (379, 10451), (385, 10472), (464, 10700), (496, 10817), (502, 10838), (510, 10865), (516, 10874), (544, 10991), (551, 11021), (560, 11051), (580, 11075),

Gene: GrecoEtereo_13 Start: 8992, Stop: 10434, Start Num: 89

Candidate Starts for GrecoEtereo_13:

(Start: 50 @8926 has 1 MA's), (Start: 89 @8992 has 214 MA's), (162, 9190), (224, 9403), (349, 9598), (352, 9610), (377, 9709), (446, 9904), (460, 9943), (483, 10021), (485, 10027), (496, 10075), (499, 10087), (502, 10096), (525, 10186), (551, 10276), (562, 10309), (573, 10321),

Gene: GreedyLawyer_16 Start: 9284, Stop: 10747, Start Num: 59

Candidate Starts for GreedyLawyer_16:

(Start: 59 @9284 has 322 MA's), (Start: 72 @9305 has 15 MA's), (101, 9344), (131, 9431), (133, 9443), (136, 9449), (224, 9731), (358, 9944), (373, 9995), (377, 10022), (379, 10028), (385, 10049), (502, 10415), (510, 10442), (516, 10451), (526, 10511), (544, 10568), (551, 10598), (560, 10628), (582, 10655),

Gene: GreenWeasel_9 Start: 4105, Stop: 5589, Start Num: 83

Candidate Starts for GreenWeasel_9:

(Start: 83 @4105 has 105 MA's), (Start: 129 @4222 has 2 MA's), (148, 4270), (200, 4477), (208, 4501), (264, 4576), (269, 4588), (272, 4591), (288, 4612), (298, 4630), (312, 4657), (334, 4690), (346, 4711), (347, 4720), (370, 4795), (376, 4828), (379, 4837), (381, 4843), (387, 4870), (392, 4888), (397, 4900), (399, 4906), (432, 5032), (436, 5053), (446, 5104), (448, 5110), (495, 5269), (518, 5332), (520, 5347), (541, 5437), (551, 5479), (599, 5551),

Gene: Greg_14 Start: 9005, Stop: 10447, Start Num: 89

Candidate Starts for Greg_14:

(Start: 50 @8939 has 1 MA's), (Start: 89 @9005 has 214 MA's), (162, 9203), (224, 9416), (349, 9611), (377, 9722), (446, 9917), (460, 9956), (483, 10034), (485, 10040), (496, 10088), (499, 10100), (502, 10109), (525, 10199), (551, 10289), (562, 10322), (573, 10334),

Gene: Gretchen_3 Start: 2531, Stop: 3961, Start Num: 129

Candidate Starts for Gretchen_3:

(Start: 129 @2531 has 2 MA's), (165, 2630), (244, 2816), (375, 3089), (397, 3164), (428, 3224), (450, 3320), (464, 3362), (465, 3365), (478, 3407), (524, 3572), (527, 3590), (530, 3599),

Gene: Grif_14 Start: 8737, Stop: 10191, Start Num: 58

Candidate Starts for Grif_14:

(Start: 58 @8737 has 296 MA's), (Start: 90 @8767 has 2 MA's), (101, 8794), (136, 8899), (179, 9013), (193, 9079), (209, 9136), (247, 9214), (248, 9217), (349, 9358), (377, 9469), (379, 9475), (385, 9496), (443, 9661), (483, 9787), (496, 9841), (497, 9847), (502, 9862), (516, 9898), (535, 9985), (544, 10015), (551, 10045), (573, 10090), (581, 10099),

Gene: GroundGoblin_13 Start: 9244, Stop: 10686, Start Num: 89

Candidate Starts for GroundGoblin_13:

(Start: 50 @9178 has 1 MA's), (Start: 89 @9244 has 214 MA's), (162, 9442), (224, 9655), (349, 9850), (352, 9862), (377, 9961), (446, 10156), (460, 10195), (483, 10273), (485, 10279), (496, 10327), (499, 10339), (502, 10348), (525, 10438), (551, 10528), (562, 10561), (573, 10573),

Gene: Groundhog_9 Start: 7424, Stop: 8854, Start Num: 59

Candidate Starts for Groundhog_9:

(Start: 59 @7424 has 322 MA's), (135, 7574), (186, 7721), (224, 7856), (299, 7967), (349, 8030), (362, 8075), (377, 8141), (385, 8168), (398, 8213), (443, 8333), (476, 8435), (496, 8513), (497, 8519), (516, 8570), (544, 8687), (551, 8717), (581, 8771),

Gene: Groupthink_15 Start: 8726, Stop: 10180, Start Num: 58

Candidate Starts for Groupthink_15:

(Start: 58 @8726 has 296 MA's), (Start: 90 @8756 has 2 MA's), (101, 8783), (136, 8888), (179, 9002), (193, 9068), (209, 9125), (247, 9203), (248, 9206), (349, 9347), (377, 9458), (379, 9464), (385, 9485), (443, 9650), (483, 9776), (496, 9830), (497, 9836), (502, 9851), (516, 9887), (535, 9974), (544, 10004), (551, 10034), (573, 10079), (581, 10088),

Gene: Grub_14 Start: 8646, Stop: 10100, Start Num: 58

Candidate Starts for Grub_14:

(Start: 58 @8646 has 296 MA's), (Start: 90 @8676 has 2 MA's), (101, 8703), (136, 8808), (179, 8922), (193, 8988), (209, 9045), (247, 9123), (248, 9126), (349, 9267), (377, 9378), (379, 9384), (385, 9405), (443, 9570), (483, 9696), (496, 9750), (497, 9756), (502, 9771), (516, 9807), (535, 9894), (544, 9924), (551, 9954), (573, 9999), (581, 10008),

Gene: Grum1_14 Start: 8647, Stop: 10101, Start Num: 58

Candidate Starts for Grum1_14:

(Start: 58 @8647 has 296 MA's), (Start: 90 @8677 has 2 MA's), (101, 8704), (136, 8809), (179, 8923), (193, 8989), (209, 9046), (247, 9124), (248, 9127), (349, 9268), (377, 9379), (379, 9385), (385, 9406), (443, 9571), (483, 9697), (496, 9751), (497, 9757), (502, 9772), (516, 9808), (535, 9895), (544, 9925), (551, 9955), (573, 10000), (581, 10009),

Gene: Gruunaga_16 Start: 9258, Stop: 10724, Start Num: 59

Candidate Starts for Gruunaga_16:

(Start: 59 @9258 has 322 MA's), (Start: 72 @9279 has 15 MA's), (101, 9318), (131, 9405), (133, 9417), (136, 9423), (224, 9705), (258, 9759), (358, 9918), (373, 9969), (377, 9996), (379, 10002), (385, 10023), (460, 10236), (502, 10389), (505, 10404), (510, 10416), (516, 10425), (527, 10491), (535, 10512), (544, 10542), (551, 10572), (560, 10602),

Gene: GtownJaz_14 Start: 8655, Stop: 10109, Start Num: 58

Candidate Starts for GtownJaz_14:

(Start: 58 @8655 has 296 MA's), (Start: 90 @8685 has 2 MA's), (101, 8712), (136, 8817), (179, 8931), (193, 8997), (209, 9054), (247, 9132), (248, 9135), (349, 9276), (377, 9387), (379, 9393), (385, 9414), (443, 9579), (483, 9705), (496, 9759), (497, 9765), (502, 9780), (516, 9816), (535, 9903), (544, 9933), (551, 9963), (573, 10008), (581, 10017),

Gene: Guanica15_9 Start: 3023, Stop: 4576, Start Num: 32

Candidate Starts for Guanica15_9:

(Start: 29 @3008 has 30 MA's), (Start: 32 @3023 has 139 MA's), (96, 3116), (99, 3125), (111, 3155), (136, 3230), (150, 3263), (153, 3272), (185, 3374), (189, 3395), (192, 3410), (197, 3431), (199, 3437), (238, 3515), (260, 3554), (289, 3611), (362, 3785), (375, 3839), (382, 3860), (388, 3890), (423, 3923), (445, 4019), (449, 4031), (450, 4034), (454, 4046), (455, 4049), (460, 4061), (469, 4082), (474, 4085), (501, 4202), (525, 4295), (533, 4319), (540, 4343), (541, 4346), (543, 4355), (576, 4430), (607, 4478),

Gene: Guey18_40 Start: 12453, Stop: 13859, Start Num: 82

Candidate Starts for Guey18_40:

(Start: 82 @12453 has 8 MA's), (107, 12492), (118, 12540), (145, 12600), (185, 12726), (199, 12789), (201, 12795), (224, 12840), (297, 12975), (338, 13044), (365, 13125), (371, 13146), (375, 13173), (423, 13257), (449, 13365), (488, 13488), (494, 13518), (495, 13521), (518, 13575), (524, 13617), (526, 13629), (527, 13635), (543, 13686), (573, 13758), (579, 13767), (588, 13782),

Gene: Guillsminger_7 Start: 2766, Stop: 4301, Start Num: 32

Candidate Starts for Guillsminger_7:

(Start: 32 @2766 has 139 MA's), (Start: 81 @2838 has 1 MA's), (99, 2874), (105, 2883), (116, 2928), (150, 3012), (154, 3024), (165, 3054), (170, 3072), (185, 3123), (192, 3159), (199, 3186), (224, 3237), (227, 3240), (231, 3246), (238, 3261), (240, 3264), (278, 3336), (289, 3357), (305, 3387), (331, 3432), (349, 3486), (362, 3531), (373, 3564), (375, 3585), (380, 3600), (381, 3603), (382, 3606), (423, 3669), (429, 3687), (431, 3693), (445, 3765), (449, 3777), (450, 3780), (455, 3795), (475, 3840), (476, 3855), (482, 3876), (495, 3930), (496, 3933), (501, 3951), (505, 3966), (523, 4032), (526, 4047), (533, 4068), (543, 4104), (553, 4140), (607, 4227),

Gene: GumGum_4 Start: 2278, Stop: 3615, Start Num: 88

Candidate Starts for GumGum_4:

(27, 2155), (28, 2158), (38, 2197), (42, 2206), (67, 2251), (Start: 80 @2266 has 4 MA's), (Start: 88 @2278 has 31 MA's), (106, 2320), (126, 2380), (130, 2389), (132, 2401), (165, 2488), (219, 2665), (224, 2683), (247, 2716), (349, 2866), (350, 2869), (355, 2887), (375, 2968), (379, 2980), (380, 2983), (386, 3007), (399, 3049), (446, 3175), (459, 3208), (486, 3301), (492, 3322), (498, 3355), (499, 3358), (522, 3436), (526, 3460), (528, 3469), (551, 3541), (556, 3550), (585, 3601),

Gene: Gumpizza_3 Start: 2307, Stop: 3875, Start Num: 73

Candidate Starts for Gumpizza_3:

(Start: 73 @2307 has 17 MA's), (Start: 129 @2433 has 2 MA's), (197, 2658), (208, 2694), (228, 2703), (237, 2721), (279, 2796), (300, 2820), (349, 2925), (453, 3240), (460, 3258), (464, 3273), (465, 3276), (530, 3516), (608, 3690), (645, 3804),

Gene: GuuelaD_5 Start: 2644, Stop: 4299, Start Num: 61

Candidate Starts for GuuelaD_5:

(Start: 61 @2644 has 69 MA's), (101, 2707), (107, 2722), (112, 2740), (127, 2785), (151, 2845), (162, 2878), (185, 2956), (199, 3019), (234, 3070), (244, 3088), (291, 3163), (322, 3202), (347, 3259), (349, 3265), (352, 3277), (355, 3286), (356, 3292), (357, 3295), (365, 3316), (371, 3337), (373, 3343), (381, 3382), (420, 3478), (430, 3505), (460, 3613), (461, 3619), (490, 3712), (495, 3739), (501, 3760), (518, 3802), (521, 3823), (524, 3844), (530, 3871), (533, 3880), (549, 3940), (557, 3970), (564, 3979), (626, 4087), (637, 4120), (644, 4159), (653, 4264),

Gene: Gwendoluna_14 Start: 9873, Stop: 11315, Start Num: 89

Candidate Starts for Gwendoluna_14:

(Start: 50 @9807 has 1 MA's), (Start: 89 @9873 has 214 MA's), (162, 10071), (224, 10284), (349, 10479), (352, 10491), (377, 10590), (446, 10785), (460, 10824), (483, 10902), (485, 10908), (496, 10956), (499, 10968), (502, 10977), (525, 11067), (551, 11157), (562, 11190), (573, 11202),

Gene: Gwennie_13 Start: 8654, Stop: 10108, Start Num: 58

Candidate Starts for Gwennie_13:

(Start: 58 @8654 has 296 MA's), (Start: 90 @8684 has 2 MA's), (101, 8711), (136, 8816), (179, 8930), (193, 8996), (209, 9053), (247, 9131), (248, 9134), (349, 9275), (377, 9386), (379, 9392), (385, 9413), (443, 9578), (483, 9704), (496, 9758), (497, 9764), (502, 9779), (516, 9815), (535, 9902), (544, 9932), (551, 9962), (573, 10007), (581, 10016),

Gene: Gyzlar_14 Start: 9635, Stop: 11077, Start Num: 89

Candidate Starts for Gyzlar_14:

(Start: 50 @9569 has 1 MA's), (Start: 89 @9635 has 214 MA's), (162, 9833), (224, 10046), (349, 10241), (377, 10352), (446, 10547), (460, 10586), (483, 10664), (485, 10670), (496, 10718), (499, 10730), (502, 10739), (525, 10829), (551, 10919), (562, 10952), (573, 10964),

Gene: HINdeR_12 Start: 9860, Stop: 11317, Start Num: 58

Candidate Starts for HINdeR_12:

(Start: 58 @9860 has 296 MA's), (101, 9920), (132, 10013), (136, 10025), (144, 10037), (179, 10139), (197, 10223), (204, 10250), (215, 10280), (349, 10484), (352, 10496), (359, 10520), (373, 10568), (377, 10595), (379, 10601), (385, 10622), (386, 10628), (389, 10643), (392, 10652), (432, 10736), (443, 10799), (464, 10862), (483, 10925), (484, 10928), (496, 10979), (497, 10985), (502, 11000), (516, 11036), (532, 11117), (544, 11153), (551, 11183),

Gene: Hafay_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Hafay_5:

(Start: 61 @2638 has 69 MA's), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: Haizum_7 Start: 3857, Stop: 5332, Start Num: 83

Candidate Starts for Haizum_7:

(Start: 83 @3857 has 105 MA's), (Start: 129 @3974 has 2 MA's), (165, 4073), (185, 4166), (246, 4289), (334, 4439), (370, 4544), (387, 4619), (392, 4637), (397, 4649), (399, 4655), (436, 4802), (446, 4853), (448, 4859), (464, 4907), (501, 5039), (520, 5096), (541, 5186), (611, 5318),

Gene: Halena_5 Start: 2625, Stop: 4298, Start Num: 61

Candidate Starts for Halena_5:

(Start: 61 @2625 has 69 MA's), (101, 2688), (127, 2766), (154, 2835), (162, 2859), (185, 2937), (192, 2973), (241, 3066), (244, 3069), (291, 3144), (322, 3183), (349, 3246), (356, 3273), (357, 3276), (365, 3297), (371, 3318), (380, 3360), (381, 3363), (424, 3465), (428, 3480), (430, 3486), (450, 3567), (460, 3594), (461, 3600), (490, 3693), (495, 3720), (497, 3729), (518, 3783), (521, 3804), (524, 3825), (530, 3852), (533, 3861), (549, 3921), (557, 3951), (564, 3960), (626, 4068), (653, 4263),

Gene: Halsey_3 Start: 2307, Stop: 3875, Start Num: 73

Candidate Starts for Halsey_3:

(Start: 73 @2307 has 17 MA's), (Start: 129 @2433 has 2 MA's), (197, 2658), (208, 2694), (228, 2703), (237, 2721), (300, 2820), (349, 2925), (450, 3231), (453, 3240), (460, 3258), (464, 3273), (465, 3276), (530, 3516), (608, 3690),

Gene: HamSlice_11 Start: 8579, Stop: 10030, Start Num: 58

Candidate Starts for HamSlice_11:

(Start: 58 @8579 has 296 MA's), (132, 8726), (136, 8738), (190, 8906), (197, 8936), (209, 8975), (215, 8993), (247, 9053), (344, 9182), (349, 9200), (352, 9212), (377, 9311), (379, 9317), (385, 9338), (386, 9344), (411, 9413), (435, 9473), (443, 9518), (483, 9644), (484, 9647), (496, 9698), (497, 9704), (502, 9719), (510, 9749), (532, 9839), (544, 9875), (546, 9887), (551, 9905), (562, 9935),

Gene: Hami1_14 Start: 9076, Stop: 10518, Start Num: 89

Candidate Starts for Hami1_14:

(Start: 50 @9010 has 1 MA's), (Start: 89 @9076 has 214 MA's), (162, 9274), (224, 9487), (349, 9682), (352, 9694), (377, 9793), (398, 9865), (446, 9988), (460, 10027), (483, 10105), (485, 10111), (496, 10159), (499, 10171), (502, 10180), (525, 10270), (551, 10360), (562, 10393), (573, 10405),

Gene: Hammer_16 Start: 9258, Stop: 10724, Start Num: 59

Candidate Starts for Hammer_16:

(Start: 59 @9258 has 322 MA's), (Start: 72 @9279 has 15 MA's), (101, 9318), (131, 9405), (133, 9417), (136, 9423), (224, 9705), (258, 9759), (358, 9918), (373, 9969), (377, 9996), (379, 10002), (385, 10023), (460, 10236), (502, 10389), (505, 10404), (510, 10416), (516, 10425), (527, 10491), (535, 10512), (544, 10542), (551, 10572), (560, 10602),

Gene: Hammy_8 Start: 2820, Stop: 4373, Start Num: 32

Candidate Starts for Hammy_8:

(8, 2265), (11, 2406), (22, 2715), (Start: 29 @2805 has 30 MA's), (Start: 32 @2820 has 139 MA's), (96, 2919), (99, 2928), (104, 2934), (Start: 129 @3009 has 2 MA's), (136, 3033), (150, 3066), (170, 3126), (185, 3177), (189, 3198), (192, 3213), (231, 3303), (238, 3318), (278, 3393), (289, 3414), (301, 3438), (337, 3507), (352, 3555), (362, 3588), (365, 3594), (373, 3621), (375, 3642), (382, 3663), (423, 3726), (429, 3744), (445, 3822), (449, 3834), (450, 3837), (455, 3852), (464, 3879), (484, 3936), (495, 3984), (496, 3987), (501, 4005), (506, 4026), (518, 4047), (523, 4086), (526, 4101), (540, 4146), (541, 4149), (543, 4158), (553, 4194), (557, 4209),

Gene: HanShotFirst_12 Start: 8296, Stop: 9738, Start Num: 89

Candidate Starts for HanShotFirst_12:

(Start: 50 @8230 has 1 MA's), (Start: 89 @8296 has 214 MA's), (162, 8494), (224, 8707), (349, 8902), (352, 8914), (377, 9013), (398, 9085), (446, 9208), (460, 9247), (483, 9325), (485, 9331), (496, 9379), (499, 9391), (502, 9400), (516, 9433), (525, 9490), (551, 9580), (562, 9613), (573, 9625),

Gene: Hank144_8 Start: 4150, Stop: 5634, Start Num: 83

Candidate Starts for Hank144_8:

(Start: 83 @4150 has 105 MA's), (Start: 129 @4267 has 2 MA's), (148, 4315), (151, 4327), (165, 4366), (185, 4459), (272, 4633), (298, 4672), (334, 4732), (365, 4819), (366, 4825), (370, 4837), (387, 4912), (392, 4930), (397, 4942), (399, 4948), (401, 4954), (436, 5095), (446, 5146), (448, 5152), (520, 5389), (543, 5488), (551, 5521), (611, 5620),

Gene: Hanray_13 Start: 9929, Stop: 11416, Start Num: 59

Candidate Starts for Hanray_13:

(Start: 59 @9929 has 322 MA's), (101, 9992), (136, 10097), (165, 10166), (200, 10307), (213, 10346), (224, 10379), (247, 10412), (349, 10556), (373, 10640), (377, 10667), (379, 10673), (385, 10694), (392, 10724), (400, 10745), (417, 10769), (427, 10784), (496, 11039), (501, 11057), (510, 11087), (512, 11090), (516, 11096), (542, 11207), (544, 11213), (551, 11243), (573, 11288), (580, 11297),

Gene: Happiness_12 Start: 8583, Stop: 10034, Start Num: 58

Candidate Starts for Happiness_12:

(Start: 58 @8583 has 296 MA's), (132, 8730), (136, 8742), (190, 8910), (197, 8940), (209, 8979), (215, 8997), (247, 9057), (344, 9186), (349, 9204), (352, 9216), (377, 9315), (379, 9321), (385, 9342), (386, 9348), (411, 9417), (435, 9477), (483, 9648), (484, 9651), (496, 9702), (497, 9708), (502, 9723), (510, 9753), (532, 9843), (544, 9879), (546, 9891), (551, 9909), (562, 9939),

Gene: Harlequin_9 Start: 4835, Stop: 6265, Start Num: 58

Candidate Starts for Harlequin_9:

(25, 4754), (Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (208, 5222), (213, 5237), (219, 5252), (299, 5381), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: HarryHoudini_15 Start: 9724, Stop: 11184, Start Num: 59

Candidate Starts for HarryHoudini_15:

(Start: 59 @9724 has 322 MA's), (101, 9784), (132, 9877), (136, 9889), (224, 10171), (247, 10204), (350, 10351), (352, 10360), (373, 10432), (377, 10459), (379, 10465), (385, 10486), (464, 10714),

(496, 10831), (502, 10852), (510, 10879), (516, 10888), (544, 11005), (551, 11035), (560, 11065), (580, 11089),

Gene: HarryOW_13 Start: 8992, Stop: 10434, Start Num: 89

Candidate Starts for HarryOW_13:

(Start: 50 @8926 has 1 MA's), (Start: 89 @8992 has 214 MA's), (162, 9190), (224, 9403), (349, 9598), (352, 9610), (377, 9709), (446, 9904), (460, 9943), (483, 10021), (485, 10027), (496, 10075), (499, 10087), (502, 10096), (525, 10186), (551, 10276), (562, 10309), (573, 10321),

Gene: HashRod_15 Start: 8738, Stop: 10192, Start Num: 58

Candidate Starts for HashRod_15:

(Start: 58 @8738 has 296 MA's), (Start: 90 @8768 has 2 MA's), (101, 8795), (136, 8900), (179, 9014), (193, 9080), (209, 9137), (247, 9215), (248, 9218), (349, 9359), (377, 9470), (379, 9476), (385, 9497), (443, 9662), (483, 9788), (496, 9842), (497, 9848), (502, 9863), (516, 9899), (535, 9986), (544, 10016), (551, 10046), (573, 10091), (581, 10100),

Gene: HaveUMetTed_15 Start: 8726, Stop: 10180, Start Num: 58

Candidate Starts for HaveUMetTed_15:

(Start: 58 @8726 has 296 MA's), (Start: 90 @8756 has 2 MA's), (101, 8783), (136, 8888), (179, 9002), (193, 9068), (209, 9125), (247, 9203), (248, 9206), (349, 9347), (377, 9458), (379, 9464), (385, 9485), (443, 9650), (483, 9776), (496, 9830), (497, 9836), (502, 9851), (516, 9887), (535, 9974), (544, 10004), (551, 10034), (573, 10079), (581, 10088),

Gene: Heathen_12 Start: 7994, Stop: 9460, Start Num: 59

Candidate Starts for Heathen_12:

(Start: 59 @7994 has 322 MA's), (136, 8165), (169, 8249), (186, 8312), (193, 8345), (197, 8363), (209, 8402), (219, 8429), (245, 8477), (347, 8618), (350, 8627), (373, 8708), (376, 8732), (377, 8735), (379, 8741), (385, 8762), (443, 8939), (483, 9065), (484, 9068), (496, 9119), (497, 9125), (502, 9140), (510, 9170), (544, 9296), (551, 9326), (562, 9356),

Gene: HedwigODU_9 Start: 3020, Stop: 4579, Start Num: 32

Candidate Starts for HedwigODU_9:

(22, 2918), (Start: 29 @3005 has 30 MA's), (Start: 32 @3020 has 139 MA's), (96, 3122), (99, 3131), (125, 3203), (Start: 129 @3212 has 2 MA's), (136, 3236), (150, 3269), (153, 3278), (165, 3311), (170, 3329), (185, 3380), (189, 3401), (199, 3443), (231, 3509), (238, 3524), (278, 3599), (289, 3620), (321, 3674), (362, 3794), (373, 3827), (375, 3848), (382, 3869), (388, 3899), (423, 3932), (429, 3950), (445, 4028), (449, 4040), (450, 4043), (454, 4055), (455, 4058), (474, 4094), (484, 4142), (496, 4193), (501, 4211), (526, 4307), (533, 4328), (541, 4355), (543, 4364), (553, 4400),

Gene: Heffalump_15 Start: 11037, Stop: 12500, Start Num: 59

Candidate Starts for Heffalump_15:

(Start: 59 @11037 has 322 MA's), (101, 11097), (136, 11202), (224, 11484), (247, 11517), (327, 11628), (377, 11772), (379, 11778), (385, 11799), (386, 11805), (400, 11850), (453, 11994), (483, 12090), (496, 12144), (501, 12162), (502, 12165), (510, 12192), (516, 12201), (544, 12318), (547, 12333), (551, 12348), (560, 12378),

Gene: Heftyboy_7 Start: 2788, Stop: 4323, Start Num: 32

Candidate Starts for Heftyboy_7:

(Start: 32 @2788 has 139 MA's), (Start: 81 @2860 has 1 MA's), (99, 2896), (105, 2905), (116, 2950), (150, 3034), (154, 3046), (165, 3076), (170, 3094), (185, 3145), (192, 3181), (199, 3208), (224, 3259), (227, 3262), (231, 3268), (238, 3283), (240, 3286), (278, 3358), (289, 3379), (305, 3409), (331, 3454), (349, 3508), (362, 3553), (373, 3586), (375, 3607), (380, 3622), (381, 3625), (382, 3628), (423, 3691), (429, 3709), (431, 3715), (445, 3787), (449, 3799), (450, 3802), (455, 3817), (475, 3862), (476, 3877),

(482, 3898), (495, 3952), (496, 3955), (501, 3973), (505, 3988), (523, 4054), (526, 4069), (533, 4090), (543, 4126), (553, 4162), (607, 4249),

Gene: Hegedechwinu_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Hegedechwinu_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (301, 2745), (349, 2847), (352, 2859), (355, 2868), (365, 2898), (367, 2907), (375, 2946), (381, 2964), (382, 2967), (388, 2997), (431, 3054), (439, 3093), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: HelDan_12 Start: 8246, Stop: 9712, Start Num: 59

Candidate Starts for HelDan_12:

(Start: 59 @8246 has 322 MA's), (136, 8417), (169, 8501), (186, 8564), (193, 8597), (197, 8615), (209, 8654), (219, 8681), (245, 8729), (347, 8870), (350, 8879), (373, 8960), (376, 8984), (377, 8987), (379, 8993), (385, 9014), (386, 9020), (443, 9191), (483, 9317), (484, 9320), (496, 9371), (497, 9377), (502, 9392), (510, 9422), (544, 9548), (551, 9578), (562, 9608),

Gene: Heliosoles_14 Start: 8726, Stop: 10180, Start Num: 58

Candidate Starts for Heliosoles_14:

(Start: 58 @8726 has 296 MA's), (Start: 90 @8756 has 2 MA's), (101, 8783), (136, 8888), (179, 9002), (193, 9068), (209, 9125), (247, 9203), (248, 9206), (349, 9347), (377, 9458), (379, 9464), (385, 9485), (443, 9650), (483, 9776), (496, 9830), (497, 9836), (502, 9851), (516, 9887), (535, 9974), (544, 10004), (551, 10034), (573, 10079), (581, 10088),

Gene: Helmet_16 Start: 9284, Stop: 10750, Start Num: 59

Candidate Starts for Helmet_16:

(Start: 59 @9284 has 322 MA's), (Start: 72 @9305 has 15 MA's), (101, 9344), (131, 9431), (133, 9443), (136, 9449), (224, 9731), (258, 9785), (358, 9944), (373, 9995), (377, 10022), (379, 10028), (385, 10049), (460, 10262), (502, 10415), (505, 10430), (510, 10442), (516, 10451), (527, 10517), (535, 10538), (544, 10568), (551, 10598), (560, 10628),

Gene: Henrique_3 Start: 2383, Stop: 3747, Start Num: 74

Candidate Starts for Henrique_3:

(Start: 74 @2383 has 11 MA's), (145, 2551), (151, 2569), (163, 2605), (179, 2653), (216, 2779), (259, 2860), (275, 2890), (327, 2965), (352, 3034), (376, 3124), (381, 3139), (450, 3331), (471, 3385), (501, 3505), (526, 3589), (527, 3595), (589, 3739),

Gene: Herbertwm_11 Start: 8071, Stop: 9552, Start Num: 59

Candidate Starts for Herbertwm_11:

(Start: 59 @8071 has 322 MA's), (101, 8131), (136, 8236), (200, 8446), (224, 8518), (238, 8542), (351, 8704), (373, 8779), (377, 8806), (379, 8812), (385, 8833), (392, 8863), (400, 8884), (490, 9148), (496, 9178), (501, 9196), (510, 9226), (516, 9235), (544, 9352), (551, 9382), (560, 9412), (573, 9427), (580, 9436),

Gene: Hercules11_14 Start: 8661, Stop: 10115, Start Num: 58

Candidate Starts for Hercules11_14:

(Start: 58 @8661 has 296 MA's), (Start: 90 @8691 has 2 MA's), (101, 8718), (136, 8823), (179, 8937), (193, 9003), (209, 9060), (247, 9138), (248, 9141), (349, 9282), (377, 9393), (379, 9399), (385, 9420), (443, 9585), (483, 9711), (496, 9765), (497, 9771), (502, 9786), (516, 9822), (535, 9909), (544, 9939), (551, 9969), (573, 10014), (581, 10023),

Gene: Hermia_14 Start: 9436, Stop: 10878, Start Num: 89

Candidate Starts for Hermia_14:

(Start: 50 @9370 has 1 MA's), (Start: 89 @9436 has 214 MA's), (162, 9634), (224, 9847), (349, 10042), (352, 10054), (377, 10153), (446, 10348), (460, 10387), (483, 10465), (485, 10471), (496, 10519), (499, 10531), (502, 10540), (525, 10630), (551, 10720), (562, 10753), (573, 10765),

Gene: HermioneGrange_13 Start: 8405, Stop: 9847, Start Num: 89

Candidate Starts for HermioneGrange_13:

(Start: 50 @8339 has 1 MA's), (Start: 89 @8405 has 214 MA's), (162, 8603), (224, 8816), (349, 9011), (350, 9014), (377, 9122), (398, 9194), (446, 9317), (460, 9356), (483, 9434), (485, 9440), (496, 9488), (499, 9500), (502, 9509), (525, 9599), (551, 9689), (562, 9722), (573, 9734),

Gene: Hestia_3 Start: 2347, Stop: 3684, Start Num: 88

Candidate Starts for Hestia_3:

(67, 2320), (Start: 80 @2335 has 4 MA's), (Start: 88 @2347 has 31 MA's), (108, 2395), (130, 2458), (132, 2470), (216, 2728), (247, 2785), (271, 2833), (347, 2929), (352, 2947), (355, 2956), (375, 3037), (379, 3049), (380, 3052), (386, 3076), (399, 3118), (446, 3244), (464, 3298), (483, 3361), (486, 3370), (495, 3412), (498, 3424), (512, 3463), (522, 3505), (526, 3529), (551, 3610), (556, 3619), (585, 3670),

Gene: Hexamo_16 Start: 9239, Stop: 10705, Start Num: 59

Candidate Starts for Hexamo_16:

(Start: 59 @9239 has 322 MA's), (Start: 72 @9260 has 15 MA's), (101, 9299), (131, 9386), (133, 9398), (136, 9404), (224, 9686), (258, 9740), (358, 9899), (373, 9950), (377, 9977), (379, 9983), (385, 10004), (460, 10217), (502, 10370), (505, 10385), (510, 10397), (516, 10406), (527, 10472), (535, 10493), (544, 10523), (551, 10553), (560, 10583),

Gene: Hillester_4 Start: 2274, Stop: 3605, Start Num: 88

Candidate Starts for Hillester_4:

(Start: 80 @2262 has 4 MA's), (Start: 88 @2274 has 31 MA's), (94, 2283), (130, 2385), (132, 2397), (182, 2538), (190, 2583), (194, 2598), (199, 2619), (219, 2655), (224, 2673), (271, 2754), (300, 2799), (355, 2877), (375, 2958), (379, 2970), (380, 2973), (386, 2997), (399, 3039), (441, 3150), (446, 3165), (457, 3195), (486, 3291), (551, 3531), (552, 3534), (556, 3540), (585, 3591),

Gene: Hippo_7 Start: 4055, Stop: 5491, Start Num: 83

Candidate Starts for Hippo_7:

(Start: 72 @4049 has 15 MA's), (Start: 83 @4055 has 105 MA's), (96, 4079), (106, 4103), (Start: 129 @4172 has 2 MA's), (148, 4220), (151, 4232), (165, 4271), (200, 4424), (269, 4538), (298, 4580), (312, 4607), (334, 4640), (337, 4646), (366, 4736), (370, 4748), (387, 4823), (392, 4841), (426, 4919), (436, 4964), (448, 5021), (513, 5234), (520, 5258), (551, 5390), (590, 5456), (611, 5477),

Gene: HippoHollow_14 Start: 10976, Stop: 12436, Start Num: 59

Candidate Starts for HippoHollow_14:

(Start: 59 @10976 has 322 MA's), (101, 11036), (136, 11141), (197, 11339), (224, 11423), (247, 11456), (327, 11567), (373, 11684), (377, 11711), (379, 11717), (385, 11738), (386, 11744), (400, 11789), (496, 12083), (501, 12101), (502, 12104), (510, 12131), (516, 12140), (544, 12257), (551, 12287), (560, 12317), (580, 12341),

Gene: Hiro_9 Start: 4835, Stop: 6265, Start Num: 58

Candidate Starts for Hiro_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Holec_13 Start: 9929, Stop: 11416, Start Num: 59

Candidate Starts for Holec_13:

(Start: 59 @9929 has 322 MA's), (101, 9992), (136, 10097), (165, 10166), (200, 10307), (213, 10346), (224, 10379), (247, 10412), (349, 10556), (373, 10640), (377, 10667), (379, 10673), (385, 10694), (392, 10724), (400, 10745), (417, 10769), (427, 10784), (496, 11039), (501, 11057), (510, 11087), (512, 11090), (516, 11096), (542, 11207), (544, 11213), (551, 11243), (573, 11288), (580, 11297),

Gene: Holli_12 Start: 8371, Stop: 9822, Start Num: 58

Candidate Starts for Holli_12:

(Start: 58 @8371 has 296 MA's), (132, 8518), (136, 8530), (190, 8698), (197, 8728), (209, 8767), (215, 8785), (247, 8845), (344, 8974), (349, 8992), (377, 9103), (379, 9109), (385, 9130), (386, 9136), (411, 9205), (435, 9265), (443, 9310), (483, 9436), (484, 9439), (496, 9490), (497, 9496), (502, 9511), (510, 9541), (532, 9631), (544, 9667), (546, 9679), (551, 9697), (562, 9727),

Gene: Homines_12 Start: 8711, Stop: 10153, Start Num: 89

Candidate Starts for Homines_12:

(Start: 50 @8645 has 1 MA's), (Start: 89 @8711 has 214 MA's), (162, 8909), (224, 9122), (349, 9317), (352, 9329), (377, 9428), (446, 9623), (460, 9662), (483, 9740), (485, 9746), (496, 9794), (499, 9806), (502, 9815), (525, 9905), (551, 9995), (562, 10028), (573, 10040),

Gene: Homura_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for Homura_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: Honk_3 Start: 2397, Stop: 3779, Start Num: 76

Candidate Starts for Honk_3:

(Start: 76 @2397 has 57 MA's), (Start: 129 @2517 has 2 MA's), (154, 2586), (197, 2742), (335, 2961), (350, 3000), (367, 3051), (381, 3108), (472, 3357), (475, 3366), (518, 3513), (522, 3543), (530, 3582), (533, 3591), (541, 3618), (543, 3627),

Gene: Hookmount_13 Start: 8738, Stop: 10207, Start Num: 58

Candidate Starts for Hookmount_13:

(Start: 58 @8738 has 296 MA's), (94, 8777), (136, 8903), (169, 8987), (186, 9050), (193, 9083), (197, 9101), (209, 9140), (219, 9167), (247, 9218), (344, 9344), (347, 9356), (351, 9371), (352, 9374), (373, 9446), (377, 9473), (379, 9479), (385, 9500), (386, 9506), (392, 9530), (411, 9572), (443, 9677), (483, 9803), (484, 9806), (496, 9857), (497, 9863), (502, 9878), (510, 9908), (544, 10034), (551, 10064), (562, 10094),

Gene: Hoot_16 Start: 9263, Stop: 10726, Start Num: 59

Candidate Starts for Hoot_16:

(Start: 59 @9263 has 322 MA's), (Start: 72 @9284 has 15 MA's), (101, 9323), (131, 9410), (133, 9422), (136, 9428), (224, 9710), (358, 9923), (373, 9974), (377, 10001), (379, 10007), (385, 10028), (502, 10394), (510, 10421), (516, 10430), (526, 10490), (544, 10547), (551, 10577), (560, 10607), (582, 10634),

Gene: Hope4ever_12 Start: 8813, Stop: 10255, Start Num: 89

Candidate Starts for Hope4ever_12:

(Start: 50 @8747 has 1 MA's), (Start: 89 @8813 has 214 MA's), (162, 9011), (224, 9224), (349, 9419), (352, 9431), (377, 9530), (398, 9602), (446, 9725), (460, 9764), (483, 9842), (485, 9848), (496, 9896), (499, 9908), (502, 9917), (525, 10007), (551, 10097), (562, 10130), (573, 10142),

Gene: HortumSL17_14 Start: 9893, Stop: 11380, Start Num: 59

Candidate Starts for HortumSL17_14:

(Start: 59 @9893 has 322 MA's), (101, 9956), (136, 10061), (200, 10271), (213, 10310), (224, 10343), (247, 10376), (349, 10520), (373, 10604), (377, 10631), (379, 10637), (385, 10658), (392, 10688), (400, 10709), (417, 10733), (427, 10748), (496, 11003), (501, 11021), (510, 11051), (512, 11054), (516, 11060), (542, 11171), (544, 11177), (551, 11207), (573, 11252), (580, 11261),

Gene: HotPotato_3 Start: 2383, Stop: 3747, Start Num: 74

Candidate Starts for HotPotato_3:

(Start: 74 @2383 has 11 MA's), (145, 2551), (151, 2569), (163, 2605), (199, 2743), (216, 2779), (275, 2890), (281, 2905), (300, 2920), (327, 2965), (335, 2986), (347, 3019), (381, 3139), (440, 3298), (450, 3331), (471, 3385), (496, 3487), (526, 3589), (527, 3595), (589, 3739),

Gene: Houdini22_12 Start: 8582, Stop: 10033, Start Num: 58

Candidate Starts for Houdini22_12:

(Start: 58 @8582 has 296 MA's), (132, 8729), (136, 8741), (190, 8909), (197, 8939), (209, 8978), (215, 8996), (247, 9056), (344, 9185), (349, 9203), (352, 9215), (377, 9314), (379, 9320), (385, 9341), (386, 9347), (411, 9416), (435, 9476), (443, 9521), (483, 9647), (484, 9650), (496, 9701), (502, 9722), (510, 9752), (532, 9842), (544, 9878), (551, 9908), (562, 9938),

Gene: HuhtaEnerson15_10 Start: 7939, Stop: 9372, Start Num: 59

Candidate Starts for HuhtaEnerson15_10:

(Start: 59 @7939 has 322 MA's), (142, 8095), (149, 8107), (153, 8122), (155, 8128), (200, 8296), (209, 8323), (247, 8401), (299, 8482), (351, 8554), (352, 8557), (373, 8629), (379, 8662), (385, 8683), (388, 8701), (392, 8713), (417, 8758), (483, 8974), (496, 9028), (501, 9046), (516, 9085), (544, 9202), (551, 9232), (560, 9262), (581, 9286),

Gene: Hum25_3 Start: 2091, Stop: 3464, Start Num: 82

Candidate Starts for Hum25_3:

(Start: 82 @2091 has 8 MA's), (104, 2136), (106, 2142), (136, 2235), (147, 2250), (165, 2304), (168, 2316), (177, 2346), (179, 2349), (199, 2439), (224, 2499), (233, 2511), (279, 2595), (299, 2622), (300, 2625), (325, 2649), (352, 2700), (353, 2703), (367, 2751), (376, 2793), (379, 2802), (381, 2808), (392, 2853), (429, 2922), (452, 3015), (460, 3036), (464, 3051), (471, 3066), (484, 3117), (495, 3165), (507, 3207), (525, 3276), (527, 3285),

Gene: Hurricane_8 Start: 2929, Stop: 4494, Start Num: 32

Candidate Starts for Hurricane_8:

(24, 2896), (Start: 32 @2929 has 139 MA's), (96, 3034), (99, 3043), (107, 3058), (136, 3148), (150, 3181), (154, 3193), (165, 3223), (185, 3292), (189, 3313), (192, 3328), (199, 3355), (224, 3406), (231, 3415), (238, 3430), (260, 3469), (278, 3505), (284, 3520), (289, 3526), (294, 3535), (301, 3550), (352, 3667), (362, 3700), (365, 3706), (373, 3733), (375, 3754), (382, 3775), (423, 3838), (429, 3856), (445, 3934), (449, 3946), (450, 3949), (455, 3964), (475, 4009), (482, 4045), (484, 4051), (495, 4099), (501, 4120), (533, 4237), (541, 4264), (543, 4273), (553, 4309),

Gene: Hutc2_13 Start: 9787, Stop: 11244, Start Num: 59

Candidate Starts for Hutc2_13:

(Start: 59 @9787 has 322 MA's), (97, 9832), (101, 9847), (136, 9952), (224, 10234), (247, 10267), (352, 10423), (373, 10495), (377, 10522), (379, 10528), (385, 10549), (400, 10600), (490, 10864), (496, 10894), (502, 10915), (505, 10930), (510, 10942), (516, 10951), (535, 11038), (544, 11068),

(551, 11098), (560, 11128), (610, 11194),

Gene: Huxley_12 Start: 8642, Stop: 10093, Start Num: 58

Candidate Starts for Huxley_12:

(Start: 58 @8642 has 296 MA's), (132, 8789), (136, 8801), (190, 8969), (197, 8999), (209, 9038), (215, 9056), (247, 9116), (344, 9245), (349, 9263), (352, 9275), (377, 9374), (379, 9380), (385, 9401), (386, 9407), (411, 9476), (435, 9536), (443, 9581), (483, 9707), (484, 9710), (496, 9761), (502, 9782), (510, 9812), (532, 9902), (544, 9938), (551, 9968), (562, 9998),

Gene: Hydra_9 Start: 4618, Stop: 6060, Start Num: 83

Candidate Starts for Hydra_9:

(70, 4609), (Start: 72 @4612 has 15 MA's), (Start: 83 @4618 has 105 MA's), (Start: 129 @4735 has 2 MA's), (148, 4783), (269, 5101), (298, 5143), (312, 5170), (334, 5203), (366, 5296), (370, 5308), (392, 5401), (426, 5479), (436, 5524), (448, 5581), (456, 5605), (520, 5818), (611, 6046),

Gene: Hyperbowlee_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for Hyperbowlee_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: IAmGroot_3 Start: 2211, Stop: 3590, Start Num: 76

Candidate Starts for IAmGroot_3:

(Start: 76 @2211 has 57 MA's), (Start: 129 @2331 has 2 MA's), (244, 2619), (375, 2892), (465, 3168), (478, 3210), (527, 3393), (530, 3402), (533, 3411),

Gene: ICleared_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for ICleared_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: ILeeKay_14 Start: 8865, Stop: 10307, Start Num: 89

Candidate Starts for ILeeKay_14:

(Start: 50 @8799 has 1 MA's), (Start: 89 @8865 has 214 MA's), (162, 9063), (224, 9276), (349, 9471), (377, 9582), (398, 9654), (446, 9777), (460, 9816), (483, 9894), (485, 9900), (496, 9948), (499, 9960), (502, 9969), (525, 10059), (551, 10149), (562, 10182), (573, 10194),

Gene: IPHane7_15 Start: 6260, Stop: 7882, Start Num: 35

Candidate Starts for IPHane7_15:

(Start: 35 @6260 has 23 MA's), (43, 6275), (105, 6383), (110, 6401), (125, 6449), (138, 6482), (145, 6494), (153, 6518), (162, 6545), (165, 6551), (185, 6623), (186, 6629), (192, 6659), (222, 6740), (225, 6746), (228, 6749), (237, 6767), (340, 6923), (349, 6941), (352, 6953), (367, 7001), (381, 7058), (382, 7061), (405, 7130), (434, 7184), (440, 7220), (456, 7271), (458, 7274), (472, 7304), (475, 7313), (491, 7379), (492, 7382), (495, 7403), (496, 7406), (513, 7457), (533, 7544), (574, 7655), (593, 7685), (611, 7721), (614, 7727), (621, 7742), (626, 7754), (647, 7838),

Gene: IUFootball_3 Start: 2290, Stop: 3813, Start Num: 76

Candidate Starts for IUFootball_3:

(Start: 76 @2290 has 57 MA's), (Start: 82 @2296 has 8 MA's), (Start: 89 @2311 has 214 MA's), (115, 2374), (Start: 129 @2413 has 2 MA's), (300, 2800), (349, 2890), (376, 2986), (443, 3175), (453, 3205), (460, 3223), (474, 3253), (478, 3283), (527, 3472), (530, 3481), (612, 3652), (633, 3697), (645, 3757),

Gene: Ibantik_69 Start: 30801, Stop: 32300, Start Num: 50

Candidate Starts for Ibantik_69:

(Start: 50 @30801 has 1 MA's), (107, 30903), (113, 30924), (162, 31065), (169, 31086), (185, 31146), (219, 31245), (300, 31386), (347, 31434), (355, 31461), (361, 31479), (391, 31593), (443, 31731), (445, 31737), (448, 31746), (450, 31752), (464, 31794), (489, 31878), (496, 31911), (508, 31953), (524, 32010), (551, 32109), (613, 32226),

Gene: Iceman_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Iceman_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Ichabod_13 Start: 8717, Stop: 10159, Start Num: 89

Candidate Starts for Ichabod_13:

(Start: 50 @8651 has 1 MA's), (Start: 89 @8717 has 214 MA's), (162, 8915), (224, 9128), (349, 9323), (350, 9326), (352, 9335), (377, 9434), (446, 9629), (460, 9668), (483, 9746), (485, 9752), (496, 9800), (499, 9812), (502, 9821), (516, 9854), (525, 9911), (551, 10001), (562, 10034), (573, 10046),

Gene: Idleandcovert_12 Start: 8193, Stop: 9659, Start Num: 59

Candidate Starts for Idleandcovert_12:

(Start: 59 @8193 has 322 MA's), (136, 8364), (169, 8448), (186, 8511), (193, 8544), (197, 8562), (209, 8601), (219, 8628), (245, 8676), (347, 8817), (350, 8826), (373, 8907), (376, 8931), (377, 8934), (379, 8940), (384, 8958), (385, 8961), (386, 8967), (443, 9138), (483, 9264), (484, 9267), (496, 9318), (497, 9324), (502, 9339), (510, 9369), (544, 9495), (551, 9525), (562, 9555),

Gene: IgnatiusPatJac_11 Start: 8691, Stop: 10133, Start Num: 89

Candidate Starts for IgnatiusPatJac_11:

(Start: 50 @8625 has 1 MA's), (Start: 89 @8691 has 214 MA's), (162, 8889), (224, 9102), (349, 9297), (377, 9408), (398, 9480), (446, 9603), (460, 9642), (483, 9720), (485, 9726), (496, 9774), (499, 9786), (502, 9795), (525, 9885), (551, 9975), (562, 10008), (573, 10020),

Gene: Illumine_9 Start: 3022, Stop: 4590, Start Num: 29

Candidate Starts for Illumine_9:

(17, 2794), (20, 2908), (22, 2935), (Start: 29 @3022 has 30 MA's), (Start: 32 @3037 has 139 MA's), (96, 3139), (99, 3148), (Start: 129 @3229 has 2 MA's), (136, 3253), (153, 3295), (165, 3328), (185, 3397), (189, 3418), (199, 3460), (231, 3523), (238, 3538), (278, 3613), (289, 3634), (305, 3664), (352, 3775), (362, 3808), (373, 3841), (382, 3883), (388, 3913), (423, 3946), (429, 3964), (445, 4042), (449, 4054), (450, 4057), (454, 4069), (455, 4072), (474, 4108), (484, 4156), (501, 4225), (511, 4255), (526, 4321), (533, 4342), (541, 4369), (543, 4378), (553, 4414), (586, 4468),

Gene: Indigo_7 Start: 4081, Stop: 5523, Start Num: 83

Candidate Starts for Indigo_7:

(70, 4072), (Start: 72 @4075 has 15 MA's), (Start: 83 @4081 has 105 MA's), (Start: 129 @4198 has 2 MA's), (148, 4246), (269, 4564), (298, 4606), (312, 4633), (334, 4666), (366, 4759), (370, 4771), (392, 4864), (426, 4942), (436, 4987), (448, 5044), (456, 5068), (520, 5281), (611, 5509),

Gene: Indra_16 Start: 9284, Stop: 10750, Start Num: 59

Candidate Starts for Indra_16:

(Start: 59 @9284 has 322 MA's), (Start: 72 @9305 has 15 MA's), (101, 9344), (131, 9431), (133, 9443), (136, 9449), (224, 9731), (258, 9785), (358, 9944), (373, 9995), (377, 10022), (379, 10028), (385, 10049), (460, 10262), (502, 10415), (505, 10430), (510, 10442), (516, 10451), (527, 10517), (535, 10538), (544, 10568), (551, 10598), (560, 10628),

Gene: Inky_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for Inky_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: Insomnia_13 Start: 9836, Stop: 11293, Start Num: 59

Candidate Starts for Insomnia_13:

(Start: 59 @9836 has 322 MA's), (97, 9881), (101, 9896), (136, 10001), (224, 10283), (247, 10316), (352, 10472), (373, 10544), (377, 10571), (379, 10577), (385, 10598), (400, 10649), (490, 10913), (496, 10943), (502, 10964), (505, 10979), (510, 10991), (516, 11000), (535, 11087), (544, 11117), (551, 11147), (560, 11177), (610, 11243),

Gene: InvictusManeo_7 Start: 2770, Stop: 4308, Start Num: 32

Candidate Starts for InvictusManeo_7:

(Start: 32 @2770 has 139 MA's), (96, 2872), (99, 2881), (116, 2935), (150, 3019), (154, 3031), (165, 3061), (170, 3079), (185, 3130), (192, 3166), (198, 3190), (199, 3193), (227, 3247), (238, 3268), (278, 3343), (289, 3364), (305, 3394), (331, 3439), (349, 3493), (362, 3538), (373, 3571), (380, 3607), (382, 3613), (423, 3676), (429, 3694), (445, 3772), (449, 3784), (450, 3787), (455, 3802), (475, 3847), (476, 3862), (482, 3883), (484, 3889), (495, 3937), (496, 3940), (501, 3958), (505, 3973), (523, 4039), (526, 4054), (533, 4075), (543, 4111), (553, 4147), (607, 4234),

Gene: Inyanga_11 Start: 8480, Stop: 9922, Start Num: 89

Candidate Starts for Inyanga_11:

(Start: 50 @8414 has 1 MA's), (Start: 89 @8480 has 214 MA's), (162, 8678), (224, 8891), (349, 9086), (352, 9098), (377, 9197), (446, 9392), (460, 9431), (483, 9509), (485, 9515), (496, 9563), (499, 9575), (502, 9584), (525, 9674), (551, 9764), (562, 9797), (573, 9809),

Gene: Iqorha_11 Start: 8480, Stop: 9922, Start Num: 89

Candidate Starts for Iqorha_11:

(Start: 50 @8414 has 1 MA's), (Start: 89 @8480 has 214 MA's), (162, 8678), (224, 8891), (349, 9086), (352, 9098), (377, 9197), (398, 9269), (446, 9392), (460, 9431), (483, 9509), (485, 9515), (496, 9563), (499, 9575), (502, 9584), (525, 9674), (551, 9764), (562, 9797), (573, 9809),

Gene: Iracema64_12 Start: 8555, Stop: 10006, Start Num: 58

Candidate Starts for Iracema64_12:

(Start: 58 @8555 has 296 MA's), (136, 8714), (190, 8882), (197, 8912), (209, 8951), (215, 8969), (247, 9029), (344, 9158), (349, 9176), (377, 9287), (379, 9293), (385, 9314), (386, 9320), (411, 9389), (435, 9449), (443, 9494), (483, 9620), (484, 9623), (496, 9674), (497, 9680), (502, 9695), (510, 9725), (532, 9815), (544, 9851), (551, 9881), (562, 9911),

Gene: IronMan_15 Start: 10935, Stop: 12389, Start Num: 59

Candidate Starts for IronMan_15:

(Start: 59 @10935 has 322 MA's), (101, 10995), (136, 11100), (179, 11214), (200, 11310), (224, 11382), (352, 11571), (373, 11643), (377, 11670), (379, 11676), (385, 11697), (400, 11748), (496, 12042), (501, 12060), (510, 12090), (516, 12099), (526, 12159), (535, 12186), (544, 12216), (551, 12246), (560, 12276), (580, 12300),

Gene: Isca_12 Start: 8065, Stop: 9531, Start Num: 59

Candidate Starts for Isca_12:

(Start: 59 @8065 has 322 MA's), (94, 8110), (136, 8236), (169, 8320), (186, 8383), (190, 8404), (193, 8416), (197, 8434), (209, 8473), (219, 8500), (347, 8689), (373, 8779), (376, 8803), (377, 8806), (379, 8812), (385, 8833), (386, 8839), (443, 9010), (483, 9136), (484, 9139), (496, 9190), (497, 9196), (502, 9211), (510, 9241), (544, 9367), (551, 9397), (562, 9427),

Gene: Isiphiwo_16 Start: 9274, Stop: 10737, Start Num: 59

Candidate Starts for Isiphiwo_16:

(Start: 59 @9274 has 322 MA's), (Start: 72 @9295 has 15 MA's), (101, 9334), (131, 9421), (133, 9433), (136, 9439), (224, 9721), (358, 9934), (373, 9985), (377, 10012), (379, 10018), (385, 10039), (502, 10405), (510, 10432), (516, 10441), (526, 10501), (544, 10558), (551, 10588), (560, 10618), (582, 10645),

Gene: Isolde_4 Start: 2274, Stop: 3611, Start Num: 88

Candidate Starts for Isolde_4:

(Start: 80 @2262 has 4 MA's), (Start: 88 @2274 has 31 MA's), (112, 2337), (130, 2385), (132, 2397), (182, 2538), (197, 2613), (224, 2679), (271, 2760), (355, 2883), (374, 2955), (375, 2964), (379, 2976), (380, 2979), (386, 3003), (399, 3045), (446, 3171), (486, 3297), (495, 3339), (498, 3351), (551, 3537), (556, 3546), (585, 3597),

Gene: Issmi_8 Start: 4133, Stop: 5614, Start Num: 83

Candidate Starts for Issmi_8:

(Start: 83 @4133 has 105 MA's), (93, 4151), (Start: 129 @4250 has 2 MA's), (148, 4298), (151, 4310), (165, 4349), (185, 4442), (199, 4499), (208, 4526), (274, 4619), (298, 4655), (312, 4682), (366, 4808), (370, 4820), (387, 4895), (392, 4913), (399, 4931), (401, 4937), (404, 4958), (418, 5021), (426, 5033), (436, 5078), (448, 5135), (495, 5294), (501, 5315), (520, 5372), (541, 5462), (543, 5471), (551, 5504), (611, 5600),

Gene: Iter_3 Start: 2280, Stop: 3656, Start Num: 76

Candidate Starts for Iter_3:

(Start: 76 @2280 has 57 MA's), (Start: 129 @2400 has 2 MA's), (165, 2499), (279, 2763), (393, 3036), (453, 3195), (474, 3243), (478, 3273), (486, 3297), (530, 3471), (575, 3591),

Gene: Itos_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Itos_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: IttyBittyPiggy_3 Start: 2272, Stop: 3651, Start Num: 73

Candidate Starts for IttyBittyPiggy_3:

(Start: 73 @2272 has 17 MA's), (Start: 129 @2392 has 2 MA's), (279, 2755), (393, 3028), (474, 3232), (478, 3262), (486, 3286), (530, 3460),

Gene: Itza_7 Start: 4278, Stop: 5753, Start Num: 83

Candidate Starts for Itza_7:

(10, 3741), (15, 3885), (Start: 83 @4278 has 105 MA's), (Start: 95 @4299 has 1 MA's), (Start: 129 @4395 has 2 MA's), (151, 4455), (185, 4587), (189, 4608), (199, 4644), (298, 4806), (323, 4848), (357, 4932), (370, 4971), (381, 5019), (387, 5046), (392, 5064), (401, 5088), (402, 5091), (404, 5109), (408, 5145), (426, 5184), (436, 5229), (448, 5286), (456, 5310), (520, 5523), (541, 5613), (551, 5655),

Gene: Iwokeuplikedis_13 Start: 8972, Stop: 10429, Start Num: 59

Candidate Starts for Iwokeuplikedis_13:

(Start: 59 @8972 has 322 MA's), (101, 9032), (133, 9131), (136, 9137), (200, 9347), (219, 9401), (224, 9419), (247, 9452), (351, 9605), (352, 9608), (373, 9680), (377, 9707), (379, 9713), (385, 9734), (400, 9785), (417, 9809), (460, 9947), (496, 10079), (501, 10097), (510, 10127), (516, 10136), (526, 10196), (544, 10253), (551, 10283), (560, 10313), (580, 10337), (595, 10358),

Gene: Izel_16 Start: 6259, Stop: 7881, Start Num: 35

Candidate Starts for Izel_16:

(Start: 35 @6259 has 23 MA's), (43, 6274), (105, 6382), (110, 6400), (125, 6448), (138, 6481), (145, 6493), (153, 6517), (162, 6544), (165, 6550), (185, 6622), (186, 6628), (192, 6658), (222, 6739), (225, 6745), (228, 6748), (237, 6766), (340, 6922), (349, 6940), (352, 6952), (367, 7000), (381, 7057), (382, 7060), (405, 7129), (434, 7183), (440, 7219), (456, 7270), (458, 7273), (472, 7303), (475, 7312), (491, 7378), (492, 7381), (495, 7402), (496, 7405), (513, 7456), (533, 7543), (574, 7654), (593, 7684), (611, 7720), (614, 7726), (621, 7741), (626, 7753), (647, 7837),

Gene: Izzy_8 Start: 4288, Stop: 5730, Start Num: 83

Candidate Starts for Izzy_8:

(70, 4279), (Start: 72 @4282 has 15 MA's), (Start: 83 @4288 has 105 MA's), (Start: 129 @4405 has 2 MA's), (148, 4453), (155, 4477), (269, 4771), (298, 4813), (312, 4840), (366, 4966), (370, 4978), (392, 5071), (426, 5149), (436, 5194), (448, 5251), (456, 5275), (520, 5488), (611, 5716),

Gene: JAWS_9 Start: 3020, Stop: 4576, Start Num: 32

Candidate Starts for JAWS_9:

(22, 2918), (Start: 29 @3005 has 30 MA's), (Start: 32 @3020 has 139 MA's), (96, 3119), (99, 3128), (125, 3200), (Start: 129 @3209 has 2 MA's), (136, 3233), (150, 3266), (153, 3275), (165, 3308), (170, 3326), (185, 3377), (189, 3398), (199, 3440), (231, 3506), (238, 3521), (278, 3596), (289, 3617), (321, 3671), (362, 3791), (373, 3824), (375, 3845), (382, 3866), (388, 3896), (423, 3929), (429, 3947), (445, 4025), (449, 4037), (450, 4040), (454, 4052), (455, 4055), (474, 4091), (484, 4139), (496, 4190), (501, 4208), (526, 4304), (533, 4325), (541, 4352), (543, 4361), (553, 4397),

Gene: JC27_14 Start: 9317, Stop: 10759, Start Num: 89

Candidate Starts for JC27_14:

(Start: 50 @9251 has 1 MA's), (Start: 89 @9317 has 214 MA's), (162, 9515), (224, 9728), (349, 9923), (377, 10034), (398, 10106), (446, 10229), (460, 10268), (483, 10346), (485, 10352), (496, 10400), (499, 10412), (502, 10421), (525, 10511), (551, 10601), (562, 10634), (573, 10646),

Gene: JF1_10 Start: 3907, Stop: 5508, Start Num: 29

Candidate Starts for JF1_10:

(Start: 29 @3907 has 30 MA's), (Start: 30 @3922 has 28 MA's), (Start: 39 @3946 has 1 MA's), (Start: 81 @4012 has 1 MA's), (105, 4057), (Start: 129 @4129 has 2 MA's), (150, 4186), (153, 4195), (154, 4198), (165, 4228), (185, 4297), (189, 4318), (192, 4333), (197, 4354), (199, 4360), (208, 4384), (231, 4420), (238, 4435), (260, 4474), (333, 4609), (337, 4618), (345, 4636), (351, 4663), (352, 4666), (362, 4699), (373, 4732), (375, 4753), (382, 4774), (423, 4837), (431, 4861), (436, 4885), (445, 4933), (449, 4945), (453, 4957), (455, 4963), (472, 5002), (499, 5116), (501, 5122), (533, 5293), (541, 5320), (543, 5329), (567, 5392), (576, 5404),

Gene: JF2_12 Start: 7830, Stop: 9296, Start Num: 59

Candidate Starts for JF2_12:

(Start: 59 @7830 has 322 MA's), (94, 7875), (136, 8001), (169, 8085), (186, 8148), (193, 8181), (197, 8199), (209, 8238), (219, 8265), (347, 8454), (373, 8544), (376, 8568), (377, 8571), (379, 8577), (385, 8598), (386, 8604), (443, 8775), (483, 8901), (484, 8904), (496, 8955), (497, 8961), (502, 8976), (510, 9006), (544, 9132), (551, 9162), (562, 9192),

Gene: JF4_12 Start: 7830, Stop: 9296, Start Num: 59

Candidate Starts for JF4_12:

(Start: 59 @7830 has 322 MA's), (94, 7875), (136, 8001), (169, 8085), (186, 8148), (193, 8181), (197, 8199), (209, 8238), (219, 8265), (347, 8454), (373, 8544), (376, 8568), (377, 8571), (379, 8577), (385, 8598), (386, 8604), (443, 8775), (483, 8901), (484, 8904), (496, 8955), (497, 8961), (502, 8976), (510, 9006), (544, 9132), (551, 9162), (562, 9192),

Gene: JHC117_14 Start: 8652, Stop: 10106, Start Num: 58

Candidate Starts for JHC117_14:

(Start: 58 @8652 has 296 MA's), (Start: 90 @8682 has 2 MA's), (101, 8709), (136, 8814), (179, 8928), (193, 8994), (209, 9051), (247, 9129), (248, 9132), (349, 9273), (377, 9384), (379, 9390), (385, 9411), (443, 9576), (483, 9702), (496, 9756), (497, 9762), (502, 9777), (516, 9813), (535, 9900), (544, 9930), (551, 9960), (573, 10005), (581, 10014),

Gene: JSwag_15 Start: 8373, Stop: 9833, Start Num: 59

Candidate Starts for JSwag_15:

(Start: 59 @8373 has 322 MA's), (101, 8433), (136, 8538), (213, 8787), (224, 8820), (247, 8853), (373, 9084), (377, 9111), (379, 9117), (385, 9138), (389, 9159), (400, 9189), (417, 9213), (443, 9303), (453, 9333), (483, 9429), (491, 9456), (496, 9483), (501, 9501), (502, 9504), (510, 9537), (516, 9546), (544, 9663), (551, 9693), (580, 9747),

Gene: Jaan_16 Start: 11325, Stop: 12779, Start Num: 59

Candidate Starts for Jaan_16:

(Start: 59 @11325 has 322 MA's), (101, 11385), (136, 11490), (179, 11604), (200, 11700), (224, 11772), (373, 12033), (377, 12060), (379, 12066), (385, 12087), (400, 12138), (496, 12432), (501, 12450), (510, 12480), (516, 12489), (526, 12549), (535, 12576), (544, 12606), (551, 12636), (560, 12666), (580, 12690),

Gene: Jabiru_10 Start: 7815, Stop: 9248, Start Num: 59

Candidate Starts for Jabiru_10:

(Start: 59 @7815 has 322 MA's), (131, 7944), (149, 7983), (153, 7998), (155, 8004), (179, 8076), (200, 8172), (209, 8199), (299, 8358), (350, 8424), (351, 8430), (352, 8433), (373, 8505), (379, 8538), (385, 8559), (392, 8589), (483, 8850), (496, 8904), (501, 8922), (516, 8961), (544, 9078), (551, 9108), (560, 9138), (573, 9153), (581, 9162),

Gene: Jabith_13 Start: 9836, Stop: 11293, Start Num: 59

Candidate Starts for Jabith_13:

(Start: 59 @9836 has 322 MA's), (97, 9881), (101, 9896), (136, 10001), (224, 10283), (247, 10316), (352, 10472), (373, 10544), (377, 10571), (379, 10577), (385, 10598), (400, 10649), (490, 10913), (496, 10943), (502, 10964), (505, 10979), (510, 10991), (516, 11000), (535, 11087), (544, 11117), (551, 11147), (560, 11177), (610, 11243),

Gene: JackSparrow_13 Start: 8973, Stop: 10415, Start Num: 89

Candidate Starts for JackSparrow_13:

(Start: 50 @8907 has 1 MA's), (Start: 89 @8973 has 214 MA's), (162, 9171), (224, 9384), (349, 9579), (352, 9591), (377, 9690), (446, 9885), (460, 9924), (483, 10002), (485, 10008), (496, 10056), (499, 10068), (502, 10077), (525, 10167), (551, 10257), (562, 10290), (573, 10302),

Gene: JakeTheSnake_4 Start: 2269, Stop: 3615, Start Num: 88

Candidate Starts for JakeTheSnake_4:

(41, 2191), (Start: 80 @2257 has 4 MA's), (Start: 88 @2269 has 31 MA's), (130, 2377), (132, 2389), (182, 2530), (199, 2611), (216, 2647), (224, 2671), (271, 2752), (355, 2875), (360, 2893), (368, 2920), (370, 2926), (374, 2947), (375, 2956), (379, 2968), (380, 2971), (386, 2995), (399, 3037), (446, 3163), (483, 3280), (486, 3289), (498, 3343), (519, 3397), (522, 3424), (551, 3541), (556, 3550), (585, 3601),

Gene: JalFarm20_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for JalFarm20_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Janeemi_4 Start: 3363, Stop: 4736, Start Num: 76

Candidate Starts for Janeemi_4:

(Start: 76 @3363 has 57 MA's), (Start: 129 @3483 has 2 MA's), (165, 3582), (279, 3846), (393, 4119), (453, 4275), (474, 4323), (478, 4353), (486, 4377), (530, 4551), (533, 4560), (575, 4671),

Gene: Janus_8 Start: 4204, Stop: 5691, Start Num: 83

Candidate Starts for Janus_8:

(Start: 83 @4204 has 105 MA's), (Start: 129 @4321 has 2 MA's), (165, 4420), (172, 4474), (185, 4513), (298, 4726), (370, 4894), (387, 4969), (389, 4978), (392, 4987), (397, 4999), (399, 5005), (436, 5152), (446, 5203), (448, 5209), (520, 5446), (543, 5545), (551, 5578), (611, 5677),

Gene: Jarvi_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for Jarvi_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: Jash_8 Start: 4241, Stop: 5683, Start Num: 83

Candidate Starts for Jash_8:

(70, 4232), (Start: 72 @4235 has 15 MA's), (Start: 83 @4241 has 105 MA's), (Start: 129 @4358 has 2 MA's), (148, 4406), (155, 4430), (269, 4724), (298, 4766), (312, 4793), (366, 4919), (370, 4931), (392, 5024), (426, 5102), (436, 5147), (448, 5204), (456, 5228), (520, 5441), (611, 5669),

Gene: JasmineDragon_3 Start: 2299, Stop: 3663, Start Num: 76

Candidate Starts for JasmineDragon_3:

(Start: 76 @2299 has 57 MA's), (125, 2413), (Start: 129 @2422 has 2 MA's), (165, 2521), (370, 2962), (371, 2965), (443, 3184), (474, 3262), (527, 3481), (530, 3490),

Gene: Jasper_13 Start: 8528, Stop: 9970, Start Num: 89

Candidate Starts for Jasper_13:

(Start: 50 @8462 has 1 MA's), (Start: 89 @8528 has 214 MA's), (162, 8726), (224, 8939), (349, 9134), (352, 9146), (377, 9245), (398, 9317), (446, 9440), (460, 9479), (483, 9557), (485, 9563), (495, 9608), (496, 9611), (499, 9623), (502, 9632), (525, 9722), (551, 9812), (562, 9845), (573, 9857),

Gene: Jayhawk_9 Start: 3020, Stop: 4579, Start Num: 32

Candidate Starts for Jayhawk_9:

(22, 2918), (Start: 29 @3005 has 30 MA's), (Start: 32 @3020 has 139 MA's), (96, 3122), (99, 3131), (125, 3203), (Start: 129 @3212 has 2 MA's), (136, 3236), (150, 3269), (153, 3278), (165, 3311), (170, 3329), (185, 3380), (189, 3401), (199, 3443), (231, 3509), (238, 3524), (278, 3599), (289, 3620), (321, 3674), (362, 3794), (373, 3827), (375, 3848), (382, 3869), (388, 3899), (423, 3932), (429, 3950), (445, 4028), (449, 4040), (450, 4043), (454, 4055), (455, 4058), (474, 4094), (484, 4142), (496, 4193), (501, 4211), (526, 4307), (533, 4328), (541, 4355), (543, 4364), (553, 4400),

Gene: Jaykayelowell_12 Start: 8577, Stop: 10028, Start Num: 58

Candidate Starts for Jaykayelowell_12:

(Start: 58 @8577 has 296 MA's), (132, 8724), (136, 8736), (190, 8904), (197, 8934), (209, 8973), (215, 8991), (247, 9051), (344, 9180), (349, 9198), (377, 9309), (379, 9315), (385, 9336), (386, 9342), (411, 9411), (435, 9471), (443, 9516), (483, 9642), (484, 9645), (496, 9696), (497, 9702), (502, 9717), (510, 9747), (532, 9837), (544, 9873), (546, 9885), (551, 9903), (562, 9933),

Gene: Jeckyll_9 Start: 3055, Stop: 4623, Start Num: 29

Candidate Starts for Jeckyll_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: Jeeves_12 Start: 8315, Stop: 9775, Start Num: 59

Candidate Starts for Jeeves_12:

(Start: 59 @8315 has 322 MA's), (Start: 66 @8327 has 4 MA's), (101, 8375), (136, 8480), (144, 8492), (165, 8549), (224, 8762), (350, 8942), (373, 9023), (377, 9050), (379, 9056), (384, 9074), (385, 9077), (389, 9098), (400, 9128), (415, 9149), (427, 9167), (440, 9230), (496, 9422), (502, 9443), (505, 9458), (510, 9470), (516, 9479), (526, 9539), (544, 9596), (551, 9626), (560, 9656), (580, 9680),

Gene: Jeffabunny_16 Start: 9287, Stop: 10750, Start Num: 59

Candidate Starts for Jeffabunny_16:

(Start: 59 @9287 has 322 MA's), (Start: 72 @9308 has 15 MA's), (101, 9347), (131, 9434), (133, 9446), (136, 9452), (224, 9734), (358, 9947), (373, 9998), (377, 10025), (379, 10031), (385, 10052), (502, 10418), (510, 10445), (516, 10454), (526, 10514), (544, 10571), (551, 10601), (560, 10631), (582, 10658),

Gene: JellyBread_4 Start: 2274, Stop: 3605, Start Num: 88

Candidate Starts for JellyBread_4:

(Start: 80 @2262 has 4 MA's), (Start: 88 @2274 has 31 MA's), (94, 2283), (130, 2385), (132, 2397), (182, 2538), (190, 2583), (194, 2598), (199, 2619), (219, 2655), (224, 2673), (271, 2754), (300, 2799), (355, 2877), (375, 2958), (379, 2970), (380, 2973), (386, 2997), (399, 3039), (441, 3150), (446, 3165), (457, 3195), (486, 3291), (551, 3531), (552, 3534), (556, 3540), (585, 3591),

Gene: JenCasNa_14 Start: 8652, Stop: 10106, Start Num: 58

Candidate Starts for JenCasNa_14:

(Start: 58 @8652 has 296 MA's), (Start: 90 @8682 has 2 MA's), (101, 8709), (136, 8814), (179, 8928), (193, 8994), (209, 9051), (247, 9129), (248, 9132), (349, 9273), (377, 9384), (379, 9390), (385, 9411), (443, 9576), (483, 9702), (496, 9756), (497, 9762), (502, 9777), (516, 9813), (535, 9900), (544, 9930), (551, 9960), (573, 10005), (581, 10014),

Gene: JeppNRM_15 Start: 8724, Stop: 10178, Start Num: 58

Candidate Starts for JeppNRM_15:

(Start: 58 @8724 has 296 MA's), (Start: 90 @8754 has 2 MA's), (101, 8781), (136, 8886), (179, 9000), (193, 9066), (209, 9123), (247, 9201), (248, 9204), (349, 9345), (377, 9456), (379, 9462), (385, 9483), (443, 9648), (483, 9774), (496, 9828), (497, 9834), (502, 9849), (516, 9885), (535, 9972), (544, 10002), (551, 10032), (573, 10077), (581, 10086),

Gene: Jerm_15 Start: 9635, Stop: 11095, Start Num: 59

Candidate Starts for Jerm_15:

(Start: 59 @9635 has 322 MA's), (101, 9695), (136, 9800), (197, 9998), (224, 10082), (247, 10115), (349, 10259), (373, 10343), (377, 10370), (379, 10376), (385, 10397), (386, 10403), (400, 10448), (496, 10742), (501, 10760), (502, 10763), (510, 10790), (516, 10799), (544, 10916), (551, 10946), (560, 10976), (580, 11000),

Gene: Jerm2_13 Start: 8906, Stop: 10348, Start Num: 89

Candidate Starts for Jerm2_13:

(Start: 50 @8840 has 1 MA's), (Start: 89 @8906 has 214 MA's), (162, 9104), (224, 9317), (349, 9512), (350, 9515), (377, 9623), (398, 9695), (446, 9818), (460, 9857), (483, 9935), (485, 9941), (496, 9989), (499, 10001), (502, 10010), (525, 10100), (551, 10190), (562, 10223), (573, 10235),

Gene: Jester_9 Start: 4835, Stop: 6265, Start Num: 58

Candidate Starts for Jester_9:

(25, 4754), (Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (208, 5222), (213, 5237), (219, 5252), (299, 5381), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: JetBlade_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for JetBlade_12:

(Start: 58 @8578 has 296 MA's), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Jevington_9 Start: 4426, Stop: 5907, Start Num: 83

Candidate Starts for Jevington_9:

(Start: 83 @4426 has 105 MA's), (Start: 129 @4543 has 2 MA's), (148, 4591), (151, 4603), (165, 4642), (189, 4756), (269, 4906), (298, 4948), (312, 4975), (367, 5104), (370, 5113), (379, 5155), (387, 5188), (392, 5206), (399, 5224), (402, 5233), (418, 5314), (432, 5350), (436, 5371), (446, 5422), (448, 5428), (501, 5608), (520, 5665), (541, 5755), (543, 5764), (611, 5893),

Gene: JewelBug_16 Start: 9285, Stop: 10748, Start Num: 59

Candidate Starts for JewelBug_16:

(Start: 59 @9285 has 322 MA's), (Start: 72 @9306 has 15 MA's), (101, 9345), (131, 9432), (133, 9444), (136, 9450), (224, 9732), (358, 9945), (373, 9996), (377, 10023), (379, 10029), (385, 10050), (502, 10416), (510, 10443), (516, 10452), (526, 10512), (544, 10569), (551, 10599), (560, 10629), (582, 10656),

Gene: Jhitchelle_6 Start: 3821, Stop: 5254, Start Num: 83

Candidate Starts for Jhitchelle_6:

(Start: 83 @3821 has 105 MA's), (Start: 129 @3938 has 2 MA's), (148, 3986), (151, 3998), (189, 4154), (237, 4241), (334, 4406), (337, 4412), (366, 4499), (370, 4511), (387, 4586), (392, 4604), (426, 4679), (448, 4781), (495, 4940), (496, 4943), (501, 4961), (504, 4973), (520, 5018), (541, 5108), (551, 5150), (566, 5180), (611, 5240),

Gene: Jiawan_13 Start: 9929, Stop: 11416, Start Num: 59

Candidate Starts for Jiawan_13:

(Start: 59 @9929 has 322 MA's), (101, 9992), (136, 10097), (165, 10166), (200, 10307), (213, 10346), (224, 10379), (247, 10412), (349, 10556), (373, 10640), (377, 10667), (379, 10673), (385, 10694), (392, 10724), (400, 10745), (417, 10769), (427, 10784), (496, 11039), (501, 11057), (510, 11087), (512, 11090), (516, 11096), (542, 11207), (544, 11213), (551, 11243), (560, 11273), (573, 11288), (580, 11297),

Gene: Job42_4 Start: 2198, Stop: 3619, Start Num: 78

Candidate Starts for Job42_4:

(Start: 78 @2198 has 61 MA's), (Start: 95 @2225 has 1 MA's), (99, 2237), (148, 2366), (153, 2384), (165, 2417), (185, 2486), (192, 2522), (197, 2543), (199, 2549), (208, 2573), (211, 2576), (253, 2651), (257, 2657), (268, 2684), (280, 2702), (301, 2744), (332, 2795), (338, 2813), (349, 2846), (351, 2855), (352, 2858), (367, 2906), (370, 2915), (375, 2945), (381, 2963), (388, 2996), (431, 3053), (449, 3137), (455, 3155), (464, 3182), (472, 3194), (474, 3197), (475, 3203), (476, 3218), (486, 3251), (518, 3356), (533, 3431), (534, 3437), (537, 3446), (540, 3455), (543, 3467), (572, 3530), (600, 3578),

Gene: Jobu08_14 Start: 8723, Stop: 10177, Start Num: 58

Candidate Starts for Jobu08_14:

(Start: 58 @8723 has 296 MA's), (Start: 90 @8753 has 2 MA's), (101, 8780), (136, 8885), (179, 8999), (193, 9065), (209, 9122), (247, 9200), (248, 9203), (349, 9344), (377, 9455), (379, 9461), (385, 9482), (443, 9647), (483, 9773), (496, 9827), (497, 9833), (502, 9848), (516, 9884), (535, 9971), (544, 10001), (551, 10031), (573, 10076), (581, 10085),

Gene: Jobypre_6 Start: 2756, Stop: 4399, Start Num: 61

Candidate Starts for Jobypre_6:

(Start: 61 @2756 has 69 MA's), (99, 2816), (154, 2966), (165, 2996), (185, 3068), (200, 3134), (234, 3182), (291, 3275), (322, 3314), (356, 3404), (359, 3413), (365, 3428), (430, 3617), (439, 3650), (447, 3689), (461, 3731), (518, 3914), (524, 3956), (530, 3983), (533, 3992), (549, 4052), (557, 4082), (564, 4091), (611, 4166), (626, 4199),

Gene: JoeDirt_5 Start: 2626, Stop: 4299, Start Num: 61

Candidate Starts for JoeDirt_5:

(Start: 61 @2626 has 69 MA's), (101, 2689), (116, 2743), (127, 2767), (154, 2836), (162, 2860), (185, 2938), (192, 2974), (241, 3067), (244, 3070), (291, 3145), (322, 3184), (349, 3247), (356, 3274), (357, 3277), (365, 3298), (371, 3319), (380, 3361), (381, 3364), (424, 3466), (428, 3481), (430, 3487), (450, 3568), (460, 3595), (461, 3601), (490, 3694), (495, 3721), (497, 3730), (518, 3784), (521, 3805), (524, 3826), (530, 3853), (533, 3862), (549, 3922), (557, 3952), (564, 3961), (626, 4069), (653, 4264),

Gene: Joemato_3 Start: 2269, Stop: 3645, Start Num: 76

Candidate Starts for Joemato_3:

(Start: 76 @2269 has 57 MA's), (Start: 129 @2389 has 2 MA's), (165, 2488), (175, 2527), (279, 2752), (342, 2845), (393, 3025), (456, 3193), (474, 3232), (478, 3262), (486, 3286), (530, 3460), (533, 3469), (575, 3580),

Gene: JohnDoe_3 Start: 2268, Stop: 3644, Start Num: 76

Candidate Starts for JohnDoe_3:

(Start: 76 @2268 has 57 MA's), (Start: 129 @2388 has 2 MA's), (165, 2487), (175, 2526), (279, 2751), (296, 2766), (342, 2844), (393, 3024), (456, 3192), (474, 3231), (478, 3261), (486, 3285), (530, 3459), (533, 3468), (575, 3579),

Gene: JohnThicc_3 Start: 2290, Stop: 3654, Start Num: 76

Candidate Starts for JohnThicc_3:

(Start: 76 @2290 has 57 MA's), (125, 2404), (Start: 129 @2413 has 2 MA's), (371, 2956), (376, 2986), (443, 3175), (474, 3253), (527, 3472), (530, 3481), (552, 3559),

Gene: JoongJeon_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for JoongJeon_12:

(Start: 58 @8578 has 296 MA's), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Jordennis_16 Start: 9274, Stop: 10737, Start Num: 59

Candidate Starts for Jordennis_16:

(Start: 59 @9274 has 322 MA's), (Start: 72 @9295 has 15 MA's), (101, 9334), (131, 9421), (133, 9433), (136, 9439), (224, 9721), (358, 9934), (373, 9985), (377, 10012), (379, 10018), (385, 10039), (502, 10405), (510, 10432), (516, 10441), (526, 10501), (544, 10558), (551, 10588), (560, 10618), (582, 10645),

Gene: Jorgensen_12 Start: 8489, Stop: 9931, Start Num: 89

Candidate Starts for Jorgensen_12:

(Start: 50 @8423 has 1 MA's), (Start: 89 @8489 has 214 MA's), (162, 8687), (224, 8900), (349, 9095), (352, 9107), (377, 9206), (446, 9401), (460, 9440), (483, 9518), (485, 9524), (496, 9572), (499, 9584), (502, 9593), (525, 9683), (551, 9773), (562, 9806), (573, 9818),

Gene: Joselito_13 Start: 9784, Stop: 11241, Start Num: 59

Candidate Starts for Joselito_13:

(Start: 59 @9784 has 322 MA's), (97, 9829), (101, 9844), (136, 9949), (224, 10231), (247, 10264), (352, 10420), (373, 10492), (377, 10519), (379, 10525), (385, 10546), (400, 10597), (490, 10861), (496, 10891), (502, 10912), (505, 10927), (510, 10939), (516, 10948), (535, 11035), (544, 11065), (551, 11095), (560, 11125), (610, 11191),

Gene: JoshKayV_15 Start: 9626, Stop: 11101, Start Num: 59

Candidate Starts for JoshKayV_15:

(Start: 59 @9626 has 322 MA's), (101, 9686), (136, 9791), (197, 9989), (224, 10073), (247, 10106), (327, 10217), (373, 10334), (377, 10361), (379, 10367), (385, 10388), (386, 10394), (400, 10439), (496, 10733), (501, 10751), (502, 10754), (510, 10781), (516, 10790), (544, 10907), (551, 10937), (560, 10967), (634, 11078),

Gene: Journey13_11 Start: 8338, Stop: 9777, Start Num: 59

Candidate Starts for Journey13_11:

(Start: 59 @8338 has 322 MA's), (Start: 72 @8359 has 15 MA's), (101, 8398), (132, 8491), (136, 8503), (213, 8752), (224, 8785), (352, 8977), (373, 9049), (377, 9076), (379, 9082), (385, 9103), (417, 9178), (496, 9448), (502, 9469), (510, 9496), (516, 9505), (544, 9622), (551, 9652), (560, 9682), (580, 9706),

Gene: Jovo_10 Start: 8048, Stop: 9481, Start Num: 59

Candidate Starts for Jovo_10:

(Start: 59 @8048 has 322 MA's), (149, 8216), (153, 8231), (155, 8237), (200, 8405), (209, 8432), (247, 8510), (299, 8591), (351, 8663), (352, 8666), (373, 8738), (379, 8771), (385, 8792), (392, 8822), (417, 8867), (483, 9083), (496, 9137), (501, 9155), (516, 9194), (544, 9311), (551, 9341), (560, 9371), (581, 9395),

Gene: Joy99_9 Start: 2999, Stop: 4555, Start Num: 32

Candidate Starts for Joy99_9:

(22, 2897), (Start: 29 @2984 has 30 MA's), (Start: 32 @2999 has 139 MA's), (96, 3098), (99, 3107), (125, 3179), (Start: 129 @3188 has 2 MA's), (136, 3212), (150, 3245), (153, 3254), (165, 3287), (185, 3356), (189, 3377), (199, 3419), (231, 3485), (238, 3500), (278, 3575), (289, 3596), (321, 3650), (362, 3770), (373, 3803), (375, 3824), (382, 3845), (388, 3875), (423, 3908), (429, 3926), (440, 3986), (445, 4004), (449, 4016), (450, 4019), (454, 4031), (455, 4034), (474, 4070), (484, 4118), (496, 4169), (501, 4187), (526, 4283), (533, 4304), (541, 4331), (543, 4340), (553, 4376), (586, 4430),

Gene: Jsquared_12 Start: 8109, Stop: 9566, Start Num: 59

Candidate Starts for Jsquared_12:

(Start: 59 @8109 has 322 MA's), (Start: 72 @8130 has 15 MA's), (101, 8169), (136, 8274), (224, 8556), (247, 8589), (283, 8661), (352, 8745), (373, 8817), (377, 8844), (379, 8850), (385, 8871), (460, 9084), (491, 9189), (496, 9216), (502, 9237), (510, 9264), (516, 9273), (544, 9390), (551, 9420), (560, 9450), (580, 9474),

Gene: Jstan_3 Start: 2266, Stop: 3642, Start Num: 76

Candidate Starts for Jstan_3:

(Start: 76 @2266 has 57 MA's), (Start: 129 @2386 has 2 MA's), (165, 2485), (279, 2749), (393, 3022), (453, 3181), (474, 3229), (478, 3259), (486, 3283), (530, 3457), (575, 3577),

Gene: Jubie_6 Start: 2756, Stop: 4399, Start Num: 61

Candidate Starts for Jubie_6:

(Start: 61 @2756 has 69 MA's), (99, 2816), (154, 2966), (165, 2996), (185, 3068), (200, 3134), (234, 3182), (291, 3275), (322, 3314), (356, 3404), (359, 3413), (365, 3428), (430, 3617), (439, 3650), (447, 3689), (461, 3731), (518, 3914), (524, 3956), (530, 3983), (533, 3992), (549, 4052), (557, 4082), (564, 4091), (611, 4166), (626, 4199),

Gene: Judy_3 Start: 2383, Stop: 3744, Start Num: 74

Candidate Starts for Judy_3:

(Start: 74 @2383 has 11 MA's), (145, 2551), (151, 2569), (163, 2605), (179, 2653), (216, 2779), (259, 2860), (275, 2890), (327, 2965), (352, 3034), (376, 3124), (381, 3139), (450, 3331), (471, 3385), (501, 3505), (527, 3595), (564, 3709),

Gene: Juice456_4 Start: 2200, Stop: 3621, Start Num: 78

Candidate Starts for Juice456_4:

(Start: 78 @2200 has 61 MA's), (Start: 95 @2227 has 1 MA's), (99, 2239), (148, 2368), (153, 2386), (165, 2419), (185, 2488), (192, 2524), (197, 2545), (199, 2551), (208, 2575), (211, 2578), (253, 2653), (257, 2659), (268, 2686), (301, 2746), (349, 2848), (352, 2860), (355, 2869), (365, 2899), (367, 2908), (375, 2947), (381, 2965), (382, 2968), (388, 2998), (431, 3055), (439, 3094), (449, 3139), (455, 3157), (464, 3184), (472, 3196), (474, 3199), (475, 3205), (476, 3220), (486, 3253), (518, 3358), (533, 3433), (534, 3439), (537, 3448), (540, 3457), (543, 3469), (572, 3532), (600, 3580),

Gene: Juicebox_4 Start: 2953, Stop: 4350, Start Num: 71

Candidate Starts for Juicebox_4:

(Start: 71 @2953 has 5 MA's), (113, 3043), (121, 3079), (124, 3085), (146, 3130), (154, 3157), (185, 3253), (226, 3370), (281, 3475), (337, 3571), (347, 3601), (352, 3619), (357, 3637), (358, 3640), (394, 3775), (418, 3799), (460, 3934), (464, 3949), (533, 4204),

Gene: JuliaChild_14 Start: 9164, Stop: 10606, Start Num: 89

Candidate Starts for JuliaChild_14:

(Start: 50 @9098 has 1 MA's), (Start: 89 @9164 has 214 MA's), (162, 9362), (224, 9575), (349, 9770), (352, 9782), (377, 9881), (398, 9953), (446, 10076), (460, 10115), (483, 10193), (485, 10199), (496, 10247), (499, 10259), (502, 10268), (525, 10358), (551, 10448), (562, 10481), (573, 10493),

Gene: Juliette_10 Start: 3927, Stop: 5507, Start Num: 30

Candidate Starts for Juliette_10:

(Start: 29 @3912 has 30 MA's), (Start: 30 @3927 has 28 MA's), (Start: 39 @3951 has 1 MA's), (Start: 81 @4014 has 1 MA's), (125, 4122), (Start: 129 @4131 has 2 MA's), (150, 4188), (153, 4197), (154, 4200), (165, 4230), (185, 4299), (189, 4320), (197, 4356), (199, 4362), (208, 4386), (238, 4437), (260, 4476), (289, 4533), (333, 4611), (334, 4614), (337, 4620), (345, 4638), (351, 4665), (352, 4668), (362, 4701), (373, 4734), (375, 4755), (382, 4776), (423, 4839), (431, 4863), (436, 4887), (445, 4935), (449, 4947), (455, 4965), (472, 5004), (476, 5028), (497, 5112), (499, 5118), (501, 5124), (509, 5193), (518, 5217), (533, 5292), (541, 5319), (543, 5328), (553, 5364), (567, 5391), (576, 5403),

Gene: JuneStar_3 Start: 2262, Stop: 3800, Start Num: 73

Candidate Starts for JuneStar_3:

(Start: 73 @2262 has 17 MA's), (Start: 129 @2382 has 2 MA's), (165, 2481), (279, 2745), (393, 3018), (456, 3186), (474, 3225), (478, 3255), (486, 3279), (530, 3453), (543, 3498), (569, 3564), (612, 3642), (623, 3663), (638, 3714),

Gene: KADY_15 Start: 8738, Stop: 10192, Start Num: 58

Candidate Starts for KADY_15:

(Start: 58 @8738 has 296 MA's), (Start: 90 @8768 has 2 MA's), (101, 8795), (136, 8900), (179, 9014), (193, 9080), (209, 9137), (247, 9215), (248, 9218), (349, 9359), (377, 9470), (379, 9476), (385, 9497), (443, 9662), (483, 9788), (496, 9842), (497, 9848), (502, 9863), (516, 9899), (535, 9986), (544, 10016), (551, 10046), (573, 10091), (581, 10100),

Gene: KBG_13 Start: 9597, Stop: 11039, Start Num: 89

Candidate Starts for KBG_13:

(Start: 50 @9531 has 1 MA's), (Start: 89 @9597 has 214 MA's), (162, 9795), (224, 10008), (349, 10203), (377, 10314), (446, 10509), (460, 10548), (483, 10626), (485, 10632), (496, 10680), (499, 10692), (502, 10701), (525, 10791), (551, 10881), (562, 10914), (573, 10926),

Gene: KFPoly_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for KFPoly_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: KSSJEB_12 Start: 8502, Stop: 9944, Start Num: 89

Candidate Starts for KSSJEB_12:

(Start: 50 @8436 has 1 MA's), (Start: 89 @8502 has 214 MA's), (162, 8700), (224, 8913), (349, 9108), (350, 9111), (352, 9120), (377, 9219), (446, 9414), (460, 9453), (483, 9531), (485, 9537), (496, 9585), (499, 9597), (502, 9606), (516, 9639), (525, 9696), (551, 9786), (562, 9819), (573, 9831),

Gene: Kabloowy_4 Start: 2274, Stop: 3611, Start Num: 88

Candidate Starts for Kabloowy_4:

(Start: 80 @2262 has 4 MA's), (Start: 88 @2274 has 31 MA's), (101, 2304), (112, 2337), (130, 2385), (132, 2397), (182, 2538), (197, 2613), (224, 2679), (350, 2865), (355, 2883), (374, 2955), (375, 2964),

(379, 2976), (380, 2979), (386, 3003), (399, 3045), (446, 3171), (486, 3297), (495, 3339), (498, 3351), (551, 3537), (552, 3540), (556, 3546), (585, 3597),

Gene: Kachowdy_12 Start: 8246, Stop: 9712, Start Num: 59

Candidate Starts for Kachowdy_12:

(Start: 59 @8246 has 322 MA's), (136, 8417), (169, 8501), (186, 8564), (193, 8597), (197, 8615), (209, 8654), (219, 8681), (245, 8729), (347, 8870), (350, 8879), (373, 8960), (376, 8984), (377, 8987), (379, 8993), (385, 9014), (443, 9191), (483, 9317), (484, 9320), (496, 9371), (497, 9377), (502, 9392), (510, 9422), (544, 9548), (551, 9578), (562, 9608),

Gene: Kahlid_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Kahlid_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: Kaine_7 Start: 3895, Stop: 5328, Start Num: 83

Candidate Starts for Kaine_7:

(Start: 83 @3895 has 105 MA's), (Start: 129 @4012 has 2 MA's), (148, 4060), (151, 4072), (237, 4315), (288, 4402), (323, 4462), (334, 4480), (337, 4486), (370, 4585), (387, 4660), (392, 4678), (409, 4717), (426, 4753), (448, 4855), (496, 5017), (501, 5035), (520, 5092), (541, 5182), (551, 5224), (590, 5290), (611, 5314),

Gene: Kalb97_15 Start: 8724, Stop: 10178, Start Num: 58

Candidate Starts for Kalb97_15:

(Start: 58 @8724 has 296 MA's), (Start: 90 @8754 has 2 MA's), (101, 8781), (136, 8886), (179, 9000), (193, 9066), (209, 9123), (247, 9201), (248, 9204), (349, 9345), (377, 9456), (379, 9462), (385, 9483), (443, 9648), (483, 9774), (496, 9828), (497, 9834), (502, 9849), (516, 9885), (535, 9972), (544, 10002), (551, 10032), (573, 10077), (581, 10086),

Gene: Kalimba_3 Start: 2306, Stop: 3871, Start Num: 72

Candidate Starts for Kalimba_3:

(Start: 72 @2306 has 15 MA's), (Start: 129 @2432 has 2 MA's), (197, 2657), (208, 2693), (228, 2702), (279, 2795), (300, 2819), (349, 2924), (460, 3257), (464, 3272), (465, 3275), (530, 3515), (608, 3689), (645, 3803), (649, 3836),

Gene: Kalnoky_15 Start: 8726, Stop: 10180, Start Num: 58

Candidate Starts for Kalnoky_15:

(Start: 58 @8726 has 296 MA's), (Start: 90 @8756 has 2 MA's), (101, 8783), (136, 8888), (179, 9002), (193, 9068), (209, 9125), (247, 9203), (248, 9206), (349, 9347), (377, 9458), (379, 9464), (385, 9485), (427, 9575), (443, 9650), (483, 9776), (496, 9830), (497, 9836), (502, 9851), (516, 9887), (535, 9974), (544, 10004), (551, 10034), (573, 10079), (581, 10088),

Gene: Kalpine_16 Start: 10999, Stop: 12459, Start Num: 59

Candidate Starts for Kalpine_16:

(Start: 59 @10999 has 322 MA's), (101, 11059), (136, 11164), (224, 11446), (247, 11479), (350, 11626), (352, 11635), (373, 11707), (377, 11734), (379, 11740), (385, 11761), (400, 11812), (496, 12106), (501, 12124), (502, 12127), (505, 12142), (510, 12154), (516, 12163), (544, 12280), (551, 12310), (560, 12340), (580, 12364),

Gene: Kamy_12 Start: 8579, Stop: 10030, Start Num: 58

Candidate Starts for Kamy_12:

(Start: 58 @8579 has 296 MA's), (132, 8726), (136, 8738), (190, 8906), (197, 8936), (209, 8975), (215, 8993), (247, 9053), (344, 9182), (349, 9200), (352, 9212), (377, 9311), (379, 9317), (385, 9338), (386, 9344), (411, 9413), (435, 9473), (443, 9518), (483, 9644), (484, 9647), (496, 9698), (502, 9719), (510, 9749), (532, 9839), (544, 9875), (546, 9887), (551, 9905), (562, 9935),

Gene: Kanely_13 Start: 9274, Stop: 10716, Start Num: 89

Candidate Starts for Kanely_13:

(Start: 50 @9208 has 1 MA's), (Start: 89 @9274 has 214 MA's), (162, 9472), (224, 9685), (349, 9880), (350, 9883), (377, 9991), (398, 10063), (446, 10186), (460, 10225), (483, 10303), (485, 10309), (496, 10357), (499, 10369), (502, 10378), (525, 10468), (551, 10558), (562, 10591), (573, 10603),

Gene: Karkharias_3 Start: 2383, Stop: 3747, Start Num: 74

Candidate Starts for Karkharias_3:

(Start: 74 @2383 has 11 MA's), (145, 2551), (151, 2569), (163, 2605), (179, 2653), (216, 2779), (259, 2860), (275, 2890), (327, 2965), (352, 3034), (376, 3124), (381, 3139), (450, 3331), (471, 3385), (501, 3505), (526, 3589), (527, 3595), (589, 3739),

Gene: Katalie_8 Start: 4327, Stop: 5763, Start Num: 83

Candidate Starts for Katalie_8:

(70, 4318), (Start: 72 @4321 has 15 MA's), (Start: 83 @4327 has 105 MA's), (96, 4351), (106, 4375), (Start: 129 @4444 has 2 MA's), (148, 4492), (155, 4516), (165, 4543), (200, 4696), (269, 4810), (298, 4852), (304, 4864), (312, 4879), (337, 4918), (366, 5008), (370, 5020), (392, 5113), (426, 5191), (436, 5236), (448, 5293), (520, 5530), (611, 5749),

Gene: Katalie136_12 Start: 8587, Stop: 10038, Start Num: 58

Candidate Starts for Katalie136_12:

(Start: 58 @8587 has 296 MA's), (132, 8737), (136, 8749), (186, 8896), (190, 8917), (197, 8947), (209, 8986), (215, 9004), (219, 9013), (247, 9064), (344, 9193), (349, 9211), (362, 9256), (377, 9322), (379, 9328), (385, 9349), (386, 9355), (411, 9424), (435, 9484), (443, 9529), (483, 9655), (484, 9658), (496, 9709), (497, 9715), (501, 9727), (502, 9730), (510, 9757), (535, 9853), (544, 9883), (546, 9895), (551, 9913), (562, 9943),

Gene: KatherineG_15 Start: 8502, Stop: 9962, Start Num: 59

Candidate Starts for KatherineG_15:

(Start: 59 @8502 has 322 MA's), (101, 8562), (136, 8667), (163, 8733), (213, 8916), (224, 8949), (247, 8982), (373, 9213), (377, 9240), (379, 9246), (385, 9267), (389, 9288), (400, 9318), (417, 9342), (443, 9432), (453, 9462), (483, 9558), (491, 9585), (496, 9612), (501, 9630), (502, 9633), (510, 9666), (516, 9675), (544, 9792), (551, 9822), (580, 9876),

Gene: KayMoney_3 Start: 2383, Stop: 3747, Start Num: 74

Candidate Starts for KayMoney_3:

(Start: 74 @2383 has 11 MA's), (145, 2551), (151, 2569), (163, 2605), (199, 2743), (216, 2779), (275, 2890), (300, 2920), (327, 2965), (335, 2986), (347, 3019), (367, 3082), (381, 3139), (440, 3298), (450, 3331), (471, 3385), (492, 3463), (496, 3487), (526, 3589), (527, 3595), (589, 3739),

Gene: Kaylissa_3 Start: 2269, Stop: 3645, Start Num: 76

Candidate Starts for Kaylissa_3:

(Start: 76 @2269 has 57 MA's), (Start: 129 @2389 has 2 MA's), (165, 2488), (175, 2527), (279, 2752), (342, 2845), (393, 3025), (456, 3193), (474, 3232), (478, 3262), (486, 3286), (530, 3460), (533, 3469), (575, 3580),

Gene: Kazan_16 Start: 9290, Stop: 10753, Start Num: 59

Candidate Starts for Kazan_16:

(Start: 59 @9290 has 322 MA's), (Start: 72 @9311 has 15 MA's), (101, 9350), (131, 9437), (133, 9449), (136, 9455), (224, 9737), (358, 9950), (373, 10001), (377, 10028), (379, 10034), (385, 10055), (502, 10421), (510, 10448), (516, 10457), (526, 10517), (544, 10574), (551, 10604), (560, 10634), (582, 10661),

Gene: KeAlii_3 Start: 2252, Stop: 3619, Start Num: 76

Candidate Starts for KeAlii_3:

(Start: 76 @2252 has 57 MA's), (125, 2363), (Start: 129 @2372 has 2 MA's), (165, 2471), (298, 2753), (393, 3008), (443, 3134), (478, 3242), (486, 3266), (530, 3440), (575, 3560),

Gene: Keelan_33 Start: 11198, Stop: 12622, Start Num: 82

Candidate Starts for Keelan_33:

(Start: 82 @11198 has 8 MA's), (104, 11237), (107, 11246), (118, 11294), (145, 11354), (185, 11480), (199, 11543), (224, 11594), (297, 11729), (338, 11795), (370, 11894), (445, 12104), (449, 12116), (488, 12239), (493, 12263), (494, 12269), (495, 12272), (537, 12416), (540, 12425), (541, 12428), (543, 12437), (573, 12509),

Gene: KekoraPapaka_11 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for KekoraPapaka_11:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Kenmech_15 Start: 9778, Stop: 11220, Start Num: 89

Candidate Starts for Kenmech_15:

(Start: 50 @9712 has 1 MA's), (Start: 89 @9778 has 214 MA's), (162, 9976), (224, 10189), (349, 10384), (352, 10396), (377, 10495), (446, 10690), (460, 10729), (483, 10807), (485, 10813), (496, 10861), (499, 10873), (502, 10882), (516, 10915), (525, 10972), (551, 11062), (562, 11095), (573, 11107),

Gene: Kerberos_16 Start: 9159, Stop: 10616, Start Num: 59

Candidate Starts for Kerberos_16:

(Start: 59 @9159 has 322 MA's), (101, 9219), (132, 9312), (136, 9324), (224, 9606), (327, 9750), (351, 9792), (373, 9867), (377, 9894), (379, 9900), (385, 9921), (386, 9927), (496, 10266), (502, 10287), (510, 10314), (516, 10323), (535, 10410), (544, 10440), (551, 10470), (560, 10500), (580, 10524),

Gene: Keshu_8 Start: 2908, Stop: 4476, Start Num: 32

Candidate Starts for Keshu_8:

(24, 2875), (Start: 32 @2908 has 139 MA's), (96, 3013), (99, 3022), (107, 3037), (136, 3127), (150, 3160), (154, 3172), (165, 3202), (185, 3271), (189, 3292), (192, 3307), (199, 3334), (224, 3385), (231, 3394), (238, 3409), (278, 3484), (284, 3499), (289, 3505), (294, 3514), (301, 3529), (331, 3580), (352, 3646), (362, 3679), (365, 3685), (373, 3712), (375, 3733), (382, 3754), (388, 3784), (423, 3817), (429, 3835), (445, 3913), (449, 3925), (450, 3928), (455, 3943), (482, 4024), (484, 4030), (495, 4078), (501, 4099), (533, 4219), (541, 4246), (543, 4255), (553, 4291),

Gene: Keziacharles14_12 Start: 8061, Stop: 9545, Start Num: 59

Candidate Starts for Keziacharles14_12:

(Start: 59 @8061 has 322 MA's), (101, 8121), (109, 8145), (131, 8208), (136, 8226), (179, 8340), (200, 8436), (213, 8475), (224, 8508), (247, 8541), (349, 8685), (359, 8721), (362, 8730), (373, 8769), (377, 8796), (379, 8802), (385, 8823), (400, 8874), (417, 8898), (427, 8913), (446, 8997), (496, 9168), (501,

9186), (510, 9216), (516, 9225), (542, 9336), (544, 9342), (551, 9372), (573, 9417), (580, 9426),

Gene: KiSi_8 Start: 2917, Stop: 4461, Start Num: 32

Candidate Starts for KiSi_8:

(Start: 29 @2902 has 30 MA's), (Start: 32 @2917 has 139 MA's), (51, 2953), (Start: 64 @2971 has 1 MA's), (Start: 95 @3016 has 1 MA's), (99, 3028), (105, 3037), (Start: 129 @3109 has 2 MA's), (136, 3133), (145, 3151), (150, 3166), (153, 3175), (154, 3178), (189, 3298), (192, 3313), (198, 3337), (199, 3340), (238, 3418), (260, 3457), (278, 3493), (289, 3514), (311, 3553), (330, 3583), (333, 3598), (349, 3643), (351, 3652), (352, 3655), (362, 3688), (373, 3721), (375, 3742), (382, 3763), (388, 3793), (423, 3826), (429, 3844), (445, 3922), (449, 3934), (450, 3937), (454, 3949), (455, 3952), (495, 4084), (501, 4105), (518, 4147), (523, 4186), (525, 4198), (533, 4222), (540, 4246), (541, 4249), (543, 4258), (553, 4294), (607, 4381),

Gene: KikiBouba_13 Start: 9245, Stop: 10687, Start Num: 89

Candidate Starts for KikiBouba_13:

(Start: 50 @9179 has 1 MA's), (Start: 89 @9245 has 214 MA's), (162, 9443), (224, 9656), (349, 9851), (352, 9863), (377, 9962), (446, 10157), (460, 10196), (483, 10274), (485, 10280), (496, 10328), (499, 10340), (502, 10349), (525, 10439), (551, 10529), (562, 10562), (573, 10574),

Gene: Killigrew_10 Start: 8139, Stop: 9581, Start Num: 89

Candidate Starts for Killigrew_10:

(Start: 50 @8073 has 1 MA's), (Start: 89 @8139 has 214 MA's), (162, 8337), (224, 8550), (233, 8562), (247, 8586), (349, 8745), (352, 8757), (377, 8856), (446, 9051), (460, 9090), (483, 9168), (485, 9174), (496, 9222), (499, 9234), (502, 9243), (516, 9276), (525, 9333), (551, 9423), (562, 9456), (573, 9468),

Gene: Kimba_13 Start: 9896, Stop: 11293, Start Num: 101

Candidate Starts for Kimba_13:

(Start: 59 @9836 has 322 MA's), (97, 9881), (101, 9896), (136, 10001), (224, 10283), (247, 10316), (352, 10472), (373, 10544), (377, 10571), (379, 10577), (385, 10598), (400, 10649), (490, 10913), (496, 10943), (502, 10964), (505, 10979), (510, 10991), (516, 11000), (535, 11087), (544, 11117), (551, 11147), (560, 11177), (610, 11243),

Gene: Kimberlium_4 Start: 2200, Stop: 3621, Start Num: 78

Candidate Starts for Kimberlium_4:

(Start: 78 @2200 has 61 MA's), (Start: 95 @2227 has 1 MA's), (99, 2239), (148, 2368), (153, 2386), (165, 2419), (185, 2488), (192, 2524), (197, 2545), (199, 2551), (208, 2575), (211, 2578), (253, 2653), (257, 2659), (268, 2686), (301, 2746), (349, 2848), (352, 2860), (355, 2869), (365, 2899), (367, 2908), (375, 2947), (381, 2965), (382, 2968), (388, 2998), (431, 3055), (439, 3094), (449, 3139), (455, 3157), (464, 3184), (472, 3196), (474, 3199), (475, 3205), (476, 3220), (486, 3253), (518, 3358), (533, 3433), (534, 3439), (537, 3448), (540, 3457), (543, 3469), (572, 3532), (600, 3580),

Gene: Kimona_9 Start: 6002, Stop: 7459, Start Num: 58

Candidate Starts for Kimona_9:

(Start: 58 @6002 has 296 MA's), (Start: 90 @6029 has 2 MA's), (132, 6149), (136, 6161), (186, 6308), (197, 6359), (219, 6425), (350, 6623), (359, 6656), (362, 6665), (373, 6704), (377, 6731), (379, 6737), (385, 6758), (392, 6788), (411, 6836), (443, 6941), (483, 7067), (484, 7070), (496, 7121), (501, 7139), (502, 7142), (516, 7178), (526, 7238), (532, 7259), (535, 7265), (544, 7295), (551, 7325), (571, 7364),

Gene: KingCyrus_15 Start: 9611, Stop: 11086, Start Num: 59

Candidate Starts for KingCyrus_15:

(Start: 59 @9611 has 322 MA's), (101, 9671), (136, 9776), (197, 9974), (224, 10058), (247, 10091), (327, 10202), (373, 10319), (377, 10346), (379, 10352), (385, 10373), (386, 10379), (400, 10424), (446, 10547), (496, 10718), (501, 10736), (502, 10739), (510, 10766), (516, 10775), (544, 10892),

(551, 10922), (560, 10952), (580, 10976), (634, 11063),

Gene: Kingmustik0402_12 Start: 8570, Stop: 10021, Start Num: 58

Candidate Starts for Kingmustik0402_12:

(Start: 58 @8570 has 296 MA's), (132, 8717), (136, 8729), (190, 8897), (197, 8927), (209, 8966), (215, 8984), (247, 9044), (344, 9173), (349, 9191), (370, 9266), (377, 9302), (379, 9308), (385, 9329), (386, 9335), (411, 9404), (435, 9464), (443, 9509), (483, 9635), (484, 9638), (496, 9689), (502, 9710), (510, 9740), (532, 9830), (544, 9866), (551, 9896), (562, 9926),

Gene: Kingsley_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Kingsley_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Kingsolomon_6 Start: 2756, Stop: 4399, Start Num: 61

Candidate Starts for Kingsolomon_6:

(Start: 61 @2756 has 69 MA's), (99, 2816), (154, 2966), (165, 2996), (185, 3068), (200, 3134), (234, 3182), (291, 3275), (322, 3314), (356, 3404), (359, 3413), (365, 3428), (430, 3617), (439, 3650), (447, 3689), (461, 3731), (518, 3914), (524, 3956), (530, 3983), (533, 3992), (549, 4052), (557, 4082), (564, 4091), (611, 4166), (626, 4199),

Gene: Kinmap_12 Start: 9135, Stop: 10586, Start Num: 59

Candidate Starts for Kinmap_12:

(Start: 59 @9135 has 322 MA's), (101, 9195), (131, 9282), (136, 9300), (213, 9549), (224, 9582), (247, 9615), (352, 9771), (373, 9843), (377, 9870), (379, 9876), (385, 9897), (443, 10062), (444, 10065), (483, 10188), (496, 10242), (501, 10260), (502, 10263), (505, 10278), (510, 10290), (516, 10299), (542, 10410), (544, 10416), (551, 10446), (560, 10476), (580, 10500),

Gene: Kipper29_16 Start: 9284, Stop: 10747, Start Num: 59

Candidate Starts for Kipper29_16:

(Start: 59 @9284 has 322 MA's), (Start: 72 @9305 has 15 MA's), (101, 9344), (131, 9431), (133, 9443), (136, 9449), (224, 9731), (358, 9944), (373, 9995), (377, 10022), (379, 10028), (385, 10049), (502, 10415), (510, 10442), (516, 10451), (526, 10511), (544, 10568), (551, 10598), (560, 10628), (582, 10655),

Gene: KirDoubleO7_4 Start: 2768, Stop: 4411, Start Num: 61

Candidate Starts for KirDoubleO7_4:

(Start: 61 @2768 has 69 MA's), (99, 2828), (151, 2969), (154, 2978), (185, 3080), (234, 3194), (291, 3287), (322, 3326), (347, 3383), (349, 3389), (356, 3416), (359, 3425), (365, 3440), (430, 3629), (447, 3701), (461, 3743), (518, 3926), (524, 3968), (530, 3995), (533, 4004), (549, 4064), (557, 4094), (564, 4103), (611, 4178), (626, 4211),

Gene: KittenMittens_11 Start: 6470, Stop: 7930, Start Num: 58

Candidate Starts for KittenMittens_11:

(Start: 58 @6470 has 296 MA's), (Start: 90 @6497 has 2 MA's), (114, 6563), (132, 6617), (136, 6629), (142, 6638), (165, 6698), (186, 6776), (193, 6809), (197, 6827), (208, 6866), (210, 6869), (247, 6947), (347, 7085), (352, 7103), (377, 7202), (379, 7208), (385, 7229), (386, 7235), (392, 7259), (411, 7310), (443, 7415), (483, 7541), (484, 7544), (496, 7595), (497, 7601), (502, 7616), (510, 7646), (516, 7655), (532, 7736), (544, 7772), (551, 7802), (577, 7853), (580, 7856),

Gene: KleverKiS_15 Start: 6256, Stop: 7878, Start Num: 35

Candidate Starts for KleverKiS_15:

(Start: 35 @6256 has 23 MA's), (43, 6271), (105, 6379), (110, 6397), (125, 6445), (138, 6478), (145, 6490), (153, 6514), (162, 6541), (165, 6547), (185, 6619), (186, 6625), (192, 6655), (222, 6736), (225, 6742), (228, 6745), (237, 6763), (340, 6919), (349, 6937), (352, 6949), (367, 6997), (381, 7054), (382, 7057), (405, 7126), (434, 7180), (440, 7216), (456, 7267), (458, 7270), (472, 7300), (475, 7309), (491, 7375), (492, 7378), (495, 7399), (496, 7402), (513, 7453), (533, 7540), (574, 7651), (593, 7681), (611, 7717), (614, 7723), (621, 7738), (626, 7750), (647, 7834),

Gene: Klodlith_13 Start: 8077, Stop: 9561, Start Num: 59

Candidate Starts for Klodlith_13:

(Start: 59 @8077 has 322 MA's), (101, 8137), (136, 8242), (176, 8350), (179, 8356), (200, 8452), (224, 8524), (247, 8557), (327, 8668), (349, 8701), (359, 8737), (362, 8746), (373, 8785), (376, 8809), (377, 8812), (379, 8818), (384, 8836), (385, 8839), (400, 8890), (496, 9184), (501, 9202), (510, 9232), (516, 9241), (535, 9328), (542, 9352), (544, 9358), (551, 9388), (573, 9433), (580, 9442),

Gene: Koan_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Koan_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Koduck_14 Start: 8396, Stop: 9856, Start Num: 59

Candidate Starts for Koduck_14:

(Start: 59 @8396 has 322 MA's), (Start: 72 @8417 has 15 MA's), (101, 8456), (136, 8561), (224, 8843), (247, 8876), (283, 8948), (352, 9032), (373, 9104), (377, 9131), (378, 9134), (379, 9137), (385, 9158), (460, 9371), (491, 9476), (496, 9503), (502, 9524), (510, 9551), (516, 9560), (544, 9677), (551, 9707), (560, 9737), (573, 9752), (580, 9761),

Gene: Koko_16 Start: 9284, Stop: 10750, Start Num: 59

Candidate Starts for Koko_16:

(Start: 59 @9284 has 322 MA's), (Start: 72 @9305 has 15 MA's), (101, 9344), (131, 9431), (133, 9443), (136, 9449), (224, 9731), (258, 9785), (358, 9944), (373, 9995), (377, 10022), (379, 10028), (385, 10049), (460, 10262), (502, 10415), (505, 10430), (510, 10442), (516, 10451), (527, 10517), (535, 10538), (544, 10568), (551, 10598), (560, 10628),

Gene: Koreni_11 Start: 8227, Stop: 9678, Start Num: 58

Candidate Starts for Koreni_11:

(Start: 58 @8227 has 296 MA's), (132, 8374), (136, 8386), (190, 8554), (197, 8584), (209, 8623), (215, 8641), (247, 8701), (344, 8830), (349, 8848), (352, 8860), (377, 8959), (379, 8965), (385, 8986), (386, 8992), (411, 9061), (435, 9121), (443, 9166), (483, 9292), (484, 9295), (496, 9346), (497, 9352), (502, 9367), (510, 9397), (532, 9487), (544, 9523), (546, 9535), (551, 9553), (562, 9583),

Gene: Kratak_12 Start: 8573, Stop: 10024, Start Num: 58

Candidate Starts for Kratak_12:

(Start: 58 @8573 has 296 MA's), (136, 8732), (190, 8900), (197, 8930), (209, 8969), (215, 8987), (247, 9047), (344, 9176), (349, 9194), (377, 9305), (379, 9311), (385, 9332), (386, 9338), (411, 9407), (435, 9467), (443, 9512), (483, 9638), (484, 9641), (496, 9692), (497, 9698), (502, 9713), (510, 9743), (532, 9833), (544, 9869), (551, 9899), (562, 9929),

Gene: Kratio_6 Start: 2527, Stop: 4065, Start Num: 32

Candidate Starts for Kratio_6:

(Start: 32 @2527 has 139 MA's), (96, 2629), (99, 2638), (116, 2692), (150, 2776), (154, 2788), (165, 2818), (170, 2836), (185, 2887), (192, 2923), (198, 2947), (199, 2950), (227, 3004), (238, 3025), (278, 3100), (289, 3121), (305, 3151), (331, 3196), (349, 3250), (362, 3295), (373, 3328), (380, 3364), (382, 3370), (423, 3433), (429, 3451), (445, 3529), (449, 3541), (450, 3544), (455, 3559), (475, 3604), (476, 3619), (482, 3640), (484, 3646), (495, 3694), (496, 3697), (501, 3715), (523, 3796), (526, 3811), (533, 3832), (543, 3868), (553, 3904), (607, 3991),

Gene: Kraw_10 Start: 3922, Stop: 5508, Start Num: 30

Candidate Starts for Kraw_10:

(Start: 29 @3907 has 30 MA's), (Start: 30 @3922 has 28 MA's), (Start: 39 @3946 has 1 MA's), (Start: 81 @4012 has 1 MA's), (105, 4057), (Start: 129 @4129 has 2 MA's), (150, 4186), (153, 4195), (154, 4198), (165, 4228), (185, 4297), (189, 4318), (197, 4354), (199, 4360), (208, 4384), (231, 4420), (238, 4435), (260, 4474), (333, 4609), (337, 4618), (345, 4636), (351, 4663), (352, 4666), (362, 4699), (373, 4732), (375, 4753), (382, 4774), (423, 4837), (431, 4861), (436, 4885), (445, 4933), (449, 4945), (453, 4957), (455, 4963), (472, 5002), (499, 5116), (501, 5122), (533, 5293), (541, 5320), (543, 5329), (567, 5392), (576, 5404),

Gene: Kremtemulon_12 Start: 8623, Stop: 10077, Start Num: 58

Candidate Starts for Kremtemulon_12:

(Start: 58 @8623 has 296 MA's), (132, 8773), (136, 8785), (190, 8953), (197, 8983), (209, 9022), (215, 9040), (247, 9100), (344, 9229), (349, 9247), (377, 9358), (379, 9364), (385, 9385), (386, 9391), (411, 9460), (435, 9520), (443, 9565), (464, 9628), (483, 9691), (484, 9694), (496, 9745), (502, 9766), (510, 9796), (532, 9886), (544, 9922), (551, 9952), (562, 9982),

Gene: Krishelle_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for Krishelle_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Kristoff_13 Start: 8553, Stop: 9998, Start Num: 58

Candidate Starts for Kristoff_13:

(Start: 58 @8553 has 296 MA's), (136, 8712), (186, 8859), (188, 8871), (193, 8892), (197, 8910), (199, 8916), (208, 8949), (247, 9030), (252, 9042), (347, 9168), (352, 9186), (373, 9258), (377, 9285), (379, 9291), (384, 9309), (385, 9312), (443, 9492), (483, 9618), (484, 9621), (496, 9672), (497, 9678), (502, 9693), (510, 9723), (516, 9732), (532, 9813), (544, 9849), (551, 9879), (577, 9930), (580, 9933),

Gene: Kromp_3 Start: 2437, Stop: 3882, Start Num: 80

Candidate Starts for Kromp_3:

(Start: 80 @2437 has 4 MA's), (130, 2551), (132, 2563), (141, 2587), (153, 2617), (154, 2620), (193, 2761), (194, 2764), (252, 2890), (290, 2962), (359, 3073), (379, 3151), (380, 3154), (381, 3157), (388, 3190), (414, 3247), (460, 3397), (496, 3529), (510, 3574), (522, 3619), (526, 3643), (536, 3667), (551, 3724), (567, 3757), (570, 3760), (585, 3784), (615, 3841), (624, 3859),

Gene: Kropertea_5 Start: 2328, Stop: 3965, Start Num: 62

Candidate Starts for Kropertea_5:

(Start: 62 @2328 has 9 MA's), (107, 2403), (154, 2535), (165, 2565), (185, 2637), (199, 2700), (234, 2751), (291, 2844), (295, 2850), (322, 2883), (339, 2916), (347, 2940), (349, 2946), (355, 2967), (356, 2973), (357, 2976), (365, 2997), (381, 3063), (424, 3165), (430, 3186), (460, 3294), (461, 3300), (490, 3393), (495, 3420), (518, 3483), (530, 3552), (531, 3555), (533, 3561), (549, 3621), (557, 3651), (564, 3660), (570, 3666), (621, 3756), (626, 3768), (648, 3846), (652, 3897),

Gene: Krueger_8 Start: 2958, Stop: 4505, Start Num: 32

Candidate Starts for Krueger_8:

(20, 2826), (22, 2853), (Start: 29 @2943 has 30 MA's), (Start: 32 @2958 has 139 MA's), (99, 3063), (Start: 129 @3144 has 2 MA's), (136, 3168), (153, 3210), (185, 3312), (189, 3333), (192, 3348), (199, 3375), (238, 3453), (260, 3492), (289, 3549), (330, 3618), (337, 3642), (349, 3678), (352, 3690), (362, 3723), (373, 3756), (375, 3777), (382, 3798), (388, 3828), (423, 3861), (429, 3879), (449, 3969), (450, 3972), (455, 3987), (474, 4023), (475, 4029), (484, 4071), (496, 4122), (501, 4140), (525, 4233), (526, 4236), (540, 4281), (541, 4284), (543, 4293),

Gene: Krypton555_6 Start: 2751, Stop: 4391, Start Num: 61

Candidate Starts for Krypton555_6:

(Start: 61 @2751 has 69 MA's), (99, 2811), (154, 2961), (165, 2991), (185, 3063), (200, 3129), (234, 3177), (291, 3270), (322, 3309), (347, 3366), (356, 3399), (359, 3408), (365, 3423), (430, 3612), (447, 3684), (461, 3726), (518, 3909), (530, 3978), (533, 3987), (549, 4047), (557, 4077), (564, 4086), (611, 4161), (626, 4194),

Gene: Kudfre_13 Start: 6422, Stop: 7918, Start Num: 40

Candidate Starts for Kudfre_13:

(Start: 40 @6422 has 7 MA's), (63, 6464), (65, 6467), (101, 6533), (162, 6704), (182, 6764), (185, 6782), (228, 6890), (234, 6899), (241, 6914), (246, 6923), (265, 6965), (337, 7061), (349, 7091), (357, 7121), (359, 7127), (380, 7205), (418, 7295), (428, 7316), (463, 7442), (464, 7445), (476, 7481), (486, 7514), (496, 7559), (497, 7565), (511, 7607), (513, 7610), (518, 7619), (520, 7634), (525, 7670), (527, 7679), (529, 7685), (531, 7691), (537, 7712), (540, 7721), (553, 7772), (557, 7787), (562, 7793), (574, 7808),

Gene: Kugel_13 Start: 8737, Stop: 10203, Start Num: 59

Candidate Starts for Kugel_13:

(Start: 59 @8737 has 322 MA's), (136, 8887), (200, 9127), (219, 9181), (233, 9211), (247, 9232), (299, 9313), (349, 9376), (377, 9487), (379, 9493), (385, 9514), (417, 9589), (427, 9604), (464, 9745), (496, 9862), (501, 9880), (516, 9919), (544, 10036), (551, 10066), (556, 10078),

Gene: Kumao_14 Start: 5842, Stop: 7305, Start Num: 35

Candidate Starts for Kumao_14:

(34, 5839), (Start: 35 @5842 has 23 MA's), (Start: 82 @5920 has 8 MA's), (101, 5959), (103, 5962), (125, 6034), (138, 6067), (145, 6079), (151, 6097), (154, 6106), (165, 6136), (185, 6205), (189, 6226), (203, 6280), (225, 6307), (228, 6310), (350, 6499), (373, 6574), (382, 6616), (463, 6847), (474, 6862), (483, 6907), (491, 6934), (492, 6937), (523, 7060), (528, 7084), (574, 7210),

Gene: KyMonks1A_14 Start: 9008, Stop: 10450, Start Num: 89

Candidate Starts for KyMonks1A_14:

(Start: 50 @8942 has 1 MA's), (Start: 89 @9008 has 214 MA's), (162, 9206), (224, 9419), (349, 9614), (377, 9725), (446, 9920), (460, 9959), (483, 10037), (485, 10043), (496, 10091), (499, 10103), (502, 10112), (525, 10202), (551, 10292), (562, 10325), (573, 10337),

Gene: Kyee_12 Start: 8579, Stop: 10030, Start Num: 58

Candidate Starts for Kyee_12:

(Start: 58 @8579 has 296 MA's), (132, 8726), (136, 8738), (190, 8906), (197, 8936), (209, 8975), (215, 8993), (247, 9053), (344, 9182), (349, 9200), (377, 9311), (379, 9317), (385, 9338), (386, 9344), (411, 9413), (435, 9473), (443, 9518), (483, 9644), (484, 9647), (496, 9698), (502, 9719), (510, 9749), (532, 9839), (544, 9875), (551, 9905), (562, 9935),

Gene: Kykar_10 Start: 8234, Stop: 9700, Start Num: 59

Candidate Starts for Kykar_10:

(Start: 59 @8234 has 322 MA's), (136, 8384), (200, 8624), (219, 8678), (233, 8708), (247, 8729), (299, 8810), (349, 8873), (377, 8984), (379, 8990), (385, 9011), (417, 9086), (427, 9101), (464, 9242), (496, 9359), (501, 9377), (516, 9416), (544, 9533), (551, 9563), (556, 9575),

Gene: L5_14 Start: 8404, Stop: 9864, Start Num: 59

Candidate Starts for L5_14:

(Start: 59 @8404 has 322 MA's), (Start: 72 @8425 has 15 MA's), (101, 8464), (136, 8569), (224, 8851), (247, 8884), (283, 8956), (352, 9040), (373, 9112), (377, 9139), (378, 9142), (379, 9145), (385, 9166), (460, 9379), (491, 9484), (496, 9511), (502, 9532), (510, 9559), (516, 9568), (544, 9685), (551, 9715), (560, 9745), (573, 9760), (580, 9769),

Gene: LBerry_14 Start: 8654, Stop: 10108, Start Num: 58

Candidate Starts for LBerry_14:

(Start: 58 @8654 has 296 MA's), (Start: 90 @8684 has 2 MA's), (101, 8711), (136, 8816), (179, 8930), (193, 8996), (209, 9053), (247, 9131), (248, 9134), (349, 9275), (377, 9386), (379, 9392), (385, 9413), (443, 9578), (483, 9704), (496, 9758), (497, 9764), (502, 9779), (516, 9815), (535, 9902), (544, 9932), (551, 9962), (573, 10007), (581, 10016),

Gene: LHTSCC_12 Start: 8555, Stop: 10006, Start Num: 58

Candidate Starts for LHTSCC_12:

(Start: 58 @8555 has 296 MA's), (136, 8714), (190, 8882), (197, 8912), (209, 8951), (215, 8969), (247, 9029), (344, 9158), (349, 9176), (377, 9287), (379, 9293), (385, 9314), (386, 9320), (411, 9389), (435, 9449), (483, 9620), (484, 9623), (496, 9674), (497, 9680), (502, 9695), (510, 9725), (532, 9815), (544, 9851), (546, 9863), (551, 9881), (562, 9911),

Gene: LadyAstra_3 Start: 2290, Stop: 3654, Start Num: 76

Candidate Starts for LadyAstra_3:

(Start: 76 @2290 has 57 MA's), (125, 2404), (Start: 129 @2413 has 2 MA's), (371, 2956), (376, 2986), (443, 3175), (474, 3253), (527, 3472), (530, 3481), (552, 3559),

Gene: LadyBird_13 Start: 9194, Stop: 10654, Start Num: 59

Candidate Starts for LadyBird_13:

(Start: 59 @9194 has 322 MA's), (101, 9254), (136, 9359), (197, 9557), (224, 9641), (247, 9674), (327, 9785), (373, 9902), (377, 9929), (379, 9935), (385, 9956), (386, 9962), (400, 10007), (496, 10301), (501, 10319), (502, 10322), (510, 10349), (516, 10358), (544, 10475), (551, 10505), (560, 10535), (580, 10559),

Gene: Lambert1_13 Start: 8738, Stop: 10207, Start Num: 58

Candidate Starts for Lambert1_13:

(Start: 58 @8738 has 296 MA's), (94, 8777), (136, 8903), (169, 8987), (186, 9050), (193, 9083), (197, 9101), (209, 9140), (219, 9167), (247, 9218), (344, 9344), (347, 9356), (351, 9371), (352, 9374), (373, 9446), (377, 9473), (379, 9479), (385, 9500), (386, 9506), (392, 9530), (411, 9572), (443, 9677), (483, 9803), (484, 9806), (496, 9857), (497, 9863), (502, 9878), (510, 9908), (544, 10034), (551, 10064), (562, 10094),

Gene: Lamina13_12 Start: 8284, Stop: 9726, Start Num: 89

Candidate Starts for Lamina13_12:

(Start: 50 @8218 has 1 MA's), (Start: 89 @8284 has 214 MA's), (162, 8482), (224, 8695), (349, 8890), (352, 8902), (377, 9001), (446, 9196), (460, 9235), (483, 9313), (485, 9319), (496, 9367), (499, 9379), (502, 9388), (525, 9478), (551, 9568), (562, 9601), (573, 9613),

Gene: Landor_14 Start: 10977, Stop: 12431, Start Num: 59

Candidate Starts for Landor_14:

(Start: 59 @10977 has 322 MA's), (101, 11037), (136, 11142), (179, 11256), (200, 11352), (219, 11406), (224, 11424), (373, 11685), (377, 11712), (378, 11715), (379, 11718), (385, 11739), (400, 11790), (496, 12084), (501, 12102), (510, 12132), (516, 12141), (526, 12201), (535, 12228), (544, 12258), (551, 12288), (560, 12318), (580, 12342),

Gene: Lannister_8 Start: 4063, Stop: 5496, Start Num: 83

Candidate Starts for Lannister_8:

(70, 4054), (Start: 72 @4057 has 15 MA's), (Start: 83 @4063 has 105 MA's), (Start: 129 @4180 has 2 MA's), (148, 4228), (165, 4279), (200, 4432), (269, 4546), (298, 4588), (312, 4615), (366, 4741), (370, 4753), (392, 4846), (426, 4924), (436, 4969), (448, 5026), (520, 5263), (611, 5482),

Gene: LappelDuVide_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for LappelDuVide_12:

(Start: 58 @8578 has 296 MA's), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Larenn_14 Start: 9490, Stop: 10953, Start Num: 59

Candidate Starts for Larenn_14:

(Start: 59 @9490 has 322 MA's), (101, 9550), (132, 9643), (136, 9655), (224, 9937), (350, 10117), (352, 10126), (373, 10198), (377, 10225), (379, 10231), (385, 10252), (464, 10480), (496, 10597), (501, 10615), (502, 10618), (510, 10645), (516, 10654), (544, 10771), (551, 10801), (560, 10831), (580, 10855),

Gene: LarryKay_14 Start: 8740, Stop: 10194, Start Num: 58

Candidate Starts for LarryKay_14:

(Start: 58 @8740 has 296 MA's), (Start: 90 @8770 has 2 MA's), (101, 8797), (136, 8902), (179, 9016), (193, 9082), (209, 9139), (247, 9217), (248, 9220), (349, 9361), (377, 9472), (379, 9478), (385, 9499), (443, 9664), (483, 9790), (496, 9844), (497, 9850), (502, 9865), (516, 9901), (535, 9988), (544, 10018), (551, 10048), (573, 10093), (581, 10102),

Gene: Larva_7 Start: 2529, Stop: 4067, Start Num: 32

Candidate Starts for Larva_7:

(Start: 32 @2529 has 139 MA's), (96, 2631), (99, 2640), (116, 2694), (150, 2778), (154, 2790), (165, 2820), (170, 2838), (185, 2889), (192, 2925), (198, 2949), (199, 2952), (227, 3006), (238, 3027), (278, 3102), (289, 3123), (305, 3153), (331, 3198), (349, 3252), (362, 3297), (373, 3330), (380, 3366), (382, 3372), (423, 3435), (429, 3453), (445, 3531), (449, 3543), (450, 3546), (455, 3561), (475, 3606), (476, 3621), (482, 3642), (484, 3648), (495, 3696), (496, 3699), (501, 3717), (505, 3732), (523, 3798), (526, 3813), (533, 3834), (543, 3870), (553, 3906), (607, 3993),

Gene: Lasker_4 Start: 2274, Stop: 3605, Start Num: 88

Candidate Starts for Lasker_4:

(Start: 80 @2262 has 4 MA's), (Start: 88 @2274 has 31 MA's), (94, 2283), (130, 2385), (132, 2397), (182, 2538), (190, 2583), (194, 2598), (199, 2619), (219, 2655), (224, 2673), (271, 2754), (300, 2799), (355, 2877), (375, 2958), (379, 2970), (380, 2973), (386, 2997), (399, 3039), (441, 3150), (446, 3165), (457, 3195), (486, 3291), (551, 3531), (552, 3534), (556, 3540), (585, 3591),

Gene: LastHope_9 Start: 3053, Stop: 4603, Start Num: 32

Candidate Starts for LastHope_9:

(Start: 29 @3038 has 30 MA's), (Start: 32 @3053 has 139 MA's), (96, 3149), (99, 3158), (111, 3188), (Start: 129 @3239 has 2 MA's), (136, 3263), (150, 3296), (153, 3305), (185, 3407), (189, 3428), (192,

3443), (197, 3464), (231, 3533), (238, 3548), (260, 3587), (289, 3644), (294, 3653), (352, 3785), (362, 3818), (373, 3851), (375, 3872), (382, 3893), (388, 3923), (429, 3974), (445, 4052), (446, 4055), (449, 4064), (450, 4067), (454, 4079), (455, 4082), (460, 4094), (474, 4118), (501, 4235), (525, 4328), (526, 4331), (533, 4352), (540, 4376), (541, 4379), (543, 4388), (576, 4463), (591, 4484), (607, 4511),

Gene: LastResort_15 Start: 8380, Stop: 9840, Start Num: 59

Candidate Starts for LastResort_15:

(Start: 59 @8380 has 322 MA's), (101, 8440), (136, 8545), (163, 8611), (213, 8794), (224, 8827), (247, 8860), (373, 9091), (377, 9118), (379, 9124), (385, 9145), (389, 9166), (400, 9196), (417, 9220), (443, 9310), (453, 9340), (483, 9436), (491, 9463), (496, 9490), (501, 9508), (502, 9511), (510, 9544), (516, 9553), (544, 9670), (551, 9700), (580, 9754),

Gene: LaterM_9 Start: 3001, Stop: 4554, Start Num: 32

Candidate Starts for LaterM_9:

(17, 2758), (20, 2872), (22, 2899), (Start: 29 @2986 has 30 MA's), (Start: 32 @3001 has 139 MA's), (96, 3103), (99, 3112), (Start: 129 @3193 has 2 MA's), (136, 3217), (150, 3250), (153, 3259), (165, 3292), (185, 3361), (189, 3382), (199, 3424), (231, 3487), (238, 3502), (278, 3577), (289, 3598), (305, 3628), (352, 3739), (362, 3772), (373, 3805), (382, 3847), (388, 3877), (423, 3910), (429, 3928), (445, 4006), (449, 4018), (450, 4021), (454, 4033), (455, 4036), (474, 4072), (484, 4120), (501, 4189), (511, 4219), (526, 4285), (533, 4306), (541, 4333), (543, 4342), (553, 4378), (586, 4432),

Gene: Lavahound_7 Start: 2617, Stop: 4170, Start Num: 32

Candidate Starts for Lavahound_7:

(20, 2485), (22, 2512), (Start: 29 @2602 has 30 MA's), (Start: 32 @2617 has 139 MA's), (96, 2716), (99, 2725), (Start: 129 @2806 has 2 MA's), (136, 2830), (150, 2863), (170, 2923), (185, 2974), (189, 2995), (192, 3010), (231, 3100), (238, 3115), (278, 3190), (289, 3211), (301, 3235), (337, 3304), (349, 3340), (352, 3352), (362, 3385), (373, 3418), (375, 3439), (382, 3460), (388, 3490), (423, 3523), (429, 3541), (436, 3571), (445, 3619), (449, 3631), (450, 3634), (454, 3646), (455, 3649), (464, 3676), (484, 3733), (501, 3802), (506, 3823), (526, 3898), (533, 3919), (541, 3946), (543, 3955), (553, 3991),

Gene: Lawnathon_4 Start: 2276, Stop: 3613, Start Num: 88

Candidate Starts for Lawnathon_4:

(27, 2153), (28, 2156), (38, 2195), (41, 2198), (Start: 80 @2264 has 4 MA's), (Start: 88 @2276 has 31 MA's), (106, 2318), (108, 2324), (130, 2387), (132, 2399), (185, 2558), (216, 2657), (247, 2714), (271, 2762), (279, 2777), (318, 2822), (347, 2858), (355, 2885), (375, 2966), (379, 2978), (380, 2981), (386, 3005), (399, 3047), (446, 3173), (464, 3227), (483, 3290), (486, 3299), (495, 3341), (498, 3353), (512, 3392), (522, 3434), (526, 3458), (551, 3539), (552, 3542), (556, 3548), (585, 3599),

Gene: LeBron_5 Start: 2626, Stop: 4299, Start Num: 61

Candidate Starts for LeBron_5:

(Start: 61 @2626 has 69 MA's), (101, 2689), (116, 2743), (127, 2767), (154, 2836), (162, 2860), (185, 2938), (192, 2974), (241, 3067), (244, 3070), (291, 3145), (322, 3184), (349, 3247), (356, 3274), (357, 3277), (365, 3298), (371, 3319), (380, 3361), (381, 3364), (424, 3466), (428, 3481), (430, 3487), (450, 3568), (460, 3595), (461, 3601), (490, 3694), (495, 3721), (497, 3730), (518, 3784), (521, 3805), (524, 3826), (530, 3853), (533, 3862), (549, 3922), (557, 3952), (564, 3961), (626, 4069), (653, 4264),

Gene: LeBruni_4 Start: 2273, Stop: 3610, Start Num: 88

Candidate Starts for LeBruni_4:

(27, 2153), (28, 2156), (41, 2198), (47, 2210), (67, 2246), (Start: 80 @2261 has 4 MA's), (Start: 88 @2273 has 31 MA's), (106, 2315), (108, 2321), (130, 2384), (132, 2396), (190, 2582), (216, 2654), (247, 2711), (271, 2759), (345, 2846), (347, 2855), (352, 2873), (355, 2882), (375, 2963), (379, 2975), (380, 2978), (386, 3002), (399, 3044), (446, 3170), (464, 3224), (483, 3287), (486, 3296), (495, 3338), (498, 3350), (512, 3389), (526, 3455), (551, 3536), (556, 3545), (585, 3596),

Gene: LeMond_8 Start: 2917, Stop: 4461, Start Num: 32

Candidate Starts for LeMond_8:

(22, 2812), (Start: 29 @2902 has 30 MA's), (Start: 32 @2917 has 139 MA's), (51, 2953), (Start: 64 @2971 has 1 MA's), (Start: 95 @3016 has 1 MA's), (99, 3028), (105, 3037), (Start: 129 @3109 has 2 MA's), (136, 3133), (145, 3151), (150, 3166), (153, 3175), (189, 3298), (192, 3313), (198, 3337), (199, 3340), (238, 3418), (260, 3457), (278, 3493), (289, 3514), (311, 3553), (333, 3598), (349, 3643), (351, 3652), (362, 3688), (373, 3721), (375, 3742), (382, 3763), (388, 3793), (423, 3826), (429, 3844), (445, 3922), (449, 3934), (450, 3937), (454, 3949), (455, 3952), (495, 4084), (496, 4087), (501, 4105), (518, 4147), (523, 4186), (525, 4198), (533, 4222), (540, 4246), (541, 4249), (543, 4258), (553, 4294), (607, 4381),

Gene: Lea83_8 Start: 2923, Stop: 4488, Start Num: 32

Candidate Starts for Lea83_8:

(24, 2890), (Start: 32 @2923 has 139 MA's), (96, 3028), (99, 3037), (107, 3052), (136, 3142), (150, 3175), (154, 3187), (165, 3217), (185, 3286), (192, 3322), (199, 3349), (224, 3400), (231, 3409), (238, 3424), (278, 3499), (284, 3514), (289, 3520), (294, 3529), (301, 3544), (331, 3595), (352, 3661), (362, 3694), (365, 3700), (373, 3727), (375, 3748), (382, 3769), (423, 3832), (429, 3850), (445, 3928), (449, 3940), (450, 3943), (455, 3958), (482, 4039), (484, 4045), (495, 4093), (501, 4114), (533, 4231), (541, 4258), (543, 4267), (553, 4303),

Gene: Lebo14_10 Start: 3920, Stop: 5521, Start Num: 29

Candidate Starts for Lebo14_10:

(Start: 29 @3920 has 30 MA's), (Start: 30 @3935 has 28 MA's), (Start: 39 @3959 has 1 MA's), (Start: 81 @4025 has 1 MA's), (105, 4070), (Start: 129 @4142 has 2 MA's), (150, 4199), (153, 4208), (154, 4211), (165, 4241), (185, 4310), (189, 4331), (197, 4367), (199, 4373), (208, 4397), (231, 4433), (238, 4448), (260, 4487), (333, 4622), (337, 4631), (345, 4649), (351, 4676), (352, 4679), (362, 4712), (373, 4745), (375, 4766), (382, 4787), (423, 4850), (431, 4874), (436, 4898), (445, 4946), (449, 4958), (453, 4970), (455, 4976), (472, 5015), (499, 5129), (501, 5135), (533, 5306), (541, 5333), (543, 5342), (567, 5405), (576, 5417),

Gene: Legacy_7 Start: 4061, Stop: 5503, Start Num: 83

Candidate Starts for Legacy_7:

(70, 4052), (Start: 72 @4055 has 15 MA's), (Start: 83 @4061 has 105 MA's), (Start: 129 @4178 has 2 MA's), (148, 4226), (269, 4544), (298, 4586), (312, 4613), (334, 4646), (366, 4739), (370, 4751), (392, 4844), (426, 4922), (436, 4967), (448, 5024), (456, 5048), (520, 5261), (611, 5489),

Gene: Lego_3 Start: 2269, Stop: 3645, Start Num: 76

Candidate Starts for Lego_3:

(Start: 76 @2269 has 57 MA's), (Start: 129 @2389 has 2 MA's), (165, 2488), (175, 2527), (279, 2752), (342, 2845), (393, 3025), (456, 3193), (474, 3232), (478, 3262), (486, 3286), (530, 3460), (533, 3469), (575, 3580),

Gene: Lemur_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Lemur_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: LeoAvram_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for LeoAvram_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Leogania_15 Start: 11359, Stop: 12822, Start Num: 59

Candidate Starts for Leogania_15:

(Start: 59 @11359 has 322 MA's), (101, 11419), (136, 11524), (197, 11722), (224, 11806), (247, 11839), (373, 12067), (377, 12094), (379, 12100), (385, 12121), (386, 12127), (400, 12172), (496, 12466), (501, 12484), (502, 12487), (510, 12514), (516, 12523), (544, 12640), (551, 12670), (560, 12700), (580, 12724),

Gene: Leozinho_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Leozinho_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Lesedi_11 Start: 8443, Stop: 9885, Start Num: 89

Candidate Starts for Lesedi_11:

(Start: 50 @8377 has 1 MA's), (Start: 89 @8443 has 214 MA's), (162, 8641), (224, 8854), (349, 9049), (352, 9061), (377, 9160), (398, 9232), (446, 9355), (460, 9394), (483, 9472), (485, 9478), (496, 9526), (499, 9538), (502, 9547), (525, 9637), (551, 9727), (562, 9760), (573, 9772),

Gene: Leston_7 Start: 2791, Stop: 4326, Start Num: 32

Candidate Starts for Leston_7:

(Start: 32 @2791 has 139 MA's), (Start: 81 @2863 has 1 MA's), (99, 2899), (105, 2908), (116, 2953), (150, 3037), (154, 3049), (165, 3079), (170, 3097), (185, 3148), (192, 3184), (199, 3211), (224, 3262), (227, 3265), (231, 3271), (238, 3286), (240, 3289), (278, 3361), (289, 3382), (305, 3412), (331, 3457), (349, 3511), (362, 3556), (373, 3589), (380, 3625), (381, 3628), (382, 3631), (423, 3694), (429, 3712), (431, 3718), (445, 3790), (449, 3802), (450, 3805), (455, 3820), (475, 3865), (476, 3880), (482, 3901), (495, 3955), (496, 3958), (501, 3976), (505, 3991), (523, 4057), (526, 4072), (533, 4093), (543, 4129), (553, 4165), (607, 4252),

Gene: Lev2_10 Start: 7756, Stop: 9189, Start Num: 59

Candidate Starts for Lev2_10:

(Start: 59 @7756 has 322 MA's), (149, 7924), (153, 7939), (155, 7945), (200, 8113), (209, 8140), (247, 8218), (299, 8299), (351, 8371), (352, 8374), (373, 8446), (379, 8479), (385, 8500), (392, 8530), (417, 8575), (483, 8791), (496, 8845), (501, 8863), (516, 8902), (544, 9019), (551, 9049), (560, 9079), (581, 9103),

Gene: Levia_12 Start: 9471, Stop: 10913, Start Num: 89

Candidate Starts for Levia_12:

(Start: 50 @9405 has 1 MA's), (Start: 89 @9471 has 214 MA's), (162, 9669), (224, 9882), (349, 10077), (352, 10089), (377, 10188), (446, 10383), (460, 10422), (483, 10500), (485, 10506), (496, 10554), (499, 10566), (502, 10575), (516, 10608), (525, 10665), (551, 10755), (562, 10788), (573, 10800),

Gene: Leviathan_15 Start: 9667, Stop: 11127, Start Num: 59

Candidate Starts for Leviathan_15:

(Start: 59 @9667 has 322 MA's), (101, 9727), (136, 9832), (197, 10030), (224, 10114), (247, 10147), (349, 10291), (373, 10375), (377, 10402), (379, 10408), (385, 10429), (386, 10435), (400, 10480), (496, 10774), (501, 10792), (502, 10795), (510, 10822), (516, 10831), (544, 10948), (551, 10978), (560, 11008), (580, 11032),

Gene: Leviticus_7 Start: 4081, Stop: 5523, Start Num: 83

Candidate Starts for Leviticus_7:

(70, 4072), (Start: 72 @4075 has 15 MA's), (Start: 83 @4081 has 105 MA's), (Start: 129 @4198 has 2 MA's), (148, 4246), (269, 4564), (298, 4606), (312, 4633), (334, 4666), (366, 4759), (370, 4771), (392, 4864), (426, 4942), (436, 4987), (448, 5044), (456, 5068), (520, 5281), (611, 5509),

Gene: Lewan_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Lewan_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (112, 2734), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: Licorice_14 Start: 9300, Stop: 10742, Start Num: 89

Candidate Starts for Licorice_14:

(Start: 50 @9234 has 1 MA's), (Start: 89 @9300 has 214 MA's), (162, 9498), (224, 9711), (349, 9906), (352, 9918), (377, 10017), (446, 10212), (460, 10251), (483, 10329), (485, 10335), (496, 10383), (499, 10395), (502, 10404), (525, 10494), (551, 10584), (562, 10617), (573, 10629),

Gene: Liebe_3 Start: 2290, Stop: 3813, Start Num: 76

Candidate Starts for Liebe_3:

(Start: 76 @2290 has 57 MA's), (Start: 82 @2296 has 8 MA's), (Start: 89 @2311 has 214 MA's), (115, 2374), (Start: 129 @2413 has 2 MA's), (300, 2800), (349, 2890), (376, 2986), (443, 3175), (453, 3205), (460, 3223), (474, 3253), (478, 3283), (527, 3472), (530, 3481), (612, 3652), (633, 3697), (645, 3757),

Gene: Lika_7 Start: 4060, Stop: 5496, Start Num: 83

Candidate Starts for Lika_7:

(Start: 72 @4054 has 15 MA's), (Start: 83 @4060 has 105 MA's), (96, 4084), (106, 4108), (Start: 129 @4177 has 2 MA's), (148, 4225), (165, 4276), (225, 4459), (269, 4543), (298, 4585), (366, 4741), (370, 4753), (392, 4846), (426, 4924), (436, 4969), (448, 5026), (456, 5050), (513, 5239), (520, 5263), (611, 5482),

Gene: LilBib_13 Start: 9243, Stop: 10685, Start Num: 89

Candidate Starts for LilBib_13:

(Start: 50 @9177 has 1 MA's), (Start: 89 @9243 has 214 MA's), (162, 9441), (224, 9654), (349, 9849), (352, 9861), (377, 9960), (446, 10155), (460, 10194), (483, 10272), (485, 10278), (495, 10323), (496, 10326), (499, 10338), (502, 10347), (525, 10437), (551, 10527), (562, 10560), (573, 10572),

Gene: LilDestine_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for LilDestine_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: LilDirt_6 Start: 2528, Stop: 4066, Start Num: 32

Candidate Starts for LilDirt_6:

(Start: 32 @2528 has 139 MA's), (96, 2630), (99, 2639), (116, 2693), (150, 2777), (154, 2789), (165, 2819), (170, 2837), (185, 2888), (192, 2924), (198, 2948), (199, 2951), (227, 3005), (238, 3026), (278, 3101), (289, 3122), (305, 3152), (331, 3197), (349, 3251), (362, 3296), (373, 3329), (380, 3365), (382, 3371), (423, 3434), (429, 3452), (445, 3530), (449, 3542), (450, 3545), (455, 3560), (475, 3605), (476, 3620), (482, 3641), (484, 3647), (495, 3695), (496, 3698), (501, 3716), (505, 3731), (523, 3797), (526, 3812), (533, 3833), (543, 3869), (553, 3905), (607, 3992),

Gene: LilJank_13 Start: 6314, Stop: 7813, Start Num: 40

Candidate Starts for LilJank_13:

(Start: 40 @6314 has 7 MA's), (69, 6368), (96, 6410), (101, 6428), (108, 6446), (Start: 129 @6509 has 2 MA's), (139, 6539), (141, 6542), (146, 6548), (153, 6572), (162, 6599), (185, 6677), (234, 6794), (241, 6809), (263, 6851), (265, 6860), (322, 6929), (349, 6986), (352, 6998), (372, 7061), (373, 7064), (374, 7076), (392, 7148), (406, 7181), (418, 7190), (428, 7211), (456, 7316), (476, 7376), (486, 7409), (490, 7424), (501, 7472), (504, 7484), (511, 7502), (520, 7529), (527, 7574), (529, 7580), (537, 7607), (540, 7616), (552, 7664), (562, 7688), (614, 7772),

Gene: LilPharaoh_5 Start: 2283, Stop: 3839, Start Num: 32

Candidate Starts for LilPharaoh_5:

(21, 2157), (22, 2178), (Start: 29 @2268 has 30 MA's), (Start: 32 @2283 has 139 MA's), (Start: 81 @2352 has 1 MA's), (Start: 89 @2367 has 214 MA's), (99, 2388), (Start: 129 @2469 has 2 MA's), (136, 2493), (150, 2526), (162, 2562), (185, 2637), (189, 2658), (192, 2673), (238, 2778), (273, 2844), (289, 2874), (320, 2928), (337, 2970), (349, 3006), (352, 3018), (362, 3051), (373, 3084), (382, 3126), (388, 3156), (423, 3189), (429, 3207), (431, 3213), (440, 3267), (445, 3285), (449, 3297), (454, 3312), (455, 3315), (469, 3348), (495, 3447), (496, 3450), (501, 3468), (518, 3510), (525, 3561), (526, 3564), (533, 3585), (540, 3609), (541, 3612), (543, 3621), (553, 3657), (557, 3672), (574, 3693),

Gene: LilTurb_15 Start: 9694, Stop: 11154, Start Num: 59

Candidate Starts for LilTurb_15:

(Start: 59 @9694 has 322 MA's), (101, 9754), (136, 9859), (197, 10057), (224, 10141), (247, 10174), (349, 10318), (373, 10402), (377, 10429), (379, 10435), (385, 10456), (386, 10462), (400, 10507), (496, 10801), (501, 10819), (502, 10822), (510, 10849), (516, 10858), (544, 10975), (551, 11005), (560, 11035), (580, 11059),

Gene: Lilbunny_16 Start: 9265, Stop: 10731, Start Num: 59

Candidate Starts for Lilbunny_16:

(Start: 59 @9265 has 322 MA's), (Start: 72 @9286 has 15 MA's), (101, 9325), (131, 9412), (133, 9424), (136, 9430), (224, 9712), (258, 9766), (358, 9925), (373, 9976), (377, 10003), (379, 10009), (385, 10030), (432, 10132), (460, 10243), (502, 10396), (505, 10411), (510, 10423), (516, 10432), (527, 10498), (535, 10519), (544, 10549), (551, 10579), (560, 10609),

Gene: LilhomieP_14 Start: 6260, Stop: 7882, Start Num: 35

Candidate Starts for LilhomieP_14:

(Start: 35 @6260 has 23 MA's), (43, 6275), (105, 6383), (110, 6401), (125, 6449), (138, 6482), (145, 6494), (153, 6518), (162, 6545), (165, 6551), (185, 6623), (186, 6629), (192, 6659), (222, 6740), (225, 6746), (228, 6749), (237, 6767), (340, 6923), (349, 6941), (352, 6953), (367, 7001), (381, 7058), (382, 7061), (405, 7130), (434, 7184), (440, 7220), (456, 7271), (458, 7274), (472, 7304), (475, 7313), (491, 7379), (492, 7382), (495, 7403), (496, 7406), (513, 7457), (533, 7544), (574, 7655), (593, 7685), (611, 7721), (614, 7727), (621, 7742), (626, 7754), (647, 7838),

Gene: Lilith_14 Start: 8647, Stop: 10101, Start Num: 58

Candidate Starts for Lilith_14:

(Start: 58 @8647 has 296 MA's), (Start: 90 @8677 has 2 MA's), (101, 8704), (136, 8809), (179, 8923), (193, 8989), (209, 9046), (247, 9124), (248, 9127), (349, 9268), (377, 9379), (379, 9385), (385, 9406), (443, 9571), (483, 9697), (496, 9751), (497, 9757), (502, 9772), (516, 9808), (535, 9895), (544, 9925), (551, 9955), (573, 10000), (581, 10009),

Gene: Lilleskat_12 Start: 9893, Stop: 11380, Start Num: 59

Candidate Starts for Lilleskat_12:

(Start: 59 @9893 has 322 MA's), (101, 9956), (136, 10061), (165, 10130), (200, 10271), (213, 10310), (224, 10343), (247, 10376), (349, 10520), (359, 10556), (362, 10565), (373, 10604), (377, 10631), (379, 10637), (385, 10658), (386, 10664), (400, 10709), (417, 10733), (427, 10748), (496, 11003), (501, 11021), (510, 11051), (512, 11054), (516, 11060), (542, 11171), (544, 11177), (551, 11207), (573, 11252), (580, 11261),

Gene: Lillie_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for Lillie_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: LilyBell_3 Start: 2383, Stop: 3762, Start Num: 74

Candidate Starts for LilyBell_3:

(Start: 74 @2383 has 11 MA's), (145, 2551), (151, 2569), (163, 2605), (216, 2779), (275, 2890), (279, 2899), (327, 2980), (335, 3001), (350, 3040), (352, 3049), (367, 3097), (381, 3154), (440, 3313), (450, 3346), (471, 3400), (496, 3502), (526, 3604), (527, 3610), (589, 3754),

Gene: LindNT_9 Start: 2980, Stop: 4548, Start Num: 29

Candidate Starts for LindNT_9:

(22, 2893), (Start: 29 @2980 has 30 MA's), (Start: 32 @2995 has 139 MA's), (96, 3094), (99, 3103), (125, 3175), (Start: 129 @3184 has 2 MA's), (136, 3208), (150, 3241), (165, 3283), (185, 3352), (189, 3373), (198, 3412), (238, 3496), (278, 3571), (289, 3592), (321, 3646), (362, 3766), (373, 3799), (375, 3820), (382, 3841), (388, 3871), (423, 3904), (429, 3922), (445, 4000), (449, 4012), (450, 4015), (454, 4027), (455, 4030), (474, 4066), (484, 4114), (501, 4183), (526, 4279), (533, 4300), (541, 4327), (543, 4336), (553, 4372), (586, 4426),

Gene: LionsBait_14 Start: 10970, Stop: 12430, Start Num: 59

Candidate Starts for LionsBait_14:

(Start: 59 @10970 has 322 MA's), (101, 11030), (136, 11135), (197, 11333), (224, 11417), (247, 11450), (327, 11561), (373, 11678), (377, 11705), (379, 11711), (385, 11732), (386, 11738), (400, 11783), (496, 12077), (501, 12095), (502, 12098), (510, 12125), (516, 12134), (544, 12251), (551, 12281), (560, 12311), (580, 12335),

Gene: LittleB_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for LittleB_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: LittleCherry_10 Start: 7940, Stop: 9373, Start Num: 59

Candidate Starts for LittleCherry_10:

(Start: 59 @7940 has 322 MA's), (142, 8096), (149, 8108), (153, 8123), (155, 8129), (200, 8297), (209, 8324), (247, 8402), (299, 8483), (351, 8555), (352, 8558), (373, 8630), (379, 8663), (385, 8684), (388, 8702), (392, 8714), (417, 8759), (483, 8975), (496, 9029), (501, 9047), (516, 9086), (544, 9203), (551, 9233), (560, 9263), (581, 9287),

Gene: LittleGuy_12 Start: 8521, Stop: 9975, Start Num: 58

Candidate Starts for LittleGuy_12:

(Start: 58 @8521 has 296 MA's), (132, 8671), (136, 8683), (190, 8851), (197, 8881), (209, 8920), (215, 8938), (247, 8998), (349, 9145), (352, 9157), (377, 9256), (379, 9262), (385, 9283), (386, 9289), (411, 9358), (435, 9418), (443, 9463), (483, 9589), (484, 9592), (496, 9643), (502, 9664), (510, 9694), (532, 9784), (544, 9820), (551, 9850), (562, 9880),

Gene: LittleRon_3 Start: 2383, Stop: 3747, Start Num: 74

Candidate Starts for LittleRon_3:

(Start: 74 @2383 has 11 MA's), (145, 2551), (151, 2569), (163, 2605), (199, 2743), (216, 2779), (275, 2890), (300, 2920), (327, 2965), (335, 2986), (347, 3019), (367, 3082), (381, 3139), (440, 3298), (450, 3331), (471, 3385), (492, 3463), (496, 3487), (526, 3589), (527, 3595), (589, 3739),

Gene: LittleShirley_4 Start: 2200, Stop: 3621, Start Num: 78

Candidate Starts for LittleShirley_4:

(Start: 78 @2200 has 61 MA's), (Start: 95 @2227 has 1 MA's), (99, 2239), (148, 2368), (153, 2386), (165, 2419), (185, 2488), (192, 2524), (197, 2545), (199, 2551), (208, 2575), (211, 2578), (253, 2653), (257, 2659), (268, 2686), (280, 2704), (301, 2746), (332, 2797), (338, 2815), (349, 2848), (351, 2857), (352, 2860), (367, 2908), (370, 2917), (375, 2947), (381, 2965), (388, 2998), (431, 3055), (449, 3139), (455, 3157), (464, 3184), (472, 3196), (474, 3199), (475, 3205), (476, 3220), (486, 3253), (496, 3298), (518, 3358), (533, 3433), (534, 3439), (537, 3448), (540, 3457), (543, 3469), (572, 3532), (600, 3580),

Gene: LiyuLake_6 Start: 2759, Stop: 4402, Start Num: 61

Candidate Starts for LiyuLake_6:

(Start: 61 @2759 has 69 MA's), (99, 2819), (154, 2969), (165, 2999), (185, 3071), (200, 3137), (234, 3185), (291, 3278), (322, 3317), (347, 3374), (349, 3380), (356, 3407), (359, 3416), (365, 3431), (430, 3620), (447, 3692), (461, 3734), (518, 3917), (524, 3959), (530, 3986), (533, 3995), (549, 4055), (557, 4085), (564, 4094), (611, 4169), (626, 4202),

Gene: Lizalica_3 Start: 2267, Stop: 3640, Start Num: 76

Candidate Starts for Lizalica_3:

(Start: 76 @2267 has 57 MA's), (Start: 129 @2387 has 2 MA's), (165, 2486), (175, 2525), (279, 2750), (342, 2843), (376, 2960), (393, 3023), (456, 3188), (474, 3227), (478, 3257), (486, 3281), (530, 3455), (575, 3575),

Gene: Llorens_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for Llorens_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: Loadrie_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Loadrie_5:

(Start: 61 @2638 has 69 MA's), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356,

3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: LochMonster_12 Start: 8553, Stop: 10004, Start Num: 58

Candidate Starts for LochMonster_12:

(Start: 58 @8553 has 296 MA's), (132, 8700), (136, 8712), (190, 8880), (197, 8910), (209, 8949), (215, 8967), (247, 9027), (344, 9156), (349, 9174), (377, 9285), (379, 9291), (385, 9312), (386, 9318), (411, 9387), (435, 9447), (443, 9492), (483, 9618), (484, 9621), (496, 9672), (497, 9678), (502, 9693), (510, 9723), (532, 9813), (544, 9849), (551, 9879), (562, 9909),

Gene: Lockley_12 Start: 8622, Stop: 10064, Start Num: 89

Candidate Starts for Lockley_12:

(Start: 50 @8556 has 1 MA's), (Start: 89 @8622 has 214 MA's), (162, 8820), (224, 9033), (349, 9228), (352, 9240), (377, 9339), (446, 9534), (460, 9573), (483, 9651), (485, 9657), (495, 9702), (496, 9705), (499, 9717), (502, 9726), (516, 9759), (525, 9816), (551, 9906), (562, 9939), (573, 9951),

Gene: Lökk_16 Start: 10919, Stop: 12376, Start Num: 59

Candidate Starts for Lökk_16:

(Start: 59 @10919 has 322 MA's), (101, 10979), (109, 11003), (132, 11072), (136, 11084), (200, 11294), (209, 11321), (224, 11366), (279, 11459), (352, 11555), (373, 11627), (377, 11654), (379, 11660), (385, 11681), (400, 11732), (496, 12026), (501, 12044), (505, 12062), (510, 12074), (516, 12083), (532, 12164), (535, 12170), (544, 12200), (546, 12212), (551, 12230), (560, 12260),

Gene: Lolly9_6 Start: 2762, Stop: 4405, Start Num: 61

Candidate Starts for Lolly9_6:

(Start: 61 @2762 has 69 MA's), (99, 2822), (151, 2963), (154, 2972), (165, 3002), (185, 3074), (200, 3140), (234, 3188), (291, 3281), (322, 3320), (347, 3377), (349, 3383), (352, 3395), (356, 3410), (359, 3419), (365, 3434), (430, 3623), (439, 3656), (447, 3695), (461, 3737), (518, 3920), (524, 3962), (530, 3989), (533, 3998), (549, 4058), (557, 4088), (564, 4097), (611, 4172), (626, 4205),

Gene: London_3 Start: 2266, Stop: 3642, Start Num: 76

Candidate Starts for London_3:

(Start: 76 @2266 has 57 MA's), (Start: 129 @2386 has 2 MA's), (165, 2485), (279, 2749), (393, 3022), (453, 3181), (474, 3229), (478, 3259), (486, 3283), (530, 3457), (575, 3577),

Gene: LoneWolf_14 Start: 9740, Stop: 11221, Start Num: 59

Candidate Starts for LoneWolf_14:

(Start: 59 @9740 has 322 MA's), (101, 9803), (136, 9908), (179, 10022), (200, 10118), (224, 10190), (247, 10223), (349, 10367), (359, 10403), (362, 10412), (373, 10451), (377, 10478), (379, 10484), (384, 10502), (385, 10505), (400, 10556), (417, 10580), (427, 10595), (496, 10850), (501, 10868), (510, 10898), (516, 10907), (542, 11018), (544, 11024), (551, 11054), (573, 11099), (580, 11108),

Gene: Loofah_8 Start: 3938, Stop: 5407, Start Num: 83

Candidate Starts for Loofah_8:

(Start: 83 @3938 has 105 MA's), (Start: 129 @4055 has 2 MA's), (148, 4103), (151, 4115), (165, 4154), (185, 4247), (265, 4412), (269, 4418), (370, 4625), (387, 4700), (392, 4718), (397, 4730), (399, 4736), (401, 4742), (436, 4883), (446, 4934), (448, 4940), (475, 5009), (485, 5054), (501, 5120), (520, 5177), (541, 5267), (551, 5309), (611, 5393),

Gene: Looper_16 Start: 8380, Stop: 9840, Start Num: 59

Candidate Starts for Looper_16:

(Start: 59 @8380 has 322 MA's), (101, 8440), (136, 8545), (163, 8611), (213, 8794), (224, 8827), (247, 8860), (373, 9091), (377, 9118), (379, 9124), (385, 9145), (389, 9166), (400, 9196), (417, 9220), (443, 9310), (453, 9340), (483, 9436), (491, 9463), (496, 9490), (501, 9508), (502, 9511), (510, 9544), (516, 9553), (544, 9670), (551, 9700), (580, 9754),

Gene: Lopton_13 Start: 10050, Stop: 11492, Start Num: 89

Candidate Starts for Lopton_13:

(Start: 50 @9984 has 1 MA's), (Start: 89 @10050 has 214 MA's), (162, 10248), (224, 10461), (349, 10656), (350, 10659), (377, 10767), (398, 10839), (446, 10962), (460, 11001), (483, 11079), (485, 11085), (496, 11133), (499, 11145), (502, 11154), (525, 11244), (551, 11334), (562, 11367), (573, 11379),

Gene: LordVader_4 Start: 2194, Stop: 3615, Start Num: 78

Candidate Starts for LordVader_4:

(Start: 78 @2194 has 61 MA's), (Start: 95 @2221 has 1 MA's), (99, 2233), (148, 2362), (153, 2380), (165, 2413), (185, 2482), (189, 2503), (190, 2509), (192, 2518), (197, 2539), (199, 2545), (208, 2569), (211, 2572), (227, 2599), (253, 2647), (257, 2653), (268, 2680), (280, 2698), (315, 2758), (332, 2791), (349, 2842), (351, 2851), (367, 2902), (370, 2911), (375, 2941), (380, 2956), (381, 2959), (382, 2962), (388, 2992), (449, 3133), (455, 3151), (464, 3178), (472, 3190), (474, 3193), (475, 3199), (476, 3214), (486, 3247), (496, 3292), (518, 3352), (519, 3355), (523, 3391), (524, 3394), (534, 3433), (537, 3442), (538, 3445), (540, 3451), (541, 3454), (543, 3463), (572, 3526), (600, 3574),

Gene: Lorde_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Lorde_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Lorelei_7 Start: 4047, Stop: 5489, Start Num: 72

Candidate Starts for Lorelei_7:

(Start: 72 @4047 has 15 MA's), (Start: 83 @4053 has 105 MA's), (96, 4077), (106, 4101), (Start: 129 @4170 has 2 MA's), (148, 4218), (151, 4230), (165, 4269), (200, 4422), (225, 4452), (269, 4536), (298, 4578), (337, 4644), (366, 4734), (370, 4746), (387, 4821), (392, 4839), (426, 4917), (436, 4962), (448, 5019), (513, 5232), (520, 5256), (551, 5388), (611, 5475),

Gene: Lorenzo_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Lorenzo_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Loser_16 Start: 10998, Stop: 12458, Start Num: 59

Candidate Starts for Loser_16:

(Start: 59 @10998 has 322 MA's), (Start: 84 @11028 has 3 MA's), (101, 11058), (132, 11151), (136, 11163), (224, 11445), (349, 11622), (351, 11631), (373, 11706), (377, 11733), (379, 11739), (385, 11760), (417, 11835), (496, 12105), (501, 12123), (502, 12126), (505, 12141), (510, 12153), (516, 12162), (544, 12279), (551, 12309), (560, 12339), (580, 12363),

Gene: Louie6_14 Start: 8741, Stop: 10195, Start Num: 58

Candidate Starts for Louie6_14:

(Start: 58 @8741 has 296 MA's), (Start: 90 @8771 has 2 MA's), (101, 8798), (136, 8903), (179, 9017), (193, 9083), (209, 9140), (247, 9218), (248, 9221), (349, 9362), (377, 9473), (379, 9479), (385, 9500), (443, 9665), (483, 9791), (496, 9845), (497, 9851), (502, 9866), (516, 9902), (535, 9989), (544, 10019), (551, 10049), (573, 10094), (581, 10103),

Gene: Lowa_14 Start: 8646, Stop: 10100, Start Num: 58

Candidate Starts for Lowa_14:

(Start: 58 @8646 has 296 MA's), (Start: 90 @8676 has 2 MA's), (101, 8703), (136, 8808), (179, 8922), (193, 8988), (209, 9045), (247, 9123), (248, 9126), (349, 9267), (377, 9378), (379, 9384), (385, 9405), (443, 9570), (483, 9696), (496, 9750), (497, 9756), (502, 9771), (516, 9807), (535, 9894), (544, 9924), (551, 9954), (573, 9999), (581, 10008),

Gene: Luchador_13 Start: 9300, Stop: 10760, Start Num: 59

Candidate Starts for Luchador_13:

(Start: 59 @9300 has 322 MA's), (Start: 66 @9312 has 4 MA's), (101, 9360), (136, 9465), (144, 9477), (165, 9534), (224, 9747), (350, 9927), (373, 10008), (377, 10035), (379, 10041), (384, 10059), (385, 10062), (389, 10083), (400, 10113), (415, 10134), (427, 10152), (440, 10215), (460, 10275), (496, 10407), (502, 10428), (510, 10455), (516, 10464), (526, 10524), (544, 10581), (551, 10611), (560, 10641), (580, 10665),

Gene: Lucia_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Lucia_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Lucivia_13 Start: 9833, Stop: 11290, Start Num: 59

Candidate Starts for Lucivia_13:

(Start: 59 @9833 has 322 MA's), (97, 9878), (101, 9893), (136, 9998), (224, 10280), (247, 10313), (352, 10469), (373, 10541), (377, 10568), (379, 10574), (385, 10595), (400, 10646), (490, 10910), (496, 10940), (502, 10961), (505, 10976), (510, 10988), (516, 10997), (535, 11084), (544, 11114), (551, 11144), (560, 11174), (610, 11240),

Gene: Lucyedi_14 Start: 9278, Stop: 10750, Start Num: 59

Candidate Starts for Lucyedi_14:

(Start: 59 @9278 has 322 MA's), (101, 9338), (131, 9425), (132, 9431), (136, 9443), (224, 9725), (247, 9758), (349, 9902), (351, 9911), (373, 9986), (376, 10010), (377, 10013), (379, 10019), (385, 10040), (496, 10385), (501, 10403), (502, 10406), (510, 10433), (516, 10442), (544, 10559), (551, 10589), (560, 10619), (573, 10634), (580, 10643), (619, 10703),

Gene: LugYA_16 Start: 8652, Stop: 10106, Start Num: 58

Candidate Starts for LugYA_16:

(Start: 58 @8652 has 296 MA's), (Start: 90 @8682 has 2 MA's), (101, 8709), (136, 8814), (179, 8928), (193, 8994), (209, 9051), (247, 9129), (248, 9132), (349, 9273), (377, 9384), (379, 9390), (385, 9411), (443, 9576), (483, 9702), (496, 9756), (497, 9762), (502, 9777), (516, 9813), (535, 9900), (544, 9930), (551, 9960), (573, 10005), (581, 10014),

Gene: Lumos_6 Start: 2756, Stop: 4399, Start Num: 61

Candidate Starts for Lumos_6:

(Start: 61 @2756 has 69 MA's), (99, 2816), (154, 2966), (165, 2996), (185, 3068), (200, 3134), (234, 3182), (291, 3275), (322, 3314), (356, 3404), (359, 3413), (365, 3428), (430, 3617), (439, 3650), (447, 3689), (461, 3731), (518, 3914), (524, 3956), (530, 3983), (533, 3992), (549, 4052), (557, 4082), (564, 4091), (611, 4166), (626, 4199),

Gene: Lunahalos_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for Lunahalos_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: LunarLander_12 Start: 8410, Stop: 9852, Start Num: 89

Candidate Starts for LunarLander_12:

(Start: 50 @8344 has 1 MA's), (Start: 89 @8410 has 214 MA's), (162, 8608), (224, 8821), (349, 9016), (352, 9028), (377, 9127), (398, 9199), (446, 9322), (460, 9361), (483, 9439), (485, 9445), (496, 9493), (499, 9505), (502, 9514), (525, 9604), (551, 9694), (562, 9727), (573, 9739),

Gene: Lunsford_13 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Lunsford_13:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Lynnae_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Lynnae_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (424, 3478), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: MA5_12 Start: 7793, Stop: 9259, Start Num: 59

Candidate Starts for MA5_12:

(Start: 59 @7793 has 322 MA's), (94, 7838), (136, 7964), (169, 8048), (186, 8111), (193, 8144), (197, 8162), (209, 8201), (347, 8417), (373, 8507), (376, 8531), (377, 8534), (379, 8540), (385, 8561), (386, 8567), (443, 8738), (483, 8864), (484, 8867), (496, 8918), (497, 8924), (502, 8939), (510, 8969), (544, 9095), (551, 9125), (562, 9155),

Gene: MAckerman_5 Start: 2625, Stop: 4298, Start Num: 61

Candidate Starts for MAckerman_5:

(Start: 61 @2625 has 69 MA's), (101, 2688), (127, 2766), (154, 2835), (162, 2859), (185, 2937), (192, 2973), (241, 3066), (244, 3069), (291, 3144), (322, 3183), (349, 3246), (356, 3273), (357, 3276), (365, 3297), (371, 3318), (380, 3360), (381, 3363), (424, 3465), (428, 3480), (430, 3486), (450, 3567), (460, 3594), (461, 3600), (490, 3693), (495, 3720), (497, 3729), (518, 3783), (521, 3804), (524, 3825), (530, 3852), (533, 3861), (549, 3921), (557, 3951), (564, 3960), (626, 4068), (653, 4263),

Gene: MK4_12 Start: 8064, Stop: 9530, Start Num: 59

Candidate Starts for MK4_12:

(Start: 59 @8064 has 322 MA's), (94, 8109), (136, 8235), (169, 8319), (186, 8382), (193, 8415), (197, 8433), (209, 8472), (219, 8499), (347, 8688), (373, 8778), (376, 8802), (377, 8805), (379, 8811), (385, 8832), (386, 8838), (443, 9009), (483, 9135), (484, 9138), (496, 9189), (497, 9195), (502, 9210), (510, 9240), (544, 9366), (551, 9396), (562, 9426),

Gene: MPlant7149_11 Start: 8260, Stop: 9702, Start Num: 89

Candidate Starts for MPlant7149_11:

(Start: 50 @8194 has 1 MA's), (Start: 89 @8260 has 214 MA's), (162, 8458), (224, 8671), (349, 8866), (350, 8869), (377, 8977), (398, 9049), (446, 9172), (460, 9211), (483, 9289), (485, 9295), (496, 9343), (499, 9355), (502, 9364), (525, 9454), (551, 9544), (562, 9577), (573, 9589),

Gene: MUWow_3 Start: 2335, Stop: 3684, Start Num: 80

Candidate Starts for MUWow_3:

(67, 2320), (Start: 80 @2335 has 4 MA's), (Start: 88 @2347 has 31 MA's), (106, 2389), (108, 2395), (130, 2458), (132, 2470), (185, 2629), (216, 2728), (247, 2785), (271, 2833), (279, 2848), (318, 2893), (347, 2929), (355, 2956), (375, 3037), (379, 3049), (380, 3052), (386, 3076), (399, 3118), (446, 3244), (464, 3298), (483, 3361), (495, 3412), (498, 3424), (512, 3463), (526, 3529), (551, 3610), (552, 3613), (556, 3619), (585, 3670),

Gene: MaCh_13 Start: 9781, Stop: 11238, Start Num: 59

Candidate Starts for MaCh_13:

(Start: 59 @9781 has 322 MA's), (97, 9826), (101, 9841), (136, 9946), (224, 10228), (247, 10261), (352, 10417), (373, 10489), (377, 10516), (379, 10522), (385, 10543), (400, 10594), (490, 10858), (496, 10888), (502, 10909), (505, 10924), (510, 10936), (516, 10945), (535, 11032), (544, 11062), (551, 11092), (560, 11122), (610, 11188),

Gene: MaGuCo_3 Start: 2290, Stop: 3672, Start Num: 76

Candidate Starts for MaGuCo_3:

(Start: 76 @2290 has 57 MA's), (Start: 82 @2296 has 8 MA's), (Start: 89 @2311 has 214 MA's), (115, 2374), (Start: 129 @2413 has 2 MA's), (300, 2800), (376, 2986), (443, 3175), (453, 3205), (460, 3223), (474, 3253), (478, 3283), (527, 3472), (530, 3481),

Gene: Mabel_13 Start: 9848, Stop: 11305, Start Num: 59

Candidate Starts for Mabel_13:

(Start: 59 @9848 has 322 MA's), (97, 9893), (101, 9908), (136, 10013), (224, 10295), (247, 10328), (352, 10484), (373, 10556), (377, 10583), (379, 10589), (385, 10610), (400, 10661), (490, 10925), (496, 10955), (502, 10976), (505, 10991), (510, 11003), (516, 11012), (535, 11099), (544, 11129), (551, 11159), (560, 11189), (610, 11255),

Gene: Mabodamaca_3 Start: 2378, Stop: 3763, Start Num: 76

Candidate Starts for Mabodamaca_3:

(Start: 76 @2378 has 57 MA's), (Start: 129 @2498 has 2 MA's), (165, 2597), (189, 2687), (225, 2756), (272, 2840), (375, 3059), (397, 3134), (428, 3194), (465, 3335), (478, 3377), (527, 3560), (530, 3569), (533, 3578), (605, 3731),

Gene: MacKat_9 Start: 3031, Stop: 4599, Start Num: 29

Candidate Starts for MacKat_9:

(22, 2944), (Start: 29 @3031 has 30 MA's), (Start: 32 @3046 has 139 MA's), (96, 3145), (99, 3154), (125, 3226), (Start: 129 @3235 has 2 MA's), (136, 3259), (150, 3292), (153, 3301), (165, 3334), (185, 3403), (189, 3424), (199, 3466), (231, 3532), (238, 3547), (278, 3622), (289, 3643), (321, 3697), (362, 3817), (373, 3850), (375, 3871), (382, 3892), (388, 3922), (423, 3955), (429, 3973), (440, 4033), (445, 4051), (449, 4063), (450, 4066), (454, 4078), (455, 4081), (474, 4117), (484, 4165), (496, 4216), (501, 4234), (526, 4330), (533, 4351), (541, 4378), (543, 4387), (553, 4423),

Gene: MacnCheese_9 Start: 3139, Stop: 4695, Start Num: 32

Candidate Starts for MacnCheese_9:

(Start: 29 @3124 has 30 MA's), (Start: 32 @3139 has 139 MA's), (96, 3232), (99, 3241), (136, 3346), (150, 3379), (154, 3391), (185, 3490), (189, 3511), (192, 3526), (199, 3553), (224, 3604), (231, 3613), (238, 3628), (278, 3703), (284, 3718), (289, 3724), (306, 3757), (349, 3853), (352, 3865), (362, 3898), (365, 3904), (373, 3931), (388, 4003), (423, 4036), (429, 4054), (445, 4132), (449, 4144), (450, 4147), (455, 4162), (464, 4189), (482, 4243), (484, 4249), (495, 4297), (501, 4318), (533, 4438), (541, 4465), (543, 4474), (553, 4510),

Gene: MadMarie_14 Start: 8656, Stop: 10110, Start Num: 58

Candidate Starts for MadMarie_14:

(Start: 58 @8656 has 296 MA's), (Start: 90 @8686 has 2 MA's), (101, 8713), (136, 8818), (179, 8932), (193, 8998), (209, 9055), (247, 9133), (248, 9136), (349, 9277), (377, 9388), (379, 9394), (385, 9415), (443, 9580), (483, 9706), (496, 9760), (497, 9766), (502, 9781), (516, 9817), (535, 9904), (544, 9934), (551, 9964), (573, 10009), (581, 10018),

Gene: Madiba_4 Start: 2198, Stop: 3619, Start Num: 78

Candidate Starts for Madiba_4:

(Start: 78 @2198 has 61 MA's), (Start: 95 @2225 has 1 MA's), (99, 2237), (148, 2366), (153, 2384), (165, 2417), (185, 2486), (192, 2522), (197, 2543), (199, 2549), (208, 2573), (211, 2576), (253, 2651), (257, 2657), (268, 2684), (280, 2702), (301, 2744), (332, 2795), (338, 2813), (349, 2846), (351, 2855), (352, 2858), (367, 2906), (370, 2915), (375, 2945), (381, 2963), (388, 2996), (431, 3053), (449, 3137), (455, 3155), (464, 3182), (472, 3194), (474, 3197), (475, 3203), (476, 3218), (486, 3251), (518, 3356), (533, 3431), (534, 3437), (537, 3446), (540, 3455), (543, 3467), (572, 3530), (600, 3578),

Gene: Magnar_12 Start: 8408, Stop: 9850, Start Num: 89

Candidate Starts for Magnar_12:

(Start: 50 @8342 has 1 MA's), (Start: 89 @8408 has 214 MA's), (162, 8606), (224, 8819), (349, 9014), (377, 9125), (446, 9320), (460, 9359), (483, 9437), (485, 9443), (496, 9491), (499, 9503), (502, 9512), (525, 9602), (551, 9692), (562, 9725), (573, 9737),

Gene: Magnito_11 Start: 8159, Stop: 9601, Start Num: 89

Candidate Starts for Magnito_11:

(Start: 50 @8093 has 1 MA's), (Start: 89 @8159 has 214 MA's), (162, 8357), (224, 8570), (349, 8765), (352, 8777), (377, 8876), (398, 8948), (446, 9071), (460, 9110), (483, 9188), (485, 9194), (496, 9242), (499, 9254), (502, 9263), (525, 9353), (551, 9443), (562, 9476), (573, 9488),

Gene: Mainiac_14 Start: 8647, Stop: 10101, Start Num: 58

Candidate Starts for Mainiac_14:

(Start: 58 @8647 has 296 MA's), (Start: 90 @8677 has 2 MA's), (101, 8704), (136, 8809), (179, 8923), (193, 8989), (209, 9046), (247, 9124), (248, 9127), (349, 9268), (377, 9379), (379, 9385), (385, 9406), (443, 9571), (483, 9697), (496, 9751), (497, 9757), (502, 9772), (516, 9808), (535, 9895), (544, 9925), (551, 9955), (573, 10000), (581, 10009),

Gene: MajorMajor_12 Start: 8157, Stop: 9614, Start Num: 59

Candidate Starts for MajorMajor_12:

(Start: 59 @8157 has 322 MA's), (Start: 72 @8178 has 15 MA's), (101, 8217), (136, 8322), (224, 8604), (247, 8637), (283, 8709), (352, 8793), (373, 8865), (377, 8892), (379, 8898), (385, 8919), (460, 9132), (491, 9237), (496, 9264), (502, 9285), (510, 9312), (516, 9321), (544, 9438), (551, 9468), (560, 9498), (580, 9522),

Gene: Makemake_12 Start: 9892, Stop: 11334, Start Num: 89

Candidate Starts for Makemake_12:

(Start: 50 @9826 has 1 MA's), (Start: 89 @9892 has 214 MA's), (162, 10090), (224, 10303), (349, 10498), (350, 10501), (352, 10510), (377, 10609), (398, 10681), (446, 10804), (460, 10843), (483, 10921), (485, 10927), (495, 10972), (496, 10975), (499, 10987), (502, 10996), (525, 11086), (551, 11176), (562, 11209), (573, 11221),

Gene: MalagasyRose_8 Start: 3844, Stop: 5301, Start Num: 66

Candidate Starts for MalagasyRose_8:

(Start: 66 @3844 has 4 MA's), (87, 3871), (Start: 89 @3874 has 214 MA's), (120, 3973), (122, 3976), (154, 4051), (157, 4060), (162, 4075), (165, 4081), (181, 4129), (185, 4150), (191, 4183), (192, 4186), (200, 4216), (202, 4225), (214, 4261), (232, 4300), (263, 4360), (279, 4390), (291, 4414), (304, 4438), (314, 4453), (325, 4471), (349, 4528), (351, 4537), (352, 4540), (364, 4579), (365, 4582), (376, 4633), (381, 4648), (389, 4684), (445, 4813), (460, 4855), (467, 4876), (474, 4888), (488, 4951), (490, 4957), (527, 5107), (530, 5116), (541, 5152), (560, 5218), (567, 5227), (598, 5278),

Gene: Malec_14 Start: 9495, Stop: 10958, Start Num: 59

Candidate Starts for Malec_14:

(Start: 59 @9495 has 322 MA's), (101, 9555), (132, 9648), (136, 9660), (224, 9942), (350, 10122), (352, 10131), (373, 10203), (377, 10230), (379, 10236), (385, 10257), (464, 10485), (496, 10602), (501, 10620), (502, 10623), (510, 10650), (516, 10659), (544, 10776), (551, 10806), (560, 10836), (580, 10860),

Gene: Malinsilva_16 Start: 8646, Stop: 10100, Start Num: 58

Candidate Starts for Malinsilva_16:

(Start: 58 @8646 has 296 MA's), (Start: 90 @8676 has 2 MA's), (101, 8703), (136, 8808), (179, 8922), (193, 8988), (209, 9045), (247, 9123), (248, 9126), (349, 9267), (377, 9378), (379, 9384), (385, 9405), (443, 9570), (483, 9696), (496, 9750), (497, 9756), (502, 9771), (516, 9807), (535, 9894), (544, 9924), (551, 9954), (573, 9999), (581, 10008),

Gene: Malthus_10 Start: 3922, Stop: 5508, Start Num: 30

Candidate Starts for Malthus_10:

(Start: 29 @3907 has 30 MA's), (Start: 30 @3922 has 28 MA's), (Start: 39 @3946 has 1 MA's), (Start: 81 @4012 has 1 MA's), (105, 4057), (Start: 129 @4129 has 2 MA's), (150, 4186), (153, 4195), (154, 4198), (165, 4228), (185, 4297), (189, 4318), (197, 4354), (199, 4360), (208, 4384), (231, 4420), (238, 4435), (260, 4474), (333, 4609), (337, 4618), (345, 4636), (351, 4663), (352, 4666), (362, 4699), (373, 4732), (375, 4753), (382, 4774), (423, 4837), (431, 4861), (436, 4885), (445, 4933), (449, 4945), (453, 4957), (455, 4963), (472, 5002), (499, 5116), (501, 5122), (533, 5293), (541, 5320), (543, 5329), (567, 5392), (576, 5404),

Gene: Maminiaina_14 Start: 9663, Stop: 11144, Start Num: 59

Candidate Starts for Maminiaina_14:

(Start: 59 @9663 has 322 MA's), (101, 9726), (136, 9831), (179, 9945), (200, 10041), (224, 10113), (247, 10146), (349, 10290), (373, 10374), (377, 10401), (379, 10407), (385, 10428), (427, 10518), (496, 10773), (501, 10791), (510, 10821), (516, 10830), (542, 10941), (544, 10947), (551, 10977), (573, 11022), (580, 11031),

Gene: Manatee_13 Start: 8692, Stop: 10134, Start Num: 89

Candidate Starts for Manatee_13:

(Start: 50 @8626 has 1 MA's), (Start: 89 @8692 has 214 MA's), (162, 8890), (224, 9103), (349, 9298), (352, 9310), (377, 9409), (398, 9481), (446, 9604), (460, 9643), (483, 9721), (485, 9727), (496, 9775), (499, 9787), (502, 9796), (525, 9886), (551, 9976), (562, 10009), (573, 10021),

Gene: Maneekul_7 Start: 4052, Stop: 5494, Start Num: 72

Candidate Starts for Maneekul_7:

(Start: 72 @4052 has 15 MA's), (Start: 83 @4058 has 105 MA's), (96, 4082), (106, 4106), (Start: 129 @4175 has 2 MA's), (148, 4223), (151, 4235), (165, 4274), (200, 4427), (225, 4457), (269, 4541), (298, 4583), (334, 4643), (337, 4649), (366, 4739), (370, 4751), (387, 4826), (392, 4844), (426, 4922), (436, 4967), (448, 5024), (513, 5237), (520, 5261), (551, 5393), (611, 5480),

Gene: Manilisa_7 Start: 3225, Stop: 4700, Start Num: 85

Candidate Starts for Manilisa_7:

(Start: 85 @3225 has 6 MA's), (102, 3258), (132, 3348), (156, 3408), (164, 3429), (183, 3492), (191, 3537), (192, 3540), (193, 3543), (196, 3558), (197, 3561), (199, 3567), (212, 3600), (230, 3624), (254, 3672), (277, 3717), (286, 3735), (293, 3747), (298, 3756), (300, 3762), (314, 3786), (340, 3834), (362, 3906), (373, 3939), (383, 3984), (396, 4032), (413, 4113), (428, 4146), (433, 4161), (437, 4185), (445, 4227), (460, 4269), (472, 4296), (476, 4320), (493, 4386), (495, 4395), (515, 4446), (525, 4497), (540, 4545), (550, 4584), (568, 4629), (603, 4683),

Gene: Manu_15 Start: 8726, Stop: 10180, Start Num: 58

Candidate Starts for Manu_15:

(Start: 58 @8726 has 296 MA's), (Start: 90 @8756 has 2 MA's), (101, 8783), (136, 8888), (179, 9002), (193, 9068), (209, 9125), (247, 9203), (248, 9206), (349, 9347), (377, 9458), (379, 9464), (385, 9485), (443, 9650), (483, 9776), (496, 9830), (497, 9836), (502, 9851), (516, 9887), (535, 9974), (544, 10004), (551, 10034), (573, 10079), (581, 10088),

Gene: Mapleville_4 Start: 2346, Stop: 3683, Start Num: 88

Candidate Starts for Mapleville_4:

(47, 2283), (67, 2319), (Start: 80 @2334 has 4 MA's), (Start: 88 @2346 has 31 MA's), (108, 2394), (130, 2457), (132, 2469), (216, 2727), (247, 2784), (271, 2832), (345, 2919), (347, 2928), (355, 2955), (375, 3036), (379, 3048), (380, 3051), (386, 3075), (441, 3228), (446, 3243), (464, 3297), (483, 3360), (486, 3369), (498, 3423), (512, 3462), (526, 3528), (551, 3609), (556, 3618), (585, 3669),

Gene: MarQuardt_14 Start: 8655, Stop: 10109, Start Num: 58

Candidate Starts for MarQuardt_14:

(Start: 58 @8655 has 296 MA's), (Start: 90 @8685 has 2 MA's), (101, 8712), (136, 8817), (179, 8931), (193, 8997), (209, 9054), (247, 9132), (248, 9135), (349, 9276), (377, 9387), (379, 9393), (385, 9414), (443, 9579), (483, 9705), (496, 9759), (497, 9765), (502, 9780), (516, 9816), (535, 9903), (544, 9933), (551, 9963), (573, 10008), (581, 10017),

Gene: Marav_10 Start: 4776, Stop: 6257, Start Num: 83

Candidate Starts for Marav_10:

(Start: 83 @4776 has 105 MA's), (Start: 129 @4893 has 2 MA's), (148, 4941), (151, 4953), (165, 4992), (189, 5106), (269, 5256), (298, 5298), (312, 5325), (367, 5454), (370, 5463), (379, 5505), (387, 5538), (392, 5556), (399, 5574), (402, 5583), (418, 5664), (432, 5700), (436, 5721), (446, 5772), (448, 5778), (501, 5958), (520, 6015), (541, 6105), (543, 6114), (611, 6243),

Gene: Marcell_12 Start: 8619, Stop: 10061, Start Num: 89

Candidate Starts for Marcell_12:

(Start: 50 @8553 has 1 MA's), (Start: 89 @8619 has 214 MA's), (162, 8817), (224, 9030), (349, 9225), (352, 9237), (377, 9336), (446, 9531), (460, 9570), (483, 9648), (485, 9654), (496, 9702), (499, 9714), (502, 9723), (525, 9813), (551, 9903), (562, 9936), (573, 9948),

Gene: Marchesa_12 Start: 8244, Stop: 9710, Start Num: 59

Candidate Starts for Marchesa_12:

(Start: 59 @8244 has 322 MA's), (136, 8415), (169, 8499), (186, 8562), (193, 8595), (197, 8613), (209, 8652), (219, 8679), (245, 8727), (347, 8868), (350, 8877), (373, 8958), (376, 8982), (377, 8985), (379,

8991), (385, 9012), (386, 9018), (443, 9189), (483, 9315), (484, 9318), (496, 9369), (497, 9375), (502, 9390), (510, 9420), (544, 9546), (551, 9576), (562, 9606),

Gene: Marchy_11 Start: 8246, Stop: 9688, Start Num: 89

Candidate Starts for Marchy_11:

(Start: 50 @8180 has 1 MA's), (Start: 89 @8246 has 214 MA's), (162, 8444), (224, 8657), (233, 8669), (247, 8693), (349, 8852), (352, 8864), (377, 8963), (446, 9158), (460, 9197), (483, 9275), (485, 9281), (496, 9329), (499, 9341), (502, 9350), (525, 9440), (551, 9530), (562, 9563), (573, 9575),

Gene: Marco3_12 Start: 8891, Stop: 10333, Start Num: 89

Candidate Starts for Marco3_12:

(Start: 50 @8825 has 1 MA's), (Start: 89 @8891 has 214 MA's), (162, 9089), (224, 9302), (349, 9497), (352, 9509), (377, 9608), (446, 9803), (460, 9842), (483, 9920), (485, 9926), (496, 9974), (499, 9986), (502, 9995), (525, 10085), (551, 10175), (562, 10208), (573, 10220),

Gene: Marcoliusprime_5 Start: 2088, Stop: 3593, Start Num: 30

Candidate Starts for Marcoliusprime_5:

(Start: 30 @2088 has 28 MA's), (Start: 59 @2133 has 322 MA's), (Start: 81 @2154 has 1 MA's), (99, 2190), (Start: 129 @2271 has 2 MA's), (150, 2328), (154, 2340), (162, 2364), (165, 2370), (182, 2421), (185, 2439), (189, 2460), (197, 2496), (199, 2502), (231, 2562), (278, 2652), (289, 2673), (303, 2700), (330, 2742), (331, 2748), (337, 2766), (352, 2814), (362, 2847), (365, 2853), (375, 2901), (382, 2922), (388, 2952), (423, 2985), (429, 3003), (431, 3009), (436, 3033), (449, 3093), (453, 3105), (455, 3111), (472, 3150), (501, 3270), (518, 3312), (540, 3411), (541, 3414), (543, 3423), (557, 3474), (594, 3519), (629, 3570),

Gene: Marge_13 Start: 9142, Stop: 10584, Start Num: 89

Candidate Starts for Marge_13:

(Start: 50 @9076 has 1 MA's), (Start: 89 @9142 has 214 MA's), (162, 9340), (224, 9553), (349, 9748), (377, 9859), (446, 10054), (460, 10093), (483, 10171), (485, 10177), (496, 10225), (499, 10237), (502, 10246), (525, 10336), (551, 10426), (562, 10459), (573, 10471),

Gene: Margo_13 Start: 8763, Stop: 10232, Start Num: 58

Candidate Starts for Margo_13:

(Start: 58 @8763 has 296 MA's), (94, 8802), (136, 8928), (169, 9012), (186, 9075), (193, 9108), (197, 9126), (209, 9165), (219, 9192), (247, 9243), (344, 9369), (347, 9381), (351, 9396), (352, 9399), (373, 9471), (376, 9495), (377, 9498), (379, 9504), (385, 9525), (386, 9531), (392, 9555), (411, 9597), (443, 9702), (483, 9828), (484, 9831), (496, 9882), (497, 9888), (502, 9903), (510, 9933), (544, 10059), (551, 10089), (562, 10119),

Gene: Marie_14 Start: 8652, Stop: 10106, Start Num: 58

Candidate Starts for Marie_14:

(Start: 58 @8652 has 296 MA's), (Start: 90 @8682 has 2 MA's), (101, 8709), (136, 8814), (179, 8928), (193, 8994), (209, 9051), (247, 9129), (248, 9132), (349, 9273), (377, 9384), (379, 9390), (385, 9411), (443, 9576), (483, 9702), (496, 9756), (497, 9762), (502, 9777), (516, 9813), (535, 9900), (544, 9930), (551, 9960), (573, 10005), (581, 10014),

Gene: Marius_15 Start: 8726, Stop: 10180, Start Num: 58

Candidate Starts for Marius_15:

(Start: 58 @8726 has 296 MA's), (Start: 90 @8756 has 2 MA's), (101, 8783), (136, 8888), (179, 9002), (193, 9068), (209, 9125), (247, 9203), (248, 9206), (349, 9347), (377, 9458), (379, 9464), (385, 9485), (427, 9575), (443, 9650), (483, 9776), (496, 9830), (497, 9836), (502, 9851), (516, 9887), (535, 9974), (544, 10004), (551, 10034), (573, 10079), (581, 10088),

Gene: MarkPhew_8 Start: 2868, Stop: 4424, Start Num: 32

Candidate Starts for MarkPhew_8:

(22, 2763), (Start: 29 @2853 has 30 MA's), (Start: 32 @2868 has 139 MA's), (51, 2904), (Start: 64 @2922 has 1 MA's), (99, 2979), (105, 2988), (Start: 129 @3060 has 2 MA's), (136, 3084), (145, 3102), (150, 3117), (153, 3126), (189, 3249), (192, 3264), (198, 3288), (199, 3291), (238, 3369), (260, 3408), (289, 3465), (331, 3540), (337, 3558), (349, 3594), (351, 3603), (362, 3639), (373, 3672), (375, 3693), (382, 3714), (423, 3777), (429, 3795), (445, 3873), (449, 3885), (450, 3888), (454, 3900), (455, 3903), (495, 4035), (501, 4056), (506, 4077), (518, 4098), (523, 4137), (525, 4149), (526, 4152), (540, 4197), (541, 4200), (543, 4209), (553, 4245),

Gene: Marker_4 Start: 2198, Stop: 3619, Start Num: 78

Candidate Starts for Marker_4:

(Start: 78 @2198 has 61 MA's), (Start: 95 @2225 has 1 MA's), (99, 2237), (148, 2366), (153, 2384), (165, 2417), (185, 2486), (192, 2522), (197, 2543), (199, 2549), (208, 2573), (211, 2576), (253, 2651), (257, 2657), (268, 2684), (280, 2702), (301, 2744), (332, 2795), (338, 2813), (349, 2846), (351, 2855), (352, 2858), (367, 2906), (370, 2915), (375, 2945), (381, 2963), (388, 2996), (431, 3053), (449, 3137), (455, 3155), (464, 3182), (472, 3194), (474, 3197), (475, 3203), (476, 3218), (486, 3251), (518, 3356), (533, 3431), (534, 3437), (537, 3446), (540, 3455), (543, 3467), (572, 3530), (600, 3578),

Gene: Maroc7_11 Start: 8432, Stop: 9874, Start Num: 89

Candidate Starts for Maroc7_11:

(Start: 50 @8366 has 1 MA's), (Start: 89 @8432 has 214 MA's), (162, 8630), (224, 8843), (349, 9038), (352, 9050), (377, 9149), (446, 9344), (460, 9383), (483, 9461), (485, 9467), (496, 9515), (499, 9527), (502, 9536), (525, 9626), (551, 9716), (562, 9749), (573, 9761),

Gene: Marsha_12 Start: 8876, Stop: 10318, Start Num: 89

Candidate Starts for Marsha_12:

(Start: 50 @8810 has 1 MA's), (Start: 89 @8876 has 214 MA's), (136, 9011), (162, 9074), (224, 9287), (349, 9482), (352, 9494), (377, 9593), (446, 9788), (460, 9827), (483, 9905), (485, 9911), (496, 9959), (499, 9971), (502, 9980), (525, 10070), (551, 10160), (562, 10193), (573, 10205),

Gene: Marshawn_10 Start: 3463, Stop: 5013, Start Num: 32

Candidate Starts for Marshawn_10:

(20, 3331), (22, 3358), (Start: 29 @3448 has 30 MA's), (Start: 32 @3463 has 139 MA's), (33, 3472), (Start: 66 @3523 has 4 MA's), (99, 3577), (125, 3649), (Start: 129 @3658 has 2 MA's), (136, 3682), (150, 3715), (153, 3724), (185, 3826), (189, 3847), (192, 3862), (199, 3889), (202, 3901), (238, 3967), (260, 4006), (289, 4063), (330, 4132), (337, 4156), (351, 4201), (352, 4204), (362, 4237), (373, 4270), (375, 4291), (382, 4312), (423, 4375), (429, 4393), (431, 4399), (440, 4453), (445, 4471), (449, 4483), (455, 4501), (464, 4528), (496, 4636), (501, 4654), (523, 4735), (526, 4750), (533, 4771), (540, 4795), (541, 4798), (543, 4807), (553, 4843),

Gene: MaryBeth_12 Start: 8854, Stop: 10296, Start Num: 89

Candidate Starts for MaryBeth_12:

(Start: 50 @8788 has 1 MA's), (Start: 89 @8854 has 214 MA's), (162, 9052), (224, 9265), (349, 9460), (352, 9472), (377, 9571), (446, 9766), (460, 9805), (483, 9883), (485, 9889), (496, 9937), (499, 9949), (502, 9958), (525, 10048), (551, 10138), (562, 10171), (573, 10183),

Gene: MaryV_27 Start: 9704, Stop: 11143, Start Num: 62

Candidate Starts for MaryV_27:

(44, 9671), (Start: 58 @9695 has 296 MA's), (Start: 62 @9704 has 9 MA's), (96, 9755), (101, 9767), (106, 9779), (151, 9911), (153, 9917), (154, 9920), (155, 9923), (162, 9944), (165, 9950), (184, 10010), (185, 10019), (189, 10040), (221, 10118), (340, 10298), (352, 10328), (357, 10346), (362, 10361), (371, 10388), (377, 10421), (381, 10433), (382, 10436), (393, 10481), (418, 10517), (428, 10538),

(442, 10601), (460, 10652), (483, 10724), (496, 10778), (498, 10787), (522, 10868), (527, 10898),
(540, 10940), (546, 10967), (567, 11018), (574, 11027), (614, 11084), (631, 11123),

Gene: MarysWell_9 Start: 7907, Stop: 9340, Start Num: 59

Candidate Starts for MarysWell_9:

(Start: 59 @7907 has 322 MA's), (132, 8042), (149, 8075), (153, 8090), (155, 8096), (200, 8264), (209, 8291), (247, 8369), (299, 8450), (351, 8522), (352, 8525), (373, 8597), (379, 8630), (385, 8651), (392, 8681), (398, 8696), (417, 8726), (483, 8942), (496, 8996), (501, 9014), (516, 9053), (544, 9170), (551, 9200), (560, 9230), (581, 9254),

Gene: MaterMagnus_4 Start: 2274, Stop: 3605, Start Num: 88

Candidate Starts for MaterMagnus_4:

(Start: 80 @2262 has 4 MA's), (Start: 88 @2274 has 31 MA's), (94, 2283), (130, 2385), (132, 2397), (182, 2538), (190, 2583), (194, 2598), (199, 2619), (219, 2655), (224, 2673), (271, 2754), (300, 2799), (355, 2877), (375, 2958), (379, 2970), (380, 2973), (386, 2997), (399, 3039), (441, 3150), (446, 3165), (457, 3195), (486, 3291), (551, 3531), (552, 3534), (556, 3540), (585, 3591),

Gene: Maureen_3 Start: 2290, Stop: 3813, Start Num: 76

Candidate Starts for Maureen_3:

(Start: 76 @2290 has 57 MA's), (Start: 82 @2296 has 8 MA's), (Start: 89 @2311 has 214 MA's), (115, 2374), (Start: 129 @2413 has 2 MA's), (300, 2800), (349, 2890), (376, 2986), (443, 3175), (453, 3205), (460, 3223), (474, 3253), (478, 3283), (527, 3472), (530, 3481), (612, 3652), (633, 3697), (645, 3757),

Gene: Maverick_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Maverick_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Maxo_12 Start: 8579, Stop: 10030, Start Num: 58

Candidate Starts for Maxo_12:

(Start: 58 @8579 has 296 MA's), (132, 8726), (136, 8738), (190, 8906), (197, 8936), (209, 8975), (215, 8993), (247, 9053), (344, 9182), (349, 9200), (352, 9212), (377, 9311), (379, 9317), (385, 9338), (386, 9344), (411, 9413), (435, 9473), (443, 9518), (483, 9644), (484, 9647), (496, 9698), (502, 9719), (510, 9749), (532, 9839), (544, 9875), (546, 9887), (551, 9905), (562, 9935),

Gene: Mayonnaise_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Mayonnaise_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Mazhar510_12 Start: 8579, Stop: 10030, Start Num: 58

Candidate Starts for Mazhar510_12:

(Start: 58 @8579 has 296 MA's), (132, 8726), (136, 8738), (190, 8906), (197, 8936), (209, 8975), (215, 8993), (247, 9053), (344, 9182), (349, 9200), (352, 9212), (377, 9311), (379, 9317), (385, 9338), (386, 9344), (411, 9413), (435, 9473), (443, 9518), (483, 9644), (484, 9647), (496, 9698), (502, 9719), (510, 9749), (532, 9839), (544, 9875), (551, 9905), (562, 9935),

Gene: McFly_16 Start: 9284, Stop: 10747, Start Num: 59

Candidate Starts for McFly_16:

(Start: 59 @9284 has 322 MA's), (Start: 72 @9305 has 15 MA's), (101, 9344), (131, 9431), (133, 9443), (136, 9449), (224, 9731), (358, 9944), (373, 9995), (377, 10022), (379, 10028), (385, 10049), (502, 10415), (510, 10442), (516, 10451), (526, 10511), (544, 10568), (551, 10598), (560, 10628), (582, 10655),

Gene: McGuire_13 Start: 8737, Stop: 10179, Start Num: 89

Candidate Starts for McGuire_13:

(Start: 50 @8671 has 1 MA's), (Start: 89 @8737 has 214 MA's), (162, 8935), (224, 9148), (349, 9343), (352, 9355), (377, 9454), (446, 9649), (460, 9688), (483, 9766), (485, 9772), (496, 9820), (499, 9832), (502, 9841), (525, 9931), (551, 10021), (562, 10054), (573, 10066),

Gene: McMater_9 Start: 3102, Stop: 4652, Start Num: 32

Candidate Starts for McMater_9:

(22, 2997), (Start: 29 @3087 has 30 MA's), (Start: 32 @3102 has 139 MA's), (99, 3204), (Start: 129 @3285 has 2 MA's), (136, 3309), (153, 3351), (185, 3453), (189, 3474), (192, 3489), (231, 3579), (238, 3594), (278, 3669), (301, 3714), (321, 3744), (330, 3759), (331, 3765), (337, 3783), (349, 3819), (352, 3831), (362, 3864), (373, 3897), (375, 3918), (380, 3933), (382, 3939), (388, 3969), (423, 4002), (429, 4020), (445, 4098), (449, 4110), (450, 4113), (454, 4125), (455, 4128), (474, 4164), (495, 4260), (496, 4263), (501, 4281), (518, 4323), (525, 4374), (533, 4398), (540, 4422), (541, 4425), (543, 4434), (564, 4494), (591, 4530), (607, 4557),

Gene: McSinger_13 Start: 8817, Stop: 10259, Start Num: 89

Candidate Starts for McSinger_13:

(Start: 50 @8751 has 1 MA's), (Start: 89 @8817 has 214 MA's), (162, 9015), (224, 9228), (349, 9423), (377, 9534), (398, 9606), (446, 9729), (460, 9768), (483, 9846), (485, 9852), (496, 9900), (499, 9912), (502, 9921), (525, 10011), (551, 10101), (562, 10134), (573, 10146),

Gene: Mdavu_5 Start: 2283, Stop: 3839, Start Num: 32

Candidate Starts for Mdavu_5:

(21, 2157), (22, 2178), (Start: 29 @2268 has 30 MA's), (Start: 32 @2283 has 139 MA's), (Start: 81 @2352 has 1 MA's), (Start: 89 @2367 has 214 MA's), (99, 2388), (Start: 129 @2469 has 2 MA's), (136, 2493), (150, 2526), (162, 2562), (185, 2637), (189, 2658), (192, 2673), (238, 2778), (273, 2844), (289, 2874), (320, 2928), (337, 2970), (349, 3006), (352, 3018), (362, 3051), (373, 3084), (382, 3126), (388, 3156), (423, 3189), (429, 3207), (431, 3213), (440, 3267), (445, 3285), (449, 3297), (454, 3312), (455, 3315), (469, 3348), (495, 3447), (496, 3450), (501, 3468), (518, 3510), (525, 3561), (526, 3564), (533, 3585), (540, 3609), (541, 3612), (543, 3621), (553, 3657), (557, 3672), (574, 3693),

Gene: MeaningOfLife_9 Start: 2996, Stop: 4552, Start Num: 32

Candidate Starts for MeaningOfLife_9:

(22, 2894), (Start: 29 @2981 has 30 MA's), (Start: 32 @2996 has 139 MA's), (96, 3095), (99, 3104), (125, 3176), (Start: 129 @3185 has 2 MA's), (136, 3209), (150, 3242), (153, 3251), (165, 3284), (185, 3353), (199, 3416), (231, 3482), (238, 3497), (278, 3572), (289, 3593), (321, 3647), (362, 3767), (373, 3800), (375, 3821), (382, 3842), (388, 3872), (423, 3905), (429, 3923), (440, 3983), (445, 4001), (449, 4013), (450, 4016), (454, 4028), (455, 4031), (474, 4067), (484, 4115), (496, 4166), (501, 4184), (526, 4280), (533, 4301), (541, 4328), (543, 4337), (553, 4373),

Gene: Medusa_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Medusa_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: MeeZee_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for MeeZee_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: MegTheThird_12 Start: 8001, Stop: 9485, Start Num: 59

Candidate Starts for MegTheThird_12:

(Start: 59 @8001 has 322 MA's), (101, 8061), (131, 8148), (136, 8166), (165, 8235), (179, 8280), (200, 8376), (213, 8415), (224, 8448), (327, 8592), (349, 8625), (359, 8661), (362, 8670), (373, 8709), (377, 8736), (379, 8742), (385, 8763), (400, 8814), (446, 8937), (496, 9108), (501, 9126), (510, 9156), (516, 9165), (542, 9276), (544, 9282), (551, 9312), (573, 9357), (580, 9366),

Gene: Megsy_9 Start: 2995, Stop: 4548, Start Num: 32

Candidate Starts for Megsy_9:

(20, 2866), (22, 2893), (Start: 29 @2980 has 30 MA's), (Start: 32 @2995 has 139 MA's), (96, 3094), (99, 3103), (125, 3175), (Start: 129 @3184 has 2 MA's), (136, 3208), (150, 3241), (165, 3283), (185, 3352), (189, 3373), (198, 3412), (231, 3481), (238, 3496), (278, 3571), (289, 3592), (321, 3646), (362, 3766), (373, 3799), (375, 3820), (382, 3841), (388, 3871), (423, 3904), (429, 3922), (445, 4000), (449, 4012), (450, 4015), (454, 4027), (455, 4030), (474, 4066), (484, 4114), (501, 4183), (526, 4279), (533, 4300), (541, 4327), (543, 4336), (553, 4372), (586, 4426),

Gene: Melvin_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Melvin_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: MetalQZJ_12 Start: 8854, Stop: 10296, Start Num: 89

Candidate Starts for MetalQZJ_12:

(Start: 50 @8788 has 1 MA's), (Start: 89 @8854 has 214 MA's), (162, 9052), (224, 9265), (349, 9460), (352, 9472), (377, 9571), (446, 9766), (460, 9805), (483, 9883), (485, 9889), (496, 9937), (499, 9949), (502, 9958), (525, 10048), (551, 10138), (562, 10171), (573, 10183),

Gene: Methuselah_14 Start: 8737, Stop: 10191, Start Num: 58

Candidate Starts for Methuselah_14:

(Start: 58 @8737 has 296 MA's), (Start: 90 @8767 has 2 MA's), (101, 8794), (136, 8899), (179, 9013), (193, 9079), (209, 9136), (247, 9214), (248, 9217), (349, 9358), (377, 9469), (379, 9475), (385, 9496), (443, 9661), (483, 9787), (496, 9841), (497, 9847), (502, 9862), (516, 9898), (535, 9985), (544, 10015), (551, 10045), (573, 10090), (581, 10099),

Gene: Meyran_5 Start: 3062, Stop: 4528, Start Num: 85

Candidate Starts for Meyran_5:

(Start: 85 @3062 has 6 MA's), (102, 3095), (132, 3185), (156, 3245), (160, 3257), (164, 3266), (183, 3329), (191, 3374), (192, 3377), (193, 3380), (196, 3395), (197, 3398), (199, 3404), (212, 3437), (230, 3461), (254, 3509), (277, 3554), (286, 3572), (293, 3584), (298, 3593), (300, 3599), (314, 3623), (340, 3671), (373, 3776), (383, 3821), (396, 3869), (413, 3950), (428, 3983), (433, 3998), (437, 4022), (445, 4064), (460, 4106), (472, 4133), (476, 4157), (493, 4223), (495, 4232), (515, 4283), (525, 4334), (540, 4382), (546, 4409), (550, 4421), (568, 4466), (603, 4511),

Gene: Micasa_10 Start: 7908, Stop: 9341, Start Num: 59

Candidate Starts for Micasa_10:

(Start: 59 @7908 has 322 MA's), (142, 8064), (149, 8076), (153, 8091), (155, 8097), (200, 8265), (209, 8292), (247, 8370), (299, 8451), (351, 8523), (352, 8526), (373, 8598), (379, 8631), (385, 8652), (388, 8670), (392, 8682), (417, 8727), (483, 8943), (496, 8997), (501, 9015), (516, 9054), (544, 9171), (551, 9201), (560, 9231), (581, 9255),

Gene: Michley_12 Start: 8602, Stop: 10044, Start Num: 89

Candidate Starts for Michley_12:

(Start: 50 @8536 has 1 MA's), (Start: 89 @8602 has 214 MA's), (162, 8800), (224, 9013), (349, 9208), (352, 9220), (377, 9319), (446, 9514), (460, 9553), (483, 9631), (485, 9637), (496, 9685), (499, 9697), (502, 9706), (525, 9796), (551, 9886), (562, 9919), (573, 9931),

Gene: Microwolf_14 Start: 8655, Stop: 10109, Start Num: 58

Candidate Starts for Microwolf_14:

(Start: 58 @8655 has 296 MA's), (Start: 90 @8685 has 2 MA's), (101, 8712), (136, 8817), (179, 8931), (193, 8997), (209, 9054), (247, 9132), (248, 9135), (349, 9276), (377, 9387), (379, 9393), (385, 9414), (443, 9579), (483, 9705), (496, 9759), (497, 9765), (502, 9780), (516, 9816), (535, 9903), (544, 9933), (551, 9963), (573, 10008), (581, 10017),

Gene: MiculUcigas_13 Start: 9268, Stop: 10728, Start Num: 59

Candidate Starts for MiculUcigas_13:

(Start: 59 @9268 has 322 MA's), (101, 9328), (132, 9421), (136, 9433), (224, 9715), (247, 9748), (350, 9895), (352, 9904), (373, 9976), (377, 10003), (379, 10009), (385, 10030), (464, 10258), (496, 10375), (502, 10396), (510, 10423), (516, 10432), (544, 10549), (551, 10579), (560, 10609), (580, 10633),

Gene: Midas2_10 Start: 7907, Stop: 9340, Start Num: 59

Candidate Starts for Midas2_10:

(Start: 59 @7907 has 322 MA's), (142, 8063), (149, 8075), (153, 8090), (155, 8096), (200, 8264), (209, 8291), (247, 8369), (299, 8450), (351, 8522), (352, 8525), (373, 8597), (379, 8630), (385, 8651), (388, 8669), (392, 8681), (417, 8726), (483, 8942), (496, 8996), (501, 9014), (516, 9053), (544, 9170), (551, 9200), (560, 9230), (581, 9254),

Gene: MidnightRain_4 Start: 2274, Stop: 3605, Start Num: 88

Candidate Starts for MidnightRain_4:

(Start: 80 @2262 has 4 MA's), (Start: 88 @2274 has 31 MA's), (94, 2283), (130, 2385), (132, 2397), (182, 2538), (190, 2583), (194, 2598), (199, 2619), (219, 2655), (224, 2673), (271, 2754), (300, 2799), (355, 2877), (375, 2958), (379, 2970), (380, 2973), (386, 2997), (399, 3039), (441, 3150), (446, 3165), (457, 3195), (486, 3291), (551, 3531), (552, 3534), (556, 3540), (585, 3591),

Gene: Miko_16 Start: 10888, Stop: 12345, Start Num: 59

Candidate Starts for Miko_16:

(Start: 59 @10888 has 322 MA's), (101, 10948), (109, 10972), (136, 11053), (200, 11263), (209, 11290), (224, 11335), (279, 11428), (352, 11524), (373, 11596), (377, 11623), (379, 11629), (385, 11650), (386, 11656), (400, 11701), (496, 11995), (501, 12013), (505, 12031), (510, 12043), (516, 12052), (535, 12139), (544, 12169), (546, 12181), (551, 12199), (560, 12229),

Gene: Milcery_10 Start: 7944, Stop: 9377, Start Num: 59

Candidate Starts for Milcery_10:

(Start: 59 @7944 has 322 MA's), (142, 8100), (149, 8112), (153, 8127), (155, 8133), (200, 8301), (209, 8328), (247, 8406), (299, 8487), (351, 8559), (352, 8562), (373, 8634), (379, 8667), (385, 8688), (388, 8706), (392, 8718), (417, 8763), (483, 8979), (496, 9033), (501, 9051), (516, 9090), (544, 9207), (551, 9237), (560, 9267), (581, 9291),

Gene: Miley16_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Miley16_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: MilleFeuille_9 Start: 8170, Stop: 9612, Start Num: 89

Candidate Starts for MilleFeuille_9:

(Start: 50 @8104 has 1 MA's), (Start: 89 @8170 has 214 MA's), (162, 8368), (224, 8581), (349, 8776), (352, 8788), (377, 8887), (446, 9082), (460, 9121), (483, 9199), (485, 9205), (495, 9250), (496, 9253), (499, 9265), (502, 9274), (516, 9307), (525, 9364), (551, 9454), (562, 9487), (573, 9499),

Gene: Millski_12 Start: 8581, Stop: 10032, Start Num: 58

Candidate Starts for Millski_12:

(Start: 58 @8581 has 296 MA's), (132, 8728), (136, 8740), (190, 8908), (197, 8938), (209, 8977), (215, 8995), (247, 9055), (344, 9184), (349, 9202), (352, 9214), (377, 9313), (379, 9319), (385, 9340), (386, 9346), (411, 9415), (435, 9475), (443, 9520), (483, 9646), (484, 9649), (496, 9700), (502, 9721), (510, 9751), (532, 9841), (544, 9877), (551, 9907), (562, 9937),

Gene: Milly_5 Start: 2088, Stop: 3593, Start Num: 30

Candidate Starts for Milly_5:

(Start: 30 @2088 has 28 MA's), (Start: 59 @2133 has 322 MA's), (Start: 81 @2154 has 1 MA's), (99, 2190), (Start: 129 @2271 has 2 MA's), (150, 2328), (154, 2340), (162, 2364), (165, 2370), (182, 2421), (185, 2439), (189, 2460), (197, 2496), (199, 2502), (208, 2526), (231, 2562), (278, 2652), (289, 2673), (303, 2700), (330, 2742), (331, 2748), (337, 2766), (352, 2814), (362, 2847), (375, 2901), (382, 2922), (388, 2952), (423, 2985), (429, 3003), (431, 3009), (436, 3033), (449, 3093), (453, 3105), (455, 3111), (472, 3150), (501, 3270), (518, 3312), (540, 3411), (541, 3414), (543, 3423), (557, 3474), (594, 3519), (629, 3570),

Gene: MinecraftSteve_16 Start: 8502, Stop: 9962, Start Num: 59

Candidate Starts for MinecraftSteve_16:

(Start: 59 @8502 has 322 MA's), (101, 8562), (136, 8667), (163, 8733), (213, 8916), (224, 8949), (247, 8982), (373, 9213), (377, 9240), (379, 9246), (385, 9267), (389, 9288), (400, 9318), (417, 9342), (443, 9432), (453, 9462), (483, 9558), (491, 9585), (496, 9612), (501, 9630), (502, 9633), (510, 9666), (516, 9675), (544, 9792), (551, 9822), (580, 9876),

Gene: MiniLon_6 Start: 2762, Stop: 4405, Start Num: 61

Candidate Starts for MiniLon_6:

(Start: 61 @2762 has 69 MA's), (99, 2822), (151, 2963), (154, 2972), (165, 3002), (185, 3074), (200, 3140), (234, 3188), (291, 3281), (322, 3320), (347, 3377), (349, 3383), (352, 3395), (356, 3410), (359, 3419), (365, 3434), (430, 3623), (439, 3656), (447, 3695), (461, 3737), (518, 3920), (524, 3962), (530, 3989), (533, 3998), (549, 4058), (557, 4088), (564, 4097), (611, 4172), (626, 4205),

Gene: MiniMac_6 Start: 2762, Stop: 4405, Start Num: 61

Candidate Starts for MiniMac_6:

(Start: 61 @2762 has 69 MA's), (99, 2822), (154, 2972), (165, 3002), (185, 3074), (200, 3140), (234, 3188), (291, 3281), (322, 3320), (347, 3377), (349, 3383), (352, 3395), (356, 3410), (359, 3419), (365, 3434), (430, 3623), (439, 3656), (447, 3695), (461, 3737), (518, 3920), (524, 3962), (530, 3989), (533, 3998), (549, 4058), (557, 4088), (564, 4097), (611, 4172), (626, 4205),

Gene: MiniMommy_3 Start: 2299, Stop: 3663, Start Num: 76

Candidate Starts for MiniMommy_3:

(Start: 76 @2299 has 57 MA's), (125, 2413), (Start: 129 @2422 has 2 MA's), (165, 2521), (370, 2962), (371, 2965), (443, 3184), (474, 3262), (527, 3481), (530, 3490),

Gene: Minispark_11 Start: 7969, Stop: 9453, Start Num: 59

Candidate Starts for Minispark_11:

(Start: 59 @7969 has 322 MA's), (101, 8029), (131, 8116), (136, 8134), (200, 8344), (224, 8416), (259, 8473), (327, 8560), (349, 8593), (359, 8629), (362, 8638), (373, 8677), (377, 8704), (379, 8710), (385, 8731), (386, 8737), (400, 8782), (427, 8821), (496, 9079), (501, 9097), (510, 9127), (516, 9136), (542, 9247), (544, 9253), (551, 9283), (573, 9328), (580, 9337),

Gene: Miramae_12 Start: 8532, Stop: 9986, Start Num: 58

Candidate Starts for Miramae_12:

(Start: 58 @8532 has 296 MA's), (132, 8682), (136, 8694), (186, 8841), (190, 8862), (197, 8892), (209, 8931), (215, 8949), (247, 9009), (344, 9138), (349, 9156), (352, 9168), (377, 9267), (379, 9273), (385, 9294), (386, 9300), (411, 9369), (443, 9474), (464, 9537), (483, 9600), (484, 9603), (496, 9654), (497, 9660), (502, 9675), (510, 9705), (532, 9795), (544, 9831), (551, 9861), (562, 9891), (630, 9972),

Gene: Miryou_7 Start: 2766, Stop: 4301, Start Num: 32

Candidate Starts for Miryou_7:

(Start: 32 @2766 has 139 MA's), (Start: 81 @2838 has 1 MA's), (99, 2874), (105, 2883), (116, 2928), (150, 3012), (154, 3024), (165, 3054), (170, 3072), (185, 3123), (192, 3159), (199, 3186), (224, 3237), (227, 3240), (231, 3246), (238, 3261), (240, 3264), (278, 3336), (289, 3357), (305, 3387), (331, 3432), (349, 3486), (362, 3531), (373, 3564), (380, 3600), (381, 3603), (382, 3606), (423, 3669), (429, 3687), (431, 3693), (445, 3765), (449, 3777), (450, 3780), (455, 3795), (475, 3840), (476, 3855), (482, 3876), (495, 3930), (496, 3933), (501, 3951), (505, 3966), (523, 4032), (526, 4047), (533, 4068), (538, 4086), (543, 4104), (553, 4140), (607, 4227),

Gene: Misha28_4 Start: 2202, Stop: 3623, Start Num: 78

Candidate Starts for Misha28_4:

(Start: 78 @2202 has 61 MA's), (Start: 95 @2229 has 1 MA's), (99, 2241), (148, 2370), (153, 2388), (155, 2394), (165, 2421), (185, 2490), (192, 2526), (197, 2547), (199, 2553), (208, 2577), (211, 2580), (227, 2607), (253, 2655), (257, 2661), (268, 2688), (280, 2706), (332, 2799), (338, 2817), (349, 2850), (351, 2859), (352, 2862), (367, 2910), (370, 2919), (375, 2949), (381, 2967), (388, 3000), (431, 3057), (449, 3141), (455, 3159), (464, 3186), (472, 3198), (474, 3201), (475, 3207), (476, 3222), (486, 3255), (518, 3360), (533, 3435), (534, 3441), (537, 3450), (540, 3459), (543, 3471), (572, 3534), (600, 3582),

Gene: Misomonster_16 Start: 8737, Stop: 10191, Start Num: 58

Candidate Starts for Misomonster_16:

(Start: 58 @8737 has 296 MA's), (Start: 90 @8767 has 2 MA's), (101, 8794), (136, 8899), (179, 9013), (193, 9079), (209, 9136), (247, 9214), (248, 9217), (349, 9358), (377, 9469), (379, 9475), (385, 9496), (443, 9661), (483, 9787), (496, 9841), (497, 9847), (502, 9862), (516, 9898), (535, 9985), (544, 10015), (551, 10045), (573, 10090), (581, 10099),

Gene: MissDaisy_10 Start: 3878, Stop: 5464, Start Num: 30

Candidate Starts for MissDaisy_10:

(Start: 29 @3863 has 30 MA's), (Start: 30 @3878 has 28 MA's), (Start: 39 @3902 has 1 MA's), (Start: 81 @3968 has 1 MA's), (105, 4013), (Start: 129 @4085 has 2 MA's), (150, 4142), (151, 4145), (154, 4154), (165, 4184), (185, 4253), (189, 4274), (192, 4289), (197, 4310), (199, 4316), (208, 4340), (231, 4376), (238, 4391), (260, 4430), (333, 4565), (337, 4574), (345, 4592), (351, 4619), (352, 4622), (362, 4655), (373, 4688), (375, 4709), (382, 4730), (423, 4793), (431, 4817), (436, 4841), (445, 4889), (449, 4901), (453, 4913), (455, 4919), (472, 4958), (499, 5072), (501, 5078), (533, 5249), (541, 5276), (543,

5285), (567, 5348), (576, 5360),

Gene: MissSwiss_3 Start: 2285, Stop: 3661, Start Num: 76

Candidate Starts for MissSwiss_3:

(Start: 76 @2285 has 57 MA's), (125, 2396), (Start: 129 @2405 has 2 MA's), (165, 2504), (208, 2666), (372, 2951), (393, 3041), (453, 3200), (474, 3248), (478, 3278), (486, 3302), (530, 3476),

Gene: MissWhite_13 Start: 8253, Stop: 9710, Start Num: 59

Candidate Starts for MissWhite_13:

(Start: 59 @8253 has 322 MA's), (Start: 72 @8274 has 15 MA's), (101, 8313), (136, 8418), (224, 8700), (283, 8805), (352, 8892), (373, 8964), (377, 8991), (379, 8997), (385, 9018), (496, 9363), (502, 9384), (510, 9411), (516, 9420), (544, 9537), (551, 9567), (560, 9597), (580, 9621),

Gene: Mitti_10 Start: 3935, Stop: 5521, Start Num: 30

Candidate Starts for Mitti_10:

(Start: 29 @3920 has 30 MA's), (Start: 30 @3935 has 28 MA's), (Start: 39 @3959 has 1 MA's), (Start: 81 @4025 has 1 MA's), (105, 4070), (150, 4199), (153, 4208), (154, 4211), (165, 4241), (185, 4310), (189, 4331), (197, 4367), (199, 4373), (208, 4397), (231, 4433), (238, 4448), (260, 4487), (333, 4622), (337, 4631), (345, 4649), (351, 4676), (352, 4679), (362, 4712), (373, 4745), (375, 4766), (382, 4787), (423, 4850), (431, 4874), (436, 4898), (445, 4946), (449, 4958), (453, 4970), (455, 4976), (472, 5015), (499, 5129), (501, 5135), (533, 5306), (541, 5333), (543, 5342), (567, 5405), (576, 5417),

Gene: MkaliMitinis3_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for MkaliMitinis3_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: Mkhuseli_13 Start: 8763, Stop: 10205, Start Num: 89

Candidate Starts for Mkhuseli_13:

(Start: 50 @8697 has 1 MA's), (Start: 89 @8763 has 214 MA's), (136, 8898), (162, 8961), (224, 9174), (349, 9369), (352, 9381), (377, 9480), (446, 9675), (460, 9714), (483, 9792), (485, 9798), (496, 9846), (499, 9858), (502, 9867), (525, 9957), (551, 10047), (562, 10080), (573, 10092),

Gene: Molly_13 Start: 8462, Stop: 9904, Start Num: 89

Candidate Starts for Molly_13:

(Start: 50 @8396 has 1 MA's), (Start: 89 @8462 has 214 MA's), (162, 8660), (224, 8873), (349, 9068), (350, 9071), (377, 9179), (446, 9374), (460, 9413), (483, 9491), (485, 9497), (496, 9545), (499, 9557), (502, 9566), (525, 9656), (551, 9746), (562, 9779), (573, 9791),

Gene: Monet_14 Start: 9659, Stop: 11101, Start Num: 89

Candidate Starts for Monet_14:

(Start: 50 @9593 has 1 MA's), (Start: 89 @9659 has 214 MA's), (162, 9857), (224, 10070), (349, 10265), (352, 10277), (377, 10376), (398, 10448), (446, 10571), (460, 10610), (483, 10688), (485, 10694), (496, 10742), (499, 10754), (502, 10763), (525, 10853), (551, 10943), (562, 10976), (573, 10988),

Gene: MoneyMay_14 Start: 8652, Stop: 10106, Start Num: 58

Candidate Starts for MoneyMay_14:

(Start: 58 @8652 has 296 MA's), (Start: 90 @8682 has 2 MA's), (101, 8709), (136, 8814), (179, 8928), (193, 8994), (209, 9051), (247, 9129), (248, 9132), (349, 9273), (377, 9384), (379, 9390), (385, 9411), (443, 9576), (483, 9702), (496, 9756), (497, 9762), (502, 9777), (516, 9813), (535, 9900), (544, 9930), (551, 9960), (573, 10005), (581, 10014),

Gene: Montavir_13 Start: 8654, Stop: 10108, Start Num: 58

Candidate Starts for Montavir_13:

(Start: 58 @8654 has 296 MA's), (Start: 90 @8684 has 2 MA's), (101, 8711), (136, 8816), (179, 8930), (193, 8996), (209, 9053), (247, 9131), (248, 9134), (349, 9275), (377, 9386), (379, 9392), (385, 9413), (443, 9578), (483, 9704), (496, 9758), (497, 9764), (502, 9779), (516, 9815), (535, 9902), (544, 9932), (551, 9962), (573, 10007), (581, 10016),

Gene: Moose_11 Start: 8695, Stop: 10137, Start Num: 89

Candidate Starts for Moose_11:

(Start: 50 @8629 has 1 MA's), (Start: 89 @8695 has 214 MA's), (162, 8893), (224, 9106), (349, 9301), (352, 9313), (377, 9412), (398, 9484), (446, 9607), (460, 9646), (483, 9724), (485, 9730), (496, 9778), (499, 9790), (502, 9799), (525, 9889), (551, 9979), (562, 10012), (573, 10024),

Gene: Moostard_6 Start: 2752, Stop: 4395, Start Num: 61

Candidate Starts for Moostard_6:

(Start: 61 @2752 has 69 MA's), (99, 2812), (154, 2962), (165, 2992), (185, 3064), (200, 3130), (234, 3178), (291, 3271), (322, 3310), (347, 3367), (349, 3373), (356, 3400), (359, 3409), (365, 3424), (430, 3613), (439, 3646), (447, 3685), (461, 3727), (518, 3910), (524, 3952), (530, 3979), (533, 3988), (549, 4048), (557, 4078), (564, 4087), (611, 4162), (626, 4195),

Gene: Morpher26_12 Start: 8587, Stop: 10038, Start Num: 58

Candidate Starts for Morpher26_12:

(Start: 58 @8587 has 296 MA's), (132, 8737), (136, 8749), (186, 8896), (190, 8917), (197, 8947), (209, 8986), (215, 9004), (219, 9013), (247, 9064), (344, 9193), (349, 9211), (362, 9256), (377, 9322), (379, 9328), (385, 9349), (386, 9355), (411, 9424), (435, 9484), (443, 9529), (483, 9655), (484, 9658), (496, 9709), (497, 9715), (501, 9727), (502, 9730), (510, 9757), (535, 9853), (544, 9883), (546, 9895), (551, 9913), (562, 9943),

Gene: Morrow_12 Start: 8581, Stop: 10032, Start Num: 58

Candidate Starts for Morrow_12:

(Start: 58 @8581 has 296 MA's), (132, 8728), (136, 8740), (190, 8908), (197, 8938), (209, 8977), (215, 8995), (247, 9055), (344, 9184), (349, 9202), (352, 9214), (377, 9313), (379, 9319), (385, 9340), (386, 9346), (411, 9415), (435, 9475), (443, 9520), (483, 9646), (484, 9649), (496, 9700), (497, 9706), (502, 9721), (510, 9751), (532, 9841), (544, 9877), (551, 9907), (562, 9937),

Gene: Moss_3 Start: 2307, Stop: 3875, Start Num: 73

Candidate Starts for Moss_3:

(Start: 73 @2307 has 17 MA's), (Start: 129 @2433 has 2 MA's), (197, 2658), (208, 2694), (228, 2703), (237, 2721), (279, 2796), (300, 2820), (349, 2925), (450, 3231), (453, 3240), (460, 3258), (464, 3273), (465, 3276), (530, 3516), (608, 3690),

Gene: Mova_4 Start: 2200, Stop: 3621, Start Num: 78

Candidate Starts for Mova_4:

(55, 2164), (56, 2167), (Start: 78 @2200 has 61 MA's), (Start: 95 @2227 has 1 MA's), (99, 2239), (148, 2368), (153, 2386), (165, 2419), (185, 2488), (192, 2524), (197, 2545), (199, 2551), (208, 2575), (211, 2578), (253, 2653), (257, 2659), (268, 2686), (280, 2704), (301, 2746), (332, 2797), (338, 2815), (349, 2848), (351, 2857), (352, 2860), (367, 2908), (370, 2917), (375, 2947), (381, 2965), (388, 2998), (431, 3055), (449, 3139), (455, 3157), (464, 3184), (472, 3196), (474, 3199), (475, 3205), (476, 3220), (486,

3253), (518, 3358), (533, 3433), (534, 3439), (537, 3448), (540, 3457), (543, 3469), (572, 3532),

Gene: Mozy_4 Start: 2198, Stop: 3619, Start Num: 78

Candidate Starts for Mozy_4:

(55, 2162), (Start: 78 @2198 has 61 MA's), (Start: 95 @2225 has 1 MA's), (99, 2237), (148, 2366), (154, 2387), (165, 2417), (185, 2486), (189, 2507), (197, 2543), (199, 2549), (208, 2573), (211, 2576), (253, 2651), (257, 2657), (280, 2702), (301, 2744), (347, 2840), (351, 2855), (352, 2858), (355, 2867), (365, 2897), (367, 2906), (375, 2945), (381, 2963), (382, 2966), (388, 2996), (431, 3053), (439, 3092), (449, 3137), (455, 3155), (464, 3182), (472, 3194), (474, 3197), (475, 3203), (486, 3251), (519, 3359), (533, 3431), (534, 3437), (537, 3446), (540, 3455), (541, 3458), (561, 3518), (572, 3530), (587, 3554), (600, 3578),

Gene: MrGordo_12 Start: 8414, Stop: 9856, Start Num: 89

Candidate Starts for MrGordo_12:

(Start: 50 @8348 has 1 MA's), (Start: 89 @8414 has 214 MA's), (162, 8612), (224, 8825), (349, 9020), (352, 9032), (377, 9131), (446, 9326), (460, 9365), (483, 9443), (485, 9449), (496, 9497), (499, 9509), (502, 9518), (516, 9551), (525, 9608), (551, 9698), (562, 9731), (573, 9743),

Gene: MrMagoo_19 Start: 6838, Stop: 8439, Start Num: 35

Candidate Starts for MrMagoo_19:

(Start: 35 @6838 has 23 MA's), (125, 7027), (138, 7060), (145, 7072), (153, 7096), (162, 7123), (165, 7129), (185, 7201), (186, 7207), (191, 7234), (192, 7237), (225, 7300), (228, 7303), (237, 7321), (318, 7438), (349, 7495), (367, 7555), (370, 7564), (381, 7612), (382, 7615), (434, 7738), (440, 7774), (456, 7825), (458, 7828), (472, 7858), (475, 7867), (491, 7933), (492, 7936), (496, 7960), (522, 8050), (533, 8098), (574, 8209), (614, 8281),

Gene: Mryolo_11 Start: 8444, Stop: 9886, Start Num: 89

Candidate Starts for Mryolo_11:

(Start: 50 @8378 has 1 MA's), (Start: 89 @8444 has 214 MA's), (162, 8642), (224, 8855), (349, 9050), (352, 9062), (377, 9161), (398, 9233), (446, 9356), (460, 9395), (483, 9473), (485, 9479), (496, 9527), (499, 9539), (502, 9548), (525, 9638), (551, 9728), (562, 9761), (573, 9773),

Gene: MsGreen_6 Start: 2756, Stop: 4399, Start Num: 61

Candidate Starts for MsGreen_6:

(Start: 61 @2756 has 69 MA's), (99, 2816), (154, 2966), (165, 2996), (185, 3068), (200, 3134), (234, 3182), (291, 3275), (322, 3314), (356, 3404), (359, 3413), (365, 3428), (430, 3617), (439, 3650), (447, 3689), (461, 3731), (518, 3914), (524, 3956), (530, 3983), (533, 3992), (549, 4052), (557, 4082), (564, 4091), (611, 4166), (626, 4199),

Gene: MuchMore_16 Start: 8646, Stop: 10100, Start Num: 58

Candidate Starts for MuchMore_16:

(Start: 58 @8646 has 296 MA's), (Start: 90 @8676 has 2 MA's), (101, 8703), (136, 8808), (179, 8922), (193, 8988), (209, 9045), (247, 9123), (248, 9126), (349, 9267), (377, 9378), (379, 9384), (385, 9405), (443, 9570), (483, 9696), (496, 9750), (497, 9756), (502, 9771), (516, 9807), (535, 9894), (544, 9924), (551, 9954), (573, 9999), (581, 10008),

Gene: Mudpuppy_3 Start: 2269, Stop: 3645, Start Num: 76

Candidate Starts for Mudpuppy_3:

(Start: 76 @2269 has 57 MA's), (Start: 129 @2389 has 2 MA's), (165, 2488), (175, 2527), (279, 2752), (342, 2845), (393, 3025), (456, 3193), (474, 3232), (478, 3262), (486, 3286), (530, 3460), (533, 3469), (575, 3580),

Gene: Mufasa_5 Start: 2085, Stop: 3590, Start Num: 30

Candidate Starts for Mufasa_5:

(20, 1944), (Start: 30 @2085 has 28 MA's), (36, 2103), (Start: 59 @2130 has 322 MA's), (Start: 81 @2151 has 1 MA's), (99, 2187), (Start: 129 @2268 has 2 MA's), (150, 2325), (154, 2337), (162, 2361), (165, 2367), (182, 2418), (185, 2436), (189, 2457), (197, 2493), (199, 2499), (208, 2523), (231, 2559), (278, 2649), (289, 2670), (303, 2697), (330, 2739), (331, 2745), (337, 2763), (352, 2811), (362, 2844), (375, 2898), (382, 2919), (388, 2949), (423, 2982), (429, 3000), (431, 3006), (436, 3030), (449, 3090), (453, 3102), (455, 3108), (472, 3147), (501, 3267), (518, 3309), (540, 3408), (541, 3411), (543, 3420), (557, 3471), (594, 3516), (629, 3567),

Gene: MulchExplorer_4 Start: 2200, Stop: 3621, Start Num: 78

Candidate Starts for MulchExplorer_4:

(Start: 78 @2200 has 61 MA's), (Start: 95 @2227 has 1 MA's), (99, 2239), (148, 2368), (153, 2386), (165, 2419), (185, 2488), (192, 2524), (197, 2545), (199, 2551), (208, 2575), (211, 2578), (253, 2653), (257, 2659), (268, 2686), (301, 2746), (349, 2848), (352, 2860), (355, 2869), (365, 2899), (367, 2908), (375, 2947), (381, 2965), (382, 2968), (388, 2998), (431, 3055), (439, 3094), (449, 3139), (455, 3157), (464, 3184), (472, 3196), (474, 3199), (475, 3205), (476, 3220), (486, 3253), (518, 3358), (533, 3433), (534, 3439), (537, 3448), (540, 3457), (543, 3469), (572, 3532), (600, 3580),

Gene: Mulciber_13 Start: 9784, Stop: 11241, Start Num: 59

Candidate Starts for Mulciber_13:

(Start: 59 @9784 has 322 MA's), (97, 9829), (101, 9844), (136, 9949), (224, 10231), (247, 10264), (352, 10420), (373, 10492), (377, 10519), (379, 10525), (385, 10546), (400, 10597), (490, 10861), (496, 10891), (502, 10912), (505, 10927), (510, 10939), (516, 10948), (535, 11035), (544, 11065), (551, 11095), (560, 11125), (610, 11191),

Gene: Mule_12 Start: 8730, Stop: 10172, Start Num: 89

Candidate Starts for Mule_12:

(Start: 50 @8664 has 1 MA's), (Start: 89 @8730 has 214 MA's), (162, 8928), (224, 9141), (349, 9336), (377, 9447), (446, 9642), (460, 9681), (483, 9759), (485, 9765), (496, 9813), (499, 9825), (502, 9834), (525, 9924), (551, 10014), (562, 10047), (573, 10059),

Gene: Munch_13 Start: 9784, Stop: 11241, Start Num: 59

Candidate Starts for Munch_13:

(Start: 59 @9784 has 322 MA's), (97, 9829), (101, 9844), (136, 9949), (224, 10231), (247, 10264), (352, 10420), (373, 10492), (377, 10519), (379, 10525), (385, 10546), (400, 10597), (490, 10861), (496, 10891), (502, 10912), (505, 10927), (510, 10939), (516, 10948), (535, 11035), (544, 11065), (551, 11095), (560, 11125), (610, 11191),

Gene: Mundrea_12 Start: 8540, Stop: 9991, Start Num: 58

Candidate Starts for Mundrea_12:

(Start: 58 @8540 has 296 MA's), (132, 8690), (136, 8702), (144, 8714), (162, 8765), (190, 8870), (197, 8900), (209, 8939), (215, 8957), (247, 9017), (344, 9143), (349, 9161), (352, 9173), (376, 9269), (377, 9272), (379, 9278), (385, 9299), (386, 9305), (389, 9320), (411, 9374), (435, 9434), (443, 9479), (483, 9605), (484, 9608), (496, 9659), (502, 9680), (535, 9806), (544, 9836), (551, 9866), (562, 9896),

Gene: MurphyJoseph_4 Start: 2272, Stop: 3609, Start Num: 88

Candidate Starts for MurphyJoseph_4:

(27, 2152), (28, 2155), (38, 2194), (41, 2197), (47, 2209), (67, 2245), (Start: 80 @2260 has 4 MA's), (Start: 88 @2272 has 31 MA's), (108, 2320), (130, 2383), (132, 2395), (216, 2653), (247, 2710), (271, 2758), (281, 2779), (345, 2845), (347, 2854), (355, 2881), (375, 2962), (379, 2974), (380, 2977), (386, 3001), (399, 3043), (446, 3169), (464, 3223), (483, 3286), (495, 3337), (498, 3349), (512, 3388), (526, 3454), (551, 3535), (552, 3538), (556, 3544), (585, 3595),

Gene: Murucutumbu_9 Start: 2995, Stop: 4548, Start Num: 32

Candidate Starts for Murucutumbu_9:

(17, 2752), (20, 2866), (22, 2893), (Start: 29 @2980 has 30 MA's), (Start: 32 @2995 has 139 MA's), (96, 3097), (99, 3106), (Start: 129 @3187 has 2 MA's), (136, 3211), (150, 3244), (153, 3253), (165, 3286), (185, 3355), (189, 3376), (199, 3418), (231, 3481), (238, 3496), (278, 3571), (289, 3592), (305, 3622), (352, 3733), (362, 3766), (373, 3799), (382, 3841), (388, 3871), (423, 3904), (429, 3922), (445, 4000), (449, 4012), (450, 4015), (454, 4027), (455, 4030), (474, 4066), (484, 4114), (501, 4183), (511, 4213), (526, 4279), (533, 4300), (541, 4327), (543, 4336), (553, 4372), (586, 4426),

Gene: Museum_14 Start: 8748, Stop: 10190, Start Num: 89

Candidate Starts for Museum_14:

(Start: 50 @8682 has 1 MA's), (Start: 89 @8748 has 214 MA's), (162, 8946), (224, 9159), (349, 9354), (350, 9357), (377, 9465), (398, 9537), (446, 9660), (460, 9699), (483, 9777), (485, 9783), (496, 9831), (499, 9843), (502, 9852), (525, 9942), (551, 10032), (562, 10065), (573, 10077),

Gene: Mynx_9 Start: 3031, Stop: 4602, Start Num: 29

Candidate Starts for Mynx_9:

(22, 2944), (Start: 29 @3031 has 30 MA's), (Start: 32 @3046 has 139 MA's), (96, 3145), (99, 3154), (125, 3226), (Start: 129 @3235 has 2 MA's), (136, 3259), (150, 3292), (153, 3301), (165, 3334), (185, 3403), (189, 3424), (199, 3466), (231, 3532), (238, 3547), (278, 3622), (289, 3643), (321, 3697), (362, 3817), (373, 3850), (375, 3871), (382, 3892), (388, 3922), (423, 3955), (429, 3973), (445, 4051), (449, 4063), (450, 4066), (454, 4078), (455, 4081), (474, 4117), (484, 4165), (496, 4216), (501, 4234), (526, 4330), (533, 4351), (541, 4378), (543, 4387), (553, 4423),

Gene: MyraDee_10 Start: 6714, Stop: 8150, Start Num: 59

Candidate Starts for MyraDee_10:

(Start: 59 @6714 has 322 MA's), (136, 6867), (155, 6909), (349, 7326), (351, 7335), (373, 7410), (377, 7437), (379, 7443), (385, 7464), (417, 7539), (427, 7554), (443, 7629), (496, 7809), (497, 7815), (502, 7830), (516, 7866), (542, 7977), (546, 7995), (551, 8013), (560, 8043), (573, 8052), (581, 8061),

Gene: Mysterium_3 Start: 2307, Stop: 3875, Start Num: 73

Candidate Starts for Mysterium_3:

(Start: 73 @2307 has 17 MA's), (Start: 129 @2433 has 2 MA's), (197, 2658), (208, 2694), (228, 2703), (237, 2721), (279, 2796), (300, 2820), (349, 2925), (453, 3240), (460, 3258), (464, 3273), (465, 3276), (530, 3516), (608, 3690), (645, 3804),

Gene: Myxus_14 Start: 9893, Stop: 11380, Start Num: 59

Candidate Starts for Myxus_14:

(Start: 59 @9893 has 322 MA's), (101, 9956), (136, 10061), (200, 10271), (213, 10310), (224, 10343), (247, 10376), (349, 10520), (373, 10604), (377, 10631), (379, 10637), (385, 10658), (392, 10688), (400, 10709), (417, 10733), (427, 10748), (496, 11003), (501, 11021), (510, 11051), (512, 11054), (516, 11060), (542, 11171), (544, 11177), (551, 11207), (573, 11252), (580, 11261),

Gene: NEHalo_12 Start: 8256, Stop: 9698, Start Num: 89

Candidate Starts for NEHalo_12:

(Start: 50 @8190 has 1 MA's), (Start: 89 @8256 has 214 MA's), (162, 8454), (224, 8667), (349, 8862), (352, 8874), (377, 8973), (446, 9168), (460, 9207), (483, 9285), (485, 9291), (496, 9339), (499, 9351), (502, 9360), (516, 9393), (525, 9450), (551, 9540), (562, 9573), (573, 9585),

Gene: NaSiaTalie_13 Start: 9265, Stop: 10725, Start Num: 59

Candidate Starts for NaSiaTalie_13:

(Start: 59 @9265 has 322 MA's), (101, 9325), (132, 9418), (136, 9430), (224, 9712), (247, 9745), (350, 9892), (352, 9901), (359, 9925), (373, 9973), (377, 10000), (379, 10006), (385, 10027), (464, 10255),

(496, 10372), (502, 10393), (510, 10420), (516, 10429), (544, 10546), (551, 10576), (560, 10606), (580, 10630),

Gene: Nabi_7 Start: 4053, Stop: 5489, Start Num: 83

Candidate Starts for Nabi_7:

(Start: 72 @4047 has 15 MA's), (Start: 83 @4053 has 105 MA's), (96, 4077), (106, 4101), (Start: 129 @4170 has 2 MA's), (148, 4218), (151, 4230), (165, 4269), (200, 4422), (225, 4452), (269, 4536), (298, 4578), (337, 4644), (366, 4734), (370, 4746), (387, 4821), (392, 4839), (426, 4917), (436, 4962), (448, 5019), (513, 5232), (520, 5256), (551, 5388), (611, 5475),

Gene: Naca_10 Start: 7848, Stop: 9281, Start Num: 59

Candidate Starts for Naca_10:

(Start: 59 @7848 has 322 MA's), (131, 7977), (149, 8016), (153, 8031), (200, 8205), (209, 8232), (224, 8277), (247, 8310), (258, 8331), (299, 8391), (351, 8463), (352, 8466), (373, 8538), (379, 8571), (385, 8592), (392, 8622), (483, 8883), (496, 8937), (501, 8955), (516, 8994), (544, 9111), (551, 9141), (560, 9171), (573, 9186), (581, 9195),

Gene: Naiad_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for Naiad_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Naira_13 Start: 9995, Stop: 11437, Start Num: 89

Candidate Starts for Naira_13:

(Start: 50 @9929 has 1 MA's), (Start: 89 @9995 has 214 MA's), (162, 10193), (224, 10406), (349, 10601), (352, 10613), (377, 10712), (446, 10907), (460, 10946), (483, 11024), (485, 11030), (496, 11078), (499, 11090), (502, 11099), (525, 11189), (551, 11279), (562, 11312), (573, 11324),

Gene: Naji_16 Start: 9159, Stop: 10616, Start Num: 59

Candidate Starts for Naji_16:

(Start: 59 @9159 has 322 MA's), (101, 9219), (132, 9312), (136, 9324), (219, 9588), (224, 9606), (327, 9750), (351, 9792), (373, 9867), (377, 9894), (379, 9900), (385, 9921), (386, 9927), (496, 10266), (502, 10287), (510, 10314), (516, 10323), (535, 10410), (544, 10440), (551, 10470), (560, 10500), (580, 10524),

Gene: Nancinator_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for Nancinator_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Nanodon_9 Start: 4252, Stop: 5685, Start Num: 83

Candidate Starts for Nanodon_9:

(Start: 72 @4246 has 15 MA's), (Start: 83 @4252 has 105 MA's), (96, 4276), (106, 4300), (Start: 129 @4369 has 2 MA's), (148, 4417), (165, 4468), (200, 4621), (225, 4651), (269, 4735), (298, 4777), (312, 4804), (339, 4846), (366, 4930), (370, 4942), (392, 5035), (426, 5113), (436, 5158), (448, 5215), (520, 5452), (590, 5650), (611, 5671),

Gene: Nanosmite_19 Start: 7056, Stop: 8660, Start Num: 35

Candidate Starts for Nanosmite_19:

(Start: 35 @7056 has 23 MA's), (138, 7278), (145, 7290), (162, 7341), (165, 7347), (185, 7419), (186, 7425), (192, 7455), (193, 7458), (199, 7482), (222, 7515), (228, 7524), (234, 7533), (352, 7728), (367, 7776), (381, 7833), (387, 7860), (434, 7959), (440, 7995), (458, 8049), (472, 8079), (474, 8082), (491, 8154), (492, 8157), (495, 8178), (527, 8301), (594, 8460), (614, 8502), (621, 8517),

Gene: Natosaleda_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for Natosaleda_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: NearlyHeadless_10 Start: 7460, Stop: 8890, Start Num: 59

Candidate Starts for NearlyHeadless_10:

(16, 7112), (Start: 59 @7460 has 322 MA's), (135, 7610), (186, 7757), (224, 7892), (299, 8003), (349, 8066), (362, 8111), (377, 8177), (385, 8204), (443, 8369), (476, 8471), (496, 8549), (497, 8555), (516, 8606), (544, 8723), (551, 8753), (581, 8807),

Gene: Nebs_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Nebs_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Nebulosus_15 Start: 8380, Stop: 9840, Start Num: 59

Candidate Starts for Nebulosus_15:

(Start: 59 @8380 has 322 MA's), (101, 8440), (136, 8545), (163, 8611), (213, 8794), (224, 8827), (247, 8860), (373, 9091), (377, 9118), (379, 9124), (385, 9145), (389, 9166), (400, 9196), (417, 9220), (443, 9310), (453, 9340), (483, 9436), (491, 9463), (496, 9490), (501, 9508), (502, 9511), (510, 9544), (516, 9553), (544, 9670), (551, 9700), (580, 9754),

Gene: Nedarya_14 Start: 8970, Stop: 10430, Start Num: 59

Candidate Starts for Nedarya_14:

(Start: 59 @8970 has 322 MA's), (101, 9030), (136, 9135), (149, 9156), (163, 9201), (224, 9417), (247, 9450), (279, 9510), (373, 9681), (377, 9708), (379, 9714), (385, 9735), (389, 9756), (453, 9930), (482, 10023), (483, 10026), (491, 10053), (496, 10080), (502, 10101), (510, 10128), (516, 10137), (544, 10254), (551, 10284), (580, 10338),

Gene: Neeharika16_16 Start: 9274, Stop: 10737, Start Num: 59

Candidate Starts for Neeharika16_16:

(Start: 59 @9274 has 322 MA's), (Start: 72 @9295 has 15 MA's), (101, 9334), (131, 9421), (133, 9433), (136, 9439), (224, 9721), (358, 9934), (373, 9985), (377, 10012), (379, 10018), (385, 10039), (502, 10405), (510, 10432), (516, 10441), (526, 10501), (544, 10558), (551, 10588), (560, 10618), (582, 10645),

Gene: Neighly_7 Start: 2528, Stop: 4066, Start Num: 32

Candidate Starts for Neighly_7:

(Start: 32 @2528 has 139 MA's), (96, 2630), (99, 2639), (116, 2693), (150, 2777), (154, 2789), (165, 2819), (170, 2837), (185, 2888), (192, 2924), (198, 2948), (199, 2951), (227, 3005), (238, 3026), (278, 3101), (289, 3122), (305, 3152), (331, 3197), (349, 3251), (362, 3296), (373, 3329), (380, 3365), (382, 3371), (423, 3434), (429, 3452), (445, 3530), (449, 3542), (450, 3545), (455, 3560), (475, 3605), (476, 3620), (482, 3641), (484, 3647), (495, 3695), (496, 3698), (501, 3716), (505, 3731), (523, 3797), (526,

3812), (533, 3833), (543, 3869), (553, 3905), (607, 3992),

Gene: Nemo27_12 Start: 8577, Stop: 10028, Start Num: 58

Candidate Starts for Nemo27_12:

(Start: 58 @8577 has 296 MA's), (132, 8724), (136, 8736), (190, 8904), (197, 8934), (209, 8973), (215, 8991), (247, 9051), (344, 9180), (349, 9198), (352, 9210), (377, 9309), (379, 9315), (385, 9336), (386, 9342), (411, 9411), (435, 9471), (443, 9516), (483, 9642), (484, 9645), (496, 9696), (502, 9717), (510, 9747), (532, 9837), (544, 9873), (551, 9903), (562, 9933),

Gene: Nerdos_7 Start: 4081, Stop: 5523, Start Num: 83

Candidate Starts for Nerdos_7:

(70, 4072), (Start: 72 @4075 has 15 MA's), (Start: 83 @4081 has 105 MA's), (Start: 129 @4198 has 2 MA's), (148, 4246), (269, 4564), (298, 4606), (312, 4633), (334, 4666), (366, 4759), (370, 4771), (392, 4864), (426, 4942), (436, 4987), (448, 5044), (456, 5068), (520, 5281), (611, 5509),

Gene: Nergal_6 Start: 3615, Stop: 5081, Start Num: 64

Candidate Starts for Nergal_6:

(Start: 64 @3615 has 1 MA's), (Start: 66 @3618 has 4 MA's), (87, 3645), (104, 3684), (131, 3765), (140, 3789), (154, 3825), (157, 3834), (162, 3849), (185, 3924), (187, 3933), (191, 3957), (202, 3999), (291, 4188), (352, 4317), (365, 4359), (376, 4410), (381, 4425), (445, 4590), (460, 4632), (467, 4653), (478, 4695), (495, 4761), (496, 4764), (527, 4884), (530, 4893), (536, 4914), (541, 4929), (560, 4995), (604, 5067),

Gene: Nerujay_13 Start: 9091, Stop: 10533, Start Num: 89

Candidate Starts for Nerujay_13:

(Start: 50 @9025 has 1 MA's), (Start: 89 @9091 has 214 MA's), (162, 9289), (224, 9502), (349, 9697), (377, 9808), (398, 9880), (446, 10003), (460, 10042), (483, 10120), (485, 10126), (496, 10174), (499, 10186), (502, 10195), (525, 10285), (551, 10375), (562, 10408), (573, 10420),

Gene: Nesbitt_3 Start: 2376, Stop: 3785, Start Num: 84

Candidate Starts for Nesbitt_3:

(Start: 80 @2370 has 4 MA's), (Start: 84 @2376 has 3 MA's), (134, 2511), (153, 2556), (158, 2571), (159, 2574), (186, 2664), (198, 2718), (229, 2781), (247, 2808), (267, 2847), (283, 2880), (347, 2976), (351, 2991), (352, 2994), (370, 3051), (386, 3120), (392, 3144), (431, 3234), (448, 3315), (453, 3330), (475, 3384), (483, 3423), (496, 3477), (517, 3540), (541, 3642), (543, 3651), (545, 3663), (546, 3666), (551, 3684), (560, 3711), (577, 3732),

Gene: Netyap_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Netyap_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: Neville_13 Start: 6263, Stop: 7762, Start Num: 40

Candidate Starts for Neville_13:

(37, 6257), (Start: 40 @6263 has 7 MA's), (69, 6317), (96, 6359), (101, 6377), (108, 6395), (Start: 129 @6458 has 2 MA's), (139, 6488), (141, 6491), (146, 6497), (153, 6521), (162, 6548), (185, 6626), (234, 6743), (263, 6800), (304, 6863), (322, 6878), (349, 6935), (352, 6947), (372, 7010), (373, 7013), (374, 7025), (381, 7052), (392, 7097), (406, 7130), (418, 7139), (428, 7160), (456, 7265), (476, 7325), (486, 7358), (490, 7373), (501, 7421), (504, 7433), (511, 7451), (520, 7478), (527, 7523), (529, 7529), (537,

7556), (540, 7565), (552, 7613), (562, 7637), (614, 7721),

Gene: NewKitty_4 Start: 2272, Stop: 3609, Start Num: 88

Candidate Starts for NewKitty_4:

(27, 2152), (28, 2155), (38, 2194), (41, 2197), (47, 2209), (67, 2245), (Start: 80 @2260 has 4 MA's), (Start: 88 @2272 has 31 MA's), (108, 2320), (130, 2383), (132, 2395), (216, 2653), (247, 2710), (271, 2758), (345, 2845), (347, 2854), (355, 2881), (375, 2962), (379, 2974), (380, 2977), (386, 3001), (399, 3043), (446, 3169), (464, 3223), (483, 3286), (486, 3295), (498, 3349), (512, 3388), (526, 3454), (551, 3535), (556, 3544), (585, 3595),

Gene: Newrala_16 Start: 9274, Stop: 10737, Start Num: 59

Candidate Starts for Newrala_16:

(Start: 59 @9274 has 322 MA's), (Start: 72 @9295 has 15 MA's), (101, 9334), (131, 9421), (133, 9433), (136, 9439), (224, 9721), (358, 9934), (373, 9985), (377, 10012), (379, 10018), (385, 10039), (502, 10405), (510, 10432), (516, 10441), (526, 10501), (544, 10558), (551, 10588), (560, 10618), (582, 10645),

Gene: Nhonho_12 Start: 8540, Stop: 9982, Start Num: 89

Candidate Starts for Nhonho_12:

(Start: 50 @8474 has 1 MA's), (Start: 89 @8540 has 214 MA's), (162, 8738), (224, 8951), (349, 9146), (352, 9158), (377, 9257), (398, 9329), (446, 9452), (460, 9491), (483, 9569), (485, 9575), (496, 9623), (499, 9635), (502, 9644), (525, 9734), (551, 9824), (562, 9857), (573, 9869),

Gene: Nibb_8 Start: 3011, Stop: 4555, Start Num: 32

Candidate Starts for Nibb_8:

(20, 2879), (21, 2885), (22, 2906), (Start: 29 @2996 has 30 MA's), (Start: 32 @3011 has 139 MA's), (99, 3119), (Start: 129 @3200 has 2 MA's), (136, 3224), (150, 3257), (189, 3389), (192, 3404), (198, 3428), (199, 3431), (238, 3509), (260, 3548), (289, 3605), (324, 3665), (331, 3680), (337, 3698), (349, 3734), (351, 3743), (362, 3779), (373, 3812), (375, 3833), (382, 3854), (388, 3884), (423, 3917), (429, 3935), (436, 3965), (445, 4013), (449, 4025), (450, 4028), (454, 4040), (455, 4043), (495, 4175), (501, 4196), (506, 4217), (518, 4238), (525, 4289), (526, 4292), (533, 4313), (540, 4337), (543, 4349), (553, 4385), (607, 4472),

Gene: Nicholas_6 Start: 2756, Stop: 4399, Start Num: 61

Candidate Starts for Nicholas_6:

(Start: 61 @2756 has 69 MA's), (99, 2816), (154, 2966), (165, 2996), (185, 3068), (200, 3134), (234, 3182), (291, 3275), (322, 3314), (356, 3404), (359, 3413), (365, 3428), (430, 3617), (439, 3650), (447, 3689), (461, 3731), (518, 3914), (524, 3956), (530, 3983), (533, 3992), (549, 4052), (557, 4082), (564, 4091), (611, 4166), (626, 4199),

Gene: Nicholasp3_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Nicholasp3_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: NicoleTera_17 Start: 10971, Stop: 12434, Start Num: 59

Candidate Starts for NicoleTera_17:

(Start: 59 @10971 has 322 MA's), (101, 11031), (136, 11136), (224, 11418), (268, 11496), (350, 11601), (373, 11682), (377, 11709), (379, 11715), (385, 11736), (496, 12081), (501, 12099), (502,

12102), (505, 12117), (510, 12129), (516, 12138), (544, 12255), (551, 12285), (560, 12315), (580, 12339),

Gene: NidoQ_3 Start: 2383, Stop: 3762, Start Num: 74

Candidate Starts for NidoQ_3:

(Start: 74 @2383 has 11 MA's), (145, 2551), (151, 2569), (163, 2605), (216, 2779), (275, 2890), (279, 2899), (327, 2980), (335, 3001), (352, 3049), (367, 3097), (381, 3154), (440, 3313), (450, 3346), (471, 3400), (496, 3502), (526, 3604), (527, 3610), (537, 3640), (589, 3754),

Gene: Nikao_5 Start: 2283, Stop: 3839, Start Num: 32

Candidate Starts for Nikao_5:

(21, 2157), (22, 2178), (Start: 29 @2268 has 30 MA's), (Start: 32 @2283 has 139 MA's), (Start: 81 @2352 has 1 MA's), (Start: 89 @2367 has 214 MA's), (99, 2388), (Start: 129 @2469 has 2 MA's), (136, 2493), (150, 2526), (162, 2562), (185, 2637), (189, 2658), (192, 2673), (238, 2778), (273, 2844), (289, 2874), (320, 2928), (337, 2970), (349, 3006), (352, 3018), (362, 3051), (373, 3084), (382, 3126), (388, 3156), (423, 3189), (429, 3207), (431, 3213), (440, 3267), (445, 3285), (449, 3297), (454, 3312), (455, 3315), (469, 3348), (495, 3447), (496, 3450), (501, 3468), (518, 3510), (525, 3561), (526, 3564), (533, 3585), (540, 3609), (541, 3612), (543, 3621), (553, 3657), (557, 3672), (574, 3693),

Gene: NikkiHotWheels_3 Start: 2383, Stop: 3744, Start Num: 74

Candidate Starts for NikkiHotWheels_3:

(Start: 74 @2383 has 11 MA's), (126, 2500), (145, 2551), (151, 2569), (163, 2605), (179, 2653), (216, 2779), (259, 2860), (275, 2890), (327, 2965), (352, 3034), (354, 3040), (376, 3124), (381, 3139), (450, 3331), (471, 3385), (501, 3505), (526, 3589), (527, 3595), (564, 3709), (589, 3736),

Gene: Niklas_9 Start: 3102, Stop: 4652, Start Num: 32

Candidate Starts for Niklas_9:

(22, 2997), (Start: 29 @3087 has 30 MA's), (Start: 32 @3102 has 139 MA's), (99, 3204), (Start: 129 @3285 has 2 MA's), (136, 3309), (153, 3351), (185, 3453), (189, 3474), (192, 3489), (231, 3579), (238, 3594), (278, 3669), (301, 3714), (321, 3744), (330, 3759), (331, 3765), (337, 3783), (349, 3819), (352, 3831), (362, 3864), (373, 3897), (375, 3918), (380, 3933), (382, 3939), (388, 3969), (423, 4002), (429, 4020), (445, 4098), (449, 4110), (450, 4113), (454, 4125), (455, 4128), (474, 4164), (495, 4260), (496, 4263), (501, 4281), (518, 4323), (525, 4374), (533, 4398), (540, 4422), (541, 4425), (543, 4434), (564, 4494), (591, 4530), (607, 4557),

Gene: Niobe_3 Start: 2266, Stop: 3642, Start Num: 76

Candidate Starts for Niobe_3:

(Start: 76 @2266 has 57 MA's), (Start: 129 @2386 has 2 MA's), (165, 2485), (279, 2749), (393, 3022), (453, 3181), (474, 3229), (478, 3259), (486, 3283), (530, 3457), (575, 3577),

Gene: Nishikigoi_7 Start: 3857, Stop: 5332, Start Num: 83

Candidate Starts for Nishikigoi_7:

(Start: 83 @3857 has 105 MA's), (Start: 129 @3974 has 2 MA's), (165, 4073), (185, 4166), (334, 4439), (370, 4544), (387, 4619), (392, 4637), (397, 4649), (399, 4655), (436, 4802), (446, 4853), (448, 4859), (464, 4907), (501, 5039), (520, 5096), (541, 5186), (611, 5318),

Gene: Nitro_3 Start: 2266, Stop: 3648, Start Num: 76

Candidate Starts for Nitro_3:

(Start: 76 @2266 has 57 MA's), (Start: 129 @2386 has 2 MA's), (165, 2485), (279, 2749), (393, 3022), (428, 3076), (453, 3181), (474, 3229), (478, 3259), (486, 3283), (530, 3457), (575, 3577),

Gene: Niza_14 Start: 9768, Stop: 11210, Start Num: 89

Candidate Starts for Niza_14:

(Start: 50 @9702 has 1 MA's), (Start: 89 @9768 has 214 MA's), (162, 9966), (224, 10179), (279, 10278), (349, 10374), (352, 10386), (377, 10485), (398, 10557), (446, 10680), (460, 10719), (483, 10797), (485, 10803), (496, 10851), (499, 10863), (502, 10872), (525, 10962), (551, 11052), (562, 11085), (573, 11097),

Gene: Noella_13 Start: 8738, Stop: 10207, Start Num: 58

Candidate Starts for Noella_13:

(Start: 58 @8738 has 296 MA's), (94, 8777), (136, 8903), (169, 8987), (186, 9050), (193, 9083), (197, 9101), (209, 9140), (219, 9167), (247, 9218), (344, 9344), (347, 9356), (351, 9371), (352, 9374), (373, 9446), (377, 9473), (379, 9479), (385, 9500), (386, 9506), (392, 9530), (411, 9572), (443, 9677), (483, 9803), (484, 9806), (496, 9857), (497, 9863), (502, 9878), (510, 9908), (544, 10034), (551, 10064), (562, 10094),

Gene: Noelle_12 Start: 8644, Stop: 10092, Start Num: 58

Candidate Starts for Noelle_12:

(Start: 58 @8644 has 296 MA's), (132, 8794), (136, 8806), (186, 8953), (190, 8974), (197, 9004), (209, 9043), (215, 9061), (247, 9121), (349, 9268), (352, 9280), (359, 9304), (377, 9379), (379, 9385), (385, 9406), (386, 9412), (435, 9541), (443, 9586), (483, 9712), (484, 9715), (496, 9766), (502, 9787), (510, 9814), (532, 9904), (544, 9940), (551, 9970), (562, 10000),

Gene: Norbert_12 Start: 8738, Stop: 10207, Start Num: 58

Candidate Starts for Norbert_12:

(Start: 58 @8738 has 296 MA's), (94, 8777), (136, 8903), (169, 8987), (186, 9050), (193, 9083), (197, 9101), (209, 9140), (219, 9167), (247, 9218), (344, 9344), (347, 9356), (351, 9371), (352, 9374), (373, 9446), (377, 9473), (379, 9479), (385, 9500), (386, 9506), (392, 9530), (411, 9572), (443, 9677), (483, 9803), (484, 9806), (496, 9857), (497, 9863), (502, 9878), (510, 9908), (544, 10034), (551, 10064), (562, 10094),

Gene: NorthStar_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for NorthStar_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Norz_14 Start: 9403, Stop: 10845, Start Num: 89

Candidate Starts for Norz_14:

(Start: 50 @9337 has 1 MA's), (Start: 89 @9403 has 214 MA's), (162, 9601), (224, 9814), (349, 10009), (352, 10021), (377, 10120), (446, 10315), (460, 10354), (483, 10432), (485, 10438), (496, 10486), (499, 10498), (502, 10507), (525, 10597), (551, 10687), (562, 10720), (573, 10732),

Gene: NotAPhaseMom_12 Start: 8582, Stop: 10033, Start Num: 58

Candidate Starts for NotAPhaseMom_12:

(Start: 58 @8582 has 296 MA's), (132, 8729), (136, 8741), (190, 8909), (197, 8939), (209, 8978), (215, 8996), (247, 9056), (344, 9185), (349, 9203), (352, 9215), (377, 9314), (379, 9320), (385, 9341), (386, 9347), (411, 9416), (435, 9476), (443, 9521), (483, 9647), (484, 9650), (496, 9701), (502, 9722), (510, 9752), (532, 9842), (544, 9878), (551, 9908), (562, 9938),

Gene: NothingSpecial_15 Start: 11236, Stop: 12693, Start Num: 59

Candidate Starts for NothingSpecial_15:

(Start: 59 @11236 has 322 MA's), (101, 11296), (131, 11383), (136, 11401), (197, 11599), (224, 11683), (373, 11944), (377, 11971), (379, 11977), (385, 11998), (400, 12049), (496, 12343), (501, 12361), (502, 12364), (510, 12391), (516, 12400), (535, 12487), (544, 12517), (551, 12547), (560,

12577), (580, 12601),

Gene: November_7 Start: 2677, Stop: 4227, Start Num: 32

Candidate Starts for November_7:

(22, 2572), (Start: 29 @2662 has 30 MA's), (Start: 32 @2677 has 139 MA's), (Start: 81 @2749 has 1 MA's), (96, 2776), (99, 2785), (115, 2827), (Start: 129 @2866 has 2 MA's), (136, 2890), (185, 3034), (192, 3070), (199, 3097), (231, 3160), (238, 3175), (289, 3271), (301, 3295), (305, 3301), (337, 3364), (352, 3412), (362, 3445), (365, 3451), (373, 3478), (375, 3499), (382, 3520), (423, 3583), (429, 3601), (445, 3679), (449, 3691), (450, 3694), (454, 3706), (455, 3709), (464, 3736), (484, 3793), (496, 3844), (501, 3862), (506, 3883), (526, 3958), (533, 3979), (540, 4003), (541, 4006), (543, 4015), (553, 4051), (557, 4066),

Gene: Noxious_13 Start: 9436, Stop: 10878, Start Num: 89

Candidate Starts for Noxious_13:

(Start: 50 @9370 has 1 MA's), (Start: 89 @9436 has 214 MA's), (162, 9634), (224, 9847), (349, 10042), (352, 10054), (377, 10153), (446, 10348), (460, 10387), (483, 10465), (485, 10471), (496, 10519), (499, 10531), (502, 10540), (525, 10630), (551, 10720), (562, 10753), (573, 10765),

Gene: Nutello_5 Start: 2283, Stop: 3839, Start Num: 32

Candidate Starts for Nutello_5:

(21, 2157), (22, 2178), (Start: 29 @2268 has 30 MA's), (Start: 32 @2283 has 139 MA's), (Start: 81 @2352 has 1 MA's), (Start: 89 @2367 has 214 MA's), (99, 2388), (Start: 129 @2469 has 2 MA's), (136, 2493), (150, 2526), (162, 2562), (185, 2637), (189, 2658), (192, 2673), (238, 2778), (273, 2844), (289, 2874), (320, 2928), (337, 2970), (349, 3006), (352, 3018), (362, 3051), (373, 3084), (382, 3126), (388, 3156), (423, 3189), (429, 3207), (431, 3213), (440, 3267), (445, 3285), (449, 3297), (454, 3312), (455, 3315), (469, 3348), (495, 3447), (496, 3450), (501, 3468), (518, 3510), (525, 3561), (526, 3564), (533, 3585), (540, 3609), (541, 3612), (543, 3621), (553, 3657), (557, 3672), (574, 3693),

Gene: Nyceirae_7 Start: 3039, Stop: 4517, Start Num: 85

Candidate Starts for Nyceirae_7:

(Start: 85 @3039 has 6 MA's), (97, 3063), (102, 3072), (132, 3162), (156, 3222), (160, 3234), (164, 3243), (182, 3300), (191, 3351), (192, 3354), (193, 3357), (199, 3381), (212, 3414), (230, 3438), (254, 3486), (261, 3498), (277, 3531), (298, 3570), (300, 3576), (314, 3600), (340, 3648), (347, 3669), (362, 3720), (373, 3753), (383, 3798), (396, 3846), (407, 3906), (413, 3927), (432, 3972), (433, 3975), (437, 3999), (443, 4035), (445, 4041), (460, 4083), (472, 4110), (482, 4155), (493, 4200), (496, 4212), (526, 4314), (534, 4341), (540, 4359), (550, 4398), (568, 4443),

Gene: Nyilah_3 Start: 2345, Stop: 3682, Start Num: 88

Candidate Starts for Nyilah_3:

(Start: 80 @2333 has 4 MA's), (Start: 88 @2345 has 31 MA's), (108, 2393), (130, 2456), (132, 2468), (216, 2726), (247, 2783), (271, 2831), (347, 2927), (352, 2945), (375, 3035), (379, 3047), (380, 3050), (386, 3074), (399, 3116), (446, 3242), (464, 3296), (483, 3359), (486, 3368), (495, 3410), (498, 3422), (512, 3461), (522, 3503), (526, 3527), (551, 3608), (556, 3617), (585, 3668),

Gene: Nyxis_12 Start: 8524, Stop: 9975, Start Num: 58

Candidate Starts for Nyxis_12:

(Start: 58 @8524 has 296 MA's), (132, 8671), (136, 8683), (190, 8851), (197, 8881), (209, 8920), (215, 8938), (247, 8998), (344, 9127), (349, 9145), (352, 9157), (377, 9256), (379, 9262), (385, 9283), (386, 9289), (411, 9358), (435, 9418), (443, 9463), (483, 9589), (484, 9592), (496, 9643), (497, 9649), (502, 9664), (510, 9694), (532, 9784), (544, 9820), (551, 9850),

Gene: OKCentral2016_12 Start: 8077, Stop: 9519, Start Num: 58

Candidate Starts for OKCentral2016_12:

(Start: 58 @8077 has 296 MA's), (136, 8236), (165, 8305), (186, 8383), (193, 8416), (197, 8434), (208, 8473), (210, 8476), (299, 8635), (347, 8692), (352, 8710), (377, 8809), (379, 8815), (385, 8836), (386, 8842), (443, 9016), (483, 9142), (484, 9145), (496, 9196), (497, 9202), (502, 9217), (510, 9247), (516, 9256), (532, 9337), (544, 9373), (551, 9403), (577, 9454),

Gene: OKaNui_12 Start: 8343, Stop: 9794, Start Num: 58

Candidate Starts for OKaNui_12:

(Start: 58 @8343 has 296 MA's), (132, 8490), (136, 8502), (190, 8670), (197, 8700), (209, 8739), (215, 8757), (247, 8817), (344, 8946), (349, 8964), (352, 8976), (377, 9075), (379, 9081), (385, 9102), (386, 9108), (411, 9177), (435, 9237), (443, 9282), (483, 9408), (484, 9411), (496, 9462), (502, 9483), (510, 9513), (532, 9603), (544, 9639), (551, 9669), (562, 9699),

Gene: Obama12_12 Start: 8557, Stop: 10008, Start Num: 58

Candidate Starts for Obama12_12:

(Start: 58 @8557 has 296 MA's), (136, 8716), (190, 8884), (197, 8914), (209, 8953), (215, 8971), (247, 9031), (344, 9160), (349, 9178), (377, 9289), (379, 9295), (385, 9316), (386, 9322), (411, 9391), (435, 9451), (483, 9622), (484, 9625), (496, 9676), (497, 9682), (502, 9697), (510, 9727), (532, 9817), (544, 9853), (546, 9865), (551, 9883), (562, 9913),

Gene: ObiToo_3 Start: 2292, Stop: 3827, Start Num: 76

Candidate Starts for ObiToo_3:

(Start: 76 @2292 has 57 MA's), (Start: 129 @2412 has 2 MA's), (165, 2511), (279, 2775), (342, 2868), (393, 3048), (453, 3204), (474, 3252), (478, 3282), (486, 3306), (530, 3480), (569, 3591), (612, 3669), (623, 3690),

Gene: Octobien14_14 Start: 7493, Stop: 8989, Start Num: 40

Candidate Starts for Octobien14_14:

(Start: 40 @7493 has 7 MA's), (65, 7538), (96, 7586), (101, 7604), (162, 7775), (165, 7781), (185, 7853), (192, 7889), (222, 7952), (228, 7961), (234, 7970), (241, 7985), (246, 7994), (265, 8036), (337, 8132), (338, 8135), (352, 8174), (357, 8192), (381, 8279), (434, 8405), (439, 8426), (464, 8516), (474, 8531), (486, 8585), (490, 8600), (496, 8630), (511, 8678), (513, 8681), (518, 8690), (520, 8705), (527, 8750), (531, 8762), (535, 8777), (537, 8783), (540, 8792), (557, 8858), (562, 8864), (574, 8879),

Gene: Odin_12 Start: 8081, Stop: 9538, Start Num: 59

Candidate Starts for Odin_12:

(Start: 59 @8081 has 322 MA's), (101, 8141), (132, 8234), (136, 8246), (179, 8360), (224, 8528), (352, 8717), (373, 8789), (377, 8816), (379, 8822), (385, 8843), (460, 9056), (496, 9188), (501, 9206), (502, 9209), (510, 9236), (516, 9245), (535, 9332), (544, 9362), (551, 9392), (560, 9422), (580, 9446),

Gene: OhShagHennessy_5 Start: 2598, Stop: 4271, Start Num: 61

Candidate Starts for OhShagHennessy_5:

(Start: 61 @2598 has 69 MA's), (101, 2661), (116, 2715), (127, 2739), (154, 2808), (162, 2832), (185, 2910), (192, 2946), (241, 3039), (291, 3117), (322, 3156), (349, 3219), (356, 3246), (357, 3249), (365, 3270), (371, 3291), (380, 3333), (381, 3336), (424, 3438), (428, 3453), (430, 3459), (450, 3540), (460, 3567), (461, 3573), (490, 3666), (495, 3693), (497, 3702), (518, 3756), (521, 3777), (524, 3798), (530, 3825), (533, 3834), (549, 3894), (557, 3924), (564, 3933), (626, 4041), (653, 4236),

Gene: Ohfah_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Ohfah_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Ohno789_12 Start: 8545, Stop: 9987, Start Num: 89

Candidate Starts for Ohno789_12:

(Start: 89 @8545 has 214 MA's), (162, 8743), (224, 8956), (349, 9151), (352, 9163), (377, 9262), (446, 9457), (460, 9496), (483, 9574), (485, 9580), (496, 9628), (499, 9640), (502, 9649), (525, 9739), (551, 9829), (562, 9862), (573, 9874),

Gene: OkiRoe_7 Start: 2767, Stop: 4302, Start Num: 32

Candidate Starts for OkiRoe_7:

(Start: 32 @2767 has 139 MA's), (Start: 81 @2839 has 1 MA's), (99, 2875), (105, 2884), (116, 2929), (150, 3013), (154, 3025), (165, 3055), (170, 3073), (185, 3124), (192, 3160), (199, 3187), (224, 3238), (227, 3241), (231, 3247), (238, 3262), (240, 3265), (278, 3337), (280, 3340), (289, 3358), (305, 3388), (331, 3433), (333, 3442), (349, 3487), (362, 3532), (373, 3565), (375, 3586), (380, 3601), (381, 3604), (382, 3607), (423, 3670), (429, 3688), (431, 3694), (445, 3766), (449, 3778), (450, 3781), (455, 3796), (475, 3841), (476, 3856), (482, 3877), (495, 3931), (496, 3934), (501, 3952), (505, 3967), (523, 4033), (526, 4048), (533, 4069), (543, 4105), (553, 4141), (607, 4228),

Gene: Oksu_4 Start: 2200, Stop: 3621, Start Num: 78

Candidate Starts for Oksu_4:

(Start: 78 @2200 has 61 MA's), (Start: 95 @2227 has 1 MA's), (99, 2239), (148, 2368), (153, 2386), (165, 2419), (185, 2488), (192, 2524), (197, 2545), (199, 2551), (208, 2575), (211, 2578), (253, 2653), (257, 2659), (268, 2686), (280, 2704), (301, 2746), (332, 2797), (338, 2815), (349, 2848), (351, 2857), (352, 2860), (367, 2908), (370, 2917), (375, 2947), (381, 2965), (388, 2998), (431, 3055), (449, 3139), (455, 3157), (464, 3184), (472, 3196), (474, 3199), (475, 3205), (476, 3220), (486, 3253), (518, 3358), (533, 3433), (534, 3439), (537, 3448), (540, 3457), (543, 3469), (572, 3532), (600, 3580),

Gene: OlanP_14 Start: 8906, Stop: 10360, Start Num: 58

Candidate Starts for OlanP_14:

(Start: 58 @8906 has 296 MA's), (Start: 90 @8936 has 2 MA's), (101, 8963), (136, 9068), (179, 9182), (193, 9248), (209, 9305), (247, 9383), (248, 9386), (349, 9527), (377, 9638), (379, 9644), (385, 9665), (443, 9830), (483, 9956), (496, 10010), (497, 10016), (502, 10031), (516, 10067), (535, 10154), (544, 10184), (551, 10214), (573, 10259), (581, 10268),

Gene: Oliynyk_8 Start: 4235, Stop: 5683, Start Num: 72

Candidate Starts for Oliynyk_8:

(70, 4232), (Start: 72 @4235 has 15 MA's), (Start: 83 @4241 has 105 MA's), (Start: 129 @4358 has 2 MA's), (148, 4406), (155, 4430), (269, 4724), (298, 4766), (312, 4793), (366, 4919), (370, 4931), (392, 5024), (426, 5102), (436, 5147), (448, 5204), (456, 5228), (520, 5441), (611, 5669),

Gene: Ollie_14 Start: 8525, Stop: 9979, Start Num: 58

Candidate Starts for Ollie_14:

(Start: 58 @8525 has 296 MA's), (Start: 90 @8555 has 2 MA's), (101, 8582), (136, 8687), (179, 8801), (193, 8867), (209, 8924), (247, 9002), (248, 9005), (349, 9146), (377, 9257), (379, 9263), (385, 9284), (443, 9449), (483, 9575), (496, 9629), (497, 9635), (502, 9650), (516, 9686), (535, 9773), (544, 9803), (551, 9833), (573, 9878), (581, 9887),

Gene: Omar_8 Start: 4088, Stop: 5557, Start Num: 83

Candidate Starts for Omar_8:

(Start: 83 @4088 has 105 MA's), (98, 4118), (Start: 129 @4205 has 2 MA's), (148, 4253), (151, 4265), (165, 4304), (185, 4397), (189, 4418), (208, 4481), (274, 4574), (312, 4637), (334, 4670), (366, 4763), (370, 4775), (387, 4850), (392, 4868), (399, 4886), (436, 5033), (448, 5090), (501, 5270), (520, 5327), (537, 5405), (541, 5417), (543, 5426), (611, 5543),

Gene: OmniCritical_10 Start: 3907, Stop: 5508, Start Num: 29

Candidate Starts for OmniCritical_10:

(Start: 29 @3907 has 30 MA's), (Start: 30 @3922 has 28 MA's), (Start: 39 @3946 has 1 MA's), (Start: 81 @4012 has 1 MA's), (105, 4057), (Start: 129 @4129 has 2 MA's), (150, 4186), (153, 4195), (154, 4198), (165, 4228), (185, 4297), (189, 4318), (197, 4354), (199, 4360), (208, 4384), (231, 4420), (238, 4435), (260, 4474), (333, 4609), (337, 4618), (345, 4636), (351, 4663), (352, 4666), (362, 4699), (373, 4732), (375, 4753), (382, 4774), (423, 4837), (431, 4861), (436, 4885), (445, 4933), (449, 4945), (453, 4957), (455, 4963), (472, 5002), (499, 5116), (501, 5122), (533, 5293), (541, 5320), (543, 5329), (567, 5392), (576, 5404),

Gene: Omnicron_7 Start: 2826, Stop: 4379, Start Num: 32

Candidate Starts for Omnicron_7:

(Start: 32 @2826 has 139 MA's), (Start: 81 @2901 has 1 MA's), (Start: 95 @2925 has 1 MA's), (99, 2937), (105, 2946), (116, 2991), (Start: 129 @3018 has 2 MA's), (150, 3075), (154, 3087), (185, 3186), (189, 3207), (192, 3222), (199, 3249), (224, 3300), (227, 3303), (238, 3324), (240, 3327), (278, 3399), (289, 3420), (349, 3549), (352, 3561), (362, 3594), (373, 3627), (375, 3648), (380, 3663), (381, 3666), (382, 3669), (423, 3732), (429, 3750), (440, 3810), (445, 3828), (449, 3840), (450, 3843), (455, 3858), (475, 3903), (476, 3918), (482, 3939), (486, 3951), (495, 3993), (496, 3996), (501, 4014), (523, 4095), (526, 4110), (533, 4131), (540, 4155), (543, 4167), (553, 4203), (607, 4290), (613, 4302),

Gene: Onglai_13 Start: 8259, Stop: 9746, Start Num: 59

Candidate Starts for Onglai_13:

(Start: 59 @8259 has 322 MA's), (101, 8322), (136, 8427), (165, 8496), (200, 8637), (213, 8676), (224, 8709), (247, 8742), (349, 8886), (373, 8970), (377, 8997), (379, 9003), (385, 9024), (392, 9054), (400, 9075), (417, 9099), (427, 9114), (496, 9369), (501, 9387), (510, 9417), (512, 9420), (516, 9426), (542, 9537), (544, 9543), (551, 9573), (573, 9618), (580, 9627),

Gene: Oofda_15 Start: 8351, Stop: 9811, Start Num: 59

Candidate Starts for Oofda_15:

(Start: 59 @8351 has 322 MA's), (101, 8411), (136, 8516), (163, 8582), (213, 8765), (224, 8798), (247, 8831), (373, 9062), (377, 9089), (379, 9095), (385, 9116), (389, 9137), (400, 9167), (417, 9191), (453, 9311), (483, 9407), (491, 9434), (496, 9461), (501, 9479), (502, 9482), (510, 9515), (516, 9524), (544, 9641), (551, 9671), (580, 9725),

Gene: Oogway_11 Start: 8676, Stop: 10118, Start Num: 89

Candidate Starts for Oogway_11:

(Start: 50 @8610 has 1 MA's), (Start: 89 @8676 has 214 MA's), (162, 8874), (224, 9087), (349, 9282), (352, 9294), (377, 9393), (446, 9588), (460, 9627), (483, 9705), (485, 9711), (496, 9759), (499, 9771), (502, 9780), (525, 9870), (551, 9960), (562, 9993), (573, 10005),

Gene: Orange_13 Start: 9784, Stop: 11241, Start Num: 59

Candidate Starts for Orange_13:

(Start: 59 @9784 has 322 MA's), (97, 9829), (101, 9844), (136, 9949), (224, 10231), (247, 10264), (352, 10420), (373, 10492), (377, 10519), (379, 10525), (385, 10546), (400, 10597), (490, 10861), (496, 10891), (502, 10912), (505, 10927), (510, 10939), (516, 10948), (535, 11035), (544, 11065), (551, 11095), (560, 11125), (610, 11191),

Gene: Origami_3 Start: 2290, Stop: 3654, Start Num: 76

Candidate Starts for Origami_3:

(Start: 76 @2290 has 57 MA's), (125, 2404), (Start: 129 @2413 has 2 MA's), (371, 2956), (376, 2986), (443, 3175), (474, 3253), (527, 3472), (530, 3481), (552, 3559),

Gene: Oscar_8 Start: 2918, Stop: 4462, Start Num: 32

Candidate Starts for Oscar_8:

(22, 2813), (Start: 29 @2903 has 30 MA's), (Start: 32 @2918 has 139 MA's), (51, 2954), (Start: 64 @2972 has 1 MA's), (Start: 95 @3017 has 1 MA's), (99, 3029), (105, 3038), (Start: 129 @3110 has 2 MA's), (136, 3134), (145, 3152), (150, 3167), (153, 3176), (154, 3179), (189, 3299), (192, 3314), (198, 3338), (199, 3341), (238, 3419), (260, 3458), (278, 3494), (289, 3515), (311, 3554), (333, 3599), (349, 3644), (351, 3653), (362, 3689), (373, 3722), (375, 3743), (382, 3764), (388, 3794), (423, 3827), (429, 3845), (445, 3923), (449, 3935), (450, 3938), (454, 3950), (455, 3953), (495, 4085), (496, 4088), (501, 4106), (518, 4148), (523, 4187), (525, 4199), (533, 4223), (540, 4247), (541, 4250), (543, 4259), (553, 4295), (607, 4382),

Gene: OverPar_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for OverPar_5:

(Start: 61 @2638 has 69 MA's), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: OwlsT2W_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for OwlsT2W_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Ozzie_7 Start: 4061, Stop: 5503, Start Num: 83

Candidate Starts for Ozzie_7:

(70, 4052), (Start: 72 @4055 has 15 MA's), (Start: 83 @4061 has 105 MA's), (Start: 129 @4178 has 2 MA's), (148, 4226), (269, 4544), (298, 4586), (312, 4613), (334, 4646), (366, 4739), (370, 4751), (392, 4844), (426, 4922), (436, 4967), (448, 5024), (456, 5048), (520, 5261), (611, 5489),

Gene: OzzyJ_8 Start: 4056, Stop: 5492, Start Num: 83

Candidate Starts for OzzyJ_8:

(Start: 72 @4050 has 15 MA's), (Start: 83 @4056 has 105 MA's), (96, 4080), (106, 4104), (Start: 129 @4173 has 2 MA's), (148, 4221), (151, 4233), (165, 4272), (200, 4425), (269, 4539), (298, 4581), (312, 4608), (334, 4641), (366, 4737), (370, 4749), (387, 4824), (392, 4842), (426, 4920), (436, 4965), (448, 5022), (513, 5235), (520, 5259), (551, 5391), (590, 5457), (611, 5478),

Gene: P28Green_14 Start: 8653, Stop: 10107, Start Num: 58

Candidate Starts for P28Green_14:

(Start: 58 @8653 has 296 MA's), (Start: 90 @8683 has 2 MA's), (101, 8710), (136, 8815), (179, 8929), (193, 8995), (209, 9052), (247, 9130), (248, 9133), (349, 9274), (377, 9385), (379, 9391), (385, 9412), (443, 9577), (483, 9703), (496, 9757), (497, 9763), (502, 9778), (516, 9814), (535, 9901), (544, 9931), (551, 9961), (573, 10006), (581, 10015),

Gene: PGHhamlin_16 Start: 8646, Stop: 10100, Start Num: 58

Candidate Starts for PGHhamlin_16:

(Start: 58 @8646 has 296 MA's), (Start: 90 @8676 has 2 MA's), (101, 8703), (136, 8808), (179, 8922), (193, 8988), (209, 9045), (247, 9123), (248, 9126), (349, 9267), (377, 9378), (379, 9384), (385, 9405), (443, 9570), (483, 9696), (496, 9750), (497, 9756), (502, 9771), (516, 9807), (535, 9894), (544, 9924),

(551, 9954), (573, 9999), (581, 10008),

Gene: PP_22 Start: 14143, Stop: 15684, Start Num: 58

Candidate Starts for PP_22:

(Start: 58 @14143 has 296 MA's), (136, 14308), (193, 14539), (219, 14623), (247, 14674), (299, 14755), (344, 14803), (347, 14815), (349, 14821), (351, 14830), (373, 14905), (377, 14932), (379, 14938), (385, 14959), (386, 14965), (392, 14989), (411, 15037), (443, 15142), (483, 15268), (484, 15271), (496, 15322), (497, 15328), (501, 15340), (502, 15343), (519, 15391), (526, 15442), (532, 15463), (535, 15469), (544, 15499), (560, 15559),

Gene: PSullivan_14 Start: 9164, Stop: 10606, Start Num: 89

Candidate Starts for PSullivan_14:

(Start: 50 @9098 has 1 MA's), (Start: 89 @9164 has 214 MA's), (162, 9362), (224, 9575), (349, 9770), (352, 9782), (377, 9881), (398, 9953), (446, 10076), (460, 10115), (483, 10193), (485, 10199), (496, 10247), (499, 10259), (502, 10268), (525, 10358), (551, 10448), (562, 10481), (573, 10493),

Gene: PYPDinur_5 Start: 2334, Stop: 3971, Start Num: 62

Candidate Starts for PYPDinur_5:

(Start: 62 @2334 has 9 MA's), (107, 2409), (153, 2538), (154, 2541), (165, 2571), (185, 2643), (192, 2679), (202, 2718), (291, 2850), (322, 2889), (339, 2922), (347, 2946), (349, 2952), (355, 2973), (356, 2979), (357, 2982), (365, 3003), (380, 3066), (381, 3069), (424, 3171), (430, 3192), (460, 3300), (461, 3306), (490, 3399), (495, 3426), (518, 3489), (524, 3531), (530, 3558), (533, 3567), (549, 3627), (557, 3657), (564, 3666), (570, 3672), (621, 3762), (626, 3774), (648, 3852),

Gene: Pablito_7 Start: 3894, Stop: 5375, Start Num: 83

Candidate Starts for Pablito_7:

(Start: 83 @3894 has 105 MA's), (Start: 129 @4011 has 2 MA's), (148, 4059), (151, 4071), (170, 4152), (185, 4203), (272, 4377), (298, 4416), (334, 4476), (366, 4569), (370, 4581), (387, 4656), (392, 4674), (397, 4686), (399, 4692), (401, 4698), (436, 4839), (446, 4890), (448, 4896), (520, 5133), (543, 5232), (551, 5265), (611, 5361),

Gene: PacerPaul_12 Start: 8932, Stop: 10374, Start Num: 89

Candidate Starts for PacerPaul_12:

(Start: 50 @8866 has 1 MA's), (Start: 89 @8932 has 214 MA's), (162, 9130), (224, 9343), (349, 9538), (352, 9550), (377, 9649), (398, 9721), (446, 9844), (460, 9883), (483, 9961), (485, 9967), (496, 10015), (499, 10027), (502, 10036), (525, 10126), (551, 10216), (562, 10249), (573, 10261),

Gene: PackMan_14 Start: 9893, Stop: 11380, Start Num: 59

Candidate Starts for PackMan_14:

(Start: 59 @9893 has 322 MA's), (101, 9956), (136, 10061), (200, 10271), (213, 10310), (224, 10343), (247, 10376), (349, 10520), (359, 10556), (362, 10565), (373, 10604), (377, 10631), (379, 10637), (385, 10658), (392, 10688), (400, 10709), (417, 10733), (427, 10748), (496, 11003), (501, 11021), (510, 11051), (512, 11054), (516, 11060), (542, 11171), (544, 11177), (551, 11207), (573, 11252), (580, 11261),

Gene: Padfoot_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for Padfoot_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: Padpat_9 Start: 3014, Stop: 4582, Start Num: 29

Candidate Starts for Padpat_9:

(22, 2927), (Start: 29 @3014 has 30 MA's), (Start: 32 @3029 has 139 MA's), (96, 3131), (99, 3140), (125, 3212), (Start: 129 @3221 has 2 MA's), (136, 3245), (150, 3278), (153, 3287), (185, 3389), (189, 3410), (198, 3449), (199, 3452), (231, 3515), (238, 3530), (250, 3554), (278, 3605), (289, 3626), (321, 3680), (362, 3800), (373, 3833), (375, 3854), (382, 3875), (388, 3905), (423, 3938), (429, 3956), (440, 4016), (445, 4034), (449, 4046), (450, 4049), (454, 4061), (455, 4064), (474, 4100), (484, 4148), (496, 4199), (501, 4217), (526, 4313), (533, 4334), (541, 4361), (543, 4370), (553, 4406),

Gene: Paedore_7 Start: 3938, Stop: 5407, Start Num: 83

Candidate Starts for Paedore_7:

(Start: 83 @3938 has 105 MA's), (Start: 129 @4055 has 2 MA's), (148, 4103), (151, 4115), (165, 4154), (185, 4247), (265, 4412), (269, 4418), (370, 4625), (387, 4700), (392, 4718), (397, 4730), (399, 4736), (401, 4742), (436, 4883), (446, 4934), (448, 4940), (475, 5009), (485, 5054), (501, 5120), (520, 5177), (541, 5267), (551, 5309), (611, 5393),

Gene: PainterBoy_14 Start: 9278, Stop: 10750, Start Num: 59

Candidate Starts for PainterBoy_14:

(Start: 59 @9278 has 322 MA's), (101, 9338), (131, 9425), (132, 9431), (136, 9443), (224, 9725), (247, 9758), (349, 9902), (351, 9911), (373, 9986), (376, 10010), (377, 10013), (379, 10019), (385, 10040), (496, 10385), (501, 10403), (502, 10406), (510, 10433), (516, 10442), (544, 10559), (551, 10589), (560, 10619), (573, 10634), (580, 10643), (619, 10703),

Gene: Palestino_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Palestino_12:

(Start: 58 @8578 has 296 MA's), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Panamaxus_13 Start: 8738, Stop: 10207, Start Num: 58

Candidate Starts for Panamaxus_13:

(Start: 58 @8738 has 296 MA's), (94, 8777), (136, 8903), (169, 8987), (186, 9050), (193, 9083), (197, 9101), (209, 9140), (219, 9167), (247, 9218), (344, 9344), (347, 9356), (351, 9371), (352, 9374), (373, 9446), (377, 9473), (379, 9479), (385, 9500), (386, 9506), (392, 9530), (411, 9572), (443, 9677), (483, 9803), (484, 9806), (496, 9857), (497, 9863), (502, 9878), (510, 9908), (544, 10034), (551, 10064), (562, 10094),

Gene: PandaPo_3 Start: 2285, Stop: 3661, Start Num: 76

Candidate Starts for PandaPo_3:

(Start: 76 @2285 has 57 MA's), (125, 2396), (Start: 129 @2405 has 2 MA's), (165, 2504), (208, 2666), (372, 2951), (393, 3041), (453, 3200), (474, 3248), (478, 3278), (486, 3302), (530, 3476),

Gene: Paola_7 Start: 2766, Stop: 4301, Start Num: 32

Candidate Starts for Paola_7:

(Start: 32 @2766 has 139 MA's), (Start: 81 @2838 has 1 MA's), (99, 2874), (105, 2883), (116, 2928), (150, 3012), (154, 3024), (165, 3054), (170, 3072), (185, 3123), (192, 3159), (199, 3186), (224, 3237), (227, 3240), (231, 3246), (238, 3261), (240, 3264), (278, 3336), (289, 3357), (305, 3387), (331, 3432), (349, 3486), (362, 3531), (373, 3564), (375, 3585), (380, 3600), (381, 3603), (382, 3606), (423, 3669), (429, 3687), (431, 3693), (445, 3765), (449, 3777), (450, 3780), (455, 3795), (475, 3840), (476, 3855), (482, 3876), (495, 3930), (496, 3933), (501, 3951), (505, 3966), (523, 4032), (526, 4047), (533, 4068), (543, 4104), (553, 4140), (607, 4227),

Gene: Paolo_9 Start: 4480, Stop: 5949, Start Num: 83

Candidate Starts for Paolo_9:

(Start: 83 @4480 has 105 MA's), (Start: 129 @4597 has 2 MA's), (151, 4657), (165, 4696), (185, 4789), (189, 4810), (199, 4846), (298, 5002), (312, 5029), (351, 5107), (370, 5167), (379, 5209), (387, 5242), (392, 5260), (399, 5278), (402, 5287), (418, 5368), (436, 5425), (446, 5476), (448, 5482), (501, 5662), (520, 5719), (541, 5809), (543, 5818), (611, 5935),

Gene: Papez_14 Start: 10127, Stop: 11569, Start Num: 89

Candidate Starts for Papez_14:

(Start: 50 @10061 has 1 MA's), (Start: 89 @10127 has 214 MA's), (162, 10325), (224, 10538), (349, 10733), (352, 10745), (377, 10844), (398, 10916), (446, 11039), (460, 11078), (483, 11156), (485, 11162), (496, 11210), (499, 11222), (502, 11231), (516, 11264), (525, 11321), (551, 11411), (562, 11444), (573, 11456),

Gene: Paphu_11 Start: 8121, Stop: 9563, Start Num: 89

Candidate Starts for Paphu_11:

(Start: 50 @8055 has 1 MA's), (Start: 89 @8121 has 214 MA's), (162, 8319), (224, 8532), (349, 8727), (352, 8739), (377, 8838), (446, 9033), (460, 9072), (483, 9150), (485, 9156), (496, 9204), (499, 9216), (502, 9225), (525, 9315), (551, 9405), (562, 9438), (573, 9450),

Gene: Paraselene_11 Start: 8433, Stop: 9875, Start Num: 89

Candidate Starts for Paraselene_11:

(Start: 50 @8367 has 1 MA's), (Start: 89 @8433 has 214 MA's), (162, 8631), (224, 8844), (349, 9039), (352, 9051), (377, 9150), (446, 9345), (460, 9384), (483, 9462), (485, 9468), (496, 9516), (499, 9528), (502, 9537), (525, 9627), (551, 9717), (562, 9750), (573, 9762),

Gene: Pari_13 Start: 8900, Stop: 10342, Start Num: 89

Candidate Starts for Pari_13:

(Start: 50 @8834 has 1 MA's), (Start: 89 @8900 has 214 MA's), (162, 9098), (224, 9311), (349, 9506), (352, 9518), (377, 9617), (446, 9812), (460, 9851), (483, 9929), (485, 9935), (496, 9983), (499, 9995), (502, 10004), (516, 10037), (525, 10094), (551, 10184), (562, 10217), (573, 10229),

Gene: Parliament_11 Start: 8503, Stop: 9945, Start Num: 89

Candidate Starts for Parliament_11:

(Start: 50 @8437 has 1 MA's), (Start: 89 @8503 has 214 MA's), (162, 8701), (224, 8914), (349, 9109), (352, 9121), (377, 9220), (446, 9415), (460, 9454), (483, 9532), (485, 9538), (496, 9586), (499, 9598), (502, 9607), (525, 9697), (551, 9787), (562, 9820), (573, 9832),

Gene: Partridge_9 Start: 4894, Stop: 6324, Start Num: 58

Candidate Starts for Partridge_9:

(Start: 58 @4894 has 296 MA's), (149, 5071), (155, 5092), (165, 5119), (169, 5134), (186, 5197), (213, 5296), (219, 5311), (299, 5440), (351, 5512), (374, 5599), (375, 5608), (377, 5614), (389, 5662), (427, 5731), (431, 5740), (443, 5806), (446, 5815), (491, 5959), (501, 6004), (502, 6007), (526, 6100), (544, 6157), (551, 6187), (560, 6214), (573, 6226), (577, 6232),

Gene: PascalRango_11 Start: 8299, Stop: 9741, Start Num: 89

Candidate Starts for PascalRango_11:

(Start: 50 @8233 has 1 MA's), (Start: 89 @8299 has 214 MA's), (162, 8497), (224, 8710), (349, 8905), (350, 8908), (377, 9016), (398, 9088), (446, 9211), (460, 9250), (483, 9328), (485, 9334), (496, 9382), (499, 9394), (502, 9403), (525, 9493), (551, 9583), (562, 9616), (573, 9628),

Gene: Patt_10 Start: 3854, Stop: 5440, Start Num: 30

Candidate Starts for Patt_10:

(Start: 29 @3839 has 30 MA's), (Start: 30 @3854 has 28 MA's), (Start: 39 @3878 has 1 MA's), (Start: 81 @3944 has 1 MA's), (105, 3989), (Start: 129 @4061 has 2 MA's), (150, 4118), (151, 4121), (154, 4130), (165, 4160), (185, 4229), (189, 4250), (192, 4265), (197, 4286), (199, 4292), (208, 4316), (231, 4352), (238, 4367), (260, 4406), (333, 4541), (337, 4550), (345, 4568), (351, 4595), (352, 4598), (362, 4631), (373, 4664), (375, 4685), (382, 4706), (423, 4769), (431, 4793), (436, 4817), (445, 4865), (449, 4877), (453, 4889), (455, 4895), (472, 4934), (499, 5048), (501, 5054), (533, 5225), (541, 5252), (543, 5261), (567, 5324), (576, 5336),

Gene: PattyP_14 Start: 8957, Stop: 10399, Start Num: 89

Candidate Starts for PattyP_14:

(Start: 50 @8891 has 1 MA's), (Start: 89 @8957 has 214 MA's), (162, 9155), (224, 9368), (349, 9563), (350, 9566), (377, 9674), (398, 9746), (446, 9869), (460, 9908), (483, 9986), (485, 9992), (496, 10040), (499, 10052), (502, 10061), (525, 10151), (551, 10241), (562, 10274), (573, 10286),

Gene: Pavo_8 Start: 4175, Stop: 5608, Start Num: 83

Candidate Starts for Pavo_8:

(Start: 83 @4175 has 105 MA's), (Start: 129 @4292 has 2 MA's), (148, 4340), (151, 4352), (237, 4595), (288, 4682), (323, 4742), (334, 4760), (337, 4766), (370, 4865), (387, 4940), (392, 4958), (409, 4997), (426, 5033), (448, 5135), (496, 5297), (501, 5315), (520, 5372), (541, 5462), (551, 5504), (590, 5570), (611, 5594),

Gene: Pawn_14 Start: 8726, Stop: 10180, Start Num: 58

Candidate Starts for Pawn_14:

(Start: 58 @8726 has 296 MA's), (Start: 90 @8756 has 2 MA's), (101, 8783), (136, 8888), (179, 9002), (193, 9068), (209, 9125), (247, 9203), (248, 9206), (349, 9347), (377, 9458), (379, 9464), (385, 9485), (443, 9650), (483, 9776), (496, 9830), (497, 9836), (502, 9851), (516, 9887), (535, 9974), (544, 10004), (551, 10034), (573, 10079), (581, 10088),

Gene: Payneful_12 Start: 8246, Stop: 9688, Start Num: 89

Candidate Starts for Payneful_12:

(Start: 50 @8180 has 1 MA's), (Start: 89 @8246 has 214 MA's), (162, 8444), (224, 8657), (233, 8669), (247, 8693), (349, 8852), (352, 8864), (377, 8963), (446, 9158), (460, 9197), (483, 9275), (485, 9281), (496, 9329), (499, 9341), (502, 9350), (525, 9440), (551, 9530), (562, 9563), (573, 9575),

Gene: PeaceMeal1_11 Start: 6471, Stop: 7931, Start Num: 58

Candidate Starts for PeaceMeal1_11:

(Start: 58 @6471 has 296 MA's), (Start: 90 @6498 has 2 MA's), (114, 6564), (132, 6618), (136, 6630), (142, 6639), (186, 6777), (193, 6810), (197, 6828), (208, 6867), (210, 6870), (247, 6948), (347, 7086), (352, 7104), (377, 7203), (379, 7209), (385, 7230), (386, 7236), (392, 7260), (411, 7311), (443, 7416), (483, 7542), (484, 7545), (496, 7596), (497, 7602), (502, 7617), (510, 7647), (516, 7656), (532, 7737), (544, 7773), (551, 7803), (577, 7854), (580, 7857),

Gene: Peaches_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Peaches_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (376, 9307), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Peanam_9 Start: 3102, Stop: 4652, Start Num: 32

Candidate Starts for Peanam_9:

(22, 2997), (Start: 29 @3087 has 30 MA's), (Start: 32 @3102 has 139 MA's), (99, 3204), (Start: 129 @3285 has 2 MA's), (136, 3309), (153, 3351), (185, 3453), (189, 3474), (192, 3489), (231, 3579), (238, 3594), (278, 3669), (301, 3714), (321, 3744), (330, 3759), (331, 3765), (337, 3783), (349, 3819), (352, 3831), (362, 3864), (373, 3897), (375, 3918), (380, 3933), (382, 3939), (388, 3969), (423, 4002), (429, 4020), (445, 4098), (449, 4110), (450, 4113), (454, 4125), (455, 4128), (474, 4164), (495, 4260), (496, 4263), (501, 4281), (518, 4323), (525, 4374), (533, 4398), (540, 4422), (541, 4425), (543, 4434), (564, 4494), (591, 4530), (607, 4557),

Gene: Peas_3 Start: 2383, Stop: 3747, Start Num: 74

Candidate Starts for Peas_3:

(Start: 74 @2383 has 11 MA's), (145, 2551), (151, 2569), (163, 2605), (199, 2743), (216, 2779), (275, 2890), (281, 2905), (300, 2920), (327, 2965), (335, 2986), (347, 3019), (381, 3139), (440, 3298), (450, 3331), (471, 3385), (496, 3487), (526, 3589), (527, 3595), (589, 3739),

Gene: Peel_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for Peel_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: PegLeg_15 Start: 6259, Stop: 7881, Start Num: 35

Candidate Starts for PegLeg_15:

(Start: 35 @6259 has 23 MA's), (43, 6274), (105, 6382), (110, 6400), (125, 6448), (138, 6481), (145, 6493), (153, 6517), (162, 6544), (165, 6550), (185, 6622), (186, 6628), (192, 6658), (222, 6739), (225, 6745), (228, 6748), (237, 6766), (340, 6922), (349, 6940), (352, 6952), (367, 7000), (381, 7057), (382, 7060), (405, 7129), (434, 7183), (440, 7219), (456, 7270), (458, 7273), (472, 7303), (475, 7312), (491, 7378), (492, 7381), (495, 7402), (496, 7405), (513, 7456), (533, 7543), (574, 7654), (593, 7684), (611, 7720), (614, 7726), (621, 7741), (626, 7753), (647, 7837),

Gene: PeggyLeg03_3 Start: 2384, Stop: 3745, Start Num: 74

Candidate Starts for PeggyLeg03_3:

(Start: 74 @2384 has 11 MA's), (126, 2501), (145, 2552), (151, 2570), (163, 2606), (179, 2654), (216, 2780), (259, 2861), (275, 2891), (327, 2966), (352, 3035), (376, 3125), (381, 3140), (450, 3332), (471, 3386), (501, 3506), (527, 3596), (564, 3710),

Gene: Pelly_13 Start: 9132, Stop: 10574, Start Num: 89

Candidate Starts for Pelly_13:

(Start: 50 @9066 has 1 MA's), (Start: 89 @9132 has 214 MA's), (162, 9330), (224, 9543), (300, 9672), (349, 9738), (352, 9750), (377, 9849), (398, 9921), (446, 10044), (460, 10083), (483, 10161), (485, 10167), (496, 10215), (499, 10227), (502, 10236), (525, 10326), (551, 10416), (562, 10449), (573, 10461),

Gene: Pembroke_14 Start: 8655, Stop: 10109, Start Num: 58

Candidate Starts for Pembroke_14:

(Start: 58 @8655 has 296 MA's), (Start: 90 @8685 has 2 MA's), (101, 8712), (136, 8817), (179, 8931), (193, 8997), (209, 9054), (247, 9132), (248, 9135), (349, 9276), (377, 9387), (379, 9393), (385, 9414), (443, 9579), (483, 9705), (496, 9759), (497, 9765), (502, 9780), (516, 9816), (535, 9903), (544, 9933), (551, 9963), (573, 10008), (581, 10017),

Gene: Penny1_14 Start: 8654, Stop: 10108, Start Num: 58

Candidate Starts for Penny1_14:

(Start: 58 @8654 has 296 MA's), (Start: 90 @8684 has 2 MA's), (101, 8711), (136, 8816), (179, 8930), (193, 8996), (209, 9053), (247, 9131), (248, 9134), (349, 9275), (377, 9386), (379, 9392), (385, 9413), (443, 9578), (483, 9704), (496, 9758), (497, 9764), (502, 9779), (516, 9815), (535, 9902), (544, 9932), (551, 9962), (573, 10007), (581, 10016),

Gene: Pepe_13 Start: 9155, Stop: 10597, Start Num: 89

Candidate Starts for Pepe_13:

(Start: 50 @9089 has 1 MA's), (Start: 89 @9155 has 214 MA's), (162, 9353), (224, 9566), (349, 9761), (352, 9773), (377, 9872), (446, 10067), (460, 10106), (483, 10184), (485, 10190), (496, 10238), (499, 10250), (502, 10259), (516, 10292), (525, 10349), (551, 10439), (562, 10472), (573, 10484),

Gene: Percival_3 Start: 2531, Stop: 3802, Start Num: 129

Candidate Starts for Percival_3:

(Start: 129 @2531 has 2 MA's), (165, 2630), (244, 2816), (375, 3089), (397, 3164), (428, 3224), (450, 3320), (464, 3362), (465, 3365), (478, 3407), (524, 3572), (527, 3590), (530, 3599), (612, 3779),

Gene: Peridot_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Peridot_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Perplexer_12 Start: 8581, Stop: 10032, Start Num: 58

Candidate Starts for Perplexer_12:

(Start: 58 @8581 has 296 MA's), (132, 8731), (136, 8743), (186, 8890), (190, 8911), (197, 8941), (209, 8980), (215, 8998), (219, 9007), (247, 9058), (344, 9187), (349, 9205), (362, 9250), (377, 9316), (379, 9322), (385, 9343), (386, 9349), (411, 9418), (435, 9478), (443, 9523), (483, 9649), (484, 9652), (496, 9703), (497, 9709), (501, 9721), (502, 9724), (510, 9751), (535, 9847), (544, 9877), (546, 9889), (551, 9907), (562, 9937),

Gene: Perseus_13 Start: 8816, Stop: 10258, Start Num: 89

Candidate Starts for Perseus_13:

(Start: 50 @8750 has 1 MA's), (Start: 89 @8816 has 214 MA's), (162, 9014), (224, 9227), (349, 9422), (352, 9434), (377, 9533), (398, 9605), (446, 9728), (460, 9767), (483, 9845), (485, 9851), (496, 9899), (499, 9911), (502, 9920), (525, 10010), (551, 10100), (562, 10133), (573, 10145),

Gene: Persistence_3 Start: 2346, Stop: 3683, Start Num: 88

Candidate Starts for Persistence_3:

(67, 2319), (Start: 80 @2334 has 4 MA's), (Start: 88 @2346 has 31 MA's), (106, 2388), (130, 2457), (132, 2469), (182, 2610), (216, 2727), (224, 2751), (247, 2784), (354, 2952), (375, 3036), (379, 3048), (380, 3051), (386, 3075), (399, 3117), (446, 3243), (486, 3369), (495, 3411), (519, 3477), (525, 3525), (551, 3609), (552, 3612), (556, 3618), (585, 3669),

Gene: PeterPeter_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for PeterPeter_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Petersenfast_12 Start: 9787, Stop: 11244, Start Num: 59

Candidate Starts for Petersenfast_12:

(Start: 59 @9787 has 322 MA's), (97, 9832), (101, 9847), (136, 9952), (224, 10234), (247, 10267), (352, 10423), (373, 10495), (377, 10522), (379, 10528), (385, 10549), (400, 10600), (490, 10864), (496, 10894), (502, 10915), (505, 10930), (510, 10942), (516, 10951), (535, 11038), (544, 11068), (551, 11098), (560, 11128), (610, 11194),

Gene: Peterson_15 Start: 10115, Stop: 11557, Start Num: 89

Candidate Starts for Peterson_15:

(Start: 50 @10049 has 1 MA's), (Start: 89 @10115 has 214 MA's), (162, 10313), (224, 10526), (349, 10721), (352, 10733), (377, 10832), (446, 11027), (460, 11066), (483, 11144), (485, 11150), (495, 11195), (496, 11198), (499, 11210), (502, 11219), (516, 11252), (525, 11309), (551, 11399), (562, 11432),

Gene: PetiteSangsue_12 Start: 8587, Stop: 10038, Start Num: 58

Candidate Starts for PetiteSangsue_12:

(Start: 58 @8587 has 296 MA's), (132, 8737), (136, 8749), (186, 8896), (190, 8917), (197, 8947), (209, 8986), (215, 9004), (219, 9013), (247, 9064), (344, 9193), (349, 9211), (362, 9256), (377, 9322), (379, 9328), (385, 9349), (386, 9355), (411, 9424), (435, 9484), (443, 9529), (483, 9655), (484, 9658), (496, 9709), (497, 9715), (501, 9727), (502, 9730), (510, 9757), (535, 9853), (544, 9883), (546, 9895), (551, 9913), (562, 9943),

Gene: Petp2012_14 Start: 9631, Stop: 11073, Start Num: 89

Candidate Starts for Petp2012_14:

(Start: 50 @9565 has 1 MA's), (Start: 89 @9631 has 214 MA's), (162, 9829), (224, 10042), (349, 10237), (350, 10240), (377, 10348), (398, 10420), (446, 10543), (460, 10582), (483, 10660), (485, 10666), (496, 10714), (499, 10726), (502, 10735), (525, 10825), (551, 10915), (562, 10948), (573, 10960),

Gene: Petruchio_12 Start: 8374, Stop: 9816, Start Num: 89

Candidate Starts for Petruchio_12:

(Start: 50 @8308 has 1 MA's), (Start: 89 @8374 has 214 MA's), (162, 8572), (224, 8785), (349, 8980), (352, 8992), (377, 9091), (446, 9286), (460, 9325), (483, 9403), (485, 9409), (496, 9457), (499, 9469), (502, 9478), (525, 9568), (551, 9658), (562, 9691), (573, 9703),

Gene: PetterN_11 Start: 7735, Stop: 9168, Start Num: 59

Candidate Starts for PetterN_11:

(Start: 59 @7735 has 322 MA's), (131, 7864), (149, 7903), (153, 7918), (200, 8092), (209, 8119), (224, 8164), (247, 8197), (258, 8218), (299, 8278), (351, 8350), (352, 8353), (373, 8425), (379, 8458), (385, 8479), (392, 8509), (483, 8770), (496, 8824), (501, 8842), (516, 8881), (544, 8998), (551, 9028), (560, 9058), (573, 9073), (581, 9082),

Gene: Ph8s_14 Start: 8043, Stop: 9500, Start Num: 59

Candidate Starts for Ph8s_14:

(Start: 59 @8043 has 322 MA's), (101, 8103), (136, 8208), (224, 8490), (352, 8679), (373, 8751), (377, 8778), (379, 8784), (385, 8805), (386, 8811), (460, 9018), (496, 9150), (501, 9168), (502, 9171), (510, 9198), (516, 9207), (535, 9294), (544, 9324), (551, 9354), (560, 9384), (580, 9408), (595, 9429),

Gene: Phacado_12 Start: 8577, Stop: 10028, Start Num: 58

Candidate Starts for Phacado_12:

(Start: 58 @8577 has 296 MA's), (132, 8724), (136, 8736), (190, 8904), (197, 8934), (209, 8973), (215, 8991), (247, 9051), (344, 9180), (349, 9198), (352, 9210), (377, 9309), (379, 9315), (385, 9336), (386,

9342), (411, 9411), (435, 9471), (443, 9516), (483, 9642), (484, 9645), (496, 9696), (502, 9717), (510, 9747), (532, 9837), (544, 9873), (551, 9903), (562, 9933),

Gene: Phaded_16 Start: 11324, Stop: 12778, Start Num: 59

Candidate Starts for Phaded_16:

(Start: 59 @11324 has 322 MA's), (101, 11384), (136, 11489), (179, 11603), (200, 11699), (224, 11771), (373, 12032), (377, 12059), (379, 12065), (385, 12086), (400, 12137), (496, 12431), (501, 12449), (510, 12479), (516, 12488), (526, 12548), (535, 12575), (544, 12605), (551, 12635), (560, 12665), (580, 12689),

Gene: Phaeder_14 Start: 9893, Stop: 11380, Start Num: 59

Candidate Starts for Phaeder_14:

(Start: 59 @9893 has 322 MA's), (101, 9956), (136, 10061), (200, 10271), (213, 10310), (224, 10343), (247, 10376), (349, 10520), (359, 10556), (362, 10565), (373, 10604), (377, 10631), (379, 10637), (385, 10658), (392, 10688), (400, 10709), (417, 10733), (427, 10748), (496, 11003), (501, 11021), (510, 11051), (512, 11054), (516, 11060), (542, 11171), (544, 11177), (551, 11207), (573, 11252), (580, 11261),

Gene: PhailMary_8 Start: 4901, Stop: 6331, Start Num: 58

Candidate Starts for PhailMary_8:

(Start: 58 @4901 has 296 MA's), (149, 5078), (155, 5099), (165, 5126), (169, 5141), (186, 5204), (219, 5318), (299, 5447), (351, 5519), (374, 5606), (375, 5615), (377, 5621), (389, 5669), (427, 5738), (431, 5747), (443, 5813), (446, 5822), (491, 5966), (501, 6011), (502, 6014), (526, 6107), (544, 6164), (551, 6194), (560, 6221), (573, 6233), (577, 6239),

Gene: Phantastic_12 Start: 8155, Stop: 9621, Start Num: 59

Candidate Starts for Phantastic_12:

(Start: 59 @8155 has 322 MA's), (136, 8326), (169, 8410), (186, 8473), (193, 8506), (197, 8524), (209, 8563), (219, 8590), (245, 8638), (347, 8779), (350, 8788), (373, 8869), (376, 8893), (377, 8896), (379, 8902), (385, 8923), (386, 8929), (443, 9100), (483, 9226), (484, 9229), (496, 9280), (497, 9286), (502, 9301), (510, 9331), (544, 9457), (551, 9487), (562, 9517),

Gene: PhaoMing_2 Start: 2217, Stop: 3704, Start Num: 45

Candidate Starts for PhaoMing_2:

(45, 2217), (Start: 66 @2256 has 4 MA's), (68, 2259), (Start: 72 @2265 has 15 MA's), (92, 2295), (94, 2298), (99, 2310), (103, 2322), (111, 2349), (113, 2355), (117, 2379), (120, 2388), (137, 2418), (143, 2433), (150, 2451), (154, 2463), (161, 2484), (162, 2487), (185, 2580), (189, 2601), (192, 2616), (195, 2628), (199, 2643), (200, 2646), (202, 2655), (214, 2682), (226, 2712), (232, 2721), (239, 2736), (242, 2739), (263, 2784), (265, 2793), (291, 2838), (299, 2853), (314, 2877), (328, 2901), (349, 2952), (357, 2982), (358, 2985), (372, 3030), (373, 3033), (379, 3066), (422, 3150), (426, 3156), (440, 3219), (451, 3255), (453, 3261), (456, 3270), (464, 3294), (467, 3300), (476, 3333), (478, 3342), (518, 3471), (520, 3486), (530, 3540), (533, 3549), (546, 3600), (567, 3648), (585, 3675),

Gene: Pharaoh_13 Start: 9690, Stop: 11159, Start Num: 59

Candidate Starts for Pharaoh_13:

(16, 9345), (Start: 59 @9690 has 322 MA's), (101, 9750), (109, 9774), (136, 9855), (179, 9969), (200, 10065), (224, 10137), (247, 10170), (348, 10311), (373, 10398), (377, 10425), (379, 10431), (385, 10452), (400, 10503), (496, 10797), (501, 10815), (510, 10845), (516, 10854), (526, 10914), (544, 10971), (551, 11001), (555, 11010), (560, 11031), (580, 11055), (628, 11133),

Gene: Pharb_8 Start: 2724, Stop: 4280, Start Num: 32

Candidate Starts for Pharb_8:

(20, 2592), (Start: 29 @2709 has 30 MA's), (Start: 32 @2724 has 139 MA's), (36, 2733), (52, 2754), (96, 2817), (99, 2826), (136, 2931), (150, 2964), (154, 2976), (185, 3075), (189, 3096), (192, 3111), (199, 3138), (224, 3189), (231, 3198), (238, 3213), (278, 3288), (289, 3309), (306, 3342), (337, 3402), (352, 3450), (362, 3483), (373, 3516), (380, 3552), (423, 3621), (429, 3639), (440, 3699), (445, 3717), (449, 3729), (450, 3732), (455, 3747), (464, 3774), (482, 3828), (484, 3834), (495, 3882), (501, 3903), (533, 4023), (540, 4047), (541, 4050), (543, 4059), (553, 4095),

Gene: Phelipe_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Phelipe_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: PhelpsODU_8 Start: 2988, Stop: 4538, Start Num: 32

Candidate Starts for PhelpsODU_8:

(20, 2856), (22, 2883), (Start: 29 @2973 has 30 MA's), (Start: 32 @2988 has 139 MA's), (99, 3096), (Start: 129 @3177 has 2 MA's), (136, 3201), (153, 3243), (165, 3276), (185, 3345), (189, 3366), (192, 3381), (199, 3408), (238, 3486), (289, 3582), (316, 3627), (337, 3675), (352, 3723), (362, 3756), (373, 3789), (375, 3810), (382, 3831), (388, 3861), (423, 3894), (429, 3912), (449, 4002), (450, 4005), (455, 4020), (474, 4056), (475, 4062), (484, 4104), (496, 4155), (501, 4173), (523, 4254), (525, 4266), (526, 4269), (540, 4314), (541, 4317), (543, 4326),

Gene: PherrisBueller_13 Start: 8584, Stop: 10026, Start Num: 89

Candidate Starts for PherrisBueller_13:

(Start: 50 @8518 has 1 MA's), (Start: 89 @8584 has 214 MA's), (162, 8782), (224, 8995), (349, 9190), (352, 9202), (377, 9301), (446, 9496), (460, 9535), (483, 9613), (485, 9619), (496, 9667), (499, 9679), (502, 9688), (525, 9778), (551, 9868), (562, 9901), (573, 9913),

Gene: Phettuccine_7 Start: 4081, Stop: 5523, Start Num: 83

Candidate Starts for Phettuccine_7:

(70, 4072), (Start: 72 @4075 has 15 MA's), (Start: 83 @4081 has 105 MA's), (Start: 129 @4198 has 2 MA's), (148, 4246), (269, 4564), (298, 4606), (312, 4633), (334, 4666), (366, 4759), (370, 4771), (392, 4864), (426, 4942), (436, 4987), (448, 5044), (456, 5068), (520, 5281), (611, 5509),

Gene: Phighter1804_12 Start: 8554, Stop: 10005, Start Num: 58

Candidate Starts for Phighter1804_12:

(Start: 58 @8554 has 296 MA's), (136, 8713), (190, 8881), (197, 8911), (209, 8950), (215, 8968), (247, 9028), (344, 9157), (349, 9175), (377, 9286), (379, 9292), (385, 9313), (386, 9319), (411, 9388), (435, 9448), (443, 9493), (483, 9619), (484, 9622), (496, 9673), (497, 9679), (502, 9694), (510, 9724), (532, 9814), (544, 9850), (551, 9880), (562, 9910),

Gene: Phillis_10 Start: 7418, Stop: 8848, Start Num: 59

Candidate Starts for Phillis_10:

(Start: 59 @7418 has 322 MA's), (135, 7568), (186, 7715), (224, 7850), (299, 7961), (349, 8024), (362, 8069), (377, 8135), (385, 8162), (443, 8327), (476, 8429), (496, 8507), (497, 8513), (516, 8564), (544, 8681), (551, 8711), (581, 8765), (627, 8825),

Gene: PhineBark_11 Start: 9471, Stop: 10913, Start Num: 89

Candidate Starts for PhineBark_11:

(Start: 50 @9405 has 1 MA's), (Start: 89 @9471 has 214 MA's), (162, 9669), (224, 9882), (349, 10077), (352, 10089), (377, 10188), (446, 10383), (460, 10422), (483, 10500), (485, 10506), (496, 10554), (499, 10566), (502, 10575), (516, 10608), (525, 10665), (551, 10755), (562, 10788), (573, 10800),

Gene: PhishRPhriends_13 Start: 7917, Stop: 9371, Start Num: 58

Candidate Starts for PhishRPhriends_13:

(Start: 58 @7917 has 296 MA's), (Start: 90 @7947 has 2 MA's), (101, 7974), (136, 8079), (179, 8193), (193, 8259), (209, 8316), (247, 8394), (248, 8397), (349, 8538), (377, 8649), (379, 8655), (385, 8676), (443, 8841), (483, 8967), (496, 9021), (497, 9027), (502, 9042), (516, 9078), (535, 9165), (544, 9195), (551, 9225), (573, 9270), (581, 9279),

Gene: Phishy_6 Start: 3023, Stop: 4489, Start Num: 85

Candidate Starts for Phishy_6:

(Start: 85 @3023 has 6 MA's), (102, 3056), (132, 3146), (156, 3206), (160, 3218), (164, 3227), (183, 3290), (191, 3335), (192, 3338), (193, 3341), (196, 3356), (197, 3359), (199, 3365), (212, 3398), (230, 3422), (254, 3470), (277, 3515), (286, 3533), (293, 3545), (298, 3554), (300, 3560), (314, 3584), (340, 3632), (362, 3704), (373, 3737), (383, 3782), (396, 3830), (413, 3911), (428, 3944), (433, 3959), (437, 3983), (445, 4025), (460, 4067), (472, 4094), (476, 4118), (493, 4184), (495, 4193), (515, 4244), (525, 4295), (540, 4343), (546, 4370), (550, 4382), (568, 4427), (603, 4472),

Gene: Phives_4 Start: 3338, Stop: 4720, Start Num: 76

Candidate Starts for Phives_4:

(Start: 76 @3338 has 57 MA's), (Start: 129 @3458 has 2 MA's), (165, 3557), (279, 3821), (393, 4094), (453, 4253), (474, 4301), (478, 4331), (486, 4355), (530, 4529), (575, 4649),

Gene: Phlei_9 Start: 9660, Stop: 11111, Start Num: 59

Candidate Starts for Phlei_9:

(Start: 59 @9660 has 322 MA's), (136, 9825), (224, 10107), (349, 10287), (352, 10299), (354, 10305), (373, 10371), (377, 10398), (379, 10404), (384, 10422), (385, 10425), (386, 10431), (400, 10476), (440, 10578), (496, 10770), (501, 10788), (502, 10791), (510, 10818), (516, 10827), (527, 10893), (544, 10944), (551, 10974), (560, 11004), (573, 11019), (582, 11031),

Gene: Phlippers_11 Start: 9656, Stop: 11098, Start Num: 89

Candidate Starts for Phlippers_11:

(Start: 50 @9590 has 1 MA's), (Start: 89 @9656 has 214 MA's), (162, 9854), (224, 10067), (349, 10262), (352, 10274), (377, 10373), (446, 10568), (460, 10607), (483, 10685), (485, 10691), (496, 10739), (499, 10751), (502, 10760), (525, 10850), (551, 10940), (562, 10973), (573, 10985),

Gene: Phlorence_10 Start: 8047, Stop: 9480, Start Num: 59

Candidate Starts for Phlorence_10:

(Start: 59 @8047 has 322 MA's), (149, 8215), (153, 8230), (155, 8236), (200, 8404), (209, 8431), (247, 8509), (299, 8590), (351, 8662), (352, 8665), (373, 8737), (379, 8770), (385, 8791), (392, 8821), (417, 8866), (483, 9082), (496, 9136), (501, 9154), (516, 9193), (544, 9310), (551, 9340), (560, 9370), (581, 9394),

Gene: Phoebe_14 Start: 8652, Stop: 10106, Start Num: 58

Candidate Starts for Phoebe_14:

(Start: 58 @8652 has 296 MA's), (Start: 90 @8682 has 2 MA's), (101, 8709), (136, 8814), (179, 8928), (193, 8994), (209, 9051), (247, 9129), (248, 9132), (349, 9273), (377, 9384), (379, 9390), (385, 9411), (443, 9576), (483, 9702), (496, 9756), (497, 9762), (502, 9777), (516, 9813), (535, 9900), (544, 9930), (551, 9960), (573, 10005), (581, 10014),

Gene: Phonnegut_14 Start: 9926, Stop: 11413, Start Num: 59

Candidate Starts for Phonnegut_14:

(Start: 59 @9926 has 322 MA's), (101, 9989), (136, 10094), (165, 10163), (200, 10304), (213, 10343), (224, 10376), (247, 10409), (349, 10553), (373, 10637), (377, 10664), (379, 10670), (385, 10691),

(392, 10721), (417, 10766), (427, 10781), (496, 11036), (501, 11054), (510, 11084), (512, 11087),
(516, 11093), (542, 11204), (544, 11210), (551, 11240), (573, 11285), (580, 11294),

Gene: Phontbonne_12 Start: 8522, Stop: 9976, Start Num: 58

Candidate Starts for Phontbonne_12:

(Start: 58 @8522 has 296 MA's), (132, 8672), (136, 8684), (190, 8852), (197, 8882), (209, 8921), (215, 8939), (247, 8999), (344, 9128), (349, 9146), (377, 9257), (379, 9263), (385, 9284), (386, 9290), (411, 9359), (435, 9419), (443, 9464), (483, 9590), (484, 9593), (496, 9644), (502, 9665), (510, 9695), (532, 9785), (544, 9821), (551, 9851), (562, 9881),

Gene: Phoxy_14 Start: 8738, Stop: 10192, Start Num: 58

Candidate Starts for Phoxy_14:

(Start: 58 @8738 has 296 MA's), (Start: 90 @8768 has 2 MA's), (101, 8795), (136, 8900), (179, 9014), (193, 9080), (209, 9137), (247, 9215), (248, 9218), (349, 9359), (377, 9470), (379, 9476), (385, 9497), (443, 9662), (483, 9788), (496, 9842), (497, 9848), (502, 9863), (516, 9899), (535, 9986), (544, 10016), (551, 10046), (573, 10091), (581, 10100),

Gene: Phrank_8 Start: 2954, Stop: 4504, Start Num: 32

Candidate Starts for Phrank_8:

(20, 2822), (22, 2849), (Start: 29 @2939 has 30 MA's), (Start: 32 @2954 has 139 MA's), (51, 2984), (99, 3062), (Start: 129 @3143 has 2 MA's), (136, 3167), (153, 3209), (185, 3311), (189, 3332), (192, 3347), (199, 3374), (238, 3452), (260, 3491), (289, 3548), (330, 3617), (337, 3641), (349, 3677), (352, 3689), (362, 3722), (373, 3755), (375, 3776), (382, 3797), (388, 3827), (423, 3860), (429, 3878), (449, 3968), (450, 3971), (455, 3986), (474, 4022), (475, 4028), (484, 4070), (496, 4121), (501, 4139), (525, 4232), (526, 4235), (533, 4256), (540, 4280), (541, 4283), (543, 4292),

Gene: Phrank15_3 Start: 2347, Stop: 3684, Start Num: 88

Candidate Starts for Phrank15_3:

(67, 2320), (Start: 80 @2335 has 4 MA's), (Start: 88 @2347 has 31 MA's), (106, 2389), (108, 2395), (115, 2419), (130, 2458), (132, 2470), (216, 2728), (247, 2785), (345, 2920), (347, 2929), (355, 2956), (375, 3037), (379, 3049), (380, 3052), (386, 3076), (446, 3244), (449, 3253), (464, 3298), (483, 3361), (486, 3370), (495, 3412), (498, 3424), (512, 3463), (526, 3529), (551, 3610), (556, 3619), (585, 3670),

Gene: Phrankenstien_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for Phrankenstien_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Phranny_15 Start: 8724, Stop: 10178, Start Num: 58

Candidate Starts for Phranny_15:

(Start: 58 @8724 has 296 MA's), (Start: 90 @8754 has 2 MA's), (101, 8781), (136, 8886), (179, 9000), (193, 9066), (209, 9123), (247, 9201), (248, 9204), (349, 9345), (377, 9456), (379, 9462), (385, 9483), (443, 9648), (483, 9774), (496, 9828), (497, 9834), (502, 9849), (516, 9885), (535, 9972), (544, 10002), (551, 10032), (573, 10077), (581, 10086),

Gene: PhrostyMug_12 Start: 8730, Stop: 10172, Start Num: 89

Candidate Starts for PhrostyMug_12:

(Start: 50 @8664 has 1 MA's), (Start: 89 @8730 has 214 MA's), (162, 8928), (224, 9141), (349, 9336), (377, 9447), (446, 9642), (460, 9681), (483, 9759), (485, 9765), (496, 9813), (499, 9825), (502, 9834), (525, 9924), (551, 10014), (562, 10047), (573, 10059),

Gene: Piatt_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for Piatt_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: PickleBack_10 Start: 7757, Stop: 9190, Start Num: 59

Candidate Starts for PickleBack_10:

(Start: 59 @7757 has 322 MA's), (149, 7925), (153, 7940), (155, 7946), (200, 8114), (209, 8141), (247, 8219), (299, 8300), (351, 8372), (352, 8375), (373, 8447), (379, 8480), (385, 8501), (392, 8531), (417, 8576), (483, 8792), (496, 8846), (501, 8864), (516, 8903), (544, 9020), (551, 9050), (560, 9080), (581, 9104),

Gene: PinkPlastic_11 Start: 8499, Stop: 9941, Start Num: 89

Candidate Starts for PinkPlastic_11:

(Start: 50 @8433 has 1 MA's), (Start: 89 @8499 has 214 MA's), (162, 8697), (224, 8910), (349, 9105), (377, 9216), (446, 9411), (460, 9450), (483, 9528), (485, 9534), (496, 9582), (499, 9594), (502, 9603), (525, 9693), (551, 9783), (562, 9816), (573, 9828),

Gene: Pinto_14 Start: 8806, Stop: 10248, Start Num: 89

Candidate Starts for Pinto_14:

(Start: 50 @8740 has 1 MA's), (Start: 89 @8806 has 214 MA's), (162, 9004), (224, 9217), (349, 9412), (350, 9415), (377, 9523), (398, 9595), (446, 9718), (460, 9757), (483, 9835), (485, 9841), (496, 9889), (499, 9901), (502, 9910), (525, 10000), (551, 10090), (562, 10123), (573, 10135),

Gene: Pioneer_14 Start: 9926, Stop: 11413, Start Num: 59

Candidate Starts for Pioneer_14:

(Start: 59 @9926 has 322 MA's), (101, 9989), (136, 10094), (165, 10163), (200, 10304), (213, 10343), (224, 10376), (247, 10409), (349, 10553), (373, 10637), (377, 10664), (379, 10670), (385, 10691), (392, 10721), (417, 10766), (427, 10781), (496, 11036), (501, 11054), (510, 11084), (512, 11087), (516, 11093), (542, 11204), (544, 11210), (551, 11240), (573, 11285), (580, 11294),

Gene: Pipcraft_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Pipcraft_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Piper2020_4 Start: 2202, Stop: 3623, Start Num: 78

Candidate Starts for Piper2020_4:

(Start: 78 @2202 has 61 MA's), (Start: 95 @2229 has 1 MA's), (99, 2241), (148, 2370), (153, 2388), (155, 2394), (165, 2421), (185, 2490), (192, 2526), (197, 2547), (199, 2553), (208, 2577), (211, 2580), (227, 2607), (253, 2655), (257, 2661), (268, 2688), (280, 2706), (332, 2799), (338, 2817), (349, 2850), (351, 2859), (352, 2862), (367, 2910), (370, 2919), (375, 2949), (381, 2967), (388, 3000), (431, 3057), (449, 3141), (455, 3159), (464, 3186), (472, 3198), (474, 3201), (475, 3207), (476, 3222), (486, 3255), (518, 3360), (533, 3435), (534, 3441), (537, 3450), (540, 3459), (543, 3471), (572, 3534), (600, 3582),

Gene: Pippin_14 Start: 9007, Stop: 10449, Start Num: 89

Candidate Starts for Pippin_14:

(Start: 50 @8941 has 1 MA's), (Start: 89 @9007 has 214 MA's), (162, 9205), (224, 9418), (349, 9613), (350, 9616), (377, 9724), (446, 9919), (460, 9958), (483, 10036), (485, 10042), (496, 10090), (499, 10102), (502, 10111), (525, 10201), (551, 10291), (562, 10324), (573, 10336),

Gene: Piro94_14 Start: 9725, Stop: 11185, Start Num: 59

Candidate Starts for Piro94_14:

(Start: 59 @9725 has 322 MA's), (101, 9785), (132, 9878), (136, 9890), (224, 10172), (247, 10205), (350, 10352), (352, 10361), (373, 10433), (377, 10460), (379, 10466), (385, 10487), (464, 10715), (496, 10832), (502, 10853), (510, 10880), (516, 10889), (544, 11006), (551, 11036), (560, 11066), (580, 11090),

Gene: Pisa1_8 Start: 2795, Stop: 4342, Start Num: 32

Candidate Starts for Pisa1_8:

(11, 2384), (17, 2552), (22, 2693), (Start: 29 @2780 has 30 MA's), (Start: 32 @2795 has 139 MA's), (96, 2891), (99, 2900), (Start: 129 @2981 has 2 MA's), (136, 3005), (150, 3038), (153, 3047), (165, 3080), (185, 3149), (199, 3212), (231, 3275), (238, 3290), (278, 3365), (289, 3386), (305, 3416), (352, 3527), (362, 3560), (373, 3593), (375, 3614), (382, 3635), (388, 3665), (423, 3698), (429, 3716), (445, 3794), (449, 3806), (450, 3809), (454, 3821), (455, 3824), (474, 3860), (484, 3908), (496, 3959), (501, 3977), (526, 4073), (533, 4094), (541, 4121), (543, 4130), (553, 4166),

Gene: Pisa4_8 Start: 2795, Stop: 4342, Start Num: 32

Candidate Starts for Pisa4_8:

(11, 2384), (17, 2552), (22, 2693), (Start: 29 @2780 has 30 MA's), (Start: 32 @2795 has 139 MA's), (96, 2891), (99, 2900), (Start: 129 @2981 has 2 MA's), (136, 3005), (150, 3038), (153, 3047), (165, 3080), (185, 3149), (199, 3212), (231, 3275), (238, 3290), (278, 3365), (289, 3386), (305, 3416), (352, 3527), (362, 3560), (373, 3593), (375, 3614), (382, 3635), (388, 3665), (423, 3698), (429, 3716), (445, 3794), (449, 3806), (450, 3809), (454, 3821), (455, 3824), (474, 3860), (484, 3908), (496, 3959), (501, 3977), (526, 4073), (533, 4094), (541, 4121), (543, 4130), (553, 4166),

Gene: Pistachio_13 Start: 7740, Stop: 9206, Start Num: 59

Candidate Starts for Pistachio_13:

(Start: 59 @7740 has 322 MA's), (136, 7911), (169, 7995), (186, 8058), (193, 8091), (197, 8109), (209, 8148), (219, 8175), (245, 8223), (347, 8364), (350, 8373), (373, 8454), (376, 8478), (377, 8481), (379, 8487), (384, 8505), (385, 8508), (386, 8514), (443, 8685), (483, 8811), (484, 8814), (496, 8865), (497, 8871), (502, 8886), (510, 8916), (544, 9042), (551, 9072), (562, 9102),

Gene: Pita2_14 Start: 9164, Stop: 10606, Start Num: 89

Candidate Starts for Pita2_14:

(Start: 50 @9098 has 1 MA's), (Start: 89 @9164 has 214 MA's), (162, 9362), (224, 9575), (349, 9770), (352, 9782), (377, 9881), (398, 9953), (446, 10076), (460, 10115), (483, 10193), (485, 10199), (496, 10247), (499, 10259), (502, 10268), (525, 10358), (551, 10448), (562, 10481), (573, 10493),

Gene: Pixelle_3 Start: 2280, Stop: 3659, Start Num: 76

Candidate Starts for Pixelle_3:

(Start: 76 @2280 has 57 MA's), (112, 2352), (Start: 129 @2400 has 2 MA's), (165, 2499), (279, 2763), (342, 2856), (393, 3036), (453, 3192), (474, 3240), (478, 3270), (486, 3294), (530, 3468), (575, 3588),

Gene: Pixie_8 Start: 2674, Stop: 4239, Start Num: 32

Candidate Starts for Pixie_8:

(24, 2641), (Start: 32 @2674 has 139 MA's), (96, 2779), (99, 2788), (107, 2803), (136, 2893), (150, 2926), (154, 2938), (165, 2968), (185, 3037), (189, 3058), (192, 3073), (199, 3100), (224, 3151), (231, 3160), (238, 3175), (260, 3214), (278, 3250), (284, 3265), (289, 3271), (294, 3280), (301, 3295), (331, 3346), (352, 3412), (362, 3445), (365, 3451), (373, 3478), (375, 3499), (382, 3520), (423, 3583), (429,

3601), (445, 3679), (449, 3691), (450, 3694), (455, 3709), (482, 3790), (484, 3796), (495, 3844), (501, 3865), (533, 3982), (541, 4009), (543, 4018), (553, 4054),

Gene: Plumbus_4 Start: 2200, Stop: 3621, Start Num: 78

Candidate Starts for Plumbus_4:

(Start: 78 @2200 has 61 MA's), (Start: 95 @2227 has 1 MA's), (99, 2239), (148, 2368), (153, 2386), (165, 2419), (185, 2488), (192, 2524), (197, 2545), (199, 2551), (208, 2575), (211, 2578), (253, 2653), (257, 2659), (268, 2686), (301, 2746), (349, 2848), (352, 2860), (355, 2869), (365, 2899), (367, 2908), (375, 2947), (381, 2965), (382, 2968), (388, 2998), (431, 3055), (439, 3094), (449, 3139), (455, 3157), (464, 3184), (472, 3196), (474, 3199), (475, 3205), (476, 3220), (486, 3253), (518, 3358), (533, 3433), (534, 3439), (537, 3448), (540, 3457), (543, 3469), (572, 3532), (600, 3580),

Gene: Pmask_16 Start: 9274, Stop: 10737, Start Num: 59

Candidate Starts for Pmask_16:

(Start: 59 @9274 has 322 MA's), (Start: 72 @9295 has 15 MA's), (101, 9334), (131, 9421), (133, 9433), (136, 9439), (224, 9721), (358, 9934), (373, 9985), (377, 10012), (379, 10018), (385, 10039), (502, 10405), (510, 10432), (516, 10441), (526, 10501), (544, 10558), (551, 10588), (560, 10618), (582, 10645),

Gene: Pocahontas_13 Start: 8735, Stop: 10204, Start Num: 58

Candidate Starts for Pocahontas_13:

(Start: 58 @8735 has 296 MA's), (94, 8774), (136, 8900), (169, 8984), (186, 9047), (193, 9080), (197, 9098), (209, 9137), (219, 9164), (247, 9215), (344, 9341), (347, 9353), (351, 9368), (352, 9371), (373, 9443), (377, 9470), (379, 9476), (385, 9497), (386, 9503), (392, 9527), (411, 9569), (443, 9674), (483, 9800), (484, 9803), (496, 9854), (497, 9860), (502, 9875), (510, 9905), (544, 10031), (551, 10061), (562, 10091),

Gene: Pokerus_8 Start: 2965, Stop: 4536, Start Num: 29

Candidate Starts for Pokerus_8:

(22, 2878), (Start: 29 @2965 has 30 MA's), (Start: 32 @2980 has 139 MA's), (96, 3079), (99, 3088), (125, 3160), (Start: 129 @3169 has 2 MA's), (136, 3193), (150, 3226), (153, 3235), (165, 3268), (185, 3337), (189, 3358), (199, 3400), (231, 3466), (238, 3481), (278, 3556), (289, 3577), (321, 3631), (362, 3751), (373, 3784), (375, 3805), (382, 3826), (388, 3856), (423, 3889), (429, 3907), (440, 3967), (445, 3985), (449, 3997), (450, 4000), (454, 4012), (455, 4015), (474, 4051), (484, 4099), (496, 4150), (501, 4168), (526, 4264), (533, 4285), (541, 4312), (543, 4321), (553, 4357),

Gene: Pollywog_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Pollywog_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Polymorphads_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Polymorphads_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Polyphemus_16 Start: 9276, Stop: 10739, Start Num: 59

Candidate Starts for Polyphemus_16:

(Start: 59 @9276 has 322 MA's), (Start: 72 @9297 has 15 MA's), (101, 9336), (131, 9423), (133, 9435), (136, 9441), (224, 9723), (358, 9936), (373, 9987), (377, 10014), (379, 10020), (385, 10041), (502, 10407), (510, 10434), (516, 10443), (526, 10503), (544, 10560), (551, 10590), (560, 10620), (582, 10647),

Gene: Pomar16_16 Start: 9200, Stop: 10657, Start Num: 59

Candidate Starts for Pomar16_16:

(Start: 59 @9200 has 322 MA's), (101, 9260), (132, 9353), (136, 9365), (224, 9647), (327, 9791), (351, 9833), (373, 9908), (377, 9935), (379, 9941), (385, 9962), (386, 9968), (496, 10307), (502, 10328), (510, 10355), (516, 10364), (535, 10451), (544, 10481), (551, 10511), (560, 10541), (580, 10565),

Gene: Ponzi_44 Start: 24379, Stop: 25821, Start Num: 57

Candidate Starts for Ponzi_44:

(Start: 57 @24379 has 1 MA's), (109, 24475), (153, 24601), (155, 24607), (185, 24706), (224, 24823), (262, 24883), (276, 24907), (343, 24979), (361, 25036), (377, 25102), (431, 25222), (443, 25288), (448, 25303), (489, 25435), (495, 25465), (516, 25519), (532, 25600), (551, 25666), (571, 25711),

Gene: Poochiewood_5 Start: 2625, Stop: 4298, Start Num: 61

Candidate Starts for Poochiewood_5:

(Start: 61 @2625 has 69 MA's), (101, 2688), (116, 2742), (127, 2766), (154, 2835), (162, 2859), (185, 2937), (192, 2973), (241, 3066), (244, 3069), (291, 3144), (322, 3183), (349, 3246), (356, 3273), (357, 3276), (365, 3297), (371, 3318), (380, 3360), (381, 3363), (424, 3465), (428, 3480), (430, 3486), (450, 3567), (460, 3594), (461, 3600), (490, 3693), (495, 3720), (497, 3729), (518, 3783), (521, 3804), (524, 3825), (530, 3852), (533, 3861), (549, 3921), (557, 3951), (564, 3960), (626, 4068), (653, 4263),

Gene: Poompha_11 Start: 6469, Stop: 7929, Start Num: 58

Candidate Starts for Poompha_11:

(Start: 58 @6469 has 296 MA's), (Start: 90 @6496 has 2 MA's), (114, 6562), (132, 6616), (136, 6628), (142, 6637), (165, 6697), (186, 6775), (193, 6808), (197, 6826), (208, 6865), (210, 6868), (247, 6946), (347, 7084), (352, 7102), (377, 7201), (379, 7207), (385, 7228), (386, 7234), (392, 7258), (411, 7309), (443, 7414), (483, 7540), (484, 7543), (496, 7594), (497, 7600), (502, 7615), (510, 7645), (516, 7654), (532, 7735), (544, 7771), (551, 7801), (577, 7852), (580, 7855),

Gene: Popcicle_13 Start: 8735, Stop: 10204, Start Num: 58

Candidate Starts for Popcicle_13:

(Start: 58 @8735 has 296 MA's), (94, 8774), (136, 8900), (169, 8984), (186, 9047), (193, 9080), (197, 9098), (209, 9137), (219, 9164), (247, 9215), (344, 9341), (347, 9353), (351, 9368), (352, 9371), (373, 9443), (377, 9470), (379, 9476), (385, 9497), (386, 9503), (392, 9527), (411, 9569), (443, 9674), (483, 9800), (484, 9803), (496, 9854), (497, 9860), (502, 9875), (510, 9905), (544, 10031), (551, 10061), (562, 10091),

Gene: PotatoSplit_15 Start: 8654, Stop: 10108, Start Num: 58

Candidate Starts for PotatoSplit_15:

(Start: 58 @8654 has 296 MA's), (Start: 90 @8684 has 2 MA's), (101, 8711), (136, 8816), (179, 8930), (193, 8996), (209, 9053), (247, 9131), (248, 9134), (349, 9275), (377, 9386), (379, 9392), (385, 9413), (443, 9578), (483, 9704), (496, 9758), (497, 9764), (502, 9779), (516, 9815), (535, 9902), (544, 9932), (551, 9962), (573, 10007), (581, 10016),

Gene: Poushou_4 Start: 2870, Stop: 4285, Start Num: 71

Candidate Starts for Poushou_4:

(Start: 71 @2870 has 5 MA's), (113, 2960), (154, 3089), (162, 3113), (185, 3185), (192, 3221), (304, 3458), (337, 3512), (366, 3608), (379, 3662), (389, 3704), (422, 3746), (478, 3944), (530, 4142),

Gene: Power_13 Start: 9170, Stop: 10633, Start Num: 59

Candidate Starts for Power_13:

(Start: 59 @9170 has 322 MA's), (101, 9230), (136, 9335), (197, 9533), (224, 9617), (247, 9650), (327, 9761), (373, 9878), (377, 9905), (379, 9911), (385, 9932), (386, 9938), (400, 9983), (446, 10106), (496, 10277), (501, 10295), (502, 10298), (510, 10325), (516, 10334), (544, 10451), (551, 10481), (560, 10511),

Gene: PowerRanger_12 Start: 8991, Stop: 10433, Start Num: 89

Candidate Starts for PowerRanger_12:

(Start: 50 @8925 has 1 MA's), (Start: 89 @8991 has 214 MA's), (162, 9189), (224, 9402), (349, 9597), (352, 9609), (377, 9708), (398, 9780), (446, 9903), (460, 9942), (483, 10020), (485, 10026), (496, 10074), (499, 10086), (502, 10095), (525, 10185), (551, 10275), (562, 10308), (573, 10320),

Gene: Powerpuff_3 Start: 2320, Stop: 3696, Start Num: 76

Candidate Starts for Powerpuff_3:

(Start: 76 @2320 has 57 MA's), (Start: 129 @2440 has 2 MA's), (165, 2539), (175, 2578), (279, 2803), (342, 2896), (393, 3076), (456, 3244), (474, 3283), (478, 3313), (486, 3337), (530, 3511), (533, 3520), (575, 3631),

Gene: Priamo_16 Start: 9302, Stop: 10765, Start Num: 59

Candidate Starts for Priamo_16:

(Start: 59 @9302 has 322 MA's), (Start: 72 @9323 has 15 MA's), (101, 9362), (131, 9449), (133, 9461), (136, 9467), (224, 9749), (358, 9962), (373, 10013), (377, 10040), (378, 10043), (379, 10046), (385, 10067), (502, 10433), (510, 10460), (516, 10469), (526, 10529), (544, 10586), (551, 10616), (560, 10646), (582, 10673),

Gene: Prinashe11_11 Start: 7907, Stop: 9340, Start Num: 59

Candidate Starts for Prinashe11_11:

(Start: 59 @7907 has 322 MA's), (142, 8063), (149, 8075), (153, 8090), (155, 8096), (200, 8264), (209, 8291), (247, 8369), (299, 8450), (351, 8522), (352, 8525), (373, 8597), (379, 8630), (385, 8651), (388, 8669), (392, 8681), (417, 8726), (483, 8942), (496, 8996), (501, 9014), (516, 9053), (544, 9170), (551, 9200), (560, 9230), (581, 9254),

Gene: Prithvi_9 Start: 2995, Stop: 4548, Start Num: 32

Candidate Starts for Prithvi_9:

(22, 2893), (Start: 29 @2980 has 30 MA's), (Start: 32 @2995 has 139 MA's), (96, 3094), (99, 3103), (125, 3175), (Start: 129 @3184 has 2 MA's), (136, 3208), (150, 3241), (165, 3283), (185, 3352), (189, 3373), (198, 3412), (238, 3496), (278, 3571), (289, 3592), (321, 3646), (362, 3766), (373, 3799), (375, 3820), (382, 3841), (388, 3871), (423, 3904), (429, 3922), (445, 4000), (449, 4012), (450, 4015), (454, 4027), (455, 4030), (474, 4066), (484, 4114), (501, 4183), (526, 4279), (533, 4300), (541, 4327), (543, 4336), (553, 4372), (586, 4426),

Gene: Priya_14 Start: 9924, Stop: 11411, Start Num: 59

Candidate Starts for Priya_14:

(Start: 59 @9924 has 322 MA's), (101, 9987), (136, 10092), (165, 10161), (200, 10302), (224, 10374), (258, 10428), (349, 10551), (359, 10587), (362, 10596), (373, 10635), (377, 10662), (379, 10668), (385, 10689), (400, 10740), (427, 10779), (496, 11034), (501, 11052), (510, 11082), (512, 11085), (516, 11091), (542, 11202), (544, 11208), (551, 11238), (573, 11283), (580, 11292),

Gene: ProMouse_11 Start: 9127, Stop: 10569, Start Num: 89

Candidate Starts for ProMouse_11:

(Start: 50 @9061 has 1 MA's), (Start: 89 @9127 has 214 MA's), (162, 9325), (224, 9538), (233, 9550), (349, 9733), (352, 9745), (377, 9844), (446, 10039), (460, 10078), (483, 10156), (485, 10162), (496, 10210), (499, 10222), (502, 10231), (525, 10321), (551, 10411), (562, 10444), (573, 10456),

Gene: Provolone_8 Start: 3905, Stop: 5338, Start Num: 83

Candidate Starts for Provolone_8:

(Start: 83 @3905 has 105 MA's), (Start: 129 @4022 has 2 MA's), (148, 4070), (151, 4082), (237, 4325), (288, 4412), (323, 4472), (334, 4490), (337, 4496), (370, 4595), (387, 4670), (392, 4688), (409, 4727), (426, 4763), (448, 4865), (496, 5027), (501, 5045), (520, 5102), (541, 5192), (551, 5234), (590, 5300), (611, 5324),

Gene: Prudy_15 Start: 11081, Stop: 12484, Start Num: 101

Candidate Starts for Prudy_15:

(Start: 59 @11021 has 322 MA's), (101, 11081), (136, 11186), (219, 11450), (224, 11468), (247, 11501), (350, 11648), (373, 11729), (377, 11756), (379, 11762), (385, 11783), (400, 11834), (417, 11858), (496, 12128), (501, 12146), (502, 12149), (505, 12164), (510, 12176), (516, 12185), (544, 12302), (551, 12332), (560, 12362), (580, 12386),

Gene: Psycho_7 Start: 2788, Stop: 4326, Start Num: 32

Candidate Starts for Psycho_7:

(Start: 32 @2788 has 139 MA's), (96, 2890), (99, 2899), (116, 2953), (150, 3037), (154, 3049), (165, 3079), (170, 3097), (185, 3148), (192, 3184), (198, 3208), (199, 3211), (227, 3265), (238, 3286), (278, 3361), (289, 3382), (305, 3412), (331, 3457), (349, 3511), (362, 3556), (373, 3589), (380, 3625), (382, 3631), (423, 3694), (429, 3712), (445, 3790), (449, 3802), (450, 3805), (455, 3820), (475, 3865), (476, 3880), (482, 3901), (484, 3907), (495, 3955), (496, 3958), (501, 3976), (505, 3991), (523, 4057), (526, 4072), (533, 4093), (543, 4129), (553, 4165), (607, 4252),

Gene: Pucara_3 Start: 2388, Stop: 3749, Start Num: 74

Candidate Starts for Pucara_3:

(Start: 74 @2388 has 11 MA's), (126, 2505), (145, 2556), (151, 2574), (163, 2610), (179, 2658), (197, 2742), (216, 2784), (259, 2865), (275, 2895), (327, 2970), (351, 3036), (352, 3039), (367, 3087), (376, 3129), (381, 3144), (450, 3336), (471, 3390), (501, 3510), (526, 3594), (527, 3600), (564, 3714), (589, 3741),

Gene: Puginator_9 Start: 4426, Stop: 5895, Start Num: 83

Candidate Starts for Puginator_9:

(Start: 83 @4426 has 105 MA's), (Start: 129 @4543 has 2 MA's), (151, 4603), (165, 4642), (185, 4735), (189, 4756), (199, 4792), (298, 4948), (312, 4975), (337, 5014), (355, 5065), (370, 5113), (387, 5188), (392, 5206), (399, 5224), (402, 5233), (418, 5314), (436, 5371), (446, 5422), (448, 5428), (501, 5608), (520, 5665), (541, 5755), (543, 5764), (611, 5881),

Gene: Pukovnik_15 Start: 10888, Stop: 12342, Start Num: 59

Candidate Starts for Pukovnik_15:

(Start: 59 @10888 has 322 MA's), (101, 10948), (136, 11053), (179, 11167), (200, 11263), (219, 11317), (224, 11335), (247, 11368), (352, 11524), (373, 11596), (377, 11623), (379, 11629), (385, 11650), (496, 11995), (510, 12043), (516, 12052), (526, 12112), (535, 12139), (544, 12169), (551, 12199), (560, 12229), (580, 12253),

Gene: Pumbaa_12 Start: 8553, Stop: 10004, Start Num: 58

Candidate Starts for Pumbaa_12:

(Start: 58 @8553 has 296 MA's), (132, 8700), (136, 8712), (190, 8880), (197, 8910), (209, 8949), (215, 8967), (247, 9027), (344, 9156), (349, 9174), (377, 9285), (379, 9291), (385, 9312), (386, 9318), (411, 9387), (435, 9447), (443, 9492), (483, 9618), (484, 9621), (496, 9672), (497, 9678), (502, 9693), (510,

9723), (532, 9813), (544, 9849), (551, 9879), (562, 9909),

Gene: Pumpkins_3 Start: 2263, Stop: 3798, Start Num: 73

Candidate Starts for Pumpkins_3:

(Start: 73 @2263 has 17 MA's), (Start: 129 @2383 has 2 MA's), (165, 2482), (279, 2746), (296, 2761), (456, 3184), (474, 3223), (478, 3253), (486, 3277), (530, 3451), (543, 3496), (569, 3562), (612, 3640), (623, 3661),

Gene: Puppet_12 Start: 8747, Stop: 10189, Start Num: 89

Candidate Starts for Puppet_12:

(Start: 50 @8681 has 1 MA's), (Start: 89 @8747 has 214 MA's), (162, 8945), (224, 9158), (349, 9353), (352, 9365), (377, 9464), (446, 9659), (460, 9698), (483, 9776), (485, 9782), (496, 9830), (499, 9842), (502, 9851), (525, 9941), (551, 10031), (562, 10064), (573, 10076),

Gene: Puppy_13 Start: 7812, Stop: 9278, Start Num: 59

Candidate Starts for Puppy_13:

(Start: 59 @7812 has 322 MA's), (136, 7983), (169, 8067), (186, 8130), (193, 8163), (197, 8181), (209, 8220), (219, 8247), (245, 8295), (347, 8436), (350, 8445), (373, 8526), (376, 8550), (377, 8553), (379, 8559), (384, 8577), (385, 8580), (386, 8586), (443, 8757), (483, 8883), (484, 8886), (496, 8937), (497, 8943), (502, 8958), (510, 8988), (544, 9114), (551, 9144), (562, 9174),

Gene: PurpleHaze_14 Start: 8725, Stop: 10179, Start Num: 58

Candidate Starts for PurpleHaze_14:

(Start: 58 @8725 has 296 MA's), (Start: 90 @8755 has 2 MA's), (101, 8782), (136, 8887), (179, 9001), (193, 9067), (209, 9124), (247, 9202), (248, 9205), (349, 9346), (377, 9457), (379, 9463), (385, 9484), (443, 9649), (483, 9775), (496, 9829), (497, 9835), (502, 9850), (516, 9886), (535, 9973), (544, 10003), (551, 10033), (573, 10078), (581, 10087),

Gene: QTRLifeCrisis_12 Start: 9132, Stop: 10574, Start Num: 89

Candidate Starts for QTRLifeCrisis_12:

(Start: 50 @9066 has 1 MA's), (Start: 89 @9132 has 214 MA's), (162, 9330), (224, 9543), (349, 9738), (352, 9750), (377, 9849), (446, 10044), (460, 10083), (483, 10161), (485, 10167), (496, 10215), (499, 10227), (502, 10236), (525, 10326), (551, 10416), (562, 10449), (573, 10461),

Gene: Qhanda_10 Start: 3932, Stop: 5518, Start Num: 30

Candidate Starts for Qhanda_10:

(Start: 29 @3917 has 30 MA's), (Start: 30 @3932 has 28 MA's), (Start: 39 @3956 has 1 MA's), (Start: 81 @4022 has 1 MA's), (105, 4067), (Start: 129 @4139 has 2 MA's), (150, 4196), (153, 4205), (154, 4208), (165, 4238), (185, 4307), (189, 4328), (197, 4364), (199, 4370), (208, 4394), (231, 4430), (238, 4445), (260, 4484), (333, 4619), (337, 4628), (345, 4646), (351, 4673), (352, 4676), (362, 4709), (373, 4742), (375, 4763), (382, 4784), (423, 4847), (431, 4871), (436, 4895), (445, 4943), (449, 4955), (453, 4967), (455, 4973), (472, 5012), (499, 5126), (501, 5132), (533, 5303), (541, 5330), (543, 5339), (567, 5402), (576, 5414),

Gene: Qobbit_14 Start: 9923, Stop: 11410, Start Num: 59

Candidate Starts for Qobbit_14:

(Start: 59 @9923 has 322 MA's), (101, 9986), (136, 10091), (165, 10160), (200, 10301), (213, 10340), (224, 10373), (247, 10406), (349, 10550), (373, 10634), (377, 10661), (379, 10667), (385, 10688), (392, 10718), (427, 10778), (496, 11033), (501, 11051), (510, 11081), (512, 11084), (516, 11090), (542, 11201), (544, 11207), (551, 11237), (573, 11282), (580, 11291),

Gene: Quby_5 Start: 2334, Stop: 3971, Start Num: 62

Candidate Starts for Quby_5:

(Start: 62 @2334 has 9 MA's), (107, 2409), (153, 2538), (154, 2541), (165, 2571), (185, 2643), (192, 2679), (202, 2718), (291, 2850), (322, 2889), (339, 2922), (347, 2946), (349, 2952), (355, 2973), (356, 2979), (357, 2982), (365, 3003), (380, 3066), (381, 3069), (424, 3171), (430, 3192), (461, 3306), (490, 3399), (495, 3426), (518, 3489), (524, 3531), (530, 3558), (533, 3567), (549, 3627), (557, 3657), (564, 3666), (570, 3672), (621, 3762), (626, 3774), (648, 3852),

Gene: QueenB2_13 Start: 9238, Stop: 10701, Start Num: 59

Candidate Starts for QueenB2_13:

(Start: 59 @9238 has 322 MA's), (101, 9298), (136, 9403), (197, 9601), (224, 9685), (247, 9718), (327, 9829), (350, 9865), (373, 9946), (377, 9973), (379, 9979), (385, 10000), (386, 10006), (400, 10051), (446, 10174), (496, 10345), (501, 10363), (502, 10366), (510, 10393), (516, 10402), (544, 10519), (551, 10549), (560, 10579), (580, 10603),

Gene: QueenBeesly_13 Start: 9170, Stop: 10633, Start Num: 59

Candidate Starts for QueenBeesly_13:

(Start: 59 @9170 has 322 MA's), (101, 9230), (136, 9335), (197, 9533), (224, 9617), (247, 9650), (327, 9761), (373, 9878), (377, 9905), (379, 9911), (385, 9932), (386, 9938), (400, 9983), (446, 10106), (496, 10277), (501, 10295), (502, 10298), (510, 10325), (516, 10334), (544, 10451), (551, 10481), (560, 10511),

Gene: Quico_4 Start: 2197, Stop: 3618, Start Num: 78

Candidate Starts for Quico_4:

(Start: 78 @2197 has 61 MA's), (Start: 95 @2224 has 1 MA's), (99, 2236), (148, 2365), (154, 2386), (165, 2416), (185, 2485), (189, 2506), (197, 2542), (199, 2548), (208, 2572), (211, 2575), (253, 2650), (257, 2656), (280, 2701), (301, 2743), (349, 2845), (351, 2854), (352, 2857), (355, 2866), (365, 2896), (367, 2905), (375, 2944), (381, 2962), (382, 2965), (388, 2995), (431, 3052), (439, 3091), (449, 3136), (455, 3154), (464, 3181), (472, 3193), (474, 3196), (475, 3202), (486, 3250), (519, 3358), (533, 3430), (537, 3445), (540, 3454), (541, 3457), (561, 3517), (572, 3529), (587, 3553), (600, 3577),

Gene: QuincyRose_8 Start: 3031, Stop: 4599, Start Num: 29

Candidate Starts for QuincyRose_8:

(22, 2944), (Start: 29 @3031 has 30 MA's), (Start: 32 @3046 has 139 MA's), (96, 3145), (99, 3154), (125, 3226), (Start: 129 @3235 has 2 MA's), (136, 3259), (150, 3292), (153, 3301), (165, 3334), (185, 3403), (189, 3424), (199, 3466), (231, 3532), (238, 3547), (278, 3622), (289, 3643), (321, 3697), (362, 3817), (373, 3850), (375, 3871), (382, 3892), (388, 3922), (423, 3955), (429, 3973), (440, 4033), (445, 4051), (449, 4063), (450, 4066), (454, 4078), (455, 4081), (474, 4117), (484, 4165), (496, 4216), (501, 4234), (526, 4330), (533, 4351), (541, 4378), (543, 4387), (553, 4423),

Gene: QuinnKiro_12 Start: 8738, Stop: 10207, Start Num: 58

Candidate Starts for QuinnKiro_12:

(Start: 58 @8738 has 296 MA's), (94, 8777), (136, 8903), (169, 8987), (186, 9050), (193, 9083), (197, 9101), (209, 9140), (219, 9167), (247, 9218), (344, 9344), (347, 9356), (351, 9371), (352, 9374), (373, 9446), (377, 9473), (379, 9479), (385, 9500), (386, 9506), (392, 9530), (411, 9572), (443, 9677), (483, 9803), (484, 9806), (496, 9857), (497, 9863), (502, 9878), (510, 9908), (544, 10034), (551, 10064), (562, 10094),

Gene: Quokka_11 Start: 8157, Stop: 9614, Start Num: 59

Candidate Starts for Quokka_11:

(Start: 59 @8157 has 322 MA's), (Start: 72 @8178 has 15 MA's), (101, 8217), (136, 8322), (224, 8604), (247, 8637), (283, 8709), (352, 8793), (373, 8865), (377, 8892), (379, 8898), (385, 8919), (460, 9132), (491, 9237), (496, 9264), (502, 9285), (510, 9312), (516, 9321), (544, 9438), (551, 9468), (560, 9498), (580, 9522),

Gene: R4_7 Start: 3896, Stop: 5368, Start Num: 83

Candidate Starts for R4_7:

(Start: 83 @3896 has 105 MA's), (Start: 129 @4013 has 2 MA's), (148, 4061), (151, 4073), (154, 4082), (165, 4112), (185, 4205), (265, 4370), (269, 4376), (370, 4583), (387, 4658), (392, 4676), (397, 4688), (399, 4694), (401, 4700), (436, 4841), (446, 4892), (448, 4898), (485, 5012), (501, 5078), (520, 5135), (530, 5189), (551, 5267), (611, 5354),

Gene: RER2_2 Start: 1707, Stop: 3152, Start Num: 58

Candidate Starts for RER2_2:

(Start: 58 @1707 has 296 MA's), (149, 1884), (155, 1905), (165, 1932), (169, 1947), (186, 2010), (213, 2109), (219, 2124), (299, 2253), (349, 2316), (351, 2325), (374, 2412), (375, 2421), (377, 2427), (389, 2475), (417, 2529), (427, 2544), (431, 2553), (443, 2619), (446, 2628), (449, 2637), (491, 2772), (501, 2817), (502, 2820), (526, 2913), (544, 2970), (551, 3000), (560, 3027), (573, 3039), (577, 3045),

Gene: RGL3_2 Start: 1707, Stop: 3143, Start Num: 58

Candidate Starts for RGL3_2:

(25, 1626), (Start: 58 @1707 has 296 MA's), (132, 1851), (149, 1884), (155, 1905), (169, 1947), (186, 2010), (213, 2109), (299, 2253), (349, 2316), (363, 2364), (374, 2412), (377, 2427), (389, 2475), (417, 2529), (427, 2544), (431, 2553), (443, 2619), (446, 2628), (491, 2772), (501, 2817), (502, 2820), (526, 2913), (544, 2970), (551, 3000), (560, 3027), (571, 3036), (577, 3045), (596, 3075), (612, 3105),

Gene: Rabbitrun_15 Start: 6778, Stop: 8271, Start Num: 40

Candidate Starts for Rabbitrun_15:

(Start: 40 @6778 has 7 MA's), (69, 6832), (101, 6892), (Start: 129 @6973 has 2 MA's), (139, 7003), (146, 7012), (151, 7030), (154, 7039), (162, 7063), (165, 7069), (174, 7105), (185, 7141), (205, 7225), (234, 7258), (241, 7273), (255, 7300), (263, 7315), (322, 7393), (337, 7420), (345, 7432), (349, 7450), (350, 7453), (352, 7462), (357, 7480), (372, 7525), (392, 7612), (406, 7645), (418, 7654), (428, 7675), (456, 7780), (464, 7804), (486, 7873), (490, 7888), (495, 7915), (497, 7924), (501, 7936), (518, 7978), (520, 7993), (527, 8038), (531, 8050), (537, 8071), (540, 8080), (614, 8233),

Gene: Rachaly_16 Start: 10917, Stop: 12374, Start Num: 59

Candidate Starts for Rachaly_16:

(Start: 59 @10917 has 322 MA's), (101, 10977), (109, 11001), (132, 11070), (136, 11082), (200, 11292), (209, 11319), (224, 11364), (279, 11457), (352, 11553), (373, 11625), (377, 11652), (379, 11658), (385, 11679), (400, 11730), (496, 12024), (501, 12042), (505, 12060), (510, 12072), (516, 12081), (532, 12162), (535, 12168), (544, 12198), (546, 12210), (551, 12228), (560, 12258),

Gene: RadFad_4 Start: 2262, Stop: 3605, Start Num: 80

Candidate Starts for RadFad_4:

(Start: 80 @2262 has 4 MA's), (Start: 88 @2274 has 31 MA's), (94, 2283), (130, 2385), (132, 2397), (182, 2538), (190, 2583), (194, 2598), (199, 2619), (219, 2655), (224, 2673), (271, 2754), (300, 2799), (355, 2877), (375, 2958), (379, 2970), (380, 2973), (386, 2997), (399, 3039), (441, 3150), (446, 3165), (457, 3195), (486, 3291), (551, 3531), (552, 3534), (556, 3540), (585, 3591),

Gene: Rahalelujah_12 Start: 7969, Stop: 9453, Start Num: 59

Candidate Starts for Rahalelujah_12:

(Start: 59 @7969 has 322 MA's), (101, 8029), (131, 8116), (136, 8134), (200, 8344), (224, 8416), (259, 8473), (327, 8560), (349, 8593), (359, 8629), (362, 8638), (373, 8677), (377, 8704), (379, 8710), (385, 8731), (386, 8737), (400, 8782), (427, 8821), (496, 9079), (501, 9097), (510, 9127), (516, 9136), (542, 9247), (544, 9253), (551, 9283), (573, 9328), (580, 9337),

Gene: Raid_12 Start: 8423, Stop: 9865, Start Num: 89

Candidate Starts for Raid_12:

(Start: 50 @8357 has 1 MA's), (Start: 89 @8423 has 214 MA's), (162, 8621), (224, 8834), (233, 8846), (349, 9029), (352, 9041), (370, 9104), (377, 9140), (446, 9335), (460, 9374), (483, 9452), (485, 9458), (495, 9503), (496, 9506), (499, 9518), (502, 9527), (516, 9560), (525, 9617), (551, 9707), (562, 9740), (573, 9752),

Gene: Rajelicia_12 Start: 8639, Stop: 10081, Start Num: 89

Candidate Starts for Rajelicia_12:

(Start: 50 @8573 has 1 MA's), (Start: 89 @8639 has 214 MA's), (162, 8837), (224, 9050), (349, 9245), (350, 9248), (352, 9257), (377, 9356), (398, 9428), (446, 9551), (460, 9590), (483, 9668), (485, 9674), (496, 9722), (499, 9734), (502, 9743), (516, 9776), (525, 9833), (551, 9923), (562, 9956), (573, 9968),

Gene: Ramen_9 Start: 3020, Stop: 4579, Start Num: 32

Candidate Starts for Ramen_9:

(22, 2918), (Start: 29 @3005 has 30 MA's), (Start: 32 @3020 has 139 MA's), (96, 3122), (99, 3131), (125, 3203), (Start: 129 @3212 has 2 MA's), (136, 3236), (150, 3269), (153, 3278), (165, 3311), (170, 3329), (185, 3380), (189, 3401), (199, 3443), (231, 3509), (238, 3524), (278, 3599), (289, 3620), (321, 3674), (362, 3794), (373, 3827), (375, 3848), (382, 3869), (388, 3899), (423, 3932), (429, 3950), (445, 4028), (449, 4040), (450, 4043), (454, 4055), (455, 4058), (474, 4094), (484, 4142), (496, 4193), (501, 4211), (526, 4307), (533, 4328), (541, 4355), (543, 4364), (553, 4400),

Gene: Ramsey_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Ramsey_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Rana_7 Start: 4053, Stop: 5489, Start Num: 83

Candidate Starts for Rana_7:

(Start: 72 @4047 has 15 MA's), (Start: 83 @4053 has 105 MA's), (96, 4077), (106, 4101), (Start: 129 @4170 has 2 MA's), (148, 4218), (151, 4230), (165, 4269), (200, 4422), (225, 4452), (269, 4536), (298, 4578), (337, 4644), (366, 4734), (370, 4746), (387, 4821), (392, 4839), (426, 4917), (436, 4962), (448, 5019), (513, 5232), (520, 5256), (551, 5388), (611, 5475),

Gene: Rando14_7 Start: 2855, Stop: 4411, Start Num: 32

Candidate Starts for Rando14_7:

(Start: 32 @2855 has 139 MA's), (Start: 81 @2930 has 1 MA's), (Start: 95 @2954 has 1 MA's), (99, 2966), (105, 2975), (116, 3020), (Start: 129 @3047 has 2 MA's), (154, 3116), (185, 3215), (189, 3236), (192, 3251), (199, 3278), (238, 3353), (240, 3356), (278, 3428), (289, 3449), (297, 3464), (331, 3524), (351, 3587), (352, 3590), (362, 3623), (373, 3656), (375, 3677), (380, 3692), (381, 3695), (382, 3698), (423, 3761), (429, 3779), (436, 3809), (445, 3857), (449, 3869), (450, 3872), (455, 3887), (475, 3932), (482, 3968), (484, 3974), (495, 4022), (496, 4025), (497, 4031), (501, 4043), (523, 4124), (526, 4139), (533, 4160), (538, 4178), (543, 4196), (553, 4232), (607, 4319), (613, 4331), (620, 4343),

Gene: Raphaella_4 Start: 2275, Stop: 3612, Start Num: 88

Candidate Starts for Raphaella_4:

(27, 2152), (28, 2155), (41, 2197), (47, 2209), (Start: 80 @2263 has 4 MA's), (Start: 88 @2275 has 31 MA's), (108, 2323), (130, 2386), (132, 2398), (216, 2656), (247, 2713), (271, 2761), (345, 2848), (347, 2857), (355, 2884), (375, 2965), (379, 2977), (380, 2980), (386, 3004), (446, 3172), (464, 3226), (483, 3289), (486, 3298), (498, 3352), (512, 3391), (526, 3457), (551, 3538), (556, 3547), (585, 3598),

Gene: Rapunzel97_9 Start: 3020, Stop: 4579, Start Num: 32

Candidate Starts for Rapunzel97_9:

(22, 2918), (Start: 29 @3005 has 30 MA's), (Start: 32 @3020 has 139 MA's), (96, 3122), (99, 3131), (125, 3203), (Start: 129 @3212 has 2 MA's), (136, 3236), (150, 3269), (153, 3278), (165, 3311), (170, 3329), (185, 3380), (189, 3401), (199, 3443), (231, 3509), (238, 3524), (278, 3599), (289, 3620), (321, 3674), (362, 3794), (373, 3827), (375, 3848), (382, 3869), (388, 3899), (423, 3932), (429, 3950), (445, 4028), (449, 4040), (450, 4043), (454, 4055), (455, 4058), (474, 4094), (484, 4142), (496, 4193), (501, 4211), (526, 4307), (533, 4328), (541, 4355), (543, 4364), (553, 4400),

Gene: Rasputin_9 Start: 4835, Stop: 6265, Start Num: 58

Candidate Starts for Rasputin_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (219, 5252), (299, 5381), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Ravana_16 Start: 8348, Stop: 9808, Start Num: 59

Candidate Starts for Ravana_16:

(Start: 59 @8348 has 322 MA's), (101, 8408), (136, 8513), (163, 8579), (213, 8762), (224, 8795), (247, 8828), (373, 9059), (377, 9086), (379, 9092), (385, 9113), (389, 9134), (400, 9164), (417, 9188), (453, 9308), (483, 9404), (491, 9431), (496, 9458), (501, 9476), (502, 9479), (510, 9512), (516, 9521), (544, 9638), (551, 9668), (580, 9722),

Gene: ReMo_15 Start: 8380, Stop: 9840, Start Num: 59

Candidate Starts for ReMo_15:

(Start: 59 @8380 has 322 MA's), (101, 8440), (136, 8545), (163, 8611), (213, 8794), (224, 8827), (247, 8860), (373, 9091), (377, 9118), (379, 9124), (385, 9145), (389, 9166), (400, 9196), (417, 9220), (443, 9310), (453, 9340), (483, 9436), (491, 9463), (496, 9490), (501, 9508), (502, 9511), (510, 9544), (516, 9553), (544, 9670), (551, 9700), (580, 9754),

Gene: Reba_15 Start: 8397, Stop: 9851, Start Num: 58

Candidate Starts for Reba_15:

(Start: 58 @8397 has 296 MA's), (Start: 90 @8427 has 2 MA's), (101, 8454), (136, 8559), (179, 8673), (193, 8739), (209, 8796), (247, 8874), (248, 8877), (349, 9018), (377, 9129), (379, 9135), (385, 9156), (443, 9321), (483, 9447), (496, 9501), (497, 9507), (502, 9522), (516, 9558), (535, 9645), (544, 9675), (551, 9705), (573, 9750), (581, 9759),

Gene: Rebeuca_13 Start: 8554, Stop: 9999, Start Num: 58

Candidate Starts for Rebeuca_13:

(Start: 58 @8554 has 296 MA's), (136, 8713), (186, 8860), (188, 8872), (193, 8893), (197, 8911), (199, 8917), (208, 8950), (247, 9031), (252, 9043), (347, 9169), (352, 9187), (373, 9259), (377, 9286), (379, 9292), (384, 9310), (385, 9313), (443, 9493), (483, 9619), (484, 9622), (496, 9673), (497, 9679), (502, 9694), (510, 9724), (516, 9733), (532, 9814), (544, 9850), (551, 9880), (577, 9931), (580, 9934),

Gene: Red305_6 Start: 2756, Stop: 4399, Start Num: 61

Candidate Starts for Red305_6:

(Start: 61 @2756 has 69 MA's), (99, 2816), (154, 2966), (165, 2996), (185, 3068), (200, 3134), (234, 3182), (291, 3275), (322, 3314), (356, 3404), (359, 3413), (365, 3428), (430, 3617), (439, 3650), (447, 3689), (461, 3731), (518, 3914), (524, 3956), (530, 3983), (533, 3992), (549, 4052), (557, 4082), (564, 4091), (611, 4166), (626, 4199),

Gene: RedBear_9 Start: 4327, Stop: 5763, Start Num: 83

Candidate Starts for RedBear_9:

(70, 4318), (Start: 72 @4321 has 15 MA's), (Start: 83 @4327 has 105 MA's), (96, 4351), (106, 4375), (Start: 129 @4444 has 2 MA's), (148, 4492), (155, 4516), (165, 4543), (200, 4696), (269, 4810), (298, 4852), (304, 4864), (312, 4879), (337, 4918), (366, 5008), (370, 5020), (392, 5113), (426, 5191), (436, 5236), (448, 5293), (520, 5530), (611, 5749),

Gene: RedRock_16 Start: 11153, Stop: 12613, Start Num: 59

Candidate Starts for RedRock_16:

(Start: 59 @11153 has 322 MA's), (Start: 84 @11183 has 3 MA's), (101, 11213), (132, 11306), (136, 11318), (224, 11600), (349, 11777), (373, 11861), (377, 11888), (379, 11894), (385, 11915), (417, 11990), (496, 12260), (502, 12281), (505, 12296), (510, 12308), (516, 12317), (544, 12434), (551, 12464), (560, 12494), (580, 12518),

Gene: Reedo_3 Start: 2275, Stop: 3648, Start Num: 72

Candidate Starts for Reedo_3:

(Start: 72 @2275 has 15 MA's), (Start: 129 @2395 has 2 MA's), (165, 2494), (228, 2665), (300, 2782), (393, 3031), (474, 3235), (478, 3265), (486, 3289), (530, 3463), (575, 3583),

Gene: Refuge_16 Start: 11531, Stop: 13000, Start Num: 59

Candidate Starts for Refuge_16:

(Start: 59 @11531 has 322 MA's), (101, 11591), (131, 11678), (136, 11696), (179, 11810), (200, 11906), (224, 11978), (247, 12011), (348, 12152), (373, 12239), (377, 12266), (379, 12272), (385, 12293), (386, 12299), (400, 12344), (496, 12638), (501, 12656), (505, 12674), (510, 12686), (516, 12695), (526, 12755), (544, 12812), (551, 12842), (555, 12851), (560, 12872), (580, 12896), (628, 12974),

Gene: Reindeer_13 Start: 6131, Stop: 7753, Start Num: 35

Candidate Starts for Reindeer_13:

(Start: 35 @6131 has 23 MA's), (43, 6146), (105, 6254), (125, 6320), (138, 6353), (145, 6365), (151, 6383), (153, 6389), (162, 6416), (165, 6422), (185, 6494), (186, 6500), (192, 6530), (193, 6533), (222, 6611), (225, 6617), (228, 6620), (237, 6638), (340, 6794), (349, 6812), (352, 6824), (367, 6872), (370, 6881), (381, 6929), (382, 6932), (405, 7001), (434, 7055), (440, 7091), (456, 7142), (458, 7145), (472, 7175), (474, 7178), (475, 7184), (476, 7199), (491, 7250), (492, 7253), (495, 7274), (496, 7277), (513, 7328), (533, 7415), (546, 7466), (574, 7526), (576, 7529), (593, 7556), (611, 7592), (614, 7598), (621, 7613), (626, 7625), (647, 7709),

Gene: Relief_12 Start: 8579, Stop: 10030, Start Num: 58

Candidate Starts for Relief_12:

(Start: 58 @8579 has 296 MA's), (132, 8726), (136, 8738), (190, 8906), (197, 8936), (209, 8975), (215, 8993), (247, 9053), (344, 9182), (349, 9200), (377, 9311), (379, 9317), (385, 9338), (386, 9344), (411, 9413), (435, 9473), (443, 9518), (483, 9644), (484, 9647), (496, 9698), (497, 9704), (502, 9719), (510, 9749), (532, 9839), (544, 9875), (551, 9905), (562, 9935),

Gene: Remus_15 Start: 8341, Stop: 9801, Start Num: 59

Candidate Starts for Remus_15:

(Start: 59 @8341 has 322 MA's), (101, 8401), (136, 8506), (163, 8572), (213, 8755), (224, 8788), (247, 8821), (373, 9052), (377, 9079), (379, 9085), (385, 9106), (389, 9127), (400, 9157), (417, 9181), (443, 9271), (453, 9301), (483, 9397), (491, 9424), (496, 9451), (501, 9469), (502, 9472), (510, 9505), (516, 9514), (544, 9631), (551, 9661), (580, 9715),

Gene: Reptar3000_10 Start: 3838, Stop: 5439, Start Num: 29

Candidate Starts for Reptar3000_10:

(Start: 29 @3838 has 30 MA's), (Start: 30 @3853 has 28 MA's), (Start: 39 @3877 has 1 MA's), (Start: 81 @3943 has 1 MA's), (105, 3988), (Start: 129 @4060 has 2 MA's), (148, 4108), (150, 4117), (151,

4120), (154, 4129), (165, 4159), (185, 4228), (189, 4249), (192, 4264), (197, 4285), (199, 4291), (208, 4315), (231, 4351), (238, 4366), (260, 4405), (333, 4540), (337, 4549), (345, 4567), (351, 4594), (352, 4597), (362, 4630), (373, 4663), (375, 4684), (382, 4705), (423, 4768), (431, 4792), (436, 4816), (445, 4864), (449, 4876), (453, 4888), (455, 4894), (472, 4933), (499, 5047), (501, 5053), (533, 5224), (541, 5251), (543, 5260), (567, 5323), (576, 5335),

Gene: ResDef_13 Start: 8738, Stop: 10207, Start Num: 58

Candidate Starts for ResDef_13:

(Start: 58 @8738 has 296 MA's), (94, 8777), (136, 8903), (169, 8987), (186, 9050), (193, 9083), (197, 9101), (209, 9140), (219, 9167), (247, 9218), (344, 9344), (347, 9356), (351, 9371), (352, 9374), (373, 9446), (377, 9473), (379, 9479), (385, 9500), (386, 9506), (392, 9530), (411, 9572), (443, 9677), (483, 9803), (484, 9806), (496, 9857), (497, 9863), (502, 9878), (510, 9908), (544, 10034), (551, 10064), (562, 10094),

Gene: Retro23_13 Start: 9321, Stop: 10784, Start Num: 59

Candidate Starts for Retro23_13:

(Start: 59 @9321 has 322 MA's), (101, 9381), (136, 9486), (197, 9684), (224, 9768), (247, 9801), (327, 9912), (373, 10029), (377, 10056), (379, 10062), (385, 10083), (386, 10089), (400, 10134), (446, 10257), (496, 10428), (501, 10446), (502, 10449), (510, 10476), (516, 10485), (544, 10602), (551, 10632), (560, 10662),

Gene: RexFury_9 Start: 4866, Stop: 6311, Start Num: 58

Candidate Starts for RexFury_9:

(Start: 58 @4866 has 296 MA's), (149, 5043), (155, 5064), (165, 5091), (169, 5106), (186, 5169), (213, 5268), (219, 5283), (299, 5412), (349, 5475), (351, 5484), (374, 5571), (375, 5580), (377, 5586), (389, 5634), (417, 5688), (427, 5703), (431, 5712), (443, 5778), (446, 5787), (449, 5796), (491, 5931), (501, 5976), (502, 5979), (526, 6072), (544, 6129), (551, 6159), (560, 6186), (573, 6198), (577, 6204),

Gene: Rey_19 Start: 7070, Stop: 8671, Start Num: 35

Candidate Starts for Rey_19:

(Start: 35 @7070 has 23 MA's), (125, 7259), (138, 7292), (145, 7304), (162, 7355), (165, 7361), (185, 7433), (186, 7439), (192, 7469), (197, 7490), (222, 7526), (228, 7535), (237, 7553), (381, 7844), (382, 7847), (440, 8006), (456, 8057), (458, 8060), (472, 8090), (475, 8099), (491, 8165), (492, 8168), (496, 8192), (518, 8252), (533, 8330), (574, 8441), (614, 8513),

Gene: Rhodalysa_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for Rhodalysa_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: RhynO_13 Start: 8532, Stop: 9977, Start Num: 58

Candidate Starts for RhynO_13:

(Start: 58 @8532 has 296 MA's), (Start: 71 @8544 has 5 MA's), (136, 8691), (186, 8838), (193, 8871), (197, 8889), (199, 8895), (208, 8928), (247, 9009), (252, 9021), (347, 9147), (352, 9165), (373, 9237), (376, 9261), (377, 9264), (379, 9270), (385, 9291), (443, 9471), (483, 9597), (484, 9600), (496, 9651), (497, 9657), (502, 9672), (510, 9702), (516, 9711), (532, 9792), (544, 9828), (551, 9858), (577, 9909), (580, 9912),

Gene: Rhynn_12 Start: 8733, Stop: 10175, Start Num: 89

Candidate Starts for Rhynn_12:

(Start: 50 @8667 has 1 MA's), (Start: 89 @8733 has 214 MA's), (162, 8931), (224, 9144), (349, 9339), (352, 9351), (377, 9450), (398, 9522), (446, 9645), (460, 9684), (483, 9762), (485, 9768), (496, 9816), (499, 9828), (502, 9837), (525, 9927), (551, 10017), (562, 10050), (573, 10062),

Gene: Rialto_4 Start: 2200, Stop: 3621, Start Num: 78

Candidate Starts for Rialto_4:

(Start: 78 @2200 has 61 MA's), (Start: 95 @2227 has 1 MA's), (99, 2239), (148, 2368), (153, 2386), (165, 2419), (185, 2488), (192, 2524), (197, 2545), (199, 2551), (208, 2575), (211, 2578), (253, 2653), (257, 2659), (268, 2686), (280, 2704), (301, 2746), (332, 2797), (338, 2815), (349, 2848), (351, 2857), (352, 2860), (367, 2908), (370, 2917), (375, 2947), (381, 2965), (388, 2998), (431, 3055), (449, 3139), (455, 3157), (464, 3184), (472, 3196), (474, 3199), (475, 3205), (476, 3220), (486, 3253), (496, 3298), (518, 3358), (533, 3433), (534, 3439), (537, 3448), (540, 3457), (543, 3469), (572, 3532), (600, 3580),

Gene: Richie_4 Start: 2275, Stop: 3612, Start Num: 88

Candidate Starts for Richie_4:

(27, 2152), (28, 2155), (41, 2197), (47, 2209), (Start: 80 @2263 has 4 MA's), (Start: 88 @2275 has 31 MA's), (108, 2323), (130, 2386), (132, 2398), (216, 2656), (247, 2713), (271, 2761), (345, 2848), (347, 2857), (355, 2884), (375, 2965), (379, 2977), (380, 2980), (386, 3004), (429, 3097), (446, 3172), (464, 3226), (483, 3289), (486, 3298), (498, 3352), (512, 3391), (526, 3457), (551, 3538), (556, 3547), (585, 3598),

Gene: Richo_9 Start: 3102, Stop: 4652, Start Num: 32

Candidate Starts for Richo_9:

(22, 2997), (Start: 29 @3087 has 30 MA's), (Start: 32 @3102 has 139 MA's), (99, 3204), (Start: 129 @3285 has 2 MA's), (136, 3309), (153, 3351), (185, 3453), (189, 3474), (192, 3489), (231, 3579), (238, 3594), (278, 3669), (301, 3714), (321, 3744), (330, 3759), (331, 3765), (337, 3783), (349, 3819), (352, 3831), (362, 3864), (373, 3897), (375, 3918), (380, 3933), (382, 3939), (388, 3969), (423, 4002), (429, 4020), (445, 4098), (449, 4110), (450, 4113), (454, 4125), (455, 4128), (474, 4164), (495, 4260), (496, 4263), (501, 4281), (518, 4323), (525, 4374), (533, 4398), (540, 4422), (541, 4425), (543, 4434), (564, 4494), (591, 4530), (607, 4557),

Gene: RidgeCB_12 Start: 8260, Stop: 9702, Start Num: 89

Candidate Starts for RidgeCB_12:

(Start: 50 @8194 has 1 MA's), (Start: 89 @8260 has 214 MA's), (162, 8458), (224, 8671), (349, 8866), (352, 8878), (377, 8977), (398, 9049), (446, 9172), (460, 9211), (483, 9289), (485, 9295), (496, 9343), (499, 9355), (502, 9364), (525, 9454), (551, 9544), (562, 9577), (573, 9589),

Gene: Rifter_16 Start: 9257, Stop: 10723, Start Num: 59

Candidate Starts for Rifter_16:

(Start: 59 @9257 has 322 MA's), (Start: 72 @9278 has 15 MA's), (101, 9317), (131, 9404), (133, 9416), (136, 9422), (224, 9704), (258, 9758), (358, 9917), (373, 9968), (377, 9995), (379, 10001), (385, 10022), (460, 10235), (502, 10388), (505, 10403), (510, 10415), (516, 10424), (527, 10490), (535, 10511), (544, 10541), (551, 10571), (560, 10601),

Gene: Ringer_12 Start: 8931, Stop: 10373, Start Num: 89

Candidate Starts for Ringer_12:

(Start: 50 @8865 has 1 MA's), (Start: 89 @8931 has 214 MA's), (162, 9129), (224, 9342), (349, 9537), (377, 9648), (446, 9843), (460, 9882), (483, 9960), (485, 9966), (495, 10011), (496, 10014), (499, 10026), (502, 10035), (525, 10125), (551, 10215), (562, 10248), (573, 10260),

Gene: Roary_10 Start: 7422, Stop: 8852, Start Num: 59

Candidate Starts for Roary_10:

(Start: 59 @7422 has 322 MA's), (135, 7572), (224, 7854), (299, 7965), (349, 8028), (362, 8073), (377, 8139), (385, 8166), (443, 8331), (476, 8433), (496, 8511), (497, 8517), (516, 8568), (544, 8685), (551, 8715), (581, 8769),

Gene: RockScotty_3 Start: 2307, Stop: 3875, Start Num: 73

Candidate Starts for RockScotty_3:

(Start: 73 @2307 has 17 MA's), (Start: 129 @2433 has 2 MA's), (197, 2658), (208, 2694), (228, 2703), (237, 2721), (279, 2796), (300, 2820), (349, 2925), (450, 3231), (453, 3240), (460, 3258), (464, 3273), (465, 3276), (530, 3516), (608, 3690),

Gene: RockieBear_11 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for RockieBear_11:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Rockstar_12 Start: 8064, Stop: 9530, Start Num: 59

Candidate Starts for Rockstar_12:

(Start: 59 @8064 has 322 MA's), (94, 8109), (136, 8235), (169, 8319), (186, 8382), (193, 8415), (197, 8433), (209, 8472), (219, 8499), (347, 8688), (373, 8778), (376, 8802), (377, 8805), (379, 8811), (385, 8832), (386, 8838), (443, 9009), (483, 9135), (484, 9138), (496, 9189), (497, 9195), (502, 9210), (510, 9240), (544, 9366), (551, 9396), (562, 9426),

Gene: RockyHorror_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for RockyHorror_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Rohr_13 Start: 8939, Stop: 10381, Start Num: 89

Candidate Starts for Rohr_13:

(Start: 50 @8873 has 1 MA's), (Start: 89 @8939 has 214 MA's), (162, 9137), (224, 9350), (349, 9545), (350, 9548), (377, 9656), (398, 9728), (446, 9851), (460, 9890), (483, 9968), (485, 9974), (496, 10022), (499, 10034), (502, 10043), (525, 10133), (551, 10223), (562, 10256), (573, 10268),

Gene: Roimos_12 Start: 8162, Stop: 9628, Start Num: 59

Candidate Starts for Roimos_12:

(Start: 59 @8162 has 322 MA's), (136, 8333), (169, 8417), (186, 8480), (193, 8513), (197, 8531), (209, 8570), (219, 8597), (245, 8645), (347, 8786), (350, 8795), (373, 8876), (376, 8900), (377, 8903), (379, 8909), (385, 8930), (386, 8936), (443, 9107), (483, 9233), (484, 9236), (496, 9287), (497, 9293), (502, 9308), (510, 9338), (544, 9464), (551, 9494), (562, 9524),

Gene: Roksolana_16 Start: 9284, Stop: 10750, Start Num: 59

Candidate Starts for Roksolana_16:

(Start: 59 @9284 has 322 MA's), (Start: 72 @9305 has 15 MA's), (101, 9344), (131, 9431), (133, 9443), (136, 9449), (224, 9731), (258, 9785), (358, 9944), (373, 9995), (377, 10022), (379, 10028), (385, 10049), (460, 10262), (502, 10415), (505, 10430), (510, 10442), (516, 10451), (527, 10517), (535, 10538), (544, 10568), (551, 10598), (560, 10628),

Gene: Romney_12 Start: 8577, Stop: 10028, Start Num: 58

Candidate Starts for Romney_12:

(Start: 58 @8577 has 296 MA's), (132, 8724), (136, 8736), (190, 8904), (197, 8934), (209, 8973), (215, 8991), (247, 9051), (344, 9180), (349, 9198), (377, 9309), (379, 9315), (385, 9336), (386, 9342), (411, 9411), (435, 9471), (443, 9516), (483, 9642), (484, 9645), (496, 9696), (497, 9702), (502, 9717), (510, 9747), (532, 9837), (544, 9873), (546, 9885), (551, 9903), (562, 9933),

Gene: Ronaldo_38 Start: 12190, Stop: 13596, Start Num: 82

Candidate Starts for Ronaldo_38:

(Start: 82 @12190 has 8 MA's), (107, 12229), (118, 12277), (145, 12337), (185, 12463), (199, 12526), (201, 12532), (224, 12577), (297, 12712), (338, 12781), (365, 12862), (371, 12883), (375, 12910), (423, 12994), (449, 13102), (488, 13225), (494, 13255), (495, 13258), (526, 13366), (527, 13372), (537, 13402), (540, 13411), (541, 13414), (543, 13423), (573, 13495), (579, 13504), (588, 13519),

Gene: Roosevelt_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Roosevelt_12:

(Start: 58 @8578 has 296 MA's), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Rosa24_11 Start: 8553, Stop: 10004, Start Num: 58

Candidate Starts for Rosa24_11:

(Start: 58 @8553 has 296 MA's), (136, 8712), (190, 8880), (197, 8910), (209, 8949), (215, 8967), (247, 9027), (344, 9156), (349, 9174), (352, 9186), (377, 9285), (379, 9291), (385, 9312), (386, 9318), (411, 9387), (435, 9447), (483, 9618), (484, 9621), (496, 9672), (497, 9678), (502, 9693), (510, 9723), (532, 9813), (544, 9849), (551, 9879), (562, 9909),

Gene: Rosalind_15 Start: 8502, Stop: 9962, Start Num: 59

Candidate Starts for Rosalind_15:

(Start: 59 @8502 has 322 MA's), (101, 8562), (136, 8667), (163, 8733), (213, 8916), (224, 8949), (247, 8982), (373, 9213), (377, 9240), (379, 9246), (385, 9267), (389, 9288), (400, 9318), (417, 9342), (453, 9462), (483, 9558), (491, 9585), (496, 9612), (501, 9630), (502, 9633), (510, 9666), (516, 9675), (544, 9792), (551, 9822), (580, 9876),

Gene: Rose5_5 Start: 2625, Stop: 4298, Start Num: 61

Candidate Starts for Rose5_5:

(Start: 61 @2625 has 69 MA's), (101, 2688), (116, 2742), (127, 2766), (154, 2835), (162, 2859), (185, 2937), (192, 2973), (241, 3066), (244, 3069), (291, 3144), (322, 3183), (349, 3246), (356, 3273), (357, 3276), (365, 3297), (371, 3318), (380, 3360), (381, 3363), (424, 3465), (428, 3480), (430, 3486), (450, 3567), (460, 3594), (461, 3600), (490, 3693), (495, 3720), (497, 3729), (518, 3783), (521, 3804), (524, 3825), (530, 3852), (533, 3861), (549, 3921), (557, 3951), (564, 3960), (626, 4068), (653, 4263),

Gene: RoseMarie_15 Start: 6507, Stop: 8126, Start Num: 35

Candidate Starts for RoseMarie_15:

(Start: 35 @6507 has 23 MA's), (43, 6522), (49, 6531), (105, 6627), (125, 6693), (138, 6726), (145, 6738), (162, 6789), (165, 6795), (185, 6867), (186, 6873), (192, 6903), (193, 6906), (222, 6984), (228, 6993), (237, 7011), (340, 7167), (352, 7197), (367, 7245), (370, 7254), (381, 7302), (382, 7305), (405, 7374), (440, 7464), (456, 7515), (458, 7518), (472, 7548), (475, 7557), (491, 7623), (492, 7626), (495, 7647), (496, 7650), (513, 7701), (533, 7788), (574, 7899), (576, 7902), (593, 7929), (614, 7971), (621, 7986), (647, 8082),

Gene: Rosmarinus_9 Start: 3055, Stop: 4623, Start Num: 29

Candidate Starts for Rosmarinus_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: Rossetti_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Rossetti_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (153, 2845), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (347, 3253), (349, 3259), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: Rowa_3 Start: 2274, Stop: 3710, Start Num: 84

Candidate Starts for Rowa_3:

(Start: 66 @2250 has 4 MA's), (Start: 81 @2268 has 1 MA's), (Start: 84 @2274 has 3 MA's), (119, 2373), (153, 2454), (163, 2484), (235, 2688), (247, 2706), (276, 2760), (294, 2790), (336, 2859), (344, 2871), (350, 2895), (352, 2904), (359, 2928), (380, 3006), (386, 3030), (389, 3045), (392, 3054), (419, 3114), (445, 3216), (471, 3285), (483, 3333), (496, 3387), (514, 3441), (517, 3450), (532, 3525), (541, 3552), (551, 3594),

Gene: Rowdy_15 Start: 8443, Stop: 9888, Start Num: 58

Candidate Starts for Rowdy_15:

(Start: 58 @8443 has 296 MA's), (Start: 71 @8455 has 5 MA's), (136, 8602), (186, 8749), (193, 8782), (197, 8800), (199, 8806), (208, 8839), (247, 8920), (252, 8932), (347, 9058), (352, 9076), (373, 9148), (376, 9172), (377, 9175), (379, 9181), (385, 9202), (443, 9382), (483, 9508), (484, 9511), (496, 9562), (497, 9568), (502, 9583), (510, 9613), (516, 9622), (532, 9703), (544, 9739), (551, 9769), (577, 9820), (580, 9823),

Gene: Rubeus_13 Start: 8765, Stop: 10207, Start Num: 89

Candidate Starts for Rubeus_13:

(Start: 50 @8699 has 1 MA's), (Start: 89 @8765 has 214 MA's), (162, 8963), (224, 9176), (349, 9371), (352, 9383), (377, 9482), (446, 9677), (460, 9716), (483, 9794), (485, 9800), (496, 9848), (499, 9860), (502, 9869), (525, 9959), (551, 10049), (562, 10082), (573, 10094),

Gene: Rufus_13 Start: 8822, Stop: 10264, Start Num: 89

Candidate Starts for Rufus_13:

(Start: 50 @8756 has 1 MA's), (Start: 89 @8822 has 214 MA's), (162, 9020), (224, 9233), (349, 9428), (352, 9440), (377, 9539), (446, 9734), (460, 9773), (483, 9851), (485, 9857), (495, 9902), (496, 9905), (499, 9917), (502, 9926), (516, 9959), (525, 10016), (551, 10106), (562, 10139), (573, 10151),

Gene: Ruin_12 Start: 8577, Stop: 10028, Start Num: 58

Candidate Starts for Ruin_12:

(Start: 58 @8577 has 296 MA's), (132, 8724), (136, 8736), (190, 8904), (197, 8934), (209, 8973), (215, 8991), (247, 9051), (344, 9180), (349, 9198), (377, 9309), (379, 9315), (385, 9336), (386, 9342), (411, 9411), (435, 9471), (443, 9516), (483, 9642), (484, 9645), (496, 9696), (497, 9702), (502, 9717), (510, 9747), (532, 9837), (544, 9873), (546, 9885), (551, 9903), (562, 9933),

Gene: Rummer_14 Start: 8738, Stop: 10192, Start Num: 58

Candidate Starts for Rummer_14:

(Start: 58 @8738 has 296 MA's), (Start: 90 @8768 has 2 MA's), (101, 8795), (136, 8900), (179, 9014), (193, 9080), (209, 9137), (247, 9215), (248, 9218), (349, 9359), (377, 9470), (379, 9476), (385, 9497), (443, 9662), (483, 9788), (496, 9842), (497, 9848), (502, 9863), (516, 9899), (535, 9986), (544, 10016), (551, 10046), (573, 10091), (581, 10100),

Gene: Rumpelstiltskin_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Rumpelstiltskin_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (112, 2734), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (424, 3478), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: RunningOnE_65 Start: 29580, Stop: 31031, Start Num: 57

Candidate Starts for RunningOnE_65:

(Start: 57 @29580 has 1 MA's), (162, 29826), (173, 29865), (192, 29940), (224, 30021), (243, 30048), (279, 30111), (443, 30486), (456, 30525), (466, 30555), (486, 30621), (489, 30633), (519, 30726), (539, 30819), (548, 30852), (551, 30864), (569, 30906), (609, 30966),

Gene: Ruotula_11 Start: 8881, Stop: 10323, Start Num: 89

Candidate Starts for Ruotula_11:

(Start: 50 @8815 has 1 MA's), (Start: 89 @8881 has 214 MA's), (162, 9079), (224, 9292), (349, 9487), (352, 9499), (377, 9598), (446, 9793), (460, 9832), (483, 9910), (485, 9916), (496, 9964), (499, 9976), (502, 9985), (525, 10075), (551, 10165), (562, 10198), (573, 10210),

Gene: Rusticus_8 Start: 4241, Stop: 5683, Start Num: 83

Candidate Starts for Rusticus_8:

(70, 4232), (Start: 72 @4235 has 15 MA's), (Start: 83 @4241 has 105 MA's), (Start: 129 @4358 has 2 MA's), (148, 4406), (155, 4430), (269, 4724), (298, 4766), (312, 4793), (366, 4919), (370, 4931), (392, 5024), (426, 5102), (436, 5147), (448, 5204), (456, 5228), (520, 5441), (611, 5669),

Gene: Rutherferd_14 Start: 9283, Stop: 10725, Start Num: 89

Candidate Starts for Rutherferd_14:

(Start: 50 @9217 has 1 MA's), (Start: 89 @9283 has 214 MA's), (162, 9481), (224, 9694), (349, 9889), (351, 9898), (377, 10000), (398, 10072), (446, 10195), (483, 10312), (485, 10318), (496, 10366), (499, 10378), (502, 10387), (525, 10477), (551, 10567), (562, 10600), (573, 10612),

Gene: Ruthiejr_9 Start: 3658, Stop: 5238, Start Num: 30

Candidate Starts for Ruthiejr_9:

(Start: 29 @3643 has 30 MA's), (Start: 30 @3658 has 28 MA's), (Start: 39 @3682 has 1 MA's), (Start: 81 @3745 has 1 MA's), (125, 3853), (Start: 129 @3862 has 2 MA's), (150, 3919), (153, 3928), (154, 3931), (165, 3961), (185, 4030), (189, 4051), (197, 4087), (199, 4093), (208, 4117), (238, 4168), (260, 4207), (289, 4264), (333, 4342), (334, 4345), (337, 4351), (345, 4369), (351, 4396), (352, 4399), (362, 4432), (373, 4465), (375, 4486), (382, 4507), (423, 4570), (431, 4594), (436, 4618), (445, 4666), (449, 4678), (455, 4696), (472, 4735), (476, 4759), (497, 4843), (499, 4849), (501, 4855), (509, 4924), (518, 4948), (533, 5023), (541, 5050), (543, 5059), (553, 5095), (567, 5122), (576, 5134),

Gene: RyeScarlet_15 Start: 9929, Stop: 11416, Start Num: 59

Candidate Starts for RyeScarlet_15:

(Start: 59 @9929 has 322 MA's), (101, 9992), (136, 10097), (165, 10166), (200, 10307), (213, 10346), (224, 10379), (247, 10412), (349, 10556), (373, 10640), (377, 10667), (379, 10673), (385, 10694),

(392, 10724), (400, 10745), (417, 10769), (427, 10784), (496, 11039), (501, 11057), (510, 11087), (512, 11090), (516, 11096), (542, 11207), (544, 11213), (551, 11243), (573, 11288), (580, 11297),

Gene: STLscum_13 Start: 8852, Stop: 10294, Start Num: 89

Candidate Starts for STLscum_13:

(Start: 50 @8786 has 1 MA's), (Start: 89 @8852 has 214 MA's), (162, 9050), (224, 9263), (349, 9458), (377, 9569), (446, 9764), (460, 9803), (483, 9881), (485, 9887), (496, 9935), (499, 9947), (502, 9956), (516, 9989), (525, 10046), (551, 10136), (562, 10169), (573, 10181),

Gene: Sabertooth_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Sabertooth_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Sabia_14 Start: 8647, Stop: 10101, Start Num: 58

Candidate Starts for Sabia_14:

(Start: 58 @8647 has 296 MA's), (Start: 90 @8677 has 2 MA's), (101, 8704), (136, 8809), (179, 8923), (193, 8989), (209, 9046), (247, 9124), (248, 9127), (349, 9268), (377, 9379), (379, 9385), (385, 9406), (443, 9571), (483, 9697), (496, 9751), (497, 9757), (502, 9772), (516, 9808), (535, 9895), (544, 9925), (551, 9955), (573, 10000), (581, 10009),

Gene: Sabinator_14 Start: 8682, Stop: 10106, Start Num: 90

Candidate Starts for Sabinator_14:

(Start: 58 @8652 has 296 MA's), (Start: 90 @8682 has 2 MA's), (101, 8709), (136, 8814), (179, 8928), (193, 8994), (209, 9051), (247, 9129), (248, 9132), (349, 9273), (377, 9384), (379, 9390), (385, 9411), (443, 9576), (483, 9702), (496, 9756), (497, 9762), (502, 9777), (516, 9813), (535, 9900), (544, 9930), (551, 9960), (573, 10005), (581, 10014),

Gene: Sabourin_3 Start: 2306, Stop: 3871, Start Num: 72

Candidate Starts for Sabourin_3:

(Start: 72 @2306 has 15 MA's), (Start: 129 @2432 has 2 MA's), (197, 2657), (208, 2693), (228, 2702), (279, 2795), (300, 2819), (349, 2924), (460, 3257), (464, 3272), (465, 3275), (530, 3515), (608, 3689), (645, 3803), (649, 3836),

Gene: Sachima_12 Start: 9893, Stop: 11380, Start Num: 59

Candidate Starts for Sachima_12:

(Start: 59 @9893 has 322 MA's), (101, 9956), (136, 10061), (165, 10130), (200, 10271), (213, 10310), (224, 10343), (247, 10376), (349, 10520), (359, 10556), (362, 10565), (373, 10604), (377, 10631), (379, 10637), (385, 10658), (386, 10664), (400, 10709), (417, 10733), (427, 10748), (496, 11003), (501, 11021), (510, 11051), (512, 11054), (516, 11060), (542, 11171), (544, 11177), (551, 11207), (573, 11252), (580, 11261),

Gene: Saftant_7 Start: 4208, Stop: 5632, Start Num: 83

Candidate Starts for Saftant_7:

(Start: 83 @4208 has 105 MA's), (Start: 129 @4325 has 2 MA's), (148, 4373), (151, 4385), (185, 4520), (312, 4760), (334, 4793), (337, 4799), (370, 4898), (387, 4973), (392, 4991), (409, 5030), (426, 5066), (436, 5111), (448, 5168), (482, 5273), (520, 5405), (551, 5537), (566, 5567), (601, 5612), (606, 5618),

Gene: Sagefire_13 Start: 9534, Stop: 10976, Start Num: 89

Candidate Starts for Sagefire_13:

(Start: 50 @9468 has 1 MA's), (Start: 89 @9534 has 214 MA's), (162, 9732), (224, 9945), (349, 10140), (352, 10152), (377, 10251), (398, 10323), (446, 10446), (460, 10485), (483, 10563), (485, 10569), (496, 10617), (499, 10629), (502, 10638), (525, 10728), (551, 10818), (562, 10851), (573, 10863),

Gene: Saintus_10 Start: 7435, Stop: 8865, Start Num: 59

Candidate Starts for Saintus_10:

(Start: 59 @7435 has 322 MA's), (135, 7585), (186, 7732), (224, 7867), (256, 7918), (299, 7978), (300, 7981), (349, 8041), (359, 8077), (377, 8152), (385, 8179), (392, 8209), (443, 8344), (476, 8446), (496, 8524), (497, 8530), (516, 8581), (544, 8698), (551, 8728), (581, 8782),

Gene: Sakai_4 Start: 2275, Stop: 3606, Start Num: 88

Candidate Starts for Sakai_4:

(Start: 80 @2263 has 4 MA's), (Start: 88 @2275 has 31 MA's), (94, 2284), (130, 2386), (132, 2398), (182, 2539), (190, 2584), (194, 2599), (199, 2620), (219, 2656), (224, 2674), (271, 2755), (300, 2800), (355, 2878), (375, 2959), (379, 2971), (380, 2974), (386, 2998), (399, 3040), (441, 3151), (446, 3166), (457, 3196), (486, 3292), (551, 3532), (552, 3535), (556, 3541), (585, 3592),

Gene: Salz_13 Start: 9781, Stop: 11238, Start Num: 59

Candidate Starts for Salz_13:

(Start: 59 @9781 has 322 MA's), (97, 9826), (101, 9841), (136, 9946), (224, 10228), (247, 10261), (352, 10417), (373, 10489), (377, 10516), (379, 10522), (385, 10543), (400, 10594), (490, 10858), (496, 10888), (502, 10909), (505, 10924), (510, 10936), (516, 10945), (535, 11032), (544, 11062), (551, 11092), (560, 11122), (610, 11188),

Gene: SamScheppers_8 Start: 3532, Stop: 5115, Start Num: 30

Candidate Starts for SamScheppers_8:

(Start: 29 @3517 has 30 MA's), (Start: 30 @3532 has 28 MA's), (Start: 39 @3556 has 1 MA's), (Start: 81 @3622 has 1 MA's), (105, 3667), (Start: 129 @3739 has 2 MA's), (150, 3796), (153, 3805), (154, 3808), (165, 3838), (185, 3907), (189, 3928), (197, 3964), (199, 3970), (208, 3994), (231, 4030), (238, 4045), (260, 4084), (333, 4219), (337, 4228), (345, 4246), (351, 4273), (352, 4276), (362, 4309), (373, 4342), (375, 4363), (382, 4384), (423, 4447), (431, 4471), (436, 4495), (445, 4543), (449, 4555), (453, 4567), (455, 4573), (472, 4612), (499, 4726), (501, 4732), (533, 4900), (541, 4927), (543, 4936), (567, 4999), (576, 5011),

Gene: Samty_6 Start: 2752, Stop: 4395, Start Num: 61

Candidate Starts for Samty_6:

(Start: 61 @2752 has 69 MA's), (99, 2812), (154, 2962), (165, 2992), (185, 3064), (200, 3130), (234, 3178), (291, 3271), (322, 3310), (347, 3367), (349, 3373), (356, 3400), (359, 3409), (365, 3424), (430, 3613), (439, 3646), (447, 3685), (461, 3727), (518, 3910), (524, 3952), (530, 3979), (533, 3988), (549, 4048), (557, 4078), (564, 4087), (611, 4162), (626, 4195),

Gene: SamuelLPlaqson_9 Start: 2999, Stop: 4546, Start Num: 32

Candidate Starts for SamuelLPlaqson_9:

(22, 2897), (Start: 29 @2984 has 30 MA's), (Start: 32 @2999 has 139 MA's), (48, 3026), (96, 3095), (99, 3104), (105, 3113), (125, 3176), (Start: 129 @3185 has 2 MA's), (136, 3209), (150, 3242), (165, 3284), (185, 3353), (189, 3374), (197, 3410), (231, 3479), (236, 3491), (278, 3569), (289, 3590), (305, 3620), (321, 3644), (362, 3764), (373, 3797), (375, 3818), (382, 3839), (388, 3869), (423, 3902), (429, 3920), (445, 3998), (449, 4010), (450, 4013), (454, 4025), (455, 4028), (474, 4064), (484, 4112), (496, 4163), (501, 4181), (526, 4277), (533, 4298), (541, 4325), (543, 4334), (586, 4424),

Gene: Samy_6 Start: 3515, Stop: 5041, Start Num: 53

Candidate Starts for Samy_6:

(Start: 53 @3515 has 1 MA's), (63, 3536), (141, 3716), (162, 3773), (224, 3989), (229, 3995), (308, 4130), (349, 4223), (380, 4337), (383, 4346), (436, 4475), (446, 4526), (450, 4538), (496, 4694), (526, 4808), (538, 4847), (541, 4856), (551, 4886), (557, 4913), (578, 4943), (613, 4997),

Gene: Sandaddy_11 Start: 8657, Stop: 10099, Start Num: 89

Candidate Starts for Sandaddy_11:

(Start: 50 @8591 has 1 MA's), (Start: 89 @8657 has 214 MA's), (162, 8855), (224, 9068), (349, 9263), (352, 9275), (377, 9374), (446, 9569), (460, 9608), (483, 9686), (485, 9692), (496, 9740), (499, 9752), (502, 9761), (525, 9851), (551, 9941), (562, 9974), (573, 9986),

Gene: Sanya_11 Start: 9319, Stop: 10761, Start Num: 89

Candidate Starts for Sanya_11:

(Start: 50 @9253 has 1 MA's), (Start: 89 @9319 has 214 MA's), (162, 9517), (224, 9730), (349, 9925), (352, 9937), (377, 10036), (446, 10231), (460, 10270), (483, 10348), (485, 10354), (496, 10402), (499, 10414), (502, 10423), (525, 10513), (551, 10603), (562, 10636), (573, 10648),

Gene: SarFire_12 Start: 8518, Stop: 9960, Start Num: 89

Candidate Starts for SarFire_12:

(Start: 50 @8452 has 1 MA's), (Start: 89 @8518 has 214 MA's), (162, 8716), (224, 8929), (349, 9124), (352, 9136), (377, 9235), (446, 9430), (460, 9469), (483, 9547), (485, 9553), (496, 9601), (499, 9613), (502, 9622), (516, 9655), (525, 9712), (551, 9802), (562, 9835), (573, 9847),

Gene: SarahRose_7 Start: 4055, Stop: 5491, Start Num: 83

Candidate Starts for SarahRose_7:

(Start: 72 @4049 has 15 MA's), (Start: 83 @4055 has 105 MA's), (96, 4079), (106, 4103), (Start: 129 @4172 has 2 MA's), (148, 4220), (151, 4232), (165, 4271), (200, 4424), (269, 4538), (298, 4580), (312, 4607), (334, 4640), (337, 4646), (366, 4736), (370, 4748), (387, 4823), (392, 4841), (426, 4919), (436, 4964), (448, 5021), (513, 5234), (520, 5258), (551, 5390), (590, 5456), (611, 5477),

Gene: Sarma624_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Sarma624_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Sarshaun_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Sarshaun_5:

(Start: 61 @2638 has 69 MA's), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: Sashimi_4 Start: 2274, Stop: 3605, Start Num: 88

Candidate Starts for Sashimi_4:

(Start: 80 @2262 has 4 MA's), (Start: 88 @2274 has 31 MA's), (94, 2283), (130, 2385), (132, 2397), (182, 2538), (190, 2583), (194, 2598), (199, 2619), (216, 2649), (219, 2655), (224, 2673), (271, 2754), (300, 2799), (355, 2877), (375, 2958), (379, 2970), (380, 2973), (386, 2997), (399, 3039), (446, 3165), (486, 3291), (535, 3471), (551, 3531), (552, 3534), (556, 3540), (585, 3591),

Gene: Saskia_12 Start: 9784, Stop: 11241, Start Num: 59

Candidate Starts for Saskia_12:

(Start: 59 @9784 has 322 MA's), (97, 9829), (101, 9844), (136, 9949), (179, 10063), (224, 10231), (247, 10264), (352, 10420), (373, 10492), (377, 10519), (379, 10525), (385, 10546), (400, 10597), (496, 10891), (502, 10912), (505, 10927), (510, 10939), (516, 10948), (535, 11035), (544, 11065), (551, 11095), (560, 11125), (610, 11191),

Gene: Satrap_4 Start: 2274, Stop: 3611, Start Num: 88

Candidate Starts for Satrap_4:

(Start: 80 @2262 has 4 MA's), (Start: 88 @2274 has 31 MA's), (130, 2385), (132, 2397), (216, 2655), (224, 2679), (281, 2781), (345, 2847), (347, 2856), (355, 2883), (375, 2964), (379, 2976), (380, 2979), (386, 3003), (399, 3045), (446, 3171), (464, 3225), (483, 3288), (495, 3339), (512, 3390), (522, 3432), (526, 3456), (551, 3537), (556, 3546), (585, 3597),

Gene: SaturnRing_12 Start: 8193, Stop: 9659, Start Num: 59

Candidate Starts for SaturnRing_12:

(Start: 59 @8193 has 322 MA's), (136, 8364), (169, 8448), (186, 8511), (193, 8544), (197, 8562), (209, 8601), (219, 8628), (245, 8676), (347, 8817), (350, 8826), (373, 8907), (376, 8931), (377, 8934), (379, 8940), (384, 8958), (385, 8961), (386, 8967), (443, 9138), (483, 9264), (484, 9267), (496, 9318), (497, 9324), (502, 9339), (510, 9369), (544, 9495), (551, 9525), (562, 9555),

Gene: Scamp_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Scamp_12:

(Start: 58 @8578 has 296 MA's), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Scarlett_8 Start: 2917, Stop: 4461, Start Num: 32

Candidate Starts for Scarlett_8:

(22, 2812), (Start: 29 @2902 has 30 MA's), (Start: 32 @2917 has 139 MA's), (51, 2953), (Start: 64 @2971 has 1 MA's), (Start: 95 @3016 has 1 MA's), (99, 3028), (105, 3037), (Start: 129 @3109 has 2 MA's), (136, 3133), (145, 3151), (150, 3166), (153, 3175), (154, 3178), (189, 3298), (192, 3313), (198, 3337), (199, 3340), (238, 3418), (260, 3457), (278, 3493), (289, 3514), (311, 3553), (330, 3583), (333, 3598), (349, 3643), (351, 3652), (352, 3655), (362, 3688), (373, 3721), (375, 3742), (382, 3763), (388, 3793), (423, 3826), (429, 3844), (445, 3922), (449, 3934), (450, 3937), (454, 3949), (455, 3952), (495, 4084), (496, 4087), (501, 4105), (518, 4147), (523, 4186), (525, 4198), (533, 4222), (540, 4246), (541, 4249), (543, 4258), (545, 4270), (553, 4294), (607, 4381),

Gene: Schaffner_3 Start: 2261, Stop: 3796, Start Num: 73

Candidate Starts for Schaffner_3:

(Start: 73 @2261 has 17 MA's), (Start: 129 @2381 has 2 MA's), (165, 2480), (279, 2744), (296, 2759), (393, 3017), (456, 3182), (474, 3221), (478, 3251), (486, 3275), (530, 3449), (543, 3494), (569, 3560), (597, 3608), (612, 3638), (623, 3659), (633, 3683),

Gene: Scherzo_14 Start: 9926, Stop: 11413, Start Num: 59

Candidate Starts for Scherzo_14:

(Start: 59 @9926 has 322 MA's), (101, 9989), (136, 10094), (165, 10163), (200, 10304), (213, 10343), (224, 10376), (247, 10409), (349, 10553), (359, 10589), (362, 10598), (373, 10637), (377, 10664), (379, 10670), (385, 10691), (386, 10697), (400, 10742), (417, 10766), (427, 10781), (496, 11036), (501, 11054), (510, 11084), (512, 11087), (516, 11093), (542, 11204), (544, 11210), (551, 11240), (573, 11285), (580, 11294),

Gene: Scorpia_11 Start: 7736, Stop: 9169, Start Num: 59

Candidate Starts for Scorpia_11:

(Start: 59 @7736 has 322 MA's), (131, 7865), (149, 7904), (153, 7919), (200, 8093), (209, 8120), (224, 8165), (247, 8198), (258, 8219), (299, 8279), (351, 8351), (352, 8354), (373, 8426), (379, 8459), (385, 8480), (388, 8498), (392, 8510), (483, 8771), (496, 8825), (501, 8843), (516, 8882), (544, 8999), (551, 9029), (560, 9059), (573, 9074), (581, 9083),

Gene: Scout_12 Start: 7488, Stop: 8954, Start Num: 59

Candidate Starts for Scout_12:

(Start: 59 @7488 has 322 MA's), (94, 7533), (136, 7659), (165, 7728), (169, 7743), (186, 7806), (190, 7827), (193, 7839), (197, 7857), (209, 7896), (219, 7923), (347, 8112), (373, 8202), (376, 8226), (377, 8229), (379, 8235), (385, 8256), (443, 8433), (483, 8559), (484, 8562), (496, 8613), (497, 8619), (502, 8634), (510, 8664), (544, 8790), (551, 8820), (562, 8850),

Gene: Scowl_13 Start: 9210, Stop: 10652, Start Num: 89

Candidate Starts for Scowl_13:

(Start: 50 @9144 has 1 MA's), (Start: 89 @9210 has 214 MA's), (136, 9345), (162, 9408), (224, 9621), (349, 9816), (352, 9828), (377, 9927), (398, 9999), (446, 10122), (460, 10161), (464, 10176), (483, 10239), (485, 10245), (495, 10290), (496, 10293), (499, 10305), (502, 10314), (525, 10404), (551, 10494), (562, 10527), (573, 10539),

Gene: Seabiscuit_14 Start: 8739, Stop: 10181, Start Num: 89

Candidate Starts for Seabiscuit_14:

(Start: 50 @8673 has 1 MA's), (Start: 89 @8739 has 214 MA's), (162, 8937), (224, 9150), (349, 9345), (352, 9357), (377, 9456), (398, 9528), (446, 9651), (460, 9690), (483, 9768), (485, 9774), (496, 9822), (499, 9834), (502, 9843), (516, 9876), (525, 9933), (551, 10023), (562, 10056), (573, 10068),

Gene: Seagreen_4 Start: 2200, Stop: 3621, Start Num: 78

Candidate Starts for Seagreen_4:

(Start: 78 @2200 has 61 MA's), (Start: 95 @2227 has 1 MA's), (99, 2239), (148, 2368), (153, 2386), (165, 2419), (185, 2488), (192, 2524), (197, 2545), (199, 2551), (208, 2575), (211, 2578), (253, 2653), (257, 2659), (268, 2686), (280, 2704), (301, 2746), (332, 2797), (338, 2815), (349, 2848), (351, 2857), (352, 2860), (367, 2908), (370, 2917), (375, 2947), (381, 2965), (388, 2998), (431, 3055), (449, 3139), (455, 3157), (464, 3184), (472, 3196), (474, 3199), (475, 3205), (476, 3220), (486, 3253), (518, 3358), (533, 3433), (534, 3439), (537, 3448), (540, 3457), (543, 3469), (572, 3532), (600, 3580),

Gene: Seahorse_4 Start: 2274, Stop: 3608, Start Num: 88

Candidate Starts for Seahorse_4:

(Start: 80 @2262 has 4 MA's), (Start: 88 @2274 has 31 MA's), (100, 2295), (115, 2343), (126, 2373), (130, 2382), (132, 2394), (182, 2535), (185, 2553), (194, 2595), (216, 2652), (219, 2658), (224, 2676), (271, 2757), (281, 2778), (355, 2880), (375, 2961), (379, 2973), (380, 2976), (386, 3000), (399, 3042), (440, 3147), (446, 3168), (486, 3294), (495, 3336), (498, 3348), (512, 3387), (519, 3402), (551, 3534), (552, 3537), (556, 3543), (585, 3594),

Gene: Seanderson_13 Start: 9183, Stop: 10625, Start Num: 89

Candidate Starts for Seanderson_13:

(Start: 50 @9117 has 1 MA's), (Start: 89 @9183 has 214 MA's), (162, 9381), (224, 9594), (349, 9789), (377, 9900), (446, 10095), (460, 10134), (483, 10212), (485, 10218), (496, 10266), (499, 10278), (502, 10287), (525, 10377), (551, 10467), (562, 10500), (573, 10512),

Gene: SemperFi_15 Start: 9598, Stop: 11061, Start Num: 59

Candidate Starts for SemperFi_15:

(Start: 59 @9598 has 322 MA's), (101, 9658), (136, 9763), (197, 9961), (224, 10045), (247, 10078), (327, 10189), (373, 10306), (377, 10333), (379, 10339), (385, 10360), (386, 10366), (400, 10411), (446, 10534), (496, 10705), (501, 10723), (502, 10726), (510, 10753), (516, 10762), (544, 10879), (551, 10909), (560, 10939), (580, 10963),

Gene: SenorClean_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for SenorClean_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Sephiroth_14 Start: 6593, Stop: 8089, Start Num: 40

Candidate Starts for Sephiroth_14:

(Start: 40 @6593 has 7 MA's), (63, 6635), (65, 6638), (86, 6668), (96, 6686), (101, 6704), (162, 6875), (182, 6935), (185, 6953), (228, 7061), (234, 7070), (241, 7085), (246, 7094), (265, 7136), (349, 7262), (359, 7298), (380, 7376), (418, 7466), (428, 7487), (463, 7613), (464, 7616), (476, 7652), (486, 7685), (496, 7730), (497, 7736), (511, 7778), (513, 7781), (518, 7790), (520, 7805), (525, 7841), (527, 7850), (529, 7856), (531, 7862), (537, 7883), (540, 7892), (553, 7943), (557, 7958), (562, 7964), (574, 7979),

Gene: Serenity_12 Start: 8157, Stop: 9614, Start Num: 59

Candidate Starts for Serenity_12:

(Start: 59 @8157 has 322 MA's), (Start: 72 @8178 has 15 MA's), (101, 8217), (136, 8322), (224, 8604), (247, 8637), (283, 8709), (352, 8793), (373, 8865), (377, 8892), (379, 8898), (385, 8919), (460, 9132), (491, 9237), (496, 9264), (502, 9285), (510, 9312), (516, 9321), (544, 9438), (551, 9468), (560, 9498), (580, 9522),

Gene: Severus_11 Start: 6469, Stop: 7929, Start Num: 58

Candidate Starts for Severus_11:

(Start: 58 @6469 has 296 MA's), (Start: 90 @6496 has 2 MA's), (114, 6562), (132, 6616), (136, 6628), (142, 6637), (165, 6697), (186, 6775), (193, 6808), (197, 6826), (208, 6865), (210, 6868), (247, 6946), (347, 7084), (352, 7102), (377, 7201), (379, 7207), (385, 7228), (386, 7234), (392, 7258), (411, 7309), (443, 7414), (483, 7540), (484, 7543), (496, 7594), (497, 7600), (502, 7615), (510, 7645), (516, 7654), (532, 7735), (544, 7771), (551, 7801), (577, 7852), (580, 7855),

Gene: SgtBeansprout_5 Start: 2283, Stop: 3839, Start Num: 32

Candidate Starts for SgtBeansprout_5:

(21, 2157), (22, 2178), (Start: 29 @2268 has 30 MA's), (Start: 32 @2283 has 139 MA's), (Start: 81 @2352 has 1 MA's), (Start: 89 @2367 has 214 MA's), (99, 2388), (Start: 129 @2469 has 2 MA's), (136, 2493), (150, 2526), (162, 2562), (185, 2637), (189, 2658), (192, 2673), (238, 2778), (273, 2844), (289, 2874), (320, 2928), (337, 2970), (349, 3006), (352, 3018), (362, 3051), (373, 3084), (382, 3126), (388, 3156), (423, 3189), (429, 3207), (431, 3213), (440, 3267), (445, 3285), (449, 3297), (454, 3312), (455, 3315), (469, 3348), (495, 3447), (496, 3450), (501, 3468), (518, 3510), (525, 3561), (526, 3564), (533, 3585), (540, 3609), (541, 3612), (543, 3621), (553, 3657), (557, 3672), (574, 3693),

Gene: Shadow1_7 Start: 2862, Stop: 4412, Start Num: 32

Candidate Starts for Shadow1_7:

(20, 2730), (22, 2757), (Start: 29 @2847 has 30 MA's), (Start: 32 @2862 has 139 MA's), (51, 2892), (99, 2970), (Start: 129 @3051 has 2 MA's), (136, 3075), (153, 3117), (185, 3219), (189, 3240), (192, 3255), (199, 3282), (238, 3360), (260, 3399), (289, 3456), (330, 3525), (337, 3549), (349, 3585), (352, 3597), (362, 3630), (373, 3663), (375, 3684), (382, 3705), (388, 3735), (423, 3768), (429, 3786), (449, 3876), (450, 3879), (455, 3894), (474, 3930), (475, 3936), (484, 3978), (496, 4029), (501, 4047), (525, 4140), (526, 4143), (533, 4164), (540, 4188), (541, 4191), (543, 4200),

Gene: Shaka_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Shaka_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: ShakeltOph_3 Start: 2299, Stop: 3663, Start Num: 76

Candidate Starts for ShakeltOph_3:

(Start: 76 @2299 has 57 MA's), (125, 2413), (Start: 129 @2422 has 2 MA's), (165, 2521), (370, 2962), (371, 2965), (443, 3184), (474, 3262), (527, 3481), (530, 3490),

Gene: Sham4_13 Start: 9787, Stop: 11244, Start Num: 59

Candidate Starts for Sham4_13:

(Start: 59 @9787 has 322 MA's), (97, 9832), (101, 9847), (136, 9952), (224, 10234), (247, 10267), (352, 10423), (373, 10495), (377, 10522), (379, 10528), (385, 10549), (400, 10600), (490, 10864), (496, 10894), (502, 10915), (505, 10930), (510, 10942), (516, 10951), (535, 11038), (544, 11068), (551, 11098), (560, 11128), (610, 11194),

Gene: Shaobing_9 Start: 3102, Stop: 4652, Start Num: 32

Candidate Starts for Shaobing_9:

(22, 2997), (Start: 29 @3087 has 30 MA's), (Start: 32 @3102 has 139 MA's), (99, 3204), (Start: 129 @3285 has 2 MA's), (136, 3309), (153, 3351), (185, 3453), (189, 3474), (192, 3489), (231, 3579), (238, 3594), (278, 3669), (301, 3714), (321, 3744), (330, 3759), (331, 3765), (337, 3783), (349, 3819), (352, 3831), (362, 3864), (373, 3897), (375, 3918), (380, 3933), (382, 3939), (388, 3969), (423, 4002), (429, 4020), (445, 4098), (449, 4110), (450, 4113), (454, 4125), (455, 4128), (474, 4164), (495, 4260), (496, 4263), (501, 4281), (518, 4323), (525, 4374), (533, 4398), (540, 4422), (541, 4425), (543, 4434), (564, 4494), (591, 4530), (607, 4557),

Gene: Shapes_15 Start: 8443, Stop: 9888, Start Num: 58

Candidate Starts for Shapes_15:

(Start: 58 @8443 has 296 MA's), (Start: 71 @8455 has 5 MA's), (136, 8602), (186, 8749), (193, 8782), (197, 8800), (199, 8806), (208, 8839), (247, 8920), (252, 8932), (347, 9058), (352, 9076), (373, 9148), (376, 9172), (377, 9175), (379, 9181), (385, 9202), (443, 9382), (483, 9508), (484, 9511), (496, 9562), (497, 9568), (502, 9583), (510, 9613), (516, 9622), (532, 9703), (544, 9739), (551, 9769), (577, 9820), (580, 9823),

Gene: ShayRa_16 Start: 8502, Stop: 9962, Start Num: 59

Candidate Starts for ShayRa_16:

(Start: 59 @8502 has 322 MA's), (101, 8562), (136, 8667), (163, 8733), (213, 8916), (224, 8949), (247, 8982), (373, 9213), (377, 9240), (379, 9246), (385, 9267), (389, 9288), (400, 9318), (417, 9342), (443, 9432), (453, 9462), (483, 9558), (491, 9585), (496, 9612), (501, 9630), (502, 9633), (510, 9666), (516, 9675), (544, 9792), (551, 9822), (580, 9876),

Gene: SheaKeira_13 Start: 8094, Stop: 9584, Start Num: 59

Candidate Starts for SheaKeira_13:

(Start: 59 @8094 has 322 MA's), (101, 8154), (136, 8259), (169, 8343), (179, 8373), (200, 8469), (224, 8541), (349, 8718), (359, 8754), (362, 8763), (373, 8802), (376, 8826), (377, 8829), (379, 8835), (384, 8853), (385, 8856), (400, 8907), (496, 9201), (501, 9219), (510, 9249), (516, 9258), (535, 9345), (542, 9369), (544, 9375), (551, 9405), (573, 9450), (580, 9459), (625, 9546),

Gene: ShedlockHolmes_8 Start: 2923, Stop: 4488, Start Num: 32

Candidate Starts for ShedlockHolmes_8:

(24, 2890), (Start: 32 @2923 has 139 MA's), (96, 3028), (99, 3037), (107, 3052), (136, 3142), (150, 3175), (154, 3187), (165, 3217), (185, 3286), (192, 3322), (199, 3349), (224, 3400), (231, 3409), (238, 3424), (278, 3499), (284, 3514), (289, 3520), (294, 3529), (301, 3544), (331, 3595), (352, 3661), (362, 3694), (365, 3700), (373, 3727), (375, 3748), (382, 3769), (423, 3832), (429, 3850), (445, 3928), (449, 3940), (450, 3943), (455, 3958), (482, 4039), (484, 4045), (495, 4093), (501, 4114), (533, 4231), (541, 4258), (543, 4267), (553, 4303),

Gene: Sheen_14 Start: 10056, Stop: 11552, Start Num: 58

Candidate Starts for Sheen_14:

(Start: 58 @10056 has 296 MA's), (136, 10221), (179, 10371), (193, 10437), (219, 10521), (229, 10545), (247, 10572), (256, 10590), (299, 10653), (344, 10701), (347, 10713), (351, 10728), (352, 10731), (373, 10803), (377, 10830), (379, 10836), (385, 10857), (389, 10878), (392, 10887), (411, 10935), (443, 11040), (483, 11166), (484, 11169), (496, 11220), (497, 11226), (502, 11241), (526, 11340), (532, 11361), (535, 11367), (544, 11397), (551, 11427), (560, 11457), (562, 11460), (577, 11478),

Gene: SheldonCooper_12 Start: 8556, Stop: 10007, Start Num: 58

Candidate Starts for SheldonCooper_12:

(Start: 58 @8556 has 296 MA's), (136, 8715), (190, 8883), (197, 8913), (209, 8952), (215, 8970), (247, 9030), (344, 9159), (349, 9177), (377, 9288), (379, 9294), (385, 9315), (386, 9321), (411, 9390), (435, 9450), (483, 9621), (484, 9624), (496, 9675), (497, 9681), (502, 9696), (510, 9726), (532, 9816), (544, 9852), (546, 9864), (551, 9882), (562, 9912),

Gene: Sheng711_5 Start: 2334, Stop: 3971, Start Num: 62

Candidate Starts for Sheng711_5:

(Start: 62 @2334 has 9 MA's), (107, 2409), (153, 2538), (154, 2541), (165, 2571), (185, 2643), (192, 2679), (202, 2718), (291, 2850), (322, 2889), (339, 2922), (347, 2946), (349, 2952), (355, 2973), (356, 2979), (357, 2982), (365, 3003), (380, 3066), (381, 3069), (424, 3171), (430, 3192), (460, 3300), (461, 3306), (490, 3399), (495, 3426), (518, 3489), (524, 3531), (530, 3558), (533, 3567), (549, 3627), (557, 3657), (564, 3666), (570, 3672), (621, 3762), (626, 3774), (648, 3852),

Gene: ShiaSurprise_9 Start: 3055, Stop: 4623, Start Num: 29

Candidate Starts for ShiaSurprise_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: ShortQueendom_11 Start: 8325, Stop: 9767, Start Num: 89

Candidate Starts for ShortQueendom_11:

(Start: 50 @8259 has 1 MA's), (Start: 89 @8325 has 214 MA's), (162, 8523), (224, 8736), (349, 8931), (352, 8943), (377, 9042), (446, 9237), (460, 9276), (483, 9354), (485, 9360), (496, 9408), (499, 9420), (502, 9429), (525, 9519), (551, 9609), (562, 9642), (573, 9654),

Gene: Shukran_4 Start: 2274, Stop: 3611, Start Num: 88

Candidate Starts for Shukran_4:

(Start: 80 @2262 has 4 MA's), (Start: 88 @2274 has 31 MA's), (130, 2385), (132, 2397), (216, 2655), (224, 2679), (281, 2781), (345, 2847), (347, 2856), (355, 2883), (375, 2964), (379, 2976), (380, 2979), (386, 3003), (399, 3045), (446, 3171), (464, 3225), (483, 3288), (495, 3339), (512, 3390), (522, 3432), (526, 3456), (551, 3537), (556, 3546), (585, 3597),

Gene: Shuman_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for Shuman_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Shygu2_12 Start: 8581, Stop: 10032, Start Num: 58

Candidate Starts for Shygu2_12:

(Start: 58 @8581 has 296 MA's), (132, 8731), (136, 8743), (186, 8890), (190, 8911), (197, 8941), (209, 8980), (215, 8998), (219, 9007), (247, 9058), (344, 9187), (349, 9205), (362, 9250), (377, 9316), (379, 9322), (385, 9343), (386, 9349), (411, 9418), (435, 9478), (443, 9523), (483, 9649), (484, 9652), (496, 9703), (497, 9709), (501, 9721), (502, 9724), (510, 9751), (535, 9847), (544, 9877), (551, 9907), (562, 9937),

Gene: Sibs6_14 Start: 8958, Stop: 10400, Start Num: 89

Candidate Starts for Sibs6_14:

(Start: 50 @8892 has 1 MA's), (Start: 89 @8958 has 214 MA's), (162, 9156), (224, 9369), (349, 9564), (350, 9567), (377, 9675), (398, 9747), (446, 9870), (460, 9909), (483, 9987), (485, 9993), (496, 10041), (499, 10053), (502, 10062), (525, 10152), (551, 10242), (562, 10275), (573, 10287),

Gene: Silverleaf_5 Start: 2625, Stop: 4298, Start Num: 61

Candidate Starts for Silverleaf_5:

(Start: 61 @2625 has 69 MA's), (101, 2688), (116, 2742), (127, 2766), (154, 2835), (162, 2859), (185, 2937), (192, 2973), (241, 3066), (244, 3069), (291, 3144), (322, 3183), (349, 3246), (356, 3273), (357, 3276), (365, 3297), (371, 3318), (380, 3360), (381, 3363), (424, 3465), (428, 3480), (430, 3486), (450, 3567), (460, 3594), (461, 3600), (490, 3693), (495, 3720), (497, 3729), (518, 3783), (521, 3804), (524, 3825), (530, 3852), (533, 3861), (549, 3921), (557, 3951), (564, 3960), (626, 4068), (653, 4263),

Gene: Simpson_3 Start: 2269, Stop: 3645, Start Num: 76

Candidate Starts for Simpson_3:

(Start: 76 @2269 has 57 MA's), (Start: 129 @2389 has 2 MA's), (165, 2488), (175, 2527), (279, 2752), (342, 2845), (393, 3025), (456, 3193), (474, 3232), (478, 3262), (486, 3286), (530, 3460), (533, 3469), (575, 3580),

Gene: SimranZ1_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for SimranZ1_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: SirPhilip_8 Start: 2803, Stop: 4356, Start Num: 29

Candidate Starts for SirPhilip_8:

(20, 2686), (22, 2713), (Start: 29 @2803 has 30 MA's), (Start: 32 @2818 has 139 MA's), (Start: 81 @2884 has 1 MA's), (99, 2920), (116, 2974), (136, 3025), (150, 3058), (153, 3067), (185, 3169), (189, 3190), (192, 3205), (197, 3226), (199, 3232), (238, 3310), (260, 3349), (289, 3406), (310, 3442), (330, 3475), (337, 3499), (349, 3535), (352, 3547), (362, 3580), (373, 3613), (375, 3634), (382, 3655), (388, 3685), (423, 3718), (429, 3736), (445, 3814), (449, 3826), (454, 3841), (455, 3844), (464, 3871), (484, 3928), (496, 3979), (501, 3997), (525, 4090), (533, 4114), (541, 4141), (543, 4150), (553, 4186),

Gene: Skelbel_3 Start: 2266, Stop: 3642, Start Num: 76

Candidate Starts for Skelbel_3:

(Start: 76 @2266 has 57 MA's), (Start: 129 @2386 has 2 MA's), (165, 2485), (279, 2749), (393, 3022), (453, 3181), (474, 3229), (478, 3259), (486, 3283), (530, 3457), (575, 3577),

Gene: SkiPole_14 Start: 8832, Stop: 10274, Start Num: 89

Candidate Starts for SkiPole_14:

(Start: 50 @8766 has 1 MA's), (Start: 89 @8832 has 214 MA's), (162, 9030), (224, 9243), (349, 9438), (352, 9450), (377, 9549), (446, 9744), (460, 9783), (483, 9861), (485, 9867), (496, 9915), (499, 9927), (502, 9936), (516, 9969), (525, 10026), (551, 10116), (562, 10149), (573, 10161),

Gene: Skinny_16 Start: 6259, Stop: 7881, Start Num: 35

Candidate Starts for Skinny_16:

(Start: 35 @6259 has 23 MA's), (43, 6274), (105, 6382), (110, 6400), (125, 6448), (138, 6481), (145, 6493), (153, 6517), (162, 6544), (165, 6550), (185, 6622), (186, 6628), (192, 6658), (222, 6739), (225, 6745), (228, 6748), (237, 6766), (340, 6922), (349, 6940), (352, 6952), (367, 7000), (381, 7057), (382, 7060), (405, 7129), (434, 7183), (440, 7219), (456, 7270), (458, 7273), (472, 7303), (475, 7312), (491, 7378), (492, 7381), (495, 7402), (496, 7405), (513, 7456), (533, 7543), (574, 7654), (593, 7684), (611, 7720), (614, 7726), (621, 7741), (626, 7753), (647, 7837),

Gene: Skipitt_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Skipitt_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (495, 9694), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Sknot_13 Start: 9268, Stop: 10728, Start Num: 59

Candidate Starts for Sknot_13:

(Start: 59 @9268 has 322 MA's), (101, 9328), (132, 9421), (136, 9433), (224, 9715), (247, 9748), (350, 9895), (352, 9904), (373, 9976), (377, 10003), (379, 10009), (385, 10030), (453, 10225), (464, 10258), (496, 10375), (502, 10396), (510, 10423), (516, 10432), (544, 10549), (551, 10579), (560, 10609), (580, 10633),

Gene: Slagathor_13 Start: 8610, Stop: 10052, Start Num: 89

Candidate Starts for Slagathor_13:

(Start: 50 @8544 has 1 MA's), (Start: 89 @8610 has 214 MA's), (162, 8808), (224, 9021), (349, 9216), (352, 9228), (377, 9327), (398, 9399), (446, 9522), (460, 9561), (483, 9639), (485, 9645), (496, 9693), (499, 9705), (502, 9714), (525, 9804), (551, 9894), (562, 9927), (573, 9939),

Gene: Slarp_10 Start: 3932, Stop: 5518, Start Num: 30

Candidate Starts for Slarp_10:

(Start: 29 @3917 has 30 MA's), (Start: 30 @3932 has 28 MA's), (Start: 39 @3956 has 1 MA's), (Start: 81 @4022 has 1 MA's), (105, 4067), (Start: 129 @4139 has 2 MA's), (150, 4196), (153, 4205), (154, 4208), (165, 4238), (185, 4307), (189, 4328), (197, 4364), (199, 4370), (208, 4394), (231, 4430), (238, 4445), (260, 4484), (333, 4619), (337, 4628), (345, 4646), (351, 4673), (352, 4676), (362, 4709), (373, 4742), (375, 4763), (382, 4784), (423, 4847), (431, 4871), (436, 4895), (445, 4943), (449, 4955), (453, 4967), (455, 4973), (472, 5012), (499, 5126), (501, 5132), (533, 5303), (541, 5330), (543, 5339), (567, 5402), (576, 5414),

Gene: Sleepyhead_3 Start: 1933, Stop: 3366, Start Num: 85

Candidate Starts for Sleepyhead_3:

(Start: 82 @1927 has 8 MA's), (Start: 85 @1933 has 6 MA's), (91, 1945), (132, 2056), (145, 2086), (193, 2254), (197, 2272), (199, 2278), (276, 2416), (360, 2554), (365, 2566), (375, 2614), (381, 2632), (403, 2719), (416, 2773), (435, 2830), (440, 2863), (448, 2890), (450, 2896), (476, 2974), (496, 3052), (497, 3058), (527, 3169), (528, 3172), (534, 3190), (536, 3196), (541, 3211), (588, 3325), (592, 3331),

Gene: Slim_4 Start: 2200, Stop: 3621, Start Num: 78

Candidate Starts for Slim_4:

(Start: 78 @2200 has 61 MA's), (Start: 95 @2227 has 1 MA's), (99, 2239), (148, 2368), (153, 2386), (165, 2419), (185, 2488), (192, 2524), (197, 2545), (199, 2551), (208, 2575), (211, 2578), (253, 2653), (257, 2659), (268, 2686), (280, 2704), (301, 2746), (332, 2797), (338, 2815), (349, 2848), (351, 2857), (352, 2860), (367, 2908), (370, 2917), (375, 2947), (381, 2965), (388, 2998), (431, 3055), (449, 3139), (455, 3157), (464, 3184), (472, 3196), (474, 3199), (475, 3205), (476, 3220), (486, 3253), (496, 3298), (518, 3358), (533, 3433), (534, 3439), (537, 3448), (540, 3457), (543, 3469), (572, 3532), (600, 3580),

Gene: SlimJimmy_14 Start: 6259, Stop: 7881, Start Num: 35

Candidate Starts for SlimJimmy_14:

(Start: 35 @6259 has 23 MA's), (43, 6274), (105, 6382), (110, 6400), (125, 6448), (138, 6481), (145, 6493), (153, 6517), (162, 6544), (165, 6550), (185, 6622), (186, 6628), (192, 6658), (222, 6739), (225, 6745), (228, 6748), (237, 6766), (340, 6922), (349, 6940), (352, 6952), (367, 7000), (381, 7057), (382, 7060), (405, 7129), (434, 7183), (440, 7219), (456, 7270), (458, 7273), (472, 7303), (475, 7312), (491, 7378), (492, 7381), (495, 7402), (496, 7405), (513, 7456), (533, 7543), (574, 7654), (593, 7684), (611, 7720), (614, 7726), (621, 7741), (626, 7753), (647, 7837),

Gene: Slimphazie_9 Start: 3020, Stop: 4579, Start Num: 32

Candidate Starts for Slimphazie_9:

(22, 2918), (Start: 29 @3005 has 30 MA's), (Start: 32 @3020 has 139 MA's), (96, 3122), (99, 3131), (125, 3203), (Start: 129 @3212 has 2 MA's), (136, 3236), (150, 3269), (153, 3278), (165, 3311), (170, 3329), (185, 3380), (189, 3401), (199, 3443), (231, 3509), (238, 3524), (278, 3599), (289, 3620), (321, 3674), (362, 3794), (373, 3827), (375, 3848), (382, 3869), (388, 3899), (423, 3932), (429, 3950), (445, 4028), (449, 4040), (450, 4043), (454, 4055), (455, 4058), (474, 4094), (484, 4142), (496, 4193), (501, 4211), (526, 4307), (533, 4328), (541, 4355), (543, 4364), (553, 4400),

Gene: Smairt_13 Start: 9129, Stop: 10571, Start Num: 89

Candidate Starts for Smairt_13:

(Start: 50 @9063 has 1 MA's), (Start: 89 @9129 has 214 MA's), (162, 9327), (224, 9540), (349, 9735), (377, 9846), (446, 10041), (460, 10080), (483, 10158), (485, 10164), (496, 10212), (499, 10224), (502, 10233), (525, 10323), (551, 10413), (562, 10446), (573, 10458),

Gene: Smeadley_10 Start: 7455, Stop: 8885, Start Num: 59

Candidate Starts for Smeadley_10:

(Start: 59 @7455 has 322 MA's), (135, 7605), (224, 7887), (299, 7998), (349, 8061), (362, 8106), (377, 8172), (385, 8199), (443, 8364), (476, 8466), (496, 8544), (497, 8550), (516, 8601), (544, 8718), (551, 8748), (581, 8802),

Gene: Smeagan_15 Start: 9670, Stop: 11130, Start Num: 59

Candidate Starts for Smeagan_15:

(Start: 59 @9670 has 322 MA's), (101, 9730), (136, 9835), (197, 10033), (224, 10117), (247, 10150), (349, 10294), (373, 10378), (377, 10405), (379, 10411), (385, 10432), (386, 10438), (400, 10483), (496, 10777), (501, 10795), (502, 10798), (510, 10825), (516, 10834), (544, 10951), (551, 10981), (560, 11011), (580, 11035),

Gene: Smeagol_13 Start: 9550, Stop: 10986, Start Num: 89

Candidate Starts for Smeagol_13:

(Start: 50 @9484 has 1 MA's), (Start: 89 @9550 has 214 MA's), (162, 9748), (224, 9961), (349, 10156), (352, 10168), (377, 10267), (446, 10462), (460, 10501), (483, 10579), (485, 10585), (496, 10633), (499, 10645), (502, 10654), (525, 10744), (551, 10834), (562, 10867), (604, 10927),

Gene: SmellyB_16 Start: 9284, Stop: 10747, Start Num: 59

Candidate Starts for SmellyB_16:

(Start: 59 @9284 has 322 MA's), (Start: 72 @9305 has 15 MA's), (101, 9344), (131, 9431), (133, 9443), (136, 9449), (224, 9731), (358, 9944), (373, 9995), (377, 10022), (379, 10028), (385, 10049), (502, 10415), (510, 10442), (516, 10451), (526, 10511), (544, 10568), (551, 10598), (560, 10628), (582, 10655),

Gene: SnapTap_13 Start: 9170, Stop: 10633, Start Num: 59

Candidate Starts for SnapTap_13:

(Start: 59 @9170 has 322 MA's), (101, 9230), (136, 9335), (197, 9533), (224, 9617), (247, 9650), (327, 9761), (373, 9878), (377, 9905), (379, 9911), (385, 9932), (386, 9938), (400, 9983), (446, 10106), (496, 10277), (501, 10295), (502, 10298), (510, 10325), (516, 10334), (544, 10451), (551, 10481), (560, 10511),

Gene: Snape_13 Start: 9787, Stop: 11244, Start Num: 59

Candidate Starts for Snape_13:

(Start: 59 @9787 has 322 MA's), (97, 9832), (101, 9847), (136, 9952), (224, 10234), (247, 10267), (352, 10423), (373, 10495), (377, 10522), (379, 10528), (385, 10549), (400, 10600), (490, 10864), (496, 10894), (502, 10915), (505, 10930), (510, 10942), (516, 10951), (535, 11038), (544, 11068), (551, 11098), (560, 11128), (610, 11194),

Gene: Snazzy_10 Start: 8139, Stop: 9581, Start Num: 89

Candidate Starts for Snazzy_10:

(Start: 50 @8073 has 1 MA's), (Start: 89 @8139 has 214 MA's), (162, 8337), (224, 8550), (349, 8745), (352, 8757), (377, 8856), (398, 8928), (446, 9051), (460, 9090), (483, 9168), (485, 9174), (496, 9222), (499, 9234), (502, 9243), (525, 9333), (551, 9423), (562, 9456), (573, 9468),

Gene: Snek_4 Start: 3136, Stop: 4500, Start Num: 72

Candidate Starts for Snek_4:

(Start: 72 @3136 has 15 MA's), (115, 3217), (Start: 129 @3256 has 2 MA's), (174, 3391), (197, 3481), (208, 3517), (228, 3526), (338, 3703), (342, 3712), (443, 4018), (474, 4096), (478, 4126), (522, 4285), (527, 4315), (530, 4324),

Gene: Snenia_6 Start: 2756, Stop: 4399, Start Num: 61

Candidate Starts for Snenia_6:

(Start: 61 @2756 has 69 MA's), (99, 2816), (154, 2966), (165, 2996), (185, 3068), (200, 3134), (234, 3182), (291, 3275), (322, 3314), (356, 3404), (359, 3413), (365, 3428), (430, 3617), (439, 3650), (447, 3689), (461, 3731), (518, 3914), (524, 3956), (530, 3983), (533, 3992), (549, 4052), (557, 4082), (564, 4091), (611, 4166), (626, 4199),

Gene: Snickers_14 Start: 8628, Stop: 10082, Start Num: 58

Candidate Starts for Snickers_14:

(Start: 58 @8628 has 296 MA's), (Start: 90 @8658 has 2 MA's), (101, 8685), (136, 8790), (179, 8904), (193, 8970), (209, 9027), (247, 9105), (248, 9108), (349, 9249), (377, 9360), (379, 9366), (385, 9387), (443, 9552), (483, 9678), (496, 9732), (497, 9738), (502, 9753), (516, 9789), (535, 9876), (544, 9906), (551, 9936), (573, 9981), (581, 9990),

Gene: Snorlax_7 Start: 4055, Stop: 5491, Start Num: 83

Candidate Starts for Snorlax_7:

(Start: 72 @4049 has 15 MA's), (Start: 83 @4055 has 105 MA's), (96, 4079), (106, 4103), (Start: 129 @4172 has 2 MA's), (148, 4220), (151, 4232), (165, 4271), (200, 4424), (269, 4538), (298, 4580), (312, 4607), (334, 4640), (337, 4646), (366, 4736), (370, 4748), (387, 4823), (392, 4841), (426, 4919), (436, 4964), (448, 5021), (513, 5234), (520, 5258), (551, 5390), (590, 5456), (611, 5477),

Gene: SoJulia_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for SoJulia_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: SoSeph_7 Start: 2788, Stop: 4323, Start Num: 32

Candidate Starts for SoSeph_7:

(Start: 32 @2788 has 139 MA's), (Start: 81 @2860 has 1 MA's), (99, 2896), (105, 2905), (116, 2950), (150, 3034), (154, 3046), (165, 3076), (170, 3094), (185, 3145), (192, 3181), (199, 3208), (224, 3259), (227, 3262), (231, 3268), (238, 3283), (240, 3286), (278, 3358), (289, 3379), (305, 3409), (331, 3454), (349, 3508), (362, 3553), (373, 3586), (375, 3607), (380, 3622), (381, 3625), (382, 3628), (423, 3691), (429, 3709), (431, 3715), (445, 3787), (449, 3799), (450, 3802), (455, 3817), (475, 3862), (476, 3877), (482, 3898), (495, 3952), (496, 3955), (501, 3973), (505, 3988), (523, 4054), (526, 4069), (533, 4090), (543, 4126), (553, 4162), (607, 4249),

Gene: SoYo_14 Start: 8565, Stop: 10019, Start Num: 58

Candidate Starts for SoYo_14:

(Start: 58 @8565 has 296 MA's), (Start: 90 @8595 has 2 MA's), (101, 8622), (136, 8727), (179, 8841), (193, 8907), (209, 8964), (247, 9042), (248, 9045), (349, 9186), (377, 9297), (379, 9303), (385, 9324), (443, 9489), (483, 9615), (496, 9669), (497, 9675), (502, 9690), (516, 9726), (535, 9813), (544, 9843), (551, 9873), (573, 9918), (581, 9927),

Gene: Soap141_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Soap141_5:

(Start: 61 @2638 has 69 MA's), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: SoilDragon_14 Start: 8339, Stop: 9793, Start Num: 58

Candidate Starts for SoilDragon_14:

(Start: 58 @8339 has 296 MA's), (Start: 90 @8369 has 2 MA's), (101, 8396), (136, 8501), (179, 8615), (193, 8681), (209, 8738), (247, 8816), (248, 8819), (349, 8960), (377, 9071), (379, 9077), (385, 9098), (443, 9263), (483, 9389), (496, 9443), (497, 9449), (502, 9464), (516, 9500), (535, 9587), (544, 9617), (551, 9647), (573, 9692), (581, 9701),

Gene: Solon_12 Start: 9291, Stop: 10733, Start Num: 89

Candidate Starts for Solon_12:

(Start: 50 @9225 has 1 MA's), (Start: 89 @9291 has 214 MA's), (162, 9489), (224, 9702), (349, 9897), (352, 9909), (377, 10008), (398, 10080), (446, 10203), (460, 10242), (483, 10320), (485, 10326), (496, 10374), (499, 10386), (502, 10395), (525, 10485), (551, 10575), (562, 10608), (573, 10620),

Gene: SonDevVon_3 Start: 2275, Stop: 3606, Start Num: 88

Candidate Starts for SonDevVon_3:

(Start: 80 @2263 has 4 MA's), (Start: 88 @2275 has 31 MA's), (94, 2284), (130, 2386), (132, 2398), (182, 2539), (190, 2584), (194, 2599), (199, 2620), (219, 2656), (224, 2674), (271, 2755), (300, 2800), (355, 2878), (375, 2959), (379, 2971), (380, 2974), (386, 2998), (399, 3040), (441, 3151), (446, 3166), (457, 3196), (486, 3292), (551, 3532), (552, 3535), (556, 3541), (585, 3592),

Gene: Soondubu_3 Start: 2296, Stop: 3684, Start Num: 76

Candidate Starts for Soondubu_3:

(Start: 76 @2296 has 57 MA's), (Start: 129 @2419 has 2 MA's), (199, 2650), (228, 2689), (418, 3085), (478, 3289), (522, 3448), (527, 3478), (530, 3487), (552, 3565),

Gene: Sooty_3 Start: 2306, Stop: 3871, Start Num: 72

Candidate Starts for Sooty_3:

(Start: 72 @2306 has 15 MA's), (Start: 129 @2432 has 2 MA's), (197, 2657), (208, 2693), (228, 2702), (279, 2795), (300, 2819), (349, 2924), (460, 3257), (464, 3272), (465, 3275), (530, 3515), (608, 3689), (645, 3803), (649, 3836),

Gene: SororFago_12 Start: 8293, Stop: 9759, Start Num: 59

Candidate Starts for SororFago_12:

(Start: 59 @8293 has 322 MA's), (101, 8353), (136, 8458), (165, 8527), (200, 8668), (224, 8740), (279, 8833), (282, 8842), (350, 8920), (373, 9001), (377, 9028), (379, 9034), (384, 9052), (385, 9055), (389, 9076), (400, 9106), (415, 9127), (427, 9145), (440, 9208), (460, 9268), (496, 9400), (501, 9418), (510, 9448), (516, 9457), (526, 9517), (544, 9574), (551, 9604), (560, 9634), (580, 9658),

Gene: Sorpresa_12 Start: 8657, Stop: 10099, Start Num: 89

Candidate Starts for Sorpresa_12:

(Start: 50 @8591 has 1 MA's), (Start: 89 @8657 has 214 MA's), (162, 8855), (224, 9068), (349, 9263), (352, 9275), (377, 9374), (446, 9569), (460, 9608), (483, 9686), (485, 9692), (496, 9740), (499, 9752), (502, 9761), (525, 9851), (551, 9941), (562, 9974), (573, 9986),

Gene: Soshari_16 Start: 8737, Stop: 10191, Start Num: 58

Candidate Starts for Soshari_16:

(Start: 58 @8737 has 296 MA's), (Start: 90 @8767 has 2 MA's), (101, 8794), (136, 8899), (179, 9013), (193, 9079), (209, 9136), (247, 9214), (248, 9217), (349, 9358), (377, 9469), (379, 9475), (385, 9496), (443, 9661), (483, 9787), (496, 9841), (497, 9847), (502, 9862), (516, 9898), (535, 9985), (544, 10015), (551, 10045), (573, 10090), (581, 10099),

Gene: Soups_15 Start: 8502, Stop: 9962, Start Num: 59

Candidate Starts for Soups_15:

(Start: 59 @8502 has 322 MA's), (101, 8562), (136, 8667), (163, 8733), (213, 8916), (224, 8949), (247, 8982), (373, 9213), (377, 9240), (379, 9246), (385, 9267), (389, 9288), (400, 9318), (417, 9342), (453, 9462), (483, 9558), (491, 9585), (496, 9612), (501, 9630), (502, 9633), (510, 9666), (516, 9675), (544, 9792), (551, 9822), (580, 9876),

Gene: South40_8 Start: 4327, Stop: 5763, Start Num: 83

Candidate Starts for South40_8:

(70, 4318), (Start: 72 @4321 has 15 MA's), (Start: 83 @4327 has 105 MA's), (96, 4351), (106, 4375), (Start: 129 @4444 has 2 MA's), (148, 4492), (155, 4516), (165, 4543), (200, 4696), (269, 4810), (298, 4852), (304, 4864), (312, 4879), (337, 4918), (366, 5008), (370, 5020), (392, 5113), (426, 5191), (436, 5236), (448, 5293), (520, 5530), (611, 5749),

Gene: Sparky_3 Start: 2308, Stop: 3759, Start Num: 72

Candidate Starts for Sparky_3:

(70, 2305), (Start: 72 @2308 has 15 MA's), (Start: 78 @2314 has 61 MA's), (99, 2353), (119, 2419), (148, 2482), (154, 2503), (159, 2518), (165, 2533), (192, 2638), (198, 2662), (289, 2836), (294, 2845), (335, 2935), (345, 2956), (351, 2983), (352, 2986), (381, 3091), (421, 3160), (436, 3205), (465, 3313), (472, 3322), (476, 3346), (488, 3388), (496, 3424), (501, 3442), (523, 3523), (538, 3586), (545, 3616), (584, 3679),

Gene: Sparxx_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Sparxx_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: SpecialK_3 Start: 2307, Stop: 3875, Start Num: 73

Candidate Starts for SpecialK_3:

(Start: 73 @2307 has 17 MA's), (Start: 129 @2433 has 2 MA's), (197, 2658), (208, 2694), (228, 2703), (237, 2721), (279, 2796), (300, 2820), (349, 2925), (450, 3231), (453, 3240), (460, 3258), (464, 3273), (465, 3276), (530, 3516), (608, 3690),

Gene: Speedwell_8 Start: 4147, Stop: 5580, Start Num: 83

Candidate Starts for Speedwell_8:

(Start: 83 @4147 has 105 MA's), (Start: 129 @4264 has 2 MA's), (148, 4312), (151, 4324), (312, 4699), (334, 4732), (337, 4738), (370, 4837), (387, 4912), (392, 4930), (409, 4969), (426, 5005), (436, 5050), (448, 5107), (504, 5299), (520, 5344), (551, 5476),

Gene: SpicyFrank_4 Start: 2275, Stop: 3612, Start Num: 88

Candidate Starts for SpicyFrank_4:

(27, 2152), (28, 2155), (38, 2194), (41, 2197), (47, 2209), (Start: 80 @2263 has 4 MA's), (Start: 88 @2275 has 31 MA's), (108, 2323), (130, 2386), (132, 2398), (216, 2656), (247, 2713), (279, 2776), (318, 2821), (345, 2848), (347, 2857), (355, 2884), (375, 2965), (379, 2977), (380, 2980), (386, 3004), (399, 3046), (441, 3157), (446, 3172), (464, 3226), (483, 3289), (495, 3340), (498, 3352), (512, 3391), (526, 3457), (551, 3538), (556, 3547), (585, 3598),

Gene: Spike509_14 Start: 8738, Stop: 10192, Start Num: 58

Candidate Starts for Spike509_14:

(Start: 58 @8738 has 296 MA's), (Start: 90 @8768 has 2 MA's), (101, 8795), (136, 8900), (179, 9014), (193, 9080), (209, 9137), (247, 9215), (248, 9218), (349, 9359), (377, 9470), (379, 9476), (385, 9497), (443, 9662), (483, 9788), (496, 9842), (497, 9848), (502, 9863), (516, 9899), (535, 9986), (544, 10016), (551, 10046), (573, 10091), (581, 10100),

Gene: SpikeBT_14 Start: 9594, Stop: 11036, Start Num: 89

Candidate Starts for SpikeBT_14:

(Start: 50 @9528 has 1 MA's), (Start: 89 @9594 has 214 MA's), (162, 9792), (224, 10005), (349, 10200), (350, 10203), (352, 10212), (377, 10311), (446, 10506), (460, 10545), (483, 10623), (485, 10629), (496, 10677), (499, 10689), (502, 10698), (525, 10788), (551, 10878), (562, 10911), (573, 10923),

Gene: Spikelee_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Spikelee_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856),

(352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Spino_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Spino_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Spock_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for Spock_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: Spooks_50 Start: 28254, Stop: 29678, Start Num: 66

Candidate Starts for Spooks_50:

(Start: 66 @28254 has 4 MA's), (99, 28302), (126, 28386), (155, 28467), (162, 28488), (169, 28509), (192, 28602), (199, 28629), (227, 28686), (369, 28923), (376, 28959), (381, 28974), (391, 29010), (431, 29082), (436, 29106), (443, 29148), (448, 29163), (453, 29178), (466, 29217), (489, 29295), (490, 29298), (496, 29328), (502, 29349), (524, 29427), (529, 29451), (551, 29526), (557, 29553), (563, 29559),

Gene: Sporco_5 Start: 2275, Stop: 3612, Start Num: 88

Candidate Starts for Sporco_5:

(27, 2152), (28, 2155), (41, 2197), (42, 2203), (47, 2209), (Start: 80 @2263 has 4 MA's), (Start: 88 @2275 has 31 MA's), (108, 2323), (130, 2386), (132, 2398), (185, 2557), (216, 2656), (247, 2713), (271, 2761), (279, 2776), (318, 2821), (345, 2848), (347, 2857), (355, 2884), (375, 2965), (379, 2977), (380, 2980), (386, 3004), (399, 3046), (446, 3172), (464, 3226), (483, 3289), (486, 3298), (495, 3340), (498, 3352), (512, 3391), (526, 3457), (551, 3538), (556, 3547), (585, 3598),

Gene: Spouty_14 Start: 9923, Stop: 11410, Start Num: 59

Candidate Starts for Spouty_14:

(Start: 59 @9923 has 322 MA's), (101, 9986), (136, 10091), (165, 10160), (200, 10301), (224, 10373), (258, 10427), (349, 10550), (359, 10586), (362, 10595), (373, 10634), (377, 10661), (379, 10667), (385, 10688), (400, 10739), (427, 10778), (496, 11033), (501, 11051), (510, 11081), (512, 11084), (516, 11090), (542, 11201), (544, 11207), (551, 11237), (573, 11282), (580, 11291),

Gene: SqueakyClean_8 Start: 4130, Stop: 5617, Start Num: 83

Candidate Starts for SqueakyClean_8:

(Start: 83 @4130 has 105 MA's), (Start: 129 @4247 has 2 MA's), (165, 4346), (172, 4400), (185, 4439), (298, 4652), (370, 4820), (387, 4895), (389, 4904), (392, 4913), (399, 4931), (401, 4937), (436, 5078), (446, 5129), (448, 5135), (520, 5372), (543, 5471), (551, 5504), (611, 5603),

Gene: Squee_13 Start: 9135, Stop: 10577, Start Num: 89

Candidate Starts for Squee_13:

(Start: 50 @9069 has 1 MA's), (Start: 89 @9135 has 214 MA's), (162, 9333), (224, 9546), (349, 9741), (350, 9744), (352, 9753), (377, 9852), (446, 10047), (460, 10086), (483, 10164), (485, 10170), (496,

10218), (499, 10230), (502, 10239), (516, 10272), (525, 10329), (551, 10419), (562, 10452), (573, 10464),

Gene: Squirty_4 Start: 2198, Stop: 3619, Start Num: 78

Candidate Starts for Squirty_4:

(Start: 78 @2198 has 61 MA's), (Start: 95 @2225 has 1 MA's), (99, 2237), (148, 2366), (153, 2384), (165, 2417), (185, 2486), (192, 2522), (197, 2543), (199, 2549), (208, 2573), (211, 2576), (253, 2651), (257, 2657), (268, 2684), (280, 2702), (301, 2744), (332, 2795), (338, 2813), (349, 2846), (351, 2855), (367, 2906), (370, 2915), (375, 2945), (381, 2963), (388, 2996), (431, 3053), (449, 3137), (455, 3155), (464, 3182), (472, 3194), (474, 3197), (475, 3203), (476, 3218), (486, 3251), (518, 3356), (519, 3359), (533, 3431), (534, 3437), (537, 3446), (538, 3449), (540, 3455), (543, 3467), (572, 3530), (600, 3578),

Gene: StCroix_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for StCroix_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Stagni_14 Start: 8656, Stop: 10110, Start Num: 58

Candidate Starts for Stagni_14:

(Start: 58 @8656 has 296 MA's), (Start: 90 @8686 has 2 MA's), (101, 8713), (136, 8818), (179, 8932), (193, 8998), (209, 9055), (247, 9133), (248, 9136), (349, 9277), (377, 9388), (379, 9394), (385, 9415), (443, 9580), (483, 9706), (496, 9760), (497, 9766), (502, 9781), (516, 9817), (535, 9904), (544, 9934), (551, 9964), (573, 10009), (581, 10018),

Gene: Stap_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Stap_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: StarStuff_16 Start: 9159, Stop: 10616, Start Num: 59

Candidate Starts for StarStuff_16:

(Start: 59 @9159 has 322 MA's), (101, 9219), (132, 9312), (136, 9324), (224, 9606), (327, 9750), (351, 9792), (373, 9867), (377, 9894), (379, 9900), (385, 9921), (386, 9927), (496, 10266), (502, 10287), (510, 10314), (516, 10323), (535, 10410), (544, 10440), (551, 10470), (560, 10500), (580, 10524),

Gene: Starcevich_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Starcevich_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Stasia_13 Start: 9023, Stop: 10474, Start Num: 58

Candidate Starts for Stasia_13:

(Start: 58 @9023 has 296 MA's), (136, 9185), (186, 9332), (190, 9353), (197, 9383), (209, 9422), (215, 9440), (247, 9500), (279, 9560), (349, 9644), (352, 9656), (376, 9752), (377, 9755), (379, 9761), (385, 9782), (386, 9788), (411, 9857), (443, 9962), (464, 10025), (483, 10088), (484, 10091), (496, 10142), (502, 10163), (510, 10190), (544, 10316), (551, 10346), (562, 10376),

Gene: SteMason_11 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for SteMason_11:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: Steamy_14 Start: 9733, Stop: 11208, Start Num: 59

Candidate Starts for Steamy_14:

(16, 9388), (Start: 59 @9733 has 322 MA's), (101, 9793), (136, 9898), (155, 9940), (179, 10012), (200, 10108), (224, 10180), (373, 10441), (377, 10468), (379, 10474), (385, 10495), (400, 10546), (496, 10840), (501, 10858), (510, 10888), (516, 10897), (526, 10957), (532, 10978), (542, 11008), (544, 11014), (551, 11044), (555, 11053), (571, 11086), (625, 11173), (628, 11182),

Gene: StepMih_14 Start: 8677, Stop: 10101, Start Num: 90

Candidate Starts for StepMih_14:

(Start: 58 @8647 has 296 MA's), (Start: 90 @8677 has 2 MA's), (101, 8704), (136, 8809), (179, 8923), (193, 8989), (209, 9046), (247, 9124), (248, 9127), (349, 9268), (377, 9379), (379, 9385), (385, 9406), (443, 9571), (483, 9697), (496, 9751), (497, 9757), (502, 9772), (516, 9808), (535, 9895), (544, 9925), (551, 9955), (573, 10000), (581, 10009),

Gene: Stephig9_10 Start: 7423, Stop: 8853, Start Num: 59

Candidate Starts for Stephig9_10:

(Start: 59 @7423 has 322 MA's), (135, 7573), (153, 7609), (186, 7720), (224, 7855), (299, 7966), (349, 8029), (362, 8074), (377, 8140), (385, 8167), (443, 8332), (476, 8434), (496, 8512), (497, 8518), (516, 8569), (544, 8686), (551, 8716), (581, 8770),

Gene: StewieG_11 Start: 8507, Stop: 9949, Start Num: 89

Candidate Starts for StewieG_11:

(Start: 50 @8441 has 1 MA's), (Start: 89 @8507 has 214 MA's), (162, 8705), (224, 8918), (349, 9113), (352, 9125), (377, 9224), (398, 9296), (446, 9419), (460, 9458), (483, 9536), (485, 9542), (496, 9590), (499, 9602), (502, 9611), (525, 9701), (551, 9791), (562, 9824), (573, 9836),

Gene: Stink_12 Start: 8543, Stop: 9997, Start Num: 58

Candidate Starts for Stink_12:

(Start: 58 @8543 has 296 MA's), (132, 8693), (136, 8705), (190, 8873), (197, 8903), (209, 8942), (215, 8960), (247, 9020), (344, 9149), (349, 9167), (352, 9179), (377, 9278), (379, 9284), (385, 9305), (386, 9311), (411, 9380), (443, 9485), (464, 9548), (483, 9611), (484, 9614), (496, 9665), (497, 9671), (502, 9686), (510, 9716), (532, 9806), (544, 9842), (551, 9872), (562, 9902), (630, 9983),

Gene: Stinson_9 Start: 3001, Stop: 4554, Start Num: 32

Candidate Starts for Stinson_9:

(17, 2758), (20, 2872), (22, 2899), (Start: 29 @2986 has 30 MA's), (Start: 32 @3001 has 139 MA's), (96, 3100), (99, 3109), (125, 3181), (Start: 129 @3190 has 2 MA's), (136, 3214), (150, 3247), (165, 3289), (185, 3358), (189, 3379), (199, 3421), (231, 3487), (238, 3502), (289, 3598), (301, 3622), (352, 3739), (362, 3772), (373, 3805), (382, 3847), (388, 3877), (423, 3910), (429, 3928), (445, 4006), (449, 4018), (450, 4021), (454, 4033), (455, 4036), (474, 4072), (484, 4120), (501, 4189), (526, 4285), (533, 4306), (541, 4333), (543, 4342), (553, 4378), (586, 4432),

Gene: Strobilo_5 Start: 2088, Stop: 3593, Start Num: 30

Candidate Starts for Strobilo_5:

(Start: 30 @2088 has 28 MA's), (Start: 59 @2133 has 322 MA's), (Start: 81 @2154 has 1 MA's), (99, 2190), (Start: 129 @2271 has 2 MA's), (150, 2328), (154, 2340), (162, 2364), (165, 2370), (182, 2421), (185, 2439), (189, 2460), (197, 2496), (199, 2502), (208, 2526), (231, 2562), (278, 2652), (289, 2673), (303, 2700), (330, 2742), (331, 2748), (337, 2766), (352, 2814), (362, 2847), (375, 2901), (382, 2922), (388, 2952), (423, 2985), (429, 3003), (431, 3009), (436, 3033), (449, 3093), (453, 3105), (455, 3111), (472, 3150), (501, 3270), (518, 3312), (540, 3411), (541, 3414), (543, 3423), (557, 3474), (594, 3519), (629, 3570),

Gene: StrongArm_11 Start: 9382, Stop: 10824, Start Num: 89

Candidate Starts for StrongArm_11:

(Start: 50 @9316 has 1 MA's), (Start: 89 @9382 has 214 MA's), (162, 9580), (224, 9793), (349, 9988), (352, 10000), (377, 10099), (446, 10294), (460, 10333), (483, 10411), (485, 10417), (496, 10465), (499, 10477), (502, 10486), (525, 10576), (551, 10666), (562, 10699), (573, 10711),

Gene: Strosahl_15 Start: 8341, Stop: 9801, Start Num: 59

Candidate Starts for Strosahl_15:

(Start: 59 @8341 has 322 MA's), (101, 8401), (136, 8506), (163, 8572), (213, 8755), (224, 8788), (247, 8821), (373, 9052), (377, 9079), (379, 9085), (385, 9106), (389, 9127), (400, 9157), (417, 9181), (443, 9271), (453, 9301), (483, 9397), (491, 9424), (496, 9451), (501, 9469), (502, 9472), (510, 9505), (516, 9514), (544, 9631), (551, 9661), (580, 9715),

Gene: Stuu_3 Start: 2307, Stop: 3875, Start Num: 73

Candidate Starts for Stuu_3:

(Start: 73 @2307 has 17 MA's), (Start: 129 @2433 has 2 MA's), (197, 2658), (208, 2694), (228, 2703), (237, 2721), (279, 2796), (300, 2820), (349, 2925), (453, 3240), (460, 3258), (464, 3273), (465, 3276), (530, 3516), (608, 3690), (645, 3804),

Gene: SuMoo_3 Start: 2376, Stop: 3761, Start Num: 76

Candidate Starts for SuMoo_3:

(Start: 76 @2376 has 57 MA's), (Start: 129 @2496 has 2 MA's), (165, 2595), (189, 2685), (225, 2754), (272, 2838), (375, 3057), (397, 3132), (428, 3192), (465, 3333), (478, 3375), (527, 3558), (530, 3567), (533, 3576), (605, 3729),

Gene: Subaru_3 Start: 2266, Stop: 3642, Start Num: 76

Candidate Starts for Subaru_3:

(Start: 76 @2266 has 57 MA's), (Start: 129 @2386 has 2 MA's), (165, 2485), (279, 2749), (393, 3022), (453, 3181), (474, 3229), (478, 3259), (486, 3283), (530, 3457), (575, 3577),

Gene: Success_51 Start: 27373, Stop: 28797, Start Num: 66

Candidate Starts for Success_51:

(Start: 66 @27373 has 4 MA's), (126, 27505), (128, 27508), (155, 27586), (162, 27607), (169, 27628), (192, 27721), (224, 27802), (376, 28078), (381, 28093), (391, 28129), (427, 28192), (436, 28225), (443, 28267), (445, 28273), (448, 28282), (453, 28297), (466, 28336), (489, 28414), (496, 28447), (502, 28468), (529, 28570), (551, 28645), (557, 28672), (563, 28678),

Gene: Sudan_7 Start: 4182, Stop: 5615, Start Num: 83

Candidate Starts for Sudan_7:

(Start: 83 @4182 has 105 MA's), (Start: 129 @4299 has 2 MA's), (148, 4347), (151, 4359), (237, 4602), (288, 4689), (323, 4749), (334, 4767), (337, 4773), (370, 4872), (387, 4947), (392, 4965), (409, 5004), (426, 5040), (448, 5142), (496, 5304), (501, 5322), (520, 5379), (531, 5436), (541, 5469), (551, 5511),

(590, 5577), (611, 5601),

Gene: Sue2_3 Start: 2267, Stop: 3634, Start Num: 76

Candidate Starts for Sue2_3:

(Start: 76 @2267 has 57 MA's), (125, 2378), (Start: 129 @2387 has 2 MA's), (165, 2486), (338, 2834), (393, 3023), (443, 3149), (478, 3257), (486, 3281), (522, 3416), (530, 3455), (533, 3464), (543, 3500), (546, 3515), (575, 3575),

Gene: Sujidade_8 Start: 4351, Stop: 5787, Start Num: 83

Candidate Starts for Sujidade_8:

(Start: 72 @4345 has 15 MA's), (Start: 83 @4351 has 105 MA's), (96, 4375), (106, 4399), (Start: 129 @4468 has 2 MA's), (148, 4516), (165, 4567), (225, 4750), (269, 4834), (298, 4876), (366, 5032), (370, 5044), (392, 5137), (426, 5215), (436, 5260), (448, 5317), (513, 5530), (520, 5554), (611, 5773),

Gene: Sulley_9 Start: 3008, Stop: 4561, Start Num: 32

Candidate Starts for Sulley_9:

(11, 2597), (17, 2765), (20, 2879), (22, 2906), (Start: 29 @2993 has 30 MA's), (Start: 32 @3008 has 139 MA's), (96, 3110), (99, 3119), (105, 3128), (Start: 129 @3200 has 2 MA's), (150, 3257), (153, 3266), (165, 3299), (166, 3302), (170, 3317), (185, 3368), (189, 3389), (238, 3509), (278, 3584), (289, 3605), (305, 3635), (352, 3746), (362, 3779), (373, 3812), (375, 3833), (382, 3854), (388, 3884), (423, 3917), (429, 3935), (445, 4013), (449, 4025), (450, 4028), (454, 4040), (455, 4043), (474, 4079), (484, 4127), (496, 4178), (501, 4196), (526, 4292), (533, 4313), (541, 4340), (543, 4349), (553, 4385), (586, 4439),

Gene: Sultana_12 Start: 8579, Stop: 10030, Start Num: 58

Candidate Starts for Sultana_12:

(Start: 58 @8579 has 296 MA's), (136, 8738), (190, 8906), (197, 8936), (209, 8975), (215, 8993), (247, 9053), (344, 9182), (349, 9200), (377, 9311), (379, 9317), (385, 9338), (386, 9344), (411, 9413), (435, 9473), (443, 9518), (483, 9644), (484, 9647), (496, 9698), (497, 9704), (502, 9719), (510, 9749), (532, 9839), (544, 9875), (546, 9887), (551, 9905), (562, 9935),

Gene: Sumter_11 Start: 8250, Stop: 9692, Start Num: 89

Candidate Starts for Sumter_11:

(Start: 50 @8184 has 1 MA's), (Start: 89 @8250 has 214 MA's), (162, 8448), (224, 8661), (349, 8856), (350, 8859), (352, 8868), (377, 8967), (446, 9162), (460, 9201), (483, 9279), (485, 9285), (496, 9333), (499, 9345), (502, 9354), (525, 9444), (551, 9534), (562, 9567), (573, 9579),

Gene: Sunflower1121_7 Start: 2861, Stop: 4411, Start Num: 32

Candidate Starts for Sunflower1121_7:

(20, 2729), (22, 2756), (Start: 29 @2846 has 30 MA's), (Start: 32 @2861 has 139 MA's), (51, 2891), (99, 2969), (Start: 129 @3050 has 2 MA's), (136, 3074), (153, 3116), (185, 3218), (189, 3239), (192, 3254), (199, 3281), (238, 3359), (260, 3398), (289, 3455), (330, 3524), (337, 3548), (349, 3584), (352, 3596), (362, 3629), (373, 3662), (375, 3683), (382, 3704), (388, 3734), (423, 3767), (429, 3785), (449, 3875), (450, 3878), (455, 3893), (474, 3929), (475, 3935), (484, 3977), (496, 4028), (501, 4046), (525, 4139), (526, 4142), (533, 4163), (540, 4187), (541, 4190), (543, 4199),

Gene: Sunhee_11 Start: 8309, Stop: 9775, Start Num: 59

Candidate Starts for Sunhee_11:

(Start: 59 @8309 has 322 MA's), (Start: 66 @8321 has 4 MA's), (101, 8369), (136, 8474), (215, 8729), (224, 8756), (350, 8936), (351, 8942), (373, 9017), (377, 9044), (379, 9050), (384, 9068), (385, 9071), (389, 9092), (400, 9122), (415, 9143), (427, 9161), (460, 9284), (490, 9386), (496, 9416), (501, 9434), (502, 9437), (505, 9452), (510, 9464), (516, 9473), (526, 9533), (544, 9590), (546, 9602), (551, 9620), (560, 9650),

Gene: SunkenRoot_9 Start: 4245, Stop: 5678, Start Num: 83

Candidate Starts for SunkenRoot_9:

(Start: 83 @4245 has 105 MA's), (Start: 129 @4362 has 2 MA's), (148, 4410), (151, 4422), (237, 4665), (288, 4752), (334, 4830), (337, 4836), (370, 4935), (387, 5010), (392, 5028), (409, 5067), (426, 5103), (448, 5205), (496, 5367), (501, 5385), (520, 5442), (551, 5574), (566, 5604), (611, 5664),

Gene: SunsetPointe_7 Start: 4080, Stop: 5522, Start Num: 83

Candidate Starts for SunsetPointe_7:

(70, 4071), (Start: 72 @4074 has 15 MA's), (Start: 83 @4080 has 105 MA's), (Start: 129 @4197 has 2 MA's), (148, 4245), (269, 4563), (298, 4605), (312, 4632), (334, 4665), (366, 4758), (370, 4770), (392, 4863), (426, 4941), (436, 4986), (448, 5043), (456, 5067), (520, 5280), (611, 5508),

Gene: Sunshine924_11 Start: 8233, Stop: 9675, Start Num: 89

Candidate Starts for Sunshine924_11:

(Start: 50 @8167 has 1 MA's), (Start: 89 @8233 has 214 MA's), (162, 8431), (224, 8644), (349, 8839), (377, 8950), (398, 9022), (446, 9145), (460, 9184), (483, 9262), (485, 9268), (496, 9316), (499, 9328), (502, 9337), (525, 9427), (551, 9517), (562, 9550), (573, 9562),

Gene: SuperAwesome_16 Start: 9274, Stop: 10737, Start Num: 59

Candidate Starts for SuperAwesome_16:

(Start: 59 @9274 has 322 MA's), (Start: 72 @9295 has 15 MA's), (101, 9334), (131, 9421), (133, 9433), (136, 9439), (224, 9721), (358, 9934), (373, 9985), (377, 10012), (379, 10018), (385, 10039), (502, 10405), (510, 10432), (516, 10441), (526, 10501), (544, 10558), (551, 10588), (560, 10618), (582, 10645),

Gene: SuperCallie99_16 Start: 9275, Stop: 10738, Start Num: 59

Candidate Starts for SuperCallie99_16:

(Start: 59 @9275 has 322 MA's), (Start: 72 @9296 has 15 MA's), (101, 9335), (131, 9422), (133, 9434), (136, 9440), (224, 9722), (358, 9935), (373, 9986), (377, 10013), (379, 10019), (385, 10040), (502, 10406), (510, 10433), (516, 10442), (526, 10502), (544, 10559), (551, 10589), (560, 10619), (582, 10646),

Gene: SuperHands_4 Start: 2537, Stop: 3967, Start Num: 129

Candidate Starts for SuperHands_4:

(Start: 129 @2537 has 2 MA's), (165, 2636), (244, 2822), (375, 3095), (397, 3170), (428, 3230), (450, 3326), (464, 3368), (465, 3371), (478, 3413), (524, 3578), (527, 3596), (530, 3605),

Gene: Superchunk_12 Start: 7939, Stop: 9396, Start Num: 59

Candidate Starts for Superchunk_12:

(Start: 59 @7939 has 322 MA's), (101, 7999), (132, 8092), (136, 8104), (224, 8386), (373, 8647), (377, 8674), (379, 8680), (385, 8701), (460, 8914), (496, 9046), (501, 9064), (502, 9067), (510, 9094), (516, 9103), (535, 9190), (544, 9220), (551, 9250), (560, 9280), (580, 9304),

Gene: Superstar_9 Start: 4995, Stop: 6473, Start Num: 83

Candidate Starts for Superstar_9:

(Start: 83 @4995 has 105 MA's), (Start: 129 @5112 has 2 MA's), (151, 5172), (165, 5211), (185, 5304), (298, 5517), (312, 5544), (365, 5664), (366, 5670), (370, 5682), (387, 5757), (392, 5775), (397, 5787), (399, 5793), (436, 5940), (448, 5997), (464, 6045), (501, 6177), (520, 6234), (537, 6312), (541, 6324), (551, 6366), (611, 6459),

Gene: Swann_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for Swann_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: SweetiePie_13 Start: 9170, Stop: 10633, Start Num: 59

Candidate Starts for SweetiePie_13:

(Start: 59 @9170 has 322 MA's), (101, 9230), (136, 9335), (197, 9533), (224, 9617), (247, 9650), (327, 9761), (373, 9878), (377, 9905), (379, 9911), (385, 9932), (386, 9938), (400, 9983), (446, 10106), (496, 10277), (501, 10295), (502, 10298), (510, 10325), (516, 10334), (544, 10451), (551, 10481), (560, 10511),

Gene: SwirlSquare_14 Start: 8071, Stop: 9528, Start Num: 59

Candidate Starts for SwirlSquare_14:

(Start: 59 @8071 has 322 MA's), (101, 8131), (136, 8236), (219, 8500), (224, 8518), (352, 8707), (373, 8779), (377, 8806), (379, 8812), (385, 8833), (460, 9046), (496, 9178), (501, 9196), (502, 9199), (510, 9226), (516, 9235), (535, 9322), (544, 9352), (551, 9382), (560, 9412), (580, 9436),

Gene: Swirley_10 Start: 7909, Stop: 9342, Start Num: 59

Candidate Starts for Swirley_10:

(Start: 59 @7909 has 322 MA's), (142, 8065), (149, 8077), (153, 8092), (155, 8098), (200, 8266), (209, 8293), (247, 8371), (299, 8452), (351, 8524), (352, 8527), (373, 8599), (379, 8632), (385, 8653), (388, 8671), (392, 8683), (417, 8728), (483, 8944), (496, 8998), (501, 9016), (516, 9055), (544, 9172), (551, 9202), (560, 9232), (581, 9256),

Gene: SwissCheese_12 Start: 8695, Stop: 10137, Start Num: 89

Candidate Starts for SwissCheese_12:

(Start: 50 @8629 has 1 MA's), (Start: 89 @8695 has 214 MA's), (162, 8893), (224, 9106), (349, 9301), (352, 9313), (377, 9412), (398, 9484), (446, 9607), (460, 9646), (483, 9724), (485, 9730), (496, 9778), (499, 9790), (502, 9799), (525, 9889), (551, 9979), (562, 10012), (573, 10024),

Gene: Switzer_13 Start: 8618, Stop: 10060, Start Num: 89

Candidate Starts for Switzer_13:

(Start: 50 @8552 has 1 MA's), (Start: 89 @8618 has 214 MA's), (162, 8816), (224, 9029), (349, 9224), (350, 9227), (377, 9335), (446, 9530), (460, 9569), (483, 9647), (485, 9653), (496, 9701), (499, 9713), (502, 9722), (525, 9812), (551, 9902), (562, 9935), (573, 9947),

Gene: Switzerland_15 Start: 8502, Stop: 9962, Start Num: 59

Candidate Starts for Switzerland_15:

(Start: 59 @8502 has 322 MA's), (101, 8562), (136, 8667), (163, 8733), (213, 8916), (224, 8949), (247, 8982), (373, 9213), (377, 9240), (379, 9246), (385, 9267), (389, 9288), (400, 9318), (417, 9342), (443, 9432), (453, 9462), (483, 9558), (491, 9585), (496, 9612), (501, 9630), (502, 9633), (510, 9666), (516, 9675), (544, 9792), (551, 9822), (580, 9876),

Gene: Swole_14 Start: 9164, Stop: 10606, Start Num: 89

Candidate Starts for Swole_14:

(Start: 50 @9098 has 1 MA's), (Start: 89 @9164 has 214 MA's), (162, 9362), (224, 9575), (349, 9770), (352, 9782), (377, 9881), (398, 9953), (446, 10076), (460, 10115), (483, 10193), (485, 10199), (496, 10247), (499, 10259), (502, 10268), (525, 10358), (551, 10448), (562, 10481), (573, 10493),

Gene: SydNat_10 Start: 8016, Stop: 9449, Start Num: 59

Candidate Starts for SydNat_10:

(Start: 59 @8016 has 322 MA's), (132, 8151), (149, 8184), (153, 8199), (155, 8205), (165, 8232), (200, 8373), (209, 8400), (247, 8478), (299, 8559), (349, 8622), (350, 8625), (351, 8631), (352, 8634), (373, 8706), (379, 8739), (385, 8760), (392, 8790), (483, 9051), (496, 9105), (501, 9123), (516, 9162), (544, 9279), (551, 9309), (573, 9354), (581, 9363),

Gene: Syleon_14 Start: 6515, Stop: 8011, Start Num: 40

Candidate Starts for Syleon_14:

(Start: 40 @6515 has 7 MA's), (63, 6557), (65, 6560), (86, 6590), (96, 6608), (101, 6626), (162, 6797), (182, 6857), (185, 6875), (228, 6983), (234, 6992), (241, 7007), (246, 7016), (265, 7058), (337, 7154), (357, 7214), (359, 7220), (380, 7298), (418, 7388), (428, 7409), (463, 7535), (464, 7538), (476, 7574), (486, 7607), (496, 7652), (497, 7658), (511, 7700), (513, 7703), (518, 7712), (520, 7727), (525, 7763), (527, 7772), (529, 7778), (531, 7784), (537, 7805), (540, 7814), (553, 7865), (557, 7880), (562, 7886), (574, 7901),

Gene: Syra333_8 Start: 2966, Stop: 4513, Start Num: 32

Candidate Starts for Syra333_8:

(20, 2834), (22, 2861), (Start: 29 @2951 has 30 MA's), (Start: 32 @2966 has 139 MA's), (51, 2996), (99, 3071), (Start: 129 @3152 has 2 MA's), (136, 3176), (153, 3218), (185, 3320), (189, 3341), (192, 3356), (199, 3383), (207, 3404), (238, 3461), (260, 3500), (289, 3557), (330, 3626), (337, 3650), (349, 3686), (352, 3698), (362, 3731), (373, 3764), (375, 3785), (382, 3806), (388, 3836), (423, 3869), (429, 3887), (449, 3977), (450, 3980), (455, 3995), (474, 4031), (475, 4037), (476, 4052), (484, 4079), (496, 4130), (501, 4148), (525, 4241), (526, 4244), (533, 4265), (540, 4289), (541, 4292), (543, 4301),

Gene: TBond007_8 Start: 2673, Stop: 4238, Start Num: 32

Candidate Starts for TBond007_8:

(24, 2640), (Start: 32 @2673 has 139 MA's), (96, 2778), (99, 2787), (107, 2802), (136, 2892), (150, 2925), (154, 2937), (165, 2967), (185, 3036), (189, 3057), (192, 3072), (199, 3099), (224, 3150), (231, 3159), (238, 3174), (260, 3213), (278, 3249), (284, 3264), (289, 3270), (294, 3279), (301, 3294), (331, 3345), (352, 3411), (362, 3444), (365, 3450), (373, 3477), (375, 3498), (382, 3519), (423, 3582), (429, 3600), (445, 3678), (449, 3690), (450, 3693), (455, 3708), (482, 3789), (484, 3795), (495, 3843), (501, 3864), (533, 3981), (541, 4008), (543, 4017), (553, 4053),

Gene: TClif_8 Start: 2886, Stop: 4448, Start Num: 29

Candidate Starts for TClif_8:

(Start: 29 @2886 has 30 MA's), (Start: 32 @2901 has 139 MA's), (Start: 81 @2976 has 1 MA's), (99, 3012), (Start: 129 @3093 has 2 MA's), (136, 3117), (150, 3150), (153, 3159), (185, 3261), (189, 3282), (192, 3297), (197, 3318), (199, 3324), (211, 3354), (238, 3402), (278, 3477), (289, 3498), (330, 3567), (337, 3591), (349, 3627), (352, 3639), (362, 3672), (365, 3678), (370, 3696), (375, 3726), (382, 3747), (388, 3777), (423, 3810), (429, 3828), (445, 3906), (449, 3918), (450, 3921), (455, 3936), (474, 3972), (475, 3978), (496, 4071), (501, 4089), (525, 4182), (533, 4206), (541, 4233), (543, 4242), (591, 4338),

Gene: TM4_5 Start: 2101, Stop: 3606, Start Num: 30

Candidate Starts for TM4_5:

(Start: 30 @2101 has 28 MA's), (36, 2119), (Start: 59 @2146 has 322 MA's), (Start: 81 @2167 has 1 MA's), (Start: 95 @2191 has 1 MA's), (99, 2203), (Start: 129 @2284 has 2 MA's), (150, 2341), (154, 2353), (162, 2377), (165, 2383), (182, 2434), (185, 2452), (189, 2473), (197, 2509), (199, 2515), (208, 2539), (231, 2575), (278, 2665), (289, 2686), (303, 2713), (330, 2755), (331, 2761), (337, 2779), (352, 2827), (362, 2860), (375, 2914), (382, 2935), (388, 2965), (423, 2998), (429, 3016), (431, 3022), (436, 3046), (449, 3106), (453, 3118), (455, 3124), (472, 3163), (501, 3283), (518, 3325), (540, 3424), (541, 3427), (543, 3436), (557, 3487), (594, 3532), (629, 3583),

Gene: TNguyen7_12 Start: 8163, Stop: 9629, Start Num: 59

Candidate Starts for TNguyen7_12:

(Start: 59 @8163 has 322 MA's), (136, 8334), (169, 8418), (186, 8481), (193, 8514), (197, 8532), (209, 8571), (219, 8598), (245, 8646), (347, 8787), (350, 8796), (373, 8877), (376, 8901), (377, 8904), (379, 8910), (384, 8928), (385, 8931), (386, 8937), (443, 9108), (483, 9234), (484, 9237), (496, 9288), (497, 9294), (502, 9309), (510, 9339), (544, 9465), (551, 9495), (562, 9525),

Gene: TWAMP_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for TWAMP_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Tachez_9 Start: 2992, Stop: 4545, Start Num: 32

Candidate Starts for Tachez_9:

(22, 2890), (Start: 29 @2977 has 30 MA's), (Start: 32 @2992 has 139 MA's), (96, 3094), (99, 3103), (125, 3175), (Start: 129 @3184 has 2 MA's), (136, 3208), (150, 3241), (153, 3250), (185, 3352), (189, 3373), (198, 3412), (199, 3415), (231, 3478), (238, 3493), (250, 3517), (278, 3568), (289, 3589), (321, 3643), (362, 3763), (373, 3796), (375, 3817), (382, 3838), (388, 3868), (423, 3901), (429, 3919), (440, 3979), (445, 3997), (449, 4009), (450, 4012), (454, 4024), (455, 4027), (474, 4063), (484, 4111), (496, 4162), (501, 4180), (526, 4276), (533, 4297), (541, 4324), (543, 4333), (553, 4369),

Gene: TagePhighter_8 Start: 4055, Stop: 5491, Start Num: 83

Candidate Starts for TagePhighter_8:

(Start: 72 @4049 has 15 MA's), (Start: 83 @4055 has 105 MA's), (96, 4079), (106, 4103), (Start: 129 @4172 has 2 MA's), (148, 4220), (151, 4232), (165, 4271), (200, 4424), (269, 4538), (298, 4580), (334, 4640), (337, 4646), (366, 4736), (370, 4748), (387, 4823), (392, 4841), (426, 4919), (436, 4964), (448, 5021), (513, 5234), (520, 5258), (551, 5390), (590, 5456), (611, 5477),

Gene: Tailonex_10 Start: 8353, Stop: 9759, Start Num: 66

Candidate Starts for Tailonex_10:

(Start: 66 @8353 has 4 MA's), (153, 8536), (208, 8737), (218, 8764), (282, 8884), (351, 8968), (354, 8977), (359, 8995), (376, 9067), (377, 9070), (385, 9097), (438, 9220), (446, 9262), (455, 9289), (487, 9394), (496, 9433), (502, 9454), (516, 9487), (519, 9496), (551, 9634), (560, 9661),

Gene: TaiwanKao_9 Start: 2998, Stop: 4551, Start Num: 32

Candidate Starts for TaiwanKao_9:

(17, 2755), (22, 2896), (Start: 29 @2983 has 30 MA's), (Start: 32 @2998 has 139 MA's), (96, 3097), (99, 3106), (Start: 129 @3187 has 2 MA's), (136, 3211), (150, 3244), (165, 3286), (185, 3355), (189, 3376), (198, 3415), (231, 3484), (238, 3499), (278, 3574), (289, 3595), (321, 3649), (362, 3769), (373, 3802), (375, 3823), (382, 3844), (388, 3874), (423, 3907), (429, 3925), (445, 4003), (449, 4015), (450, 4018), (454, 4030), (455, 4033), (474, 4069), (484, 4117), (501, 4186), (526, 4282), (533, 4303), (541, 4330), (543, 4339), (553, 4375), (586, 4429),

Gene: Takoda_9 Start: 4827, Stop: 6257, Start Num: 58

Candidate Starts for Takoda_9:

(Start: 58 @4827 has 296 MA's), (149, 5004), (155, 5025), (165, 5052), (169, 5067), (213, 5229), (219, 5244), (299, 5373), (351, 5445), (374, 5532), (375, 5541), (377, 5547), (389, 5595), (427, 5664), (431, 5673), (446, 5748), (449, 5757), (491, 5892), (501, 5937), (502, 5940), (526, 6033), (544, 6090), (551, 6120), (560, 6147), (573, 6159), (577, 6165),

Gene: Tallboi_3 Start: 2284, Stop: 3660, Start Num: 76

Candidate Starts for Tallboi_3:

(Start: 76 @2284 has 57 MA's), (Start: 129 @2404 has 2 MA's), (165, 2503), (200, 2638), (279, 2767), (393, 3040), (453, 3199), (474, 3247), (478, 3277), (486, 3301), (530, 3475), (575, 3595),

Gene: Taquarus_12 Start: 8581, Stop: 10032, Start Num: 58

Candidate Starts for Taquarus_12:

(Start: 58 @8581 has 296 MA's), (132, 8728), (136, 8740), (190, 8908), (197, 8938), (209, 8977), (215, 8995), (247, 9055), (344, 9184), (349, 9202), (352, 9214), (377, 9313), (379, 9319), (385, 9340), (386, 9346), (411, 9415), (435, 9475), (443, 9520), (483, 9646), (484, 9649), (496, 9700), (502, 9721), (510, 9751), (532, 9841), (544, 9877), (551, 9907), (562, 9937),

Gene: Taquito_8 Start: 3533, Stop: 5119, Start Num: 30

Candidate Starts for Taquito_8:

(Start: 29 @3518 has 30 MA's), (Start: 30 @3533 has 28 MA's), (Start: 39 @3557 has 1 MA's), (Start: 81 @3623 has 1 MA's), (105, 3668), (150, 3797), (153, 3806), (154, 3809), (165, 3839), (185, 3908), (189, 3929), (197, 3965), (199, 3971), (208, 3995), (231, 4031), (238, 4046), (260, 4085), (333, 4220), (337, 4229), (345, 4247), (351, 4274), (352, 4277), (362, 4310), (373, 4343), (375, 4364), (382, 4385), (423, 4448), (431, 4472), (436, 4496), (445, 4544), (449, 4556), (453, 4568), (455, 4574), (472, 4613), (499, 4727), (501, 4733), (533, 4904), (541, 4931), (543, 4940), (567, 5003), (576, 5015),

Gene: Target_14 Start: 9457, Stop: 10923, Start Num: 59

Candidate Starts for Target_14:

(Start: 59 @9457 has 322 MA's), (136, 9607), (200, 9847), (219, 9901), (233, 9931), (247, 9952), (299, 10033), (349, 10096), (377, 10207), (379, 10213), (385, 10234), (417, 10309), (427, 10324), (464, 10465), (496, 10582), (501, 10600), (516, 10639), (544, 10756), (551, 10786), (556, 10798),

Gene: TarsusIV_13 Start: 9241, Stop: 10716, Start Num: 59

Candidate Starts for TarsusIV_13:

(Start: 59 @9241 has 322 MA's), (101, 9301), (136, 9406), (224, 9688), (247, 9721), (373, 9949), (377, 9976), (379, 9982), (385, 10003), (386, 10009), (400, 10054), (460, 10216), (496, 10348), (501, 10366), (502, 10369), (510, 10396), (516, 10405), (544, 10522), (551, 10552), (560, 10582), (580, 10606), (635, 10693),

Gene: Tarynearal_9 Start: 7936, Stop: 9369, Start Num: 59

Candidate Starts for Tarynearal_9:

(Start: 59 @7936 has 322 MA's), (142, 8092), (149, 8104), (153, 8119), (155, 8125), (200, 8293), (209, 8320), (247, 8398), (299, 8479), (351, 8551), (352, 8554), (373, 8626), (379, 8659), (385, 8680), (388, 8698), (392, 8710), (417, 8755), (483, 8971), (496, 9025), (501, 9043), (516, 9082), (544, 9199), (551, 9229), (560, 9259), (581, 9283),

Gene: Tasp14_13 Start: 8935, Stop: 10377, Start Num: 89

Candidate Starts for Tasp14_13:

(Start: 50 @8869 has 1 MA's), (Start: 89 @8935 has 214 MA's), (162, 9133), (224, 9346), (349, 9541), (352, 9553), (377, 9652), (446, 9847), (460, 9886), (483, 9964), (485, 9970), (496, 10018), (499, 10030), (502, 10039), (525, 10129), (551, 10219), (562, 10252), (573, 10264),

Gene: Taurus_14 Start: 8652, Stop: 10106, Start Num: 58

Candidate Starts for Taurus_14:

(Start: 58 @8652 has 296 MA's), (Start: 90 @8682 has 2 MA's), (101, 8709), (136, 8814), (179, 8928), (193, 8994), (209, 9051), (247, 9129), (248, 9132), (349, 9273), (377, 9384), (379, 9390), (385, 9411), (443, 9576), (483, 9702), (496, 9756), (497, 9762), (502, 9777), (516, 9813), (535, 9900), (544, 9930), (551, 9960), (573, 10005), (581, 10014),

Gene: Tbone_3 Start: 2269, Stop: 3645, Start Num: 76

Candidate Starts for Tbone_3:

(Start: 76 @2269 has 57 MA's), (Start: 129 @2389 has 2 MA's), (165, 2488), (175, 2527), (279, 2752), (342, 2845), (393, 3025), (456, 3193), (474, 3232), (478, 3262), (486, 3286), (530, 3460), (533, 3469), (575, 3580),

Gene: Tchotchke_4 Start: 2200, Stop: 3621, Start Num: 78

Candidate Starts for Tchotchke_4:

(Start: 78 @2200 has 61 MA's), (Start: 95 @2227 has 1 MA's), (99, 2239), (148, 2368), (153, 2386), (165, 2419), (185, 2488), (192, 2524), (197, 2545), (199, 2551), (208, 2575), (211, 2578), (253, 2653), (257, 2659), (268, 2686), (280, 2704), (301, 2746), (332, 2797), (338, 2815), (349, 2848), (351, 2857), (352, 2860), (367, 2908), (370, 2917), (375, 2947), (381, 2965), (388, 2998), (431, 3055), (449, 3139), (455, 3157), (464, 3184), (472, 3196), (474, 3199), (475, 3205), (476, 3220), (486, 3253), (518, 3358), (533, 3433), (534, 3439), (537, 3448), (540, 3457), (543, 3469), (572, 3532), (600, 3580),

Gene: Teejan_5 Start: 2283, Stop: 3839, Start Num: 32

Candidate Starts for Teejan_5:

(21, 2157), (22, 2178), (Start: 29 @2268 has 30 MA's), (Start: 32 @2283 has 139 MA's), (Start: 81 @2352 has 1 MA's), (Start: 89 @2367 has 214 MA's), (99, 2388), (Start: 129 @2469 has 2 MA's), (136, 2493), (150, 2526), (162, 2562), (185, 2637), (189, 2658), (192, 2673), (238, 2778), (273, 2844), (289, 2874), (320, 2928), (337, 2970), (349, 3006), (352, 3018), (362, 3051), (373, 3084), (382, 3126), (388, 3156), (423, 3189), (429, 3207), (431, 3213), (440, 3267), (445, 3285), (449, 3297), (454, 3312), (455, 3315), (469, 3348), (495, 3447), (496, 3450), (501, 3468), (518, 3510), (525, 3561), (526, 3564), (533, 3585), (540, 3609), (541, 3612), (543, 3621), (553, 3657), (557, 3672), (574, 3693),

Gene: Tefunt_7 Start: 3857, Stop: 5332, Start Num: 83

Candidate Starts for Tefunt_7:

(Start: 83 @3857 has 105 MA's), (Start: 129 @3974 has 2 MA's), (165, 4073), (185, 4166), (334, 4439), (370, 4544), (387, 4619), (392, 4637), (397, 4649), (399, 4655), (436, 4802), (446, 4853), (448, 4859), (464, 4907), (501, 5039), (520, 5096), (541, 5186), (611, 5318),

Gene: Temprado_16 Start: 9284, Stop: 10750, Start Num: 59

Candidate Starts for Temprado_16:

(Start: 59 @9284 has 322 MA's), (Start: 72 @9305 has 15 MA's), (101, 9344), (131, 9431), (133, 9443), (136, 9449), (224, 9731), (258, 9785), (358, 9944), (373, 9995), (377, 10022), (379, 10028), (385, 10049), (460, 10262), (502, 10415), (505, 10430), (510, 10442), (516, 10451), (527, 10517), (535, 10538), (544, 10568), (551, 10598), (560, 10628),

Gene: Teodoridan_10 Start: 8066, Stop: 9508, Start Num: 89

Candidate Starts for Teodoridan_10:

(Start: 50 @8000 has 1 MA's), (Start: 89 @8066 has 214 MA's), (162, 8264), (224, 8477), (349, 8672), (352, 8684), (377, 8783), (398, 8855), (446, 8978), (460, 9017), (483, 9095), (485, 9101), (496, 9149), (499, 9161), (502, 9170), (525, 9260), (551, 9350), (562, 9383), (573, 9395),

Gene: Terrific_17 Start: 9722, Stop: 11182, Start Num: 59

Candidate Starts for Terrific_17:

(Start: 59 @9722 has 322 MA's), (101, 9782), (132, 9875), (136, 9887), (224, 10169), (247, 10202), (350, 10349), (352, 10358), (373, 10430), (377, 10457), (379, 10463), (385, 10484), (464, 10712), (496, 10829), (502, 10850), (510, 10877), (516, 10886), (544, 11003), (551, 11033), (560, 11063), (580, 11087),

Gene: Texage_12 Start: 8738, Stop: 10207, Start Num: 58

Candidate Starts for Texage_12:

(Start: 58 @8738 has 296 MA's), (94, 8777), (136, 8903), (169, 8987), (186, 9050), (193, 9083), (197, 9101), (209, 9140), (219, 9167), (247, 9218), (344, 9344), (347, 9356), (351, 9371), (352, 9374), (373, 9446), (377, 9473), (379, 9479), (385, 9500), (386, 9506), (392, 9530), (411, 9572), (443, 9677), (483, 9803), (484, 9806), (496, 9857), (497, 9863), (502, 9878), (510, 9908), (544, 10034), (551, 10064), (562, 10094),

Gene: TforTroy_3 Start: 2278, Stop: 3813, Start Num: 73

Candidate Starts for TforTroy_3:

(Start: 73 @2278 has 17 MA's), (Start: 129 @2398 has 2 MA's), (165, 2497), (279, 2761), (393, 3031), (453, 3190), (474, 3238), (478, 3268), (486, 3292), (530, 3466), (543, 3511), (569, 3577), (623, 3676), (633, 3700),

Gene: Thanksgivukkah_12 Start: 8583, Stop: 10034, Start Num: 58

Candidate Starts for Thanksgivukkah_12:

(Start: 58 @8583 has 296 MA's), (132, 8730), (136, 8742), (190, 8910), (197, 8940), (209, 8979), (215, 8997), (247, 9057), (344, 9186), (349, 9204), (352, 9216), (377, 9315), (379, 9321), (385, 9342), (386, 9348), (411, 9417), (435, 9477), (443, 9522), (483, 9648), (484, 9651), (496, 9702), (502, 9723), (510, 9753), (532, 9843), (544, 9879), (551, 9909), (562, 9939),

Gene: ThayneTheZag_4 Start: 2272, Stop: 3609, Start Num: 88

Candidate Starts for ThayneTheZag_4:

(Start: 80 @2260 has 4 MA's), (Start: 88 @2272 has 31 MA's), (130, 2383), (132, 2395), (182, 2536), (197, 2611), (216, 2653), (224, 2677), (271, 2758), (318, 2818), (350, 2863), (355, 2881), (374, 2953), (375, 2962), (379, 2974), (380, 2977), (386, 3001), (399, 3043), (446, 3169), (449, 3178), (482, 3283), (486, 3295), (495, 3337), (497, 3346), (522, 3430), (551, 3535), (552, 3538), (556, 3544), (585, 3595),

Gene: Theia_9 Start: 7875, Stop: 9308, Start Num: 59

Candidate Starts for Theia_9:

(Start: 59 @7875 has 322 MA's), (132, 8010), (149, 8043), (153, 8058), (155, 8064), (200, 8232), (209, 8259), (247, 8337), (299, 8418), (351, 8490), (352, 8493), (373, 8565), (379, 8598), (385, 8619), (392, 8649), (398, 8664), (417, 8694), (483, 8910), (496, 8964), (501, 8982), (516, 9021), (544, 9138), (551, 9168), (560, 9198), (581, 9222),

Gene: TheloniousMonk_14 Start: 9678, Stop: 11120, Start Num: 89

Candidate Starts for TheloniousMonk_14:

(Start: 50 @9612 has 1 MA's), (Start: 89 @9678 has 214 MA's), (162, 9876), (224, 10089), (349, 10284), (352, 10296), (377, 10395), (398, 10467), (446, 10590), (460, 10629), (483, 10707), (485, 10713), (496, 10761), (499, 10773), (502, 10782), (525, 10872), (551, 10962), (562, 10995), (573, 11007),

Gene: Thestral_8 Start: 3928, Stop: 5409, Start Num: 83

Candidate Starts for Thestral_8:

(Start: 83 @3928 has 105 MA's), (Start: 129 @4045 has 2 MA's), (148, 4093), (151, 4105), (165, 4144), (185, 4237), (189, 4258), (298, 4450), (312, 4477), (370, 4615), (387, 4690), (392, 4708), (399, 4726), (402, 4735), (432, 4852), (436, 4873), (448, 4930), (464, 4978), (501, 5110), (520, 5167), (541, 5257), (543, 5266), (611, 5395),

Gene: Thor_12 Start: 8518, Stop: 9960, Start Num: 89

Candidate Starts for Thor_12:

(Start: 50 @8452 has 1 MA's), (Start: 89 @8518 has 214 MA's), (162, 8716), (224, 8929), (349, 9124), (352, 9136), (377, 9235), (446, 9430), (460, 9469), (483, 9547), (485, 9553), (496, 9601), (499, 9613), (502, 9622), (516, 9655), (525, 9712), (551, 9802), (562, 9835), (573, 9847),

Gene: ThursdayNight_3 Start: 2320, Stop: 3858, Start Num: 76

Candidate Starts for ThursdayNight_3:

(Start: 76 @2320 has 57 MA's), (Start: 129 @2446 has 2 MA's), (279, 2809), (440, 3196), (453, 3238), (474, 3286), (478, 3316), (530, 3514), (623, 3721), (633, 3745), (646, 3811),

Gene: Thyatira_7 Start: 2766, Stop: 4301, Start Num: 32

Candidate Starts for Thyatira_7:

(Start: 32 @2766 has 139 MA's), (Start: 81 @2838 has 1 MA's), (99, 2874), (105, 2883), (116, 2928), (150, 3012), (154, 3024), (165, 3054), (170, 3072), (185, 3123), (192, 3159), (199, 3186), (224, 3237), (227, 3240), (231, 3246), (238, 3261), (240, 3264), (278, 3336), (289, 3357), (305, 3387), (331, 3432), (349, 3486), (362, 3531), (373, 3564), (380, 3600), (381, 3603), (382, 3606), (423, 3669), (429, 3687), (431, 3693), (445, 3765), (449, 3777), (450, 3780), (455, 3795), (475, 3840), (476, 3855), (482, 3876), (495, 3930), (496, 3933), (501, 3951), (505, 3966), (523, 4032), (526, 4047), (533, 4068), (538, 4086), (543, 4104), (553, 4140), (607, 4227),

Gene: Tian_3 Start: 2278, Stop: 3657, Start Num: 76

Candidate Starts for Tian_3:

(1, 1264), (2, 1399), (5, 1504), (6, 1522), (12, 1837), (18, 1978), (Start: 76 @2278 has 57 MA's), (112, 2350), (Start: 129 @2398 has 2 MA's), (165, 2497), (279, 2761), (342, 2854), (393, 3034), (453, 3190), (474, 3238), (478, 3268), (486, 3292), (530, 3466), (575, 3586),

Gene: Tierra_8 Start: 2956, Stop: 4503, Start Num: 32

Candidate Starts for Tierra_8:

(20, 2824), (22, 2851), (Start: 29 @2941 has 30 MA's), (Start: 32 @2956 has 139 MA's), (99, 3064), (Start: 129 @3145 has 2 MA's), (136, 3169), (153, 3211), (165, 3244), (185, 3313), (189, 3334), (192, 3349), (199, 3376), (289, 3550), (316, 3595), (337, 3643), (352, 3691), (362, 3724), (373, 3757), (375, 3778), (382, 3799), (388, 3829), (423, 3862), (429, 3880), (449, 3970), (455, 3988), (474, 4024), (475, 4030), (484, 4072), (496, 4123), (501, 4141), (523, 4222), (525, 4234), (526, 4237), (533, 4258), (540, 4282), (541, 4285), (543, 4294),

Gene: Tiff81_4 Start: 2263, Stop: 3600, Start Num: 88

Candidate Starts for Tiff81_4:

(27, 2143), (28, 2146), (38, 2185), (41, 2188), (47, 2200), (67, 2236), (Start: 80 @2251 has 4 MA's), (Start: 88 @2263 has 31 MA's), (106, 2305), (108, 2311), (130, 2374), (132, 2386), (216, 2644), (247, 2701), (271, 2749), (281, 2770), (347, 2845), (355, 2872), (375, 2953), (379, 2965), (380, 2968), (386, 2992), (399, 3034), (446, 3160), (464, 3214), (483, 3277), (495, 3328), (498, 3340), (512, 3379), (526, 3445), (551, 3526), (552, 3529), (556, 3535), (585, 3586),

Gene: Tiffany_14 Start: 8548, Stop: 10002, Start Num: 58

Candidate Starts for Tiffany_14:

(Start: 58 @8548 has 296 MA's), (Start: 90 @8578 has 2 MA's), (101, 8605), (136, 8710), (179, 8824), (193, 8890), (209, 8947), (247, 9025), (248, 9028), (349, 9169), (377, 9280), (379, 9286), (385, 9307), (443, 9472), (483, 9598), (496, 9652), (497, 9658), (502, 9673), (516, 9709), (535, 9796), (544, 9826), (551, 9856), (573, 9901), (581, 9910),

Gene: Tiger_10 Start: 7756, Stop: 9189, Start Num: 59

Candidate Starts for Tiger_10:

(Start: 59 @7756 has 322 MA's), (149, 7924), (153, 7939), (155, 7945), (200, 8113), (209, 8140), (247, 8218), (299, 8299), (351, 8371), (352, 8374), (373, 8446), (379, 8479), (385, 8500), (392, 8530), (417, 8575), (483, 8791), (496, 8845), (501, 8863), (516, 8902), (544, 9019), (551, 9049), (560, 9079), (581, 9103),

Gene: Tigress9_8 Start: 2958, Stop: 4505, Start Num: 32

Candidate Starts for Tigress9_8:

(20, 2826), (22, 2853), (Start: 29 @2943 has 30 MA's), (Start: 32 @2958 has 139 MA's), (99, 3063), (Start: 129 @3144 has 2 MA's), (136, 3168), (153, 3210), (185, 3312), (189, 3333), (192, 3348), (199, 3375), (238, 3453), (260, 3492), (289, 3549), (330, 3618), (337, 3642), (349, 3678), (352, 3690), (362, 3723), (373, 3756), (375, 3777), (382, 3798), (388, 3828), (423, 3861), (429, 3879), (449, 3969), (450, 3972), (455, 3987), (474, 4023), (475, 4029), (484, 4071), (496, 4122), (501, 4140), (525, 4233), (526, 4236), (540, 4281), (541, 4284), (543, 4293),

Gene: Timothy_13 Start: 9784, Stop: 11241, Start Num: 59

Candidate Starts for Timothy_13:

(Start: 59 @9784 has 322 MA's), (97, 9829), (101, 9844), (136, 9949), (224, 10231), (247, 10264), (352, 10420), (373, 10492), (377, 10519), (379, 10525), (385, 10546), (400, 10597), (490, 10861), (496, 10891), (502, 10912), (505, 10927), (510, 10939), (516, 10948), (535, 11035), (544, 11065), (551, 11095), (560, 11125), (610, 11191),

Gene: Timshel_13 Start: 10002, Stop: 11459, Start Num: 58

Candidate Starts for Timshel_13:

(Start: 58 @10002 has 296 MA's), (132, 10152), (136, 10164), (179, 10278), (197, 10362), (204, 10389), (285, 10554), (349, 10623), (352, 10635), (354, 10641), (359, 10659), (373, 10707), (377, 10734), (379, 10740), (385, 10761), (386, 10767), (389, 10782), (392, 10791), (432, 10875), (443, 10938), (464, 11001), (483, 11064), (484, 11067), (496, 11118), (497, 11124), (500, 11133), (501, 11136), (502, 11139), (516, 11175), (532, 11256), (544, 11292), (551, 11322),

Gene: TinaBelcher_7 Start: 3879, Stop: 5354, Start Num: 83

Candidate Starts for TinaBelcher_7:

(Start: 83 @3879 has 105 MA's), (Start: 129 @3996 has 2 MA's), (148, 4044), (151, 4056), (165, 4095), (185, 4188), (189, 4209), (298, 4401), (312, 4428), (370, 4566), (379, 4608), (387, 4641), (392, 4659), (399, 4677), (402, 4686), (436, 4824), (448, 4881), (464, 4929), (501, 5061), (520, 5118), (541, 5208), (543, 5217), (599, 5322), (611, 5340),

Gene: TinaFeyge_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for TinaFeyge_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: TingHuaYa_9 Start: 3054, Stop: 4607, Start Num: 32

Candidate Starts for TingHuaYa_9:

(Start: 29 @3039 has 30 MA's), (Start: 32 @3054 has 139 MA's), (96, 3150), (99, 3159), (111, 3189), (Start: 129 @3240 has 2 MA's), (136, 3264), (150, 3297), (153, 3306), (185, 3408), (189, 3429), (192, 3444), (197, 3465), (231, 3534), (238, 3549), (260, 3588), (289, 3645), (352, 3786), (362, 3819), (373, 3852), (375, 3873), (382, 3894), (388, 3924), (429, 3975), (445, 4053), (449, 4065), (450, 4068), (454, 4080), (455, 4083), (460, 4095), (474, 4119), (501, 4236), (525, 4329), (533, 4353), (540, 4377), (541, 4380), (543, 4389), (576, 4464), (591, 4485), (607, 4512),

Gene: TiniBug_9 Start: 2984, Stop: 4546, Start Num: 29

Candidate Starts for TiniBug_9:

(22, 2897), (Start: 29 @2984 has 30 MA's), (Start: 32 @2999 has 139 MA's), (48, 3026), (96, 3095), (99, 3104), (105, 3113), (125, 3176), (Start: 129 @3185 has 2 MA's), (136, 3209), (150, 3242), (165, 3284), (185, 3353), (189, 3374), (197, 3410), (231, 3479), (236, 3491), (278, 3569), (289, 3590), (305, 3620), (321, 3644), (362, 3764), (373, 3797), (375, 3818), (382, 3839), (388, 3869), (423, 3902), (429, 3920), (445, 3998), (449, 4010), (450, 4013), (454, 4025), (455, 4028), (474, 4064), (484, 4112), (496,

4163), (501, 4181), (526, 4277), (533, 4298), (541, 4325), (543, 4334), (586, 4424), (639, 4523),

Gene: TinyPebbles_14 Start: 8737, Stop: 10191, Start Num: 58

Candidate Starts for TinyPebbles_14:

(Start: 58 @8737 has 296 MA's), (Start: 90 @8767 has 2 MA's), (101, 8794), (136, 8899), (179, 9013), (193, 9079), (209, 9136), (247, 9214), (248, 9217), (349, 9358), (377, 9469), (379, 9475), (385, 9496), (443, 9661), (483, 9787), (496, 9841), (497, 9847), (502, 9862), (516, 9898), (535, 9985), (544, 10015), (551, 10045), (573, 10090), (581, 10099),

Gene: TinyTimmy_13 Start: 9836, Stop: 11293, Start Num: 59

Candidate Starts for TinyTimmy_13:

(Start: 59 @9836 has 322 MA's), (97, 9881), (101, 9896), (136, 10001), (224, 10283), (247, 10316), (352, 10472), (373, 10544), (377, 10571), (379, 10577), (385, 10598), (400, 10649), (490, 10913), (496, 10943), (502, 10964), (505, 10979), (510, 10991), (516, 11000), (535, 11087), (544, 11117), (551, 11147), (560, 11177), (610, 11243),

Gene: Tinybot_11 Start: 8558, Stop: 10009, Start Num: 58

Candidate Starts for Tinybot_11:

(Start: 58 @8558 has 296 MA's), (132, 8705), (136, 8717), (190, 8885), (197, 8915), (209, 8954), (215, 8972), (247, 9032), (344, 9161), (349, 9179), (377, 9290), (379, 9296), (385, 9317), (386, 9323), (411, 9392), (435, 9452), (443, 9497), (483, 9623), (484, 9626), (496, 9677), (497, 9683), (502, 9698), (510, 9728), (532, 9818), (544, 9854), (546, 9866), (551, 9884), (562, 9914),

Gene: TopsytheTRex_12 Start: 8294, Stop: 9751, Start Num: 59

Candidate Starts for TopsytheTRex_12:

(Start: 59 @8294 has 322 MA's), (Start: 72 @8315 has 15 MA's), (101, 8354), (136, 8459), (224, 8741), (247, 8774), (283, 8846), (352, 8930), (373, 9002), (377, 9029), (379, 9035), (385, 9056), (496, 9401), (502, 9422), (510, 9449), (516, 9458), (544, 9575), (551, 9605), (560, 9635), (580, 9659),

Gene: Tiri_9 Start: 3037, Stop: 4590, Start Num: 32

Candidate Starts for Tiri_9:

(22, 2935), (Start: 29 @3022 has 30 MA's), (Start: 32 @3037 has 139 MA's), (96, 3136), (99, 3145), (125, 3217), (Start: 129 @3226 has 2 MA's), (136, 3250), (150, 3283), (153, 3292), (165, 3325), (185, 3394), (189, 3415), (199, 3457), (231, 3523), (238, 3538), (278, 3613), (289, 3634), (321, 3688), (362, 3808), (373, 3841), (375, 3862), (382, 3883), (388, 3913), (423, 3946), (429, 3964), (440, 4024), (445, 4042), (449, 4054), (450, 4057), (454, 4069), (455, 4072), (474, 4108), (484, 4156), (496, 4207), (501, 4225), (526, 4321), (533, 4342), (541, 4369), (543, 4378), (553, 4414),

Gene: TiroTheta9_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for TiroTheta9_12:

(Start: 58 @8578 has 296 MA's), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Toaka_12 Start: 8270, Stop: 9754, Start Num: 59

Candidate Starts for Toaka_12:

(Start: 59 @8270 has 322 MA's), (101, 8330), (131, 8417), (136, 8435), (200, 8645), (224, 8717), (247, 8750), (259, 8774), (349, 8894), (359, 8930), (362, 8939), (373, 8978), (377, 9005), (379, 9011), (385, 9032), (400, 9083), (427, 9122), (496, 9380), (501, 9398), (510, 9428), (516, 9437), (535, 9524), (542, 9548), (544, 9554), (551, 9584), (573, 9629), (580, 9638),

Gene: Todacoro_13 Start: 8738, Stop: 10207, Start Num: 58

Candidate Starts for Todacoro_13:

(Start: 58 @8738 has 296 MA's), (94, 8777), (136, 8903), (169, 8987), (186, 9050), (193, 9083), (197, 9101), (209, 9140), (219, 9167), (247, 9218), (344, 9344), (347, 9356), (351, 9371), (352, 9374), (373, 9446), (377, 9473), (379, 9479), (385, 9500), (386, 9506), (392, 9530), (411, 9572), (443, 9677), (483, 9803), (484, 9806), (496, 9857), (497, 9863), (502, 9878), (510, 9908), (544, 10034), (551, 10064), (562, 10094),

Gene: Toma_7 Start: 4056, Stop: 5492, Start Num: 83

Candidate Starts for Toma_7:

(Start: 72 @4050 has 15 MA's), (Start: 83 @4056 has 105 MA's), (96, 4080), (106, 4104), (Start: 129 @4173 has 2 MA's), (148, 4221), (165, 4272), (225, 4455), (269, 4539), (298, 4581), (366, 4737), (370, 4749), (392, 4842), (426, 4920), (436, 4965), (448, 5022), (513, 5235), (520, 5259), (611, 5478),

Gene: Tomathan_16 Start: 9159, Stop: 10616, Start Num: 59

Candidate Starts for Tomathan_16:

(Start: 59 @9159 has 322 MA's), (101, 9219), (132, 9312), (136, 9324), (219, 9588), (224, 9606), (327, 9750), (351, 9792), (373, 9867), (377, 9894), (379, 9900), (385, 9921), (386, 9927), (496, 10266), (502, 10287), (510, 10314), (516, 10323), (535, 10410), (544, 10440), (551, 10470), (560, 10500), (580, 10524),

Gene: ToneTone_15 Start: 9197, Stop: 10663, Start Num: 59

Candidate Starts for ToneTone_15:

(Start: 59 @9197 has 322 MA's), (Start: 72 @9218 has 15 MA's), (101, 9257), (131, 9344), (133, 9356), (136, 9362), (224, 9644), (258, 9698), (358, 9857), (373, 9908), (377, 9935), (379, 9941), (385, 9962), (432, 10064), (460, 10175), (502, 10328), (505, 10343), (510, 10355), (516, 10364), (527, 10430), (535, 10451), (544, 10481), (551, 10511), (560, 10541),

Gene: TootsiePop_4 Start: 2202, Stop: 3623, Start Num: 78

Candidate Starts for TootsiePop_4:

(Start: 78 @2202 has 61 MA's), (Start: 95 @2229 has 1 MA's), (99, 2241), (148, 2370), (153, 2388), (155, 2394), (165, 2421), (185, 2490), (192, 2526), (197, 2547), (199, 2553), (208, 2577), (211, 2580), (227, 2607), (253, 2655), (257, 2661), (268, 2688), (280, 2706), (332, 2799), (338, 2817), (349, 2850), (351, 2859), (352, 2862), (367, 2910), (370, 2919), (375, 2949), (381, 2967), (388, 3000), (431, 3057), (449, 3141), (455, 3159), (464, 3186), (472, 3198), (474, 3201), (475, 3207), (476, 3222), (486, 3255), (518, 3360), (533, 3435), (534, 3441), (537, 3450), (540, 3459), (543, 3471), (572, 3534), (600, 3582),

Gene: Tootsieroll_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Tootsieroll_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Topanga_12 Start: 8504, Stop: 9949, Start Num: 58

Candidate Starts for Topanga_12:

(Start: 58 @8504 has 296 MA's), (136, 8663), (186, 8810), (193, 8843), (197, 8861), (199, 8867), (208, 8900), (247, 8981), (252, 8993), (347, 9119), (352, 9137), (373, 9209), (376, 9233), (377, 9236), (379, 9242), (385, 9263), (443, 9443), (483, 9569), (484, 9572), (496, 9623), (497, 9629), (502, 9644), (510, 9674), (516, 9683), (532, 9764), (544, 9800), (551, 9830), (577, 9881), (580, 9884),

Gene: Topgun_12 Start: 8423, Stop: 9865, Start Num: 89

Candidate Starts for Topgun_12:

(Start: 50 @8357 has 1 MA's), (Start: 89 @8423 has 214 MA's), (162, 8621), (224, 8834), (349, 9029), (352, 9041), (377, 9140), (446, 9335), (460, 9374), (483, 9452), (485, 9458), (496, 9506), (499, 9518), (502, 9527), (525, 9617), (551, 9707), (562, 9740), (573, 9752),

Gene: Topper_9 Start: 3055, Stop: 4623, Start Num: 29

Candidate Starts for Topper_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: Toro_15 Start: 9998, Stop: 11494, Start Num: 58

Candidate Starts for Toro_15:

(Start: 58 @9998 has 296 MA's), (136, 10163), (179, 10313), (193, 10379), (219, 10463), (229, 10487), (247, 10514), (256, 10532), (299, 10595), (344, 10643), (347, 10655), (351, 10670), (352, 10673), (373, 10745), (377, 10772), (379, 10778), (385, 10799), (389, 10820), (392, 10829), (411, 10877), (443, 10982), (483, 11108), (484, 11111), (496, 11162), (497, 11168), (502, 11183), (526, 11282), (532, 11303), (535, 11309), (544, 11339), (551, 11369), (560, 11399), (562, 11402), (577, 11420),

Gene: Torres_5 Start: 2283, Stop: 3839, Start Num: 32

Candidate Starts for Torres_5:

(21, 2157), (22, 2178), (Start: 29 @2268 has 30 MA's), (Start: 32 @2283 has 139 MA's), (Start: 81 @2352 has 1 MA's), (Start: 89 @2367 has 214 MA's), (99, 2388), (Start: 129 @2469 has 2 MA's), (136, 2493), (150, 2526), (162, 2562), (185, 2637), (189, 2658), (192, 2673), (238, 2778), (273, 2844), (289, 2874), (320, 2928), (337, 2970), (349, 3006), (352, 3018), (362, 3051), (373, 3084), (382, 3126), (388, 3156), (423, 3189), (429, 3207), (431, 3213), (440, 3267), (445, 3285), (449, 3297), (454, 3312), (455, 3315), (469, 3348), (495, 3447), (496, 3450), (501, 3468), (518, 3510), (525, 3561), (526, 3564), (533, 3585), (540, 3609), (541, 3612), (543, 3621), (553, 3657), (557, 3672), (574, 3693),

Gene: Tote_14 Start: 9164, Stop: 10606, Start Num: 89

Candidate Starts for Tote_14:

(Start: 50 @9098 has 1 MA's), (Start: 89 @9164 has 214 MA's), (162, 9362), (224, 9575), (349, 9770), (352, 9782), (377, 9881), (398, 9953), (446, 10076), (460, 10115), (483, 10193), (485, 10199), (496, 10247), (499, 10259), (502, 10268), (525, 10358), (551, 10448), (562, 10481), (573, 10493),

Gene: Totinger_4 Start: 2200, Stop: 3621, Start Num: 78

Candidate Starts for Totinger_4:

(Start: 78 @2200 has 61 MA's), (Start: 95 @2227 has 1 MA's), (99, 2239), (148, 2368), (153, 2386), (165, 2419), (185, 2488), (192, 2524), (197, 2545), (199, 2551), (208, 2575), (211, 2578), (253, 2653), (257, 2659), (268, 2686), (280, 2704), (301, 2746), (332, 2797), (338, 2815), (349, 2848), (351, 2857), (352, 2860), (367, 2908), (370, 2917), (375, 2947), (381, 2965), (388, 2998), (431, 3055), (449, 3139), (455, 3157), (464, 3184), (472, 3196), (474, 3199), (475, 3205), (476, 3220), (486, 3253), (496, 3298), (518, 3358), (533, 3433), (534, 3439), (537, 3448), (540, 3457), (543, 3469), (572, 3532), (600, 3580),

Gene: TouchMeNot_4 Start: 2870, Stop: 4285, Start Num: 71

Candidate Starts for TouchMeNot_4:

(Start: 71 @2870 has 5 MA's), (113, 2960), (154, 3089), (162, 3113), (185, 3185), (192, 3221), (304, 3458), (337, 3512), (366, 3608), (379, 3662), (389, 3704), (422, 3746), (478, 3944), (530, 4142),

Gene: Tourach_5 Start: 2654, Stop: 4309, Start Num: 61

Candidate Starts for Tourach_5:

(Start: 61 @2654 has 69 MA's), (101, 2717), (127, 2795), (151, 2855), (154, 2864), (162, 2888), (165, 2894), (185, 2966), (192, 3002), (199, 3029), (234, 3080), (291, 3173), (322, 3212), (349, 3275), (352, 3287), (355, 3296), (356, 3302), (357, 3305), (365, 3326), (371, 3347), (373, 3353), (381, 3392), (420, 3488), (430, 3515), (460, 3623), (461, 3629), (490, 3722), (495, 3749), (518, 3812), (521, 3833), (524, 3854), (530, 3881), (533, 3890), (549, 3950), (557, 3980), (564, 3989), (570, 3995), (626, 4097), (637, 4130), (644, 4169), (653, 4274),

Gene: TpudiCK_16 Start: 6259, Stop: 7881, Start Num: 35

Candidate Starts for TpudiCK_16:

(Start: 35 @6259 has 23 MA's), (43, 6274), (105, 6382), (110, 6400), (125, 6448), (138, 6481), (145, 6493), (153, 6517), (162, 6544), (165, 6550), (185, 6622), (186, 6628), (192, 6658), (222, 6739), (225, 6745), (228, 6748), (237, 6766), (340, 6922), (349, 6940), (352, 6952), (367, 7000), (381, 7057), (382, 7060), (405, 7129), (434, 7183), (440, 7219), (456, 7270), (458, 7273), (472, 7303), (475, 7312), (491, 7378), (492, 7381), (495, 7402), (496, 7405), (513, 7456), (533, 7543), (574, 7654), (593, 7684), (611, 7720), (614, 7726), (621, 7741), (626, 7753), (647, 7837),

Gene: Traft412_14 Start: 9351, Stop: 10787, Start Num: 89

Candidate Starts for Traft412_14:

(Start: 50 @9285 has 1 MA's), (Start: 89 @9351 has 214 MA's), (162, 9549), (224, 9762), (349, 9957), (352, 9969), (377, 10068), (446, 10263), (460, 10302), (483, 10380), (485, 10386), (496, 10434), (499, 10446), (502, 10455), (525, 10545), (551, 10635), (562, 10668), (573, 10680),

Gene: Travvers_16 Start: 9159, Stop: 10616, Start Num: 59

Candidate Starts for Travvers_16:

(Start: 59 @9159 has 322 MA's), (101, 9219), (132, 9312), (136, 9324), (219, 9588), (224, 9606), (327, 9750), (351, 9792), (373, 9867), (377, 9894), (379, 9900), (385, 9921), (386, 9927), (496, 10266), (502, 10287), (510, 10314), (516, 10323), (535, 10410), (544, 10440), (551, 10470), (560, 10500), (580, 10524),

Gene: Trax_13 Start: 6263, Stop: 7762, Start Num: 40

Candidate Starts for Trax_13:

(37, 6257), (Start: 40 @6263 has 7 MA's), (69, 6317), (96, 6359), (101, 6377), (108, 6395), (Start: 129 @6458 has 2 MA's), (139, 6488), (141, 6491), (146, 6497), (153, 6521), (162, 6548), (185, 6626), (234, 6743), (241, 6758), (263, 6800), (265, 6809), (322, 6878), (349, 6935), (352, 6947), (372, 7010), (373, 7013), (374, 7025), (392, 7097), (406, 7130), (418, 7139), (428, 7160), (456, 7265), (476, 7325), (486, 7358), (490, 7373), (501, 7421), (504, 7433), (511, 7451), (520, 7478), (527, 7523), (529, 7529), (537, 7556), (540, 7565), (552, 7613), (562, 7637), (614, 7721),

Gene: Treddle_14 Start: 9660, Stop: 11102, Start Num: 89

Candidate Starts for Treddle_14:

(Start: 50 @9594 has 1 MA's), (Start: 89 @9660 has 214 MA's), (162, 9858), (224, 10071), (349, 10266), (352, 10278), (377, 10377), (446, 10572), (460, 10611), (483, 10689), (485, 10695), (496, 10743), (499, 10755), (502, 10764), (525, 10854), (551, 10944), (562, 10977), (573, 10989),

Gene: TreyKay_9 Start: 2995, Stop: 4548, Start Num: 32

Candidate Starts for TreyKay_9:

(22, 2893), (Start: 29 @2980 has 30 MA's), (Start: 32 @2995 has 139 MA's), (96, 3094), (99, 3103), (125, 3175), (Start: 129 @3184 has 2 MA's), (136, 3208), (150, 3241), (165, 3283), (185, 3352), (189, 3373), (198, 3412), (238, 3496), (278, 3571), (289, 3592), (321, 3646), (362, 3766), (373, 3799), (375, 3820), (382, 3841), (388, 3871), (423, 3904), (429, 3922), (445, 4000), (449, 4012), (450, 4015), (454, 4027), (455, 4030), (474, 4066), (484, 4114), (501, 4183), (526, 4279), (533, 4300), (541, 4327), (543, 4336), (553, 4372), (586, 4426),

Gene: TriFive_6 Start: 2756, Stop: 4399, Start Num: 61

Candidate Starts for TriFive_6:

(Start: 61 @2756 has 69 MA's), (99, 2816), (154, 2966), (165, 2996), (185, 3068), (200, 3134), (234, 3182), (291, 3275), (322, 3314), (356, 3404), (359, 3413), (365, 3428), (430, 3617), (439, 3650), (447, 3689), (461, 3731), (518, 3914), (524, 3956), (530, 3983), (533, 3992), (549, 4052), (557, 4082), (564, 4091), (611, 4166), (626, 4199),

Gene: TribelTrouble_7 Start: 2727, Stop: 4310, Start Num: 29

Candidate Starts for TribelTrouble_7:

(Start: 29 @2727 has 30 MA's), (Start: 32 @2742 has 139 MA's), (52, 2772), (96, 2835), (99, 2844), (136, 2949), (150, 2982), (154, 2994), (165, 3024), (185, 3093), (189, 3114), (192, 3129), (199, 3156), (231, 3216), (238, 3231), (289, 3327), (337, 3420), (349, 3456), (352, 3468), (362, 3501), (365, 3507), (373, 3534), (375, 3555), (380, 3570), (382, 3576), (429, 3657), (445, 3735), (449, 3747), (450, 3750), (455, 3765), (464, 3792), (482, 3846), (484, 3852), (495, 3900), (501, 3921), (526, 4035), (533, 4056), (541, 4083), (543, 4092), (553, 4128),

Gene: Trice_5 Start: 2283, Stop: 3839, Start Num: 32

Candidate Starts for Trice_5:

(21, 2157), (22, 2178), (Start: 29 @2268 has 30 MA's), (Start: 32 @2283 has 139 MA's), (Start: 81 @2352 has 1 MA's), (Start: 89 @2367 has 214 MA's), (99, 2388), (Start: 129 @2469 has 2 MA's), (136, 2493), (150, 2526), (162, 2562), (185, 2637), (189, 2658), (192, 2673), (238, 2778), (273, 2844), (289, 2874), (320, 2928), (337, 2970), (349, 3006), (352, 3018), (362, 3051), (373, 3084), (382, 3126), (388, 3156), (423, 3189), (429, 3207), (431, 3213), (440, 3267), (445, 3285), (449, 3297), (454, 3312), (455, 3315), (469, 3348), (495, 3447), (496, 3450), (501, 3468), (518, 3510), (525, 3561), (526, 3564), (533, 3585), (540, 3609), (541, 3612), (543, 3621), (553, 3657), (557, 3672), (574, 3693),

Gene: Trike_10 Start: 6461, Stop: 7921, Start Num: 58

Candidate Starts for Trike_10:

(Start: 58 @6461 has 296 MA's), (Start: 90 @6488 has 2 MA's), (114, 6554), (132, 6608), (136, 6620), (165, 6689), (186, 6767), (193, 6800), (197, 6818), (208, 6857), (210, 6860), (247, 6938), (347, 7076), (352, 7094), (377, 7193), (379, 7199), (385, 7220), (386, 7226), (392, 7250), (411, 7301), (443, 7406), (483, 7532), (484, 7535), (496, 7586), (497, 7592), (502, 7607), (510, 7637), (516, 7646), (532, 7727), (544, 7763), (551, 7793), (577, 7844), (580, 7847),

Gene: Tripl3t_13 Start: 9346, Stop: 10788, Start Num: 89

Candidate Starts for Tripl3t_13:

(Start: 50 @9280 has 1 MA's), (Start: 89 @9346 has 214 MA's), (162, 9544), (224, 9757), (349, 9952), (350, 9955), (352, 9964), (377, 10063), (446, 10258), (460, 10297), (483, 10375), (485, 10381), (496, 10429), (499, 10441), (502, 10450), (525, 10540), (551, 10630), (562, 10663), (573, 10675),

Gene: Tristan_14 Start: 10987, Stop: 12441, Start Num: 59

Candidate Starts for Tristan_14:

(Start: 59 @10987 has 322 MA's), (101, 11047), (136, 11152), (179, 11266), (200, 11362), (224, 11434), (352, 11623), (373, 11695), (377, 11722), (379, 11728), (385, 11749), (400, 11800), (432, 11851), (496, 12094), (501, 12112), (510, 12142), (516, 12151), (526, 12211), (535, 12238), (544, 12268), (551, 12298), (560, 12328), (580, 12352),

Gene: Triste_7 Start: 4056, Stop: 5492, Start Num: 83

Candidate Starts for Triste_7:

(Start: 72 @4050 has 15 MA's), (Start: 83 @4056 has 105 MA's), (96, 4080), (106, 4104), (Start: 129 @4173 has 2 MA's), (148, 4221), (151, 4233), (165, 4272), (200, 4425), (269, 4539), (298, 4581), (312, 4608), (334, 4641), (366, 4737), (370, 4749), (387, 4824), (392, 4842), (426, 4920), (436, 4965), (448,

5022), (513, 5235), (520, 5259), (551, 5391), (590, 5457), (611, 5478),

Gene: Triumph_9 Start: 3896, Stop: 5380, Start Num: 83

Candidate Starts for Triumph_9:

(Start: 83 @3896 has 105 MA's), (Start: 129 @4013 has 2 MA's), (151, 4073), (165, 4112), (185, 4205), (272, 4379), (298, 4418), (334, 4478), (365, 4565), (366, 4571), (370, 4583), (387, 4658), (392, 4676), (397, 4688), (399, 4694), (436, 4841), (446, 4892), (448, 4898), (475, 4967), (520, 5135), (543, 5234), (551, 5267), (575, 5309), (599, 5342), (611, 5366),

Gene: Trixie_16 Start: 10871, Stop: 12331, Start Num: 59

Candidate Starts for Trixie_16:

(Start: 59 @10871 has 322 MA's), (101, 10931), (136, 11036), (224, 11318), (247, 11351), (350, 11498), (373, 11579), (377, 11606), (379, 11612), (385, 11633), (400, 11684), (464, 11861), (490, 11948), (496, 11978), (502, 11999), (510, 12026), (516, 12035), (544, 12152), (551, 12182), (560, 12212), (580, 12236),

Gene: Trooper_13 Start: 9031, Stop: 10506, Start Num: 59

Candidate Starts for Trooper_13:

(Start: 59 @9031 has 322 MA's), (101, 9091), (136, 9196), (224, 9478), (247, 9511), (350, 9658), (373, 9739), (377, 9766), (379, 9772), (385, 9793), (386, 9799), (400, 9844), (460, 10006), (496, 10138), (501, 10156), (502, 10159), (510, 10186), (516, 10195), (544, 10312), (551, 10342), (560, 10372), (635, 10483),

Gene: Trouble_12 Start: 8995, Stop: 10437, Start Num: 89

Candidate Starts for Trouble_12:

(Start: 50 @8929 has 1 MA's), (Start: 89 @8995 has 214 MA's), (162, 9193), (224, 9406), (349, 9601), (352, 9613), (377, 9712), (446, 9907), (460, 9946), (483, 10024), (485, 10030), (496, 10078), (499, 10090), (502, 10099), (525, 10189), (551, 10279), (562, 10312), (573, 10324),

Gene: TroyPia_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for TroyPia_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (546, 9886), (551, 9904), (562, 9934),

Gene: TruffulaTree_9 Start: 3005, Stop: 4576, Start Num: 29

Candidate Starts for TruffulaTree_9:

(22, 2918), (Start: 29 @3005 has 30 MA's), (Start: 32 @3020 has 139 MA's), (Start: 95 @3116 has 1 MA's), (96, 3119), (99, 3128), (125, 3200), (Start: 129 @3209 has 2 MA's), (136, 3233), (150, 3266), (153, 3275), (165, 3308), (185, 3377), (189, 3398), (199, 3440), (231, 3506), (238, 3521), (278, 3596), (289, 3617), (321, 3671), (362, 3791), (373, 3824), (375, 3845), (382, 3866), (388, 3896), (423, 3929), (429, 3947), (440, 4007), (445, 4025), (449, 4037), (450, 4040), (454, 4052), (455, 4055), (474, 4091), (484, 4139), (496, 4190), (501, 4208), (526, 4304), (533, 4325), (541, 4352), (543, 4361), (553, 4397),

Gene: TrvxScott_6 Start: 3880, Stop: 5355, Start Num: 83

Candidate Starts for TrvxScott_6:

(Start: 83 @3880 has 105 MA's), (Start: 129 @3997 has 2 MA's), (148, 4045), (151, 4057), (165, 4096), (185, 4189), (189, 4210), (298, 4402), (312, 4429), (370, 4567), (387, 4642), (392, 4660), (399, 4678), (402, 4687), (436, 4825), (448, 4882), (501, 5062), (520, 5119), (541, 5209), (543, 5218), (599, 5323), (611, 5341),

Gene: TuanPN_7 Start: 4059, Stop: 5495, Start Num: 83

Candidate Starts for TuanPN_7:

(Start: 72 @4053 has 15 MA's), (Start: 83 @4059 has 105 MA's), (96, 4083), (106, 4107), (Start: 129 @4176 has 2 MA's), (148, 4224), (151, 4236), (165, 4275), (200, 4428), (225, 4458), (269, 4542), (298, 4584), (334, 4644), (337, 4650), (366, 4740), (370, 4752), (387, 4827), (392, 4845), (426, 4923), (436, 4968), (448, 5025), (513, 5238), (520, 5262), (551, 5394), (611, 5481),

Gene: Tubs_14 Start: 9893, Stop: 11380, Start Num: 59

Candidate Starts for Tubs_14:

(Start: 59 @9893 has 322 MA's), (101, 9956), (136, 10061), (200, 10271), (213, 10310), (224, 10343), (247, 10376), (349, 10520), (359, 10556), (362, 10565), (373, 10604), (377, 10631), (379, 10637), (385, 10658), (392, 10688), (400, 10709), (417, 10733), (427, 10748), (496, 11003), (501, 11021), (510, 11051), (512, 11054), (516, 11060), (542, 11171), (544, 11177), (551, 11207), (573, 11252), (580, 11261),

Gene: Tuck_4 Start: 3325, Stop: 4707, Start Num: 76

Candidate Starts for Tuck_4:

(Start: 76 @3325 has 57 MA's), (Start: 129 @3445 has 2 MA's), (165, 3544), (279, 3808), (393, 4081), (453, 4240), (474, 4288), (478, 4318), (486, 4342), (530, 4516), (575, 4636),

Gene: Tucker_16 Start: 9284, Stop: 10750, Start Num: 59

Candidate Starts for Tucker_16:

(Start: 59 @9284 has 322 MA's), (Start: 72 @9305 has 15 MA's), (101, 9344), (131, 9431), (133, 9443), (136, 9449), (224, 9731), (258, 9785), (358, 9944), (373, 9995), (377, 10022), (379, 10028), (385, 10049), (460, 10262), (502, 10415), (505, 10430), (510, 10442), (516, 10451), (527, 10517), (535, 10538), (544, 10568), (551, 10598), (560, 10628),

Gene: Turab_3 Start: 2268, Stop: 3641, Start Num: 76

Candidate Starts for Turab_3:

(Start: 76 @2268 has 57 MA's), (Start: 129 @2388 has 2 MA's), (165, 2487), (279, 2751), (393, 3024), (453, 3180), (474, 3228), (478, 3258), (486, 3282), (530, 3456), (575, 3576),

Gene: Turbido_15 Start: 9697, Stop: 11157, Start Num: 59

Candidate Starts for Turbido_15:

(Start: 59 @9697 has 322 MA's), (101, 9757), (136, 9862), (197, 10060), (224, 10144), (247, 10177), (349, 10321), (373, 10405), (377, 10432), (379, 10438), (385, 10459), (386, 10465), (400, 10510), (496, 10804), (501, 10822), (502, 10825), (510, 10852), (516, 10861), (544, 10978), (551, 11008), (560, 11038), (580, 11062),

Gene: Turj99_11 Start: 8439, Stop: 9881, Start Num: 89

Candidate Starts for Turj99_11:

(Start: 50 @8373 has 1 MA's), (Start: 89 @8439 has 214 MA's), (162, 8637), (224, 8850), (349, 9045), (352, 9057), (377, 9156), (398, 9228), (446, 9351), (460, 9390), (483, 9468), (485, 9474), (496, 9522), (499, 9534), (502, 9543), (525, 9633), (551, 9723), (562, 9756), (573, 9768),

Gene: Tutumahutu_3 Start: 2320, Stop: 3696, Start Num: 76

Candidate Starts for Tutumahutu_3:

(Start: 76 @2320 has 57 MA's), (Start: 129 @2440 has 2 MA's), (165, 2539), (175, 2578), (279, 2803), (342, 2896), (393, 3076), (456, 3244), (474, 3283), (478, 3313), (486, 3337), (530, 3511), (533, 3520), (575, 3631),

Gene: Tweety19_4 Start: 3136, Stop: 4500, Start Num: 72

Candidate Starts for Tweety19_4:

(Start: 72 @3136 has 15 MA's), (115, 3217), (Start: 129 @3256 has 2 MA's), (174, 3391), (197, 3481), (228, 3526), (338, 3703), (342, 3712), (443, 4018), (474, 4096), (478, 4126), (527, 4315), (530, 4324),

Gene: Twigg_10 Start: 7908, Stop: 9341, Start Num: 59

Candidate Starts for Twigg_10:

(Start: 59 @7908 has 322 MA's), (142, 8064), (149, 8076), (153, 8091), (155, 8097), (200, 8265), (209, 8292), (247, 8370), (299, 8451), (351, 8523), (352, 8526), (373, 8598), (379, 8631), (385, 8652), (388, 8670), (392, 8682), (483, 8943), (496, 8997), (501, 9015), (516, 9054), (544, 9171), (551, 9201), (560, 9231), (581, 9255),

Gene: Twister_12 Start: 8403, Stop: 9848, Start Num: 58

Candidate Starts for Twister_12:

(Start: 58 @8403 has 296 MA's), (136, 8562), (162, 8625), (186, 8709), (193, 8742), (197, 8760), (199, 8766), (208, 8799), (247, 8880), (252, 8892), (347, 9018), (352, 9036), (373, 9108), (376, 9132), (377, 9135), (379, 9141), (385, 9162), (443, 9342), (483, 9468), (484, 9471), (496, 9522), (497, 9528), (502, 9543), (510, 9573), (516, 9582), (532, 9663), (544, 9699), (551, 9729), (577, 9780), (580, 9783),

Gene: Twitch_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for Twitch_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: TwoPeat_13 Start: 8957, Stop: 10399, Start Num: 89

Candidate Starts for TwoPeat_13:

(Start: 50 @8891 has 1 MA's), (Start: 89 @8957 has 214 MA's), (162, 9155), (224, 9368), (349, 9563), (352, 9575), (377, 9674), (446, 9869), (460, 9908), (483, 9986), (485, 9992), (496, 10040), (499, 10052), (502, 10061), (516, 10094), (525, 10151), (551, 10241), (562, 10274), (573, 10286),

Gene: TyDawg_15 Start: 6260, Stop: 7882, Start Num: 35

Candidate Starts for TyDawg_15:

(Start: 35 @6260 has 23 MA's), (43, 6275), (105, 6383), (110, 6401), (125, 6449), (138, 6482), (145, 6494), (153, 6518), (162, 6545), (165, 6551), (185, 6623), (186, 6629), (192, 6659), (222, 6740), (225, 6746), (228, 6749), (237, 6767), (340, 6923), (349, 6941), (352, 6953), (367, 7001), (381, 7058), (382, 7061), (405, 7130), (434, 7184), (440, 7220), (456, 7271), (458, 7274), (472, 7304), (475, 7313), (491, 7379), (492, 7382), (495, 7403), (496, 7406), (513, 7457), (533, 7544), (574, 7655), (593, 7685), (611, 7721), (614, 7727), (621, 7742), (626, 7754), (647, 7838),

Gene: TygerBlood_12 Start: 8580, Stop: 10031, Start Num: 58

Candidate Starts for TygerBlood_12:

(Start: 58 @8580 has 296 MA's), (132, 8727), (136, 8739), (190, 8907), (197, 8937), (209, 8976), (215, 8994), (247, 9054), (344, 9183), (349, 9201), (377, 9312), (379, 9318), (385, 9339), (386, 9345), (411, 9414), (435, 9474), (443, 9519), (483, 9645), (484, 9648), (496, 9699), (497, 9705), (502, 9720), (510, 9750), (532, 9840), (544, 9876), (546, 9888), (551, 9906), (562, 9936),

Gene: Tyson_5 Start: 2625, Stop: 4298, Start Num: 61

Candidate Starts for Tyson_5:

(Start: 61 @2625 has 69 MA's), (101, 2688), (116, 2742), (127, 2766), (154, 2835), (162, 2859), (185, 2937), (192, 2973), (241, 3066), (244, 3069), (291, 3144), (322, 3183), (349, 3246), (356, 3273), (357, 3276), (365, 3297), (371, 3318), (380, 3360), (381, 3363), (424, 3465), (428, 3480), (430, 3486), (450,

3567), (460, 3594), (461, 3600), (490, 3693), (495, 3720), (497, 3729), (518, 3783), (521, 3804), (524, 3825), (530, 3852), (533, 3861), (549, 3921), (557, 3951), (564, 3960), (626, 4068), (643, 4137), (653, 4263),

Gene: U2_12 Start: 8620, Stop: 10062, Start Num: 89

Candidate Starts for U2_12:

(Start: 50 @8554 has 1 MA's), (Start: 89 @8620 has 214 MA's), (162, 8818), (224, 9031), (349, 9226), (350, 9229), (377, 9337), (446, 9532), (460, 9571), (483, 9649), (485, 9655), (496, 9703), (499, 9715), (502, 9724), (525, 9814), (551, 9904), (562, 9937), (573, 9949),

Gene: UPIE_5 Start: 2626, Stop: 4296, Start Num: 61

Candidate Starts for UPIE_5:

(Start: 61 @2626 has 69 MA's), (101, 2689), (116, 2743), (127, 2767), (154, 2836), (162, 2860), (185, 2938), (192, 2974), (241, 3067), (244, 3070), (291, 3145), (322, 3184), (349, 3247), (356, 3274), (357, 3277), (365, 3298), (371, 3319), (380, 3361), (381, 3364), (424, 3466), (428, 3481), (430, 3487), (450, 3568), (460, 3595), (461, 3601), (490, 3694), (495, 3721), (497, 3730), (518, 3784), (521, 3805), (524, 3826), (530, 3853), (533, 3862), (549, 3922), (557, 3952), (564, 3961), (626, 4069), (653, 4261),

Gene: Ugenie5_11 Start: 9926, Stop: 11413, Start Num: 59

Candidate Starts for Ugenie5_11:

(Start: 59 @9926 has 322 MA's), (101, 9989), (136, 10094), (165, 10163), (200, 10304), (213, 10343), (224, 10376), (247, 10409), (349, 10553), (359, 10589), (362, 10598), (373, 10637), (377, 10664), (379, 10670), (385, 10691), (386, 10697), (400, 10742), (417, 10766), (427, 10781), (496, 11036), (501, 11054), (510, 11084), (512, 11087), (516, 11093), (542, 11204), (544, 11210), (551, 11240), (573, 11285), (580, 11294),

Gene: UhSalsa_9 Start: 4835, Stop: 6280, Start Num: 58

Candidate Starts for UhSalsa_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (213, 5237), (219, 5252), (299, 5381), (349, 5444), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Ulysses_11 Start: 8297, Stop: 9748, Start Num: 58

Candidate Starts for Ulysses_11:

(Start: 58 @8297 has 296 MA's), (132, 8444), (136, 8456), (190, 8624), (197, 8654), (209, 8693), (215, 8711), (247, 8771), (344, 8900), (349, 8918), (377, 9029), (379, 9035), (385, 9056), (386, 9062), (435, 9191), (443, 9236), (483, 9362), (484, 9365), (496, 9416), (502, 9437), (510, 9467), (532, 9557), (544, 9593), (546, 9605), (551, 9623), (562, 9653),

Gene: UncleRicky_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for UncleRicky_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Underpass_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Underpass_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355,

3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: Unicorn_8 Start: 2988, Stop: 4538, Start Num: 32

Candidate Starts for Unicorn_8:

(20, 2856), (22, 2883), (Start: 29 @2973 has 30 MA's), (Start: 32 @2988 has 139 MA's), (99, 3096), (Start: 129 @3177 has 2 MA's), (136, 3201), (153, 3243), (165, 3276), (185, 3345), (189, 3366), (192, 3381), (199, 3408), (238, 3486), (289, 3582), (316, 3627), (337, 3675), (352, 3723), (362, 3756), (373, 3789), (375, 3810), (382, 3831), (388, 3861), (423, 3894), (429, 3912), (449, 4002), (450, 4005), (455, 4020), (474, 4056), (475, 4062), (484, 4104), (496, 4155), (501, 4173), (523, 4254), (525, 4266), (526, 4269), (540, 4314), (541, 4317), (543, 4326),

Gene: UnionJack_10 Start: 7475, Stop: 8908, Start Num: 59

Candidate Starts for UnionJack_10:

(Start: 59 @7475 has 322 MA's), (149, 7643), (153, 7658), (155, 7664), (179, 7736), (200, 7832), (209, 7859), (299, 8018), (350, 8084), (351, 8090), (352, 8093), (362, 8126), (373, 8165), (379, 8198), (385, 8219), (388, 8237), (392, 8249), (483, 8510), (496, 8564), (501, 8582), (516, 8621), (544, 8738), (551, 8768), (560, 8798), (573, 8813), (581, 8822),

Gene: Unstoppable_7 Start: 4081, Stop: 5523, Start Num: 83

Candidate Starts for Unstoppable_7:

(70, 4072), (Start: 72 @4075 has 15 MA's), (Start: 83 @4081 has 105 MA's), (Start: 129 @4198 has 2 MA's), (148, 4246), (269, 4564), (298, 4606), (312, 4633), (334, 4666), (366, 4759), (370, 4771), (392, 4864), (426, 4942), (436, 4987), (448, 5044), (456, 5068), (520, 5281), (611, 5509),

Gene: Updawg_15 Start: 9710, Stop: 11170, Start Num: 59

Candidate Starts for Updawg_15:

(Start: 59 @9710 has 322 MA's), (101, 9770), (132, 9863), (136, 9875), (224, 10157), (247, 10190), (350, 10337), (352, 10346), (373, 10418), (377, 10445), (379, 10451), (385, 10472), (464, 10700), (496, 10817), (502, 10838), (510, 10865), (516, 10874), (544, 10991), (551, 11021), (560, 11051), (580, 11075),

Gene: Urkel_9 Start: 2999, Stop: 4546, Start Num: 32

Candidate Starts for Urkel_9:

(22, 2897), (Start: 29 @2984 has 30 MA's), (Start: 32 @2999 has 139 MA's), (48, 3026), (96, 3095), (99, 3104), (105, 3113), (125, 3176), (Start: 129 @3185 has 2 MA's), (136, 3209), (150, 3242), (165, 3284), (185, 3353), (189, 3374), (197, 3410), (231, 3479), (236, 3491), (278, 3569), (289, 3590), (305, 3620), (321, 3644), (362, 3764), (373, 3797), (375, 3818), (382, 3839), (388, 3869), (423, 3902), (429, 3920), (445, 3998), (449, 4010), (450, 4013), (454, 4025), (455, 4028), (474, 4064), (484, 4112), (496, 4163), (501, 4181), (526, 4277), (533, 4298), (541, 4325), (543, 4334), (586, 4424),

Gene: Urza_7 Start: 4278, Stop: 5753, Start Num: 83

Candidate Starts for Urza_7:

(10, 3741), (15, 3885), (Start: 83 @4278 has 105 MA's), (Start: 95 @4299 has 1 MA's), (Start: 129 @4395 has 2 MA's), (151, 4455), (185, 4587), (189, 4608), (199, 4644), (298, 4806), (323, 4848), (357, 4932), (370, 4971), (381, 5019), (387, 5046), (392, 5064), (401, 5088), (402, 5091), (404, 5109), (408, 5145), (426, 5184), (436, 5229), (448, 5286), (456, 5310), (520, 5523), (541, 5613), (551, 5655),

Gene: UtzChips_3 Start: 2379, Stop: 3746, Start Num: 76

Candidate Starts for UtzChips_3:

(3, 1500), (4, 1521), (7, 1644), (14, 1959), (Start: 76 @2379 has 57 MA's), (Start: 129 @2499 has 2 MA's), (383, 3087), (472, 3348), (475, 3357), (518, 3504), (522, 3534), (541, 3609),

Gene: VA6_13 Start: 9215, Stop: 10675, Start Num: 59

Candidate Starts for VA6_13:

(Start: 59 @9215 has 322 MA's), (101, 9275), (136, 9380), (219, 9644), (224, 9662), (247, 9695), (327, 9806), (377, 9950), (379, 9956), (385, 9977), (386, 9983), (400, 10028), (453, 10172), (482, 10265), (490, 10292), (496, 10322), (501, 10340), (502, 10343), (510, 10370), (516, 10379), (544, 10496), (547, 10511), (551, 10526), (560, 10556), (580, 10580),

Gene: VC3_16 Start: 9161, Stop: 10618, Start Num: 59

Candidate Starts for VC3_16:

(Start: 59 @9161 has 322 MA's), (101, 9221), (136, 9326), (224, 9608), (247, 9641), (348, 9782), (352, 9797), (373, 9869), (377, 9896), (379, 9902), (385, 9923), (386, 9929), (400, 9974), (496, 10268), (501, 10286), (502, 10289), (510, 10316), (516, 10325), (527, 10391), (544, 10442), (551, 10472), (560, 10502), (580, 10526),

Gene: VResidence_3 Start: 2347, Stop: 3720, Start Num: 76

Candidate Starts for VResidence_3:

(Start: 76 @2347 has 57 MA's), (125, 2458), (Start: 129 @2467 has 2 MA's), (165, 2566), (175, 2605), (228, 2737), (393, 3103), (456, 3268), (474, 3307), (478, 3337), (486, 3361), (530, 3535), (575, 3655),

Gene: Validus_9 Start: 3003, Stop: 4568, Start Num: 29

Candidate Starts for Validus_9:

(22, 2913), (Start: 29 @3003 has 30 MA's), (Start: 32 @3018 has 139 MA's), (99, 3120), (136, 3225), (150, 3258), (153, 3267), (185, 3369), (189, 3390), (192, 3405), (231, 3495), (238, 3510), (260, 3549), (278, 3585), (301, 3630), (321, 3660), (330, 3675), (331, 3681), (337, 3699), (352, 3747), (362, 3780), (370, 3804), (375, 3834), (380, 3849), (382, 3855), (423, 3918), (429, 3936), (445, 4014), (449, 4026), (450, 4029), (454, 4041), (455, 4044), (474, 4080), (495, 4176), (496, 4179), (501, 4197), (518, 4239), (525, 4290), (533, 4314), (540, 4338), (541, 4341), (543, 4350), (591, 4446), (607, 4473),

Gene: Vanisoa_12 Start: 7984, Stop: 9468, Start Num: 59

Candidate Starts for Vanisoa_12:

(Start: 59 @7984 has 322 MA's), (101, 8044), (131, 8131), (136, 8149), (200, 8359), (224, 8431), (259, 8488), (327, 8575), (349, 8608), (359, 8644), (362, 8653), (373, 8692), (377, 8719), (379, 8725), (385, 8746), (386, 8752), (400, 8797), (427, 8836), (496, 9094), (501, 9112), (510, 9142), (516, 9151), (535, 9238), (542, 9262), (544, 9268), (551, 9298), (573, 9343), (580, 9352),

Gene: Vanseggelen_10 Start: 3797, Stop: 5233, Start Num: 83

Candidate Starts for Vanseggelen_10:

(Start: 83 @3797 has 105 MA's), (Start: 129 @3914 has 2 MA's), (148, 3962), (151, 3974), (189, 4130), (237, 4217), (334, 4385), (337, 4391), (351, 4430), (366, 4478), (370, 4490), (387, 4565), (392, 4583), (426, 4658), (448, 4760), (495, 4919), (496, 4922), (501, 4940), (504, 4952), (520, 4997), (531, 5054), (541, 5087), (551, 5129), (611, 5219),

Gene: Veliki_9 Start: 3070, Stop: 4623, Start Num: 32

Candidate Starts for Veliki_9:

(22, 2968), (Start: 29 @3055 has 30 MA's), (Start: 32 @3070 has 139 MA's), (96, 3169), (99, 3178), (125, 3250), (Start: 129 @3259 has 2 MA's), (136, 3283), (150, 3316), (153, 3325), (165, 3358), (185, 3427), (189, 3448), (199, 3490), (231, 3556), (238, 3571), (278, 3646), (289, 3667), (321, 3721), (362, 3841), (373, 3874), (375, 3895), (382, 3916), (388, 3946), (423, 3979), (429, 3997), (440, 4057), (445, 4075), (449, 4087), (450, 4090), (454, 4102), (455, 4105), (474, 4141), (484, 4189), (496, 4240), (501, 4258), (526, 4354), (533, 4375), (541, 4402), (543, 4411), (553, 4447),

Gene: Velveteen_4 Start: 2199, Stop: 3620, Start Num: 78

Candidate Starts for Velveteen_4:

(Start: 78 @2199 has 61 MA's), (Start: 95 @2226 has 1 MA's), (99, 2238), (148, 2367), (153, 2385), (165, 2418), (185, 2487), (192, 2523), (197, 2544), (199, 2550), (208, 2574), (211, 2577), (253, 2652), (257, 2658), (268, 2685), (280, 2703), (301, 2745), (332, 2796), (338, 2814), (349, 2847), (351, 2856), (352, 2859), (367, 2907), (370, 2916), (375, 2946), (381, 2964), (388, 2997), (431, 3054), (449, 3138), (455, 3156), (464, 3183), (472, 3195), (474, 3198), (475, 3204), (476, 3219), (486, 3252), (518, 3357), (533, 3432), (534, 3438), (537, 3447), (540, 3456), (543, 3468), (572, 3531), (600, 3579),

Gene: Verabelle_8 Start: 4165, Stop: 5598, Start Num: 83

Candidate Starts for Verabelle_8:

(Start: 83 @4165 has 105 MA's), (Start: 129 @4282 has 2 MA's), (148, 4330), (151, 4342), (237, 4585), (334, 4750), (337, 4756), (366, 4843), (370, 4855), (387, 4930), (392, 4948), (426, 5023), (448, 5125), (456, 5149), (495, 5284), (496, 5287), (501, 5305), (504, 5317), (520, 5362), (531, 5419), (541, 5452), (551, 5494), (611, 5584),

Gene: Veracruz_12 Start: 8738, Stop: 10207, Start Num: 58

Candidate Starts for Veracruz_12:

(Start: 58 @8738 has 296 MA's), (94, 8777), (136, 8903), (169, 8987), (186, 9050), (193, 9083), (197, 9101), (209, 9140), (219, 9167), (247, 9218), (344, 9344), (347, 9356), (351, 9371), (352, 9374), (373, 9446), (377, 9473), (379, 9479), (385, 9500), (386, 9506), (392, 9530), (411, 9572), (443, 9677), (483, 9803), (484, 9806), (496, 9857), (497, 9863), (502, 9878), (510, 9908), (544, 10034), (551, 10064), (562, 10094),

Gene: Verse_7 Start: 4246, Stop: 5679, Start Num: 83

Candidate Starts for Verse_7:

(Start: 83 @4246 has 105 MA's), (Start: 129 @4363 has 2 MA's), (148, 4411), (151, 4423), (237, 4666), (288, 4753), (334, 4831), (370, 4936), (387, 5011), (392, 5029), (409, 5068), (426, 5104), (448, 5206), (496, 5368), (501, 5386), (520, 5443), (551, 5575), (566, 5605), (611, 5665),

Gene: Vetrix_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Vetrix_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (112, 2734), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (424, 3478), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: VieEnRose_7 Start: 4373, Stop: 5827, Start Num: 95

Candidate Starts for VieEnRose_7:

(10, 3815), (15, 3959), (Start: 83 @4352 has 105 MA's), (Start: 95 @4373 has 1 MA's), (Start: 129 @4469 has 2 MA's), (151, 4529), (185, 4661), (189, 4682), (199, 4718), (298, 4880), (323, 4922), (357, 5006), (370, 5045), (381, 5093), (387, 5120), (392, 5138), (401, 5162), (402, 5165), (404, 5183), (408, 5219), (426, 5258), (436, 5303), (448, 5360), (456, 5384), (520, 5597), (541, 5687), (551, 5729),

Gene: Violet_11 Start: 9254, Stop: 10696, Start Num: 89

Candidate Starts for Violet_11:

(Start: 50 @9188 has 1 MA's), (Start: 89 @9254 has 214 MA's), (162, 9452), (224, 9665), (349, 9860), (352, 9872), (377, 9971), (446, 10166), (460, 10205), (483, 10283), (485, 10289), (496, 10337), (499, 10349), (502, 10358), (516, 10391), (525, 10448), (551, 10538), (562, 10571), (573, 10583),

Gene: ViviJ_6 Start: 2528, Stop: 4066, Start Num: 32

Candidate Starts for ViviJ_6:

(Start: 32 @2528 has 139 MA's), (96, 2630), (99, 2639), (116, 2693), (150, 2777), (154, 2789), (165, 2819), (170, 2837), (185, 2888), (192, 2924), (198, 2948), (199, 2951), (227, 3005), (238, 3026), (278, 3101), (289, 3122), (305, 3152), (331, 3197), (349, 3251), (362, 3296), (373, 3329), (380, 3365), (382, 3371), (423, 3434), (429, 3452), (445, 3530), (449, 3542), (450, 3545), (455, 3560), (475, 3605), (476, 3620), (482, 3641), (484, 3647), (495, 3695), (496, 3698), (501, 3716), (523, 3797), (526, 3812), (533, 3833), (543, 3869), (553, 3905), (607, 3992),

Gene: Vix_14 Start: 8736, Stop: 10190, Start Num: 58

Candidate Starts for Vix_14:

(Start: 58 @8736 has 296 MA's), (Start: 90 @8766 has 2 MA's), (101, 8793), (136, 8898), (179, 9012), (193, 9078), (209, 9135), (247, 9213), (248, 9216), (349, 9357), (377, 9468), (379, 9474), (385, 9495), (443, 9660), (483, 9786), (496, 9840), (497, 9846), (502, 9861), (516, 9897), (535, 9984), (544, 10014), (551, 10044), (573, 10089), (581, 10098),

Gene: VohminGhazi_16 Start: 9284, Stop: 10747, Start Num: 59

Candidate Starts for VohminGhazi_16:

(Start: 59 @9284 has 322 MA's), (Start: 72 @9305 has 15 MA's), (101, 9344), (131, 9431), (133, 9443), (136, 9449), (224, 9731), (358, 9944), (373, 9995), (377, 10022), (379, 10028), (385, 10049), (502, 10415), (510, 10442), (516, 10451), (526, 10511), (544, 10568), (551, 10598), (560, 10628), (582, 10655),

Gene: Volt_37 Start: 12190, Stop: 13596, Start Num: 82

Candidate Starts for Volt_37:

(Start: 82 @12190 has 8 MA's), (107, 12229), (118, 12277), (145, 12337), (185, 12463), (199, 12526), (201, 12532), (224, 12577), (297, 12712), (338, 12781), (365, 12862), (371, 12883), (375, 12910), (423, 12994), (449, 13102), (488, 13225), (494, 13255), (495, 13258), (526, 13366), (527, 13372), (537, 13402), (540, 13411), (541, 13414), (543, 13423), (573, 13495), (579, 13504), (588, 13519),

Gene: Vopal_4 Start: 2274, Stop: 3611, Start Num: 88

Candidate Starts for Vopal_4:

(Start: 80 @2262 has 4 MA's), (Start: 88 @2274 has 31 MA's), (112, 2337), (130, 2385), (132, 2397), (182, 2538), (197, 2613), (224, 2679), (271, 2760), (355, 2883), (374, 2955), (375, 2964), (379, 2976), (380, 2979), (386, 3003), (399, 3045), (446, 3171), (486, 3297), (495, 3339), (498, 3351), (551, 3537), (556, 3546), (585, 3597),

Gene: Vordorf_5 Start: 2807, Stop: 4282, Start Num: 85

Candidate Starts for Vordorf_5:

(Start: 85 @2807 has 6 MA's), (125, 2909), (132, 2930), (152, 2978), (156, 2990), (160, 3002), (164, 3011), (185, 3086), (191, 3119), (192, 3122), (193, 3125), (199, 3149), (206, 3170), (220, 3188), (254, 3254), (258, 3260), (300, 3344), (302, 3347), (367, 3509), (373, 3527), (383, 3572), (388, 3599), (397, 3623), (403, 3653), (413, 3701), (433, 3749), (437, 3773), (472, 3884), (495, 3983), (506, 4022), (540, 4133), (550, 4172), (565, 4214), (568, 4217),

Gene: VroomVroom_3 Start: 2305, Stop: 3672, Start Num: 76

Candidate Starts for VroomVroom_3:

(Start: 76 @2305 has 57 MA's), (125, 2419), (Start: 129 @2428 has 2 MA's), (165, 2527), (370, 2968), (371, 2971), (443, 3190), (474, 3268), (527, 3487), (530, 3496),

Gene: Waits_15 Start: 8347, Stop: 9807, Start Num: 59

Candidate Starts for Waits_15:

(Start: 59 @8347 has 322 MA's), (101, 8407), (136, 8512), (163, 8578), (213, 8761), (224, 8794), (247, 8827), (373, 9058), (377, 9085), (379, 9091), (385, 9112), (389, 9133), (400, 9163), (417, 9187), (443, 9277), (453, 9307), (483, 9403), (491, 9430), (496, 9457), (501, 9475), (502, 9478), (510, 9511), (516, 9520), (544, 9637), (551, 9667), (580, 9721),

Gene: WalterMcMickey_12 Start: 8403, Stop: 9848, Start Num: 58

Candidate Starts for WalterMcMickey_12:

(Start: 58 @8403 has 296 MA's), (136, 8562), (162, 8625), (186, 8709), (193, 8742), (197, 8760), (199, 8766), (208, 8799), (247, 8880), (252, 8892), (347, 9018), (352, 9036), (373, 9108), (376, 9132), (377, 9135), (379, 9141), (385, 9162), (443, 9342), (483, 9468), (484, 9471), (496, 9522), (497, 9528), (502, 9543), (510, 9573), (516, 9582), (532, 9663), (544, 9699), (551, 9729), (577, 9780), (580, 9783),

Gene: Wamburgrxpress_5 Start: 2625, Stop: 4298, Start Num: 61

Candidate Starts for Wamburgrxpress_5:

(Start: 61 @2625 has 69 MA's), (101, 2688), (116, 2742), (127, 2766), (154, 2835), (162, 2859), (185, 2937), (192, 2973), (241, 3066), (244, 3069), (291, 3144), (322, 3183), (349, 3246), (356, 3273), (357, 3276), (365, 3297), (371, 3318), (380, 3360), (381, 3363), (424, 3465), (428, 3480), (430, 3486), (450, 3567), (460, 3594), (461, 3600), (490, 3693), (495, 3720), (497, 3729), (518, 3783), (521, 3804), (524, 3825), (530, 3852), (533, 3861), (549, 3921), (557, 3951), (564, 3960), (626, 4068), (653, 4263),

Gene: Wander_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for Wander_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Warda_3 Start: 2269, Stop: 3645, Start Num: 76

Candidate Starts for Warda_3:

(Start: 76 @2269 has 57 MA's), (Start: 129 @2389 has 2 MA's), (165, 2488), (175, 2527), (279, 2752), (342, 2845), (393, 3025), (456, 3193), (474, 3232), (478, 3262), (486, 3286), (530, 3460), (533, 3469), (575, 3580),

Gene: Warrior24_15 Start: 8351, Stop: 9811, Start Num: 59

Candidate Starts for Warrior24_15:

(Start: 59 @8351 has 322 MA's), (101, 8411), (136, 8516), (163, 8582), (213, 8765), (224, 8798), (247, 8831), (373, 9062), (377, 9089), (379, 9095), (385, 9116), (389, 9137), (400, 9167), (417, 9191), (453, 9311), (483, 9407), (491, 9434), (496, 9461), (501, 9479), (502, 9482), (510, 9515), (516, 9524), (544, 9641), (551, 9671), (580, 9725),

Gene: Waterfoul_7 Start: 2788, Stop: 4323, Start Num: 32

Candidate Starts for Waterfoul_7:

(Start: 32 @2788 has 139 MA's), (Start: 81 @2860 has 1 MA's), (99, 2896), (105, 2905), (116, 2950), (150, 3034), (154, 3046), (165, 3076), (170, 3094), (185, 3145), (192, 3181), (199, 3208), (224, 3259), (227, 3262), (231, 3268), (238, 3283), (240, 3286), (278, 3358), (289, 3379), (305, 3409), (331, 3454), (349, 3508), (362, 3553), (373, 3586), (380, 3622), (381, 3625), (382, 3628), (423, 3691), (429, 3709), (431, 3715), (445, 3787), (449, 3799), (450, 3802), (455, 3817), (475, 3862), (476, 3877), (482, 3898), (495, 3952), (496, 3955), (501, 3973), (505, 3988), (523, 4054), (526, 4069), (533, 4090), (538, 4108), (543, 4126), (553, 4162), (607, 4249),

Gene: Watermelon_14 Start: 9546, Stop: 10988, Start Num: 89

Candidate Starts for Watermelon_14:

(Start: 50 @9480 has 1 MA's), (Start: 89 @9546 has 214 MA's), (162, 9744), (224, 9957), (349, 10152), (352, 10164), (377, 10263), (446, 10458), (460, 10497), (483, 10575), (485, 10581), (496, 10629), (499, 10641), (502, 10650), (525, 10740), (551, 10830), (562, 10863), (573, 10875),

Gene: Watson_14 Start: 8646, Stop: 10100, Start Num: 58

Candidate Starts for Watson_14:

(Start: 58 @8646 has 296 MA's), (Start: 90 @8676 has 2 MA's), (101, 8703), (136, 8808), (179, 8922), (193, 8988), (209, 9045), (247, 9123), (248, 9126), (349, 9267), (377, 9378), (379, 9384), (385, 9405), (443, 9570), (483, 9696), (496, 9750), (497, 9756), (502, 9771), (516, 9807), (535, 9894), (544, 9924), (551, 9954), (573, 9999), (581, 10008),

Gene: WeiHuaDA_19 Start: 11481, Stop: 12932, Start Num: 59

Candidate Starts for WeiHuaDA_19:

(Start: 59 @11481 has 322 MA's), (101, 11541), (136, 11646), (188, 11805), (224, 11928), (247, 11961), (350, 12108), (352, 12117), (373, 12189), (377, 12216), (379, 12222), (385, 12243), (400, 12294), (464, 12471), (482, 12531), (485, 12540), (496, 12588), (502, 12609), (510, 12636), (516, 12645), (535, 12732), (544, 12762), (551, 12792), (560, 12822), (580, 12846),

Gene: Werner_7 Start: 4056, Stop: 5492, Start Num: 83

Candidate Starts for Werner_7:

(Start: 72 @4050 has 15 MA's), (Start: 83 @4056 has 105 MA's), (96, 4080), (106, 4104), (Start: 129 @4173 has 2 MA's), (148, 4221), (151, 4233), (165, 4272), (200, 4425), (269, 4539), (298, 4581), (312, 4608), (334, 4641), (337, 4647), (366, 4737), (370, 4749), (387, 4824), (392, 4842), (426, 4920), (436, 4965), (448, 5022), (513, 5235), (520, 5259), (551, 5391), (590, 5457), (611, 5478),

Gene: Whabigail7_15 Start: 9685, Stop: 11145, Start Num: 59

Candidate Starts for Whabigail7_15:

(Start: 59 @9685 has 322 MA's), (101, 9745), (136, 9850), (197, 10048), (224, 10132), (247, 10165), (349, 10309), (373, 10393), (377, 10420), (379, 10426), (385, 10447), (386, 10453), (400, 10498), (496, 10792), (501, 10810), (502, 10813), (510, 10840), (516, 10849), (544, 10966), (551, 10996), (560, 11026), (580, 11050),

Gene: Whatever_7 Start: 4056, Stop: 5492, Start Num: 83

Candidate Starts for Whatever_7:

(Start: 72 @4050 has 15 MA's), (Start: 83 @4056 has 105 MA's), (96, 4080), (106, 4104), (Start: 129 @4173 has 2 MA's), (148, 4221), (151, 4233), (165, 4272), (200, 4425), (269, 4539), (298, 4581), (312, 4608), (334, 4641), (337, 4647), (366, 4737), (370, 4749), (387, 4824), (392, 4842), (426, 4920), (436, 4965), (448, 5022), (513, 5235), (520, 5259), (551, 5391), (590, 5457), (611, 5478),

Gene: Wheeler_12 Start: 8712, Stop: 10154, Start Num: 89

Candidate Starts for Wheeler_12:

(Start: 50 @8646 has 1 MA's), (Start: 89 @8712 has 214 MA's), (162, 8910), (224, 9123), (349, 9318), (352, 9330), (377, 9429), (446, 9624), (460, 9663), (483, 9741), (485, 9747), (496, 9795), (499, 9807), (502, 9816), (525, 9906), (551, 9996), (562, 10029), (573, 10041),

Gene: Whirlwind_7 Start: 2751, Stop: 4391, Start Num: 61

Candidate Starts for Whirlwind_7:

(Start: 61 @2751 has 69 MA's), (99, 2811), (154, 2961), (165, 2991), (185, 3063), (200, 3129), (234, 3177), (291, 3270), (322, 3309), (347, 3366), (356, 3399), (359, 3408), (365, 3423), (430, 3612), (447, 3684), (461, 3726), (518, 3909), (530, 3978), (533, 3987), (549, 4047), (557, 4077), (564, 4086), (611, 4161), (626, 4194),

Gene: Whitspit_13 Start: 9299, Stop: 10765, Start Num: 59

Candidate Starts for Whitspit_13:

(Start: 59 @9299 has 322 MA's), (136, 9449), (200, 9689), (219, 9743), (233, 9773), (247, 9794), (299, 9875), (349, 9938), (377, 10049), (379, 10055), (385, 10076), (417, 10151), (427, 10166), (464, 10307), (496, 10424), (501, 10442), (516, 10481), (544, 10598), (551, 10628), (556, 10640),

Gene: WideWale_15 Start: 9710, Stop: 11170, Start Num: 59

Candidate Starts for WideWale_15:

(Start: 59 @9710 has 322 MA's), (101, 9770), (132, 9863), (136, 9875), (224, 10157), (247, 10190), (350, 10337), (352, 10346), (373, 10418), (377, 10445), (379, 10451), (385, 10472), (464, 10700), (496, 10817), (502, 10838), (510, 10865), (516, 10874), (544, 10991), (551, 11021), (560, 11051), (580, 11075),

Gene: Wigglewiggle_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Wigglewiggle_5:

(Start: 61 @2638 has 69 MA's), (127, 2779), (151, 2839), (153, 2845), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: Wiks_16 Start: 9265, Stop: 10731, Start Num: 59

Candidate Starts for Wiks_16:

(Start: 59 @9265 has 322 MA's), (Start: 72 @9286 has 15 MA's), (101, 9325), (131, 9412), (133, 9424), (136, 9430), (224, 9712), (258, 9766), (358, 9925), (373, 9976), (377, 10003), (379, 10009), (385, 10030), (432, 10132), (460, 10243), (502, 10396), (505, 10411), (510, 10423), (516, 10432), (527, 10498), (535, 10519), (544, 10549), (551, 10579), (560, 10609),

Gene: Wilbur_12 Start: 8577, Stop: 10028, Start Num: 58

Candidate Starts for Wilbur_12:

(Start: 58 @8577 has 296 MA's), (132, 8724), (136, 8736), (190, 8904), (197, 8934), (209, 8973), (215, 8991), (247, 9051), (344, 9180), (349, 9198), (377, 9309), (379, 9315), (385, 9336), (386, 9342), (411, 9411), (435, 9471), (443, 9516), (483, 9642), (484, 9645), (496, 9696), (497, 9702), (502, 9717), (510, 9747), (532, 9837), (544, 9873), (546, 9885), (551, 9903), (562, 9933),

Gene: Wildcat_27 Start: 9714, Stop: 11153, Start Num: 62

Candidate Starts for Wildcat_27:

(44, 9681), (Start: 58 @9705 has 296 MA's), (Start: 62 @9714 has 9 MA's), (96, 9765), (101, 9777), (106, 9789), (151, 9921), (153, 9927), (154, 9930), (155, 9933), (162, 9954), (165, 9960), (184, 10020), (185, 10029), (189, 10050), (221, 10128), (340, 10308), (352, 10338), (357, 10356), (362, 10371), (371, 10398), (377, 10431), (381, 10443), (382, 10446), (393, 10491), (418, 10527), (428, 10548), (442, 10611), (460, 10662), (483, 10734), (496, 10788), (498, 10797), (522, 10878), (527, 10908), (540, 10950), (546, 10977), (567, 11028), (574, 11037), (614, 11094), (631, 11133),

Gene: Wilder_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Wilder_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: Wildwest_4 Start: 3217, Stop: 4587, Start Num: 74

Candidate Starts for Wildwest_4:

(13, 2782), (19, 2923), (23, 3028), (Start: 74 @3217 has 11 MA's), (96, 3244), (Start: 129 @3334 has 2 MA's), (175, 3472), (228, 3604), (296, 3712), (393, 3970), (456, 4135), (474, 4174), (478, 4204), (486, 4228), (530, 4402), (533, 4411), (575, 4522),

Gene: Wile_12 Start: 8588, Stop: 10045, Start Num: 58

Candidate Starts for Wile_12:

(Start: 58 @8588 has 296 MA's), (132, 8738), (136, 8750), (186, 8897), (190, 8918), (197, 8948), (209, 8987), (215, 9005), (247, 9065), (344, 9194), (349, 9212), (352, 9224), (359, 9248), (377, 9323), (379, 9329), (385, 9350), (386, 9356), (435, 9485), (443, 9530), (483, 9656), (484, 9659), (496, 9710), (502, 9731), (510, 9758), (532, 9848), (544, 9884), (546, 9896), (551, 9914), (562, 9944),

Gene: Wilkins_12 Start: 8423, Stop: 9865, Start Num: 89

Candidate Starts for Wilkins_12:

(Start: 50 @8357 has 1 MA's), (Start: 89 @8423 has 214 MA's), (162, 8621), (224, 8834), (349, 9029), (352, 9041), (377, 9140), (398, 9212), (446, 9335), (460, 9374), (483, 9452), (485, 9458), (496, 9506), (499, 9518), (502, 9527), (525, 9617), (551, 9707), (562, 9740), (573, 9752),

Gene: Windest_4 Start: 2274, Stop: 3611, Start Num: 88

Candidate Starts for Windest_4:

(Start: 80 @2262 has 4 MA's), (Start: 88 @2274 has 31 MA's), (112, 2337), (130, 2385), (132, 2397), (182, 2538), (197, 2613), (224, 2679), (271, 2760), (355, 2883), (374, 2955), (375, 2964), (379, 2976), (380, 2979), (386, 3003), (399, 3045), (446, 3171), (486, 3297), (495, 3339), (498, 3351), (551, 3537), (556, 3546), (585, 3597),

Gene: Winky_5 Start: 2638, Stop: 4293, Start Num: 61

Candidate Starts for Winky_5:

(Start: 61 @2638 has 69 MA's), (101, 2701), (127, 2779), (151, 2839), (154, 2848), (162, 2872), (165, 2878), (185, 2950), (199, 3013), (234, 3064), (291, 3157), (322, 3196), (349, 3259), (352, 3271), (355, 3280), (356, 3286), (357, 3289), (365, 3310), (371, 3331), (373, 3337), (381, 3376), (420, 3472), (430, 3499), (460, 3607), (461, 3613), (490, 3706), (495, 3733), (518, 3796), (521, 3817), (524, 3838), (530, 3865), (533, 3874), (549, 3934), (557, 3964), (564, 3973), (570, 3979), (626, 4081), (637, 4114), (644, 4153), (653, 4258),

Gene: Wintermute_10 Start: 3921, Stop: 5507, Start Num: 30

Candidate Starts for Wintermute_10:

(Start: 29 @3906 has 30 MA's), (Start: 30 @3921 has 28 MA's), (Start: 39 @3945 has 1 MA's), (Start: 81 @4011 has 1 MA's), (105, 4056), (Start: 129 @4128 has 2 MA's), (150, 4185), (153, 4194), (154, 4197), (165, 4227), (185, 4296), (189, 4317), (197, 4353), (199, 4359), (208, 4383), (231, 4419), (238, 4434), (260, 4473), (333, 4608), (337, 4617), (345, 4635), (351, 4662), (352, 4665), (362, 4698), (373, 4731), (375, 4752), (382, 4773), (423, 4836), (431, 4860), (436, 4884), (445, 4932), (449, 4944), (453, 4956), (455, 4962), (472, 5001), (499, 5115), (501, 5121), (533, 5292), (541, 5319), (543, 5328), (567, 5391), (576, 5403),

Gene: Wizard007_12 Start: 8580, Stop: 10031, Start Num: 58

Candidate Starts for Wizard007_12:

(Start: 58 @8580 has 296 MA's), (136, 8739), (190, 8907), (197, 8937), (209, 8976), (215, 8994), (247, 9054), (344, 9183), (349, 9201), (377, 9312), (379, 9318), (385, 9339), (386, 9345), (411, 9414), (435, 9474), (443, 9519), (483, 9645), (484, 9648), (496, 9699), (497, 9705), (502, 9720), (510, 9750), (532, 9840), (544, 9876), (546, 9888), (551, 9906), (562, 9936),

Gene: Wolpertinger_12 Start: 9787, Stop: 11244, Start Num: 59

Candidate Starts for Wolpertinger_12:

(Start: 59 @9787 has 322 MA's), (97, 9832), (101, 9847), (136, 9952), (224, 10234), (247, 10267), (352, 10423), (373, 10495), (377, 10522), (379, 10528), (385, 10549), (400, 10600), (490, 10864), (496, 10894), (502, 10915), (505, 10930), (510, 10942), (516, 10951), (535, 11038), (544, 11068), (551, 11098), (560, 11128), (610, 11194),

Gene: Wooldri_16 Start: 8565, Stop: 10019, Start Num: 58

Candidate Starts for Wooldri_16:

(Start: 58 @8565 has 296 MA's), (Start: 90 @8595 has 2 MA's), (101, 8622), (136, 8727), (179, 8841), (193, 8907), (209, 8964), (247, 9042), (248, 9045), (349, 9186), (377, 9297), (379, 9303), (385, 9324), (443, 9489), (483, 9615), (496, 9669), (497, 9675), (502, 9690), (516, 9726), (535, 9813), (544, 9843), (551, 9873), (573, 9918), (581, 9927),

Gene: WorldCup_11 Start: 7969, Stop: 9453, Start Num: 59

Candidate Starts for WorldCup_11:

(Start: 59 @7969 has 322 MA's), (101, 8029), (131, 8116), (136, 8134), (200, 8344), (224, 8416), (259, 8473), (327, 8560), (349, 8593), (359, 8629), (362, 8638), (373, 8677), (377, 8704), (379, 8710), (385, 8731), (386, 8737), (400, 8782), (427, 8821), (496, 9079), (501, 9097), (510, 9127), (516, 9136), (542, 9247), (544, 9253), (551, 9283), (573, 9328), (580, 9337),

Gene: WunderPhul_16 Start: 9265, Stop: 10731, Start Num: 59

Candidate Starts for WunderPhul_16:

(Start: 59 @9265 has 322 MA's), (Start: 72 @9286 has 15 MA's), (101, 9325), (131, 9412), (133, 9424), (136, 9430), (224, 9712), (258, 9766), (358, 9925), (373, 9976), (377, 10003), (379, 10009), (385, 10030), (432, 10132), (460, 10243), (502, 10396), (505, 10411), (510, 10423), (516, 10432), (527, 10498), (535, 10519), (544, 10549), (551, 10579), (560, 10609),

Gene: Wyatt2_5 Start: 2625, Stop: 4298, Start Num: 61

Candidate Starts for Wyatt2_5:

(Start: 61 @2625 has 69 MA's), (101, 2688), (116, 2742), (127, 2766), (154, 2835), (162, 2859), (185, 2937), (192, 2973), (241, 3066), (244, 3069), (291, 3144), (322, 3183), (349, 3246), (356, 3273), (357, 3276), (365, 3297), (371, 3318), (380, 3360), (381, 3363), (424, 3465), (428, 3480), (430, 3486), (450, 3567), (460, 3594), (461, 3600), (490, 3693), (495, 3720), (497, 3729), (518, 3783), (521, 3804), (524, 3825), (530, 3852), (533, 3861), (549, 3921), (557, 3951), (564, 3960), (626, 4068), (653, 4263),

Gene: Xena_12 Start: 8575, Stop: 10032, Start Num: 58

Candidate Starts for Xena_12:

(Start: 58 @8575 has 296 MA's), (132, 8725), (136, 8737), (186, 8884), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (352, 9211), (359, 9235), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (502, 9718), (510, 9745), (532, 9835), (544, 9871), (546, 9883), (551, 9901), (562, 9931),

Gene: XianYue_13 Start: 9147, Stop: 10622, Start Num: 59

Candidate Starts for XianYue_13:

(Start: 59 @9147 has 322 MA's), (101, 9207), (136, 9312), (224, 9594), (247, 9627), (350, 9774), (352, 9783), (373, 9855), (377, 9882), (379, 9888), (385, 9909), (400, 9960), (460, 10122), (496, 10254), (502, 10275), (510, 10302), (516, 10311), (544, 10428), (551, 10458), (560, 10488), (580, 10512), (634, 10599),

Gene: Ximenita_9 Start: 3130, Stop: 4680, Start Num: 32

Candidate Starts for Ximenita_9:

(20, 2998), (22, 3025), (Start: 29 @3115 has 30 MA's), (Start: 32 @3130 has 139 MA's), (51, 3160), (99, 3238), (136, 3343), (153, 3385), (185, 3487), (192, 3523), (199, 3550), (238, 3628), (260, 3667),

(289, 3724), (330, 3793), (337, 3817), (349, 3853), (352, 3865), (362, 3898), (373, 3931), (375, 3952), (382, 3973), (388, 4003), (423, 4036), (429, 4054), (449, 4144), (450, 4147), (455, 4162), (474, 4198), (475, 4204), (484, 4246), (496, 4297), (501, 4315), (525, 4408), (526, 4411), (533, 4432), (540, 4456), (541, 4459), (543, 4468),

Gene: Y10_10 Start: 3922, Stop: 5508, Start Num: 30

Candidate Starts for Y10_10:

(Start: 29 @3907 has 30 MA's), (Start: 30 @3922 has 28 MA's), (Start: 39 @3946 has 1 MA's), (Start: 81 @4012 has 1 MA's), (105, 4057), (Start: 129 @4129 has 2 MA's), (150, 4186), (153, 4195), (154, 4198), (165, 4228), (185, 4297), (189, 4318), (192, 4333), (197, 4354), (199, 4360), (208, 4384), (231, 4420), (238, 4435), (260, 4474), (333, 4609), (337, 4618), (345, 4636), (351, 4663), (352, 4666), (362, 4699), (373, 4732), (375, 4753), (382, 4774), (423, 4837), (431, 4861), (436, 4885), (445, 4933), (449, 4945), (453, 4957), (455, 4963), (472, 5002), (499, 5116), (501, 5122), (533, 5293), (541, 5320), (543, 5329), (567, 5392), (576, 5404),

Gene: Y2_10 Start: 3922, Stop: 5508, Start Num: 30

Candidate Starts for Y2_10:

(Start: 29 @3907 has 30 MA's), (Start: 30 @3922 has 28 MA's), (Start: 39 @3946 has 1 MA's), (Start: 81 @4012 has 1 MA's), (105, 4057), (Start: 129 @4129 has 2 MA's), (150, 4186), (153, 4195), (154, 4198), (165, 4228), (185, 4297), (189, 4318), (192, 4333), (197, 4354), (199, 4360), (208, 4384), (231, 4420), (238, 4435), (260, 4474), (333, 4609), (337, 4618), (345, 4636), (351, 4663), (352, 4666), (362, 4699), (373, 4732), (375, 4753), (382, 4774), (423, 4837), (431, 4861), (436, 4885), (445, 4933), (449, 4945), (453, 4957), (455, 4963), (472, 5002), (499, 5116), (501, 5122), (533, 5293), (541, 5320), (543, 5329), (567, 5392), (576, 5404),

Gene: Yang_3 Start: 2261, Stop: 3796, Start Num: 73

Candidate Starts for Yang_3:

(Start: 73 @2261 has 17 MA's), (Start: 129 @2381 has 2 MA's), (165, 2480), (279, 2744), (393, 3017), (456, 3182), (474, 3221), (478, 3251), (486, 3275), (530, 3449), (543, 3494), (569, 3560), (597, 3608), (612, 3638), (623, 3659), (633, 3683), (638, 3710),

Gene: Yasdnii_7 Start: 4055, Stop: 5491, Start Num: 83

Candidate Starts for Yasdnii_7:

(Start: 72 @4049 has 15 MA's), (Start: 83 @4055 has 105 MA's), (96, 4079), (106, 4103), (Start: 129 @4172 has 2 MA's), (148, 4220), (151, 4232), (165, 4271), (200, 4424), (225, 4454), (269, 4538), (298, 4580), (334, 4640), (337, 4646), (366, 4736), (370, 4748), (387, 4823), (392, 4841), (426, 4919), (436, 4964), (448, 5021), (513, 5234), (520, 5258), (551, 5390), (611, 5477),

Gene: YasnayaPolyana_10 Start: 3946, Stop: 5508, Start Num: 39

Candidate Starts for YasnayaPolyana_10:

(Start: 29 @3907 has 30 MA's), (Start: 30 @3922 has 28 MA's), (Start: 39 @3946 has 1 MA's), (Start: 81 @4012 has 1 MA's), (105, 4057), (Start: 129 @4129 has 2 MA's), (150, 4186), (153, 4195), (154, 4198), (165, 4228), (185, 4297), (189, 4318), (197, 4354), (199, 4360), (208, 4384), (231, 4420), (238, 4435), (260, 4474), (333, 4609), (337, 4618), (345, 4636), (351, 4663), (352, 4666), (362, 4699), (373, 4732), (375, 4753), (382, 4774), (423, 4837), (431, 4861), (436, 4885), (445, 4933), (449, 4945), (453, 4957), (455, 4963), (472, 5002), (499, 5116), (501, 5122), (533, 5293), (541, 5320), (543, 5329), (567, 5392), (576, 5404),

Gene: Yecey3_13 Start: 8082, Stop: 9566, Start Num: 59

Candidate Starts for Yecey3_13:

(Start: 59 @8082 has 322 MA's), (Start: 66 @8094 has 4 MA's), (101, 8142), (136, 8247), (179, 8361), (200, 8457), (224, 8529), (344, 8688), (359, 8742), (362, 8751), (373, 8790), (377, 8817), (379, 8823), (385, 8844), (400, 8895), (446, 9018), (496, 9189), (501, 9207), (510, 9237), (516, 9246), (535, 9333),

(542, 9357), (544, 9363), (551, 9393), (573, 9438), (580, 9447),

Gene: YesChef_3 Start: 2320, Stop: 3696, Start Num: 76

Candidate Starts for YesChef_3:

(Start: 76 @2320 has 57 MA's), (Start: 129 @2440 has 2 MA's), (165, 2539), (175, 2578), (279, 2803), (342, 2896), (393, 3076), (456, 3244), (474, 3283), (478, 3313), (486, 3337), (530, 3511), (533, 3520), (575, 3631),

Gene: YoSam321_12 Start: 8578, Stop: 10029, Start Num: 58

Candidate Starts for YoSam321_12:

(Start: 58 @8578 has 296 MA's), (132, 8725), (136, 8737), (190, 8905), (197, 8935), (209, 8974), (215, 8992), (247, 9052), (344, 9181), (349, 9199), (370, 9274), (377, 9310), (379, 9316), (385, 9337), (386, 9343), (411, 9412), (435, 9472), (443, 9517), (483, 9643), (484, 9646), (496, 9697), (497, 9703), (502, 9718), (510, 9748), (532, 9838), (544, 9874), (551, 9904), (562, 9934),

Gene: Yogi_9 Start: 4835, Stop: 6265, Start Num: 58

Candidate Starts for Yogi_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (219, 5252), (299, 5381), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (449, 5765), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Yokurt_16 Start: 9265, Stop: 10731, Start Num: 59

Candidate Starts for Yokurt_16:

(Start: 59 @9265 has 322 MA's), (Start: 72 @9286 has 15 MA's), (101, 9325), (131, 9412), (133, 9424), (136, 9430), (224, 9712), (258, 9766), (358, 9925), (373, 9976), (377, 10003), (379, 10009), (385, 10030), (432, 10132), (460, 10243), (502, 10396), (505, 10411), (510, 10423), (516, 10432), (527, 10498), (535, 10519), (544, 10549), (551, 10579), (560, 10609),

Gene: Yoncess_9 Start: 4835, Stop: 6265, Start Num: 58

Candidate Starts for Yoncess_9:

(Start: 58 @4835 has 296 MA's), (149, 5012), (155, 5033), (165, 5060), (169, 5075), (186, 5138), (219, 5252), (299, 5381), (351, 5453), (374, 5540), (375, 5549), (377, 5555), (389, 5603), (417, 5657), (427, 5672), (431, 5681), (443, 5747), (446, 5756), (491, 5900), (501, 5945), (502, 5948), (526, 6041), (544, 6098), (551, 6128), (560, 6155), (573, 6167), (577, 6173),

Gene: Yosif_8 Start: 4526, Stop: 5956, Start Num: 83

Candidate Starts for Yosif_8:

(Start: 83 @4526 has 105 MA's), (Start: 129 @4643 has 2 MA's), (151, 4703), (185, 4838), (189, 4859), (237, 4946), (334, 5111), (344, 5129), (366, 5204), (370, 5216), (387, 5291), (392, 5309), (426, 5384), (440, 5459), (448, 5486), (482, 5591), (519, 5711), (520, 5723), (541, 5813), (551, 5855), (611, 5945),

Gene: YoungHarleezy_4 Start: 2273, Stop: 3610, Start Num: 88

Candidate Starts for YoungHarleezy_4:

(27, 2153), (28, 2156), (38, 2195), (41, 2198), (47, 2210), (67, 2246), (Start: 80 @2261 has 4 MA's), (Start: 88 @2273 has 31 MA's), (130, 2384), (132, 2396), (216, 2654), (247, 2711), (271, 2759), (347, 2855), (352, 2873), (355, 2882), (375, 2963), (379, 2975), (380, 2978), (386, 3002), (399, 3044), (446, 3170), (464, 3224), (483, 3287), (495, 3338), (498, 3350), (512, 3389), (526, 3455), (551, 3536), (552, 3539), (556, 3545), (585, 3596),

Gene: YoureAdopted_8 Start: 2996, Stop: 4552, Start Num: 32

Candidate Starts for YoureAdopted_8:

(22, 2894), (Start: 29 @2981 has 30 MA's), (Start: 32 @2996 has 139 MA's), (96, 3095), (99, 3104), (125, 3176), (Start: 129 @3185 has 2 MA's), (136, 3209), (150, 3242), (153, 3251), (165, 3284), (185, 3353), (189, 3374), (199, 3416), (231, 3482), (238, 3497), (278, 3572), (289, 3593), (321, 3647), (362, 3767), (373, 3800), (375, 3821), (382, 3842), (388, 3872), (423, 3905), (429, 3923), (445, 4001), (449, 4013), (450, 4016), (454, 4028), (455, 4031), (474, 4067), (484, 4115), (496, 4166), (501, 4184), (526, 4280), (533, 4301), (541, 4328), (543, 4337), (553, 4373),

Gene: Yuna_9 Start: 3102, Stop: 4664, Start Num: 32

Candidate Starts for Yuna_9:

(20, 2970), (22, 2997), (Start: 29 @3087 has 30 MA's), (Start: 32 @3102 has 139 MA's), (Start: 88 @3198 has 31 MA's), (99, 3219), (105, 3228), (107, 3234), (111, 3249), (115, 3261), (Start: 129 @3300 has 2 MA's), (136, 3324), (153, 3366), (185, 3468), (189, 3489), (192, 3504), (231, 3594), (238, 3609), (289, 3705), (294, 3714), (301, 3729), (352, 3846), (362, 3879), (373, 3912), (375, 3933), (382, 3954), (388, 3984), (423, 4017), (429, 4035), (445, 4113), (449, 4125), (454, 4140), (455, 4143), (474, 4179), (484, 4227), (496, 4278), (501, 4296), (523, 4377), (525, 4389), (533, 4413), (541, 4440), (543, 4449),

Gene: Yunkel11_9 Start: 3023, Stop: 4576, Start Num: 32

Candidate Starts for Yunkel11_9:

(Start: 29 @3008 has 30 MA's), (Start: 32 @3023 has 139 MA's), (96, 3116), (99, 3125), (111, 3155), (136, 3230), (150, 3263), (153, 3272), (185, 3374), (189, 3395), (192, 3410), (197, 3431), (199, 3437), (238, 3515), (260, 3554), (289, 3611), (362, 3785), (375, 3839), (382, 3860), (388, 3890), (423, 3923), (445, 4019), (449, 4031), (450, 4034), (454, 4046), (455, 4049), (460, 4061), (469, 4082), (474, 4085), (501, 4202), (525, 4295), (533, 4319), (540, 4343), (541, 4346), (543, 4355), (576, 4430), (607, 4478),

Gene: Zabiza_9 Start: 3020, Stop: 4579, Start Num: 32

Candidate Starts for Zabiza_9:

(22, 2918), (Start: 29 @3005 has 30 MA's), (Start: 32 @3020 has 139 MA's), (96, 3122), (99, 3131), (125, 3203), (Start: 129 @3212 has 2 MA's), (136, 3236), (150, 3269), (153, 3278), (165, 3311), (170, 3329), (185, 3380), (189, 3401), (199, 3443), (231, 3509), (238, 3524), (278, 3599), (289, 3620), (321, 3674), (362, 3794), (373, 3827), (375, 3848), (382, 3869), (388, 3899), (423, 3932), (429, 3950), (445, 4028), (449, 4040), (450, 4043), (454, 4055), (455, 4058), (474, 4094), (484, 4142), (496, 4193), (501, 4211), (526, 4307), (533, 4328), (541, 4355), (543, 4364), (553, 4400),

Gene: Zainub_9 Start: 4426, Stop: 5895, Start Num: 83

Candidate Starts for Zainub_9:

(Start: 83 @4426 has 105 MA's), (Start: 129 @4543 has 2 MA's), (151, 4603), (165, 4642), (185, 4735), (189, 4756), (298, 4948), (312, 4975), (351, 5053), (370, 5113), (379, 5155), (387, 5188), (392, 5206), (399, 5224), (402, 5233), (418, 5314), (436, 5371), (446, 5422), (448, 5428), (501, 5608), (520, 5665), (541, 5755), (543, 5764), (611, 5881),

Gene: Zaka_16 Start: 9265, Stop: 10731, Start Num: 59

Candidate Starts for Zaka_16:

(Start: 59 @9265 has 322 MA's), (Start: 72 @9286 has 15 MA's), (101, 9325), (131, 9412), (133, 9424), (136, 9430), (224, 9712), (258, 9766), (358, 9925), (373, 9976), (377, 10003), (379, 10009), (385, 10030), (432, 10132), (460, 10243), (502, 10396), (505, 10411), (510, 10423), (516, 10432), (527, 10498), (535, 10519), (544, 10549), (551, 10579), (560, 10609),

Gene: Zakai_5 Start: 2626, Stop: 4281, Start Num: 61

Candidate Starts for Zakai_5:

(Start: 61 @2626 has 69 MA's), (101, 2689), (127, 2767), (151, 2827), (154, 2836), (162, 2860), (165, 2866), (185, 2938), (199, 3001), (234, 3052), (291, 3145), (322, 3184), (349, 3247), (352, 3259), (355, 3268), (356, 3274), (357, 3277), (365, 3298), (371, 3319), (373, 3325), (381, 3364), (420, 3460), (430,

3487), (460, 3595), (461, 3601), (490, 3694), (495, 3721), (518, 3784), (521, 3805), (524, 3826), (530, 3853), (533, 3862), (549, 3922), (557, 3952), (564, 3961), (570, 3967), (626, 4069), (637, 4102), (644, 4141), (653, 4246),

Gene: ZamZam_7 Start: 4178, Stop: 5602, Start Num: 83

Candidate Starts for ZamZam_7:

(Start: 83 @4178 has 105 MA's), (Start: 129 @4295 has 2 MA's), (148, 4343), (151, 4355), (185, 4490), (265, 4655), (312, 4730), (334, 4763), (337, 4769), (370, 4868), (387, 4943), (392, 4961), (409, 5000), (426, 5036), (436, 5081), (448, 5138), (482, 5243), (520, 5375), (551, 5507), (566, 5537), (606, 5588),

Gene: Zарафа_12 Start: 8255, Stop: 9721, Start Num: 59

Candidate Starts for Zарафа_12:

(Start: 59 @8255 has 322 MA's), (136, 8426), (169, 8510), (186, 8573), (193, 8606), (197, 8624), (209, 8663), (219, 8690), (245, 8738), (347, 8879), (350, 8888), (373, 8969), (376, 8993), (377, 8996), (379, 9002), (385, 9023), (386, 9029), (443, 9200), (483, 9326), (484, 9329), (496, 9380), (497, 9386), (502, 9401), (510, 9431), (544, 9557), (551, 9587), (562, 9617),

Gene: Zaria_5 Start: 2625, Stop: 4298, Start Num: 61

Candidate Starts for Zaria_5:

(Start: 61 @2625 has 69 MA's), (101, 2688), (116, 2742), (127, 2766), (154, 2835), (162, 2859), (185, 2937), (192, 2973), (241, 3066), (244, 3069), (291, 3144), (322, 3183), (349, 3246), (356, 3273), (357, 3276), (365, 3297), (371, 3318), (380, 3360), (381, 3363), (424, 3465), (428, 3480), (430, 3486), (450, 3567), (460, 3594), (461, 3600), (490, 3693), (495, 3720), (497, 3729), (518, 3783), (521, 3804), (524, 3825), (530, 3852), (533, 3861), (549, 3921), (557, 3951), (564, 3960), (626, 4068), (653, 4263),

Gene: Zavala_9 Start: 3005, Stop: 4561, Start Num: 32

Candidate Starts for Zavala_9:

(22, 2903), (Start: 29 @2990 has 30 MA's), (Start: 32 @3005 has 139 MA's), (96, 3104), (99, 3113), (125, 3185), (Start: 129 @3194 has 2 MA's), (136, 3218), (150, 3251), (153, 3260), (165, 3293), (185, 3362), (189, 3383), (199, 3425), (231, 3491), (238, 3506), (278, 3581), (289, 3602), (321, 3656), (362, 3776), (373, 3809), (375, 3830), (382, 3851), (388, 3881), (423, 3914), (429, 3932), (445, 4010), (449, 4022), (450, 4025), (454, 4037), (455, 4040), (474, 4076), (484, 4124), (496, 4175), (501, 4193), (526, 4289), (533, 4310), (541, 4337), (543, 4346), (553, 4382),

Gene: Zeeculate_11 Start: 8407, Stop: 9849, Start Num: 89

Candidate Starts for Zeeculate_11:

(Start: 50 @8341 has 1 MA's), (Start: 89 @8407 has 214 MA's), (162, 8605), (224, 8818), (349, 9013), (352, 9025), (377, 9124), (398, 9196), (446, 9319), (460, 9358), (483, 9436), (485, 9442), (496, 9490), (499, 9502), (502, 9511), (525, 9601), (551, 9691), (562, 9724), (573, 9736),

Gene: Zemlya_8 Start: 4055, Stop: 5491, Start Num: 83

Candidate Starts for Zemlya_8:

(Start: 72 @4049 has 15 MA's), (Start: 83 @4055 has 105 MA's), (96, 4079), (106, 4103), (Start: 129 @4172 has 2 MA's), (148, 4220), (165, 4271), (200, 4424), (225, 4454), (269, 4538), (298, 4580), (337, 4646), (366, 4736), (370, 4748), (392, 4841), (426, 4919), (436, 4964), (448, 5021), (456, 5045), (513, 5234), (520, 5258), (611, 5477),

Gene: Zephyr_12 Start: 8548, Stop: 9990, Start Num: 89

Candidate Starts for Zephyr_12:

(Start: 50 @8482 has 1 MA's), (Start: 89 @8548 has 214 MA's), (162, 8746), (224, 8959), (300, 9088), (349, 9154), (351, 9163), (377, 9265), (398, 9337), (446, 9460), (460, 9499), (483, 9577), (485, 9583), (496, 9631), (499, 9643), (502, 9652), (525, 9742), (551, 9832), (562, 9865), (573, 9877),

Gene: Zeta1847_3 Start: 2253, Stop: 3662, Start Num: 76

Candidate Starts for Zeta1847_3:

(Start: 76 @2253 has 57 MA's), (Start: 129 @2373 has 2 MA's), (335, 2817), (349, 2853), (351, 2862), (365, 2898), (376, 2949), (381, 2964), (383, 2970), (463, 3216), (503, 3360), (522, 3417), (530, 3456), (541, 3492), (577, 3576), (617, 3651),

Gene: Zetzy_13 Start: 8219, Stop: 9673, Start Num: 58

Candidate Starts for Zetzy_13:

(Start: 58 @8219 has 296 MA's), (Start: 90 @8249 has 2 MA's), (101, 8276), (136, 8381), (179, 8495), (193, 8561), (209, 8618), (219, 8645), (247, 8696), (349, 8840), (377, 8951), (379, 8957), (385, 8978), (443, 9143), (483, 9269), (496, 9323), (497, 9329), (502, 9344), (516, 9380), (535, 9467), (544, 9497), (551, 9527), (573, 9572), (581, 9581),

Gene: Zeuska_13 Start: 9226, Stop: 10668, Start Num: 89

Candidate Starts for Zeuska_13:

(Start: 50 @9160 has 1 MA's), (Start: 89 @9226 has 214 MA's), (162, 9424), (224, 9637), (349, 9832), (352, 9844), (377, 9943), (446, 10138), (460, 10177), (483, 10255), (485, 10261), (496, 10309), (499, 10321), (502, 10330), (525, 10420), (551, 10510), (562, 10543), (573, 10555),

Gene: ZhongYanYuan_4 Start: 2470, Stop: 4125, Start Num: 61

Candidate Starts for ZhongYanYuan_4:

(Start: 61 @2470 has 69 MA's), (101, 2533), (127, 2611), (154, 2680), (162, 2704), (165, 2710), (185, 2782), (192, 2818), (199, 2845), (234, 2896), (291, 2989), (322, 3028), (347, 3085), (349, 3091), (352, 3103), (355, 3112), (356, 3118), (357, 3121), (365, 3142), (371, 3163), (373, 3169), (381, 3208), (420, 3304), (430, 3331), (460, 3439), (461, 3445), (490, 3538), (495, 3565), (518, 3628), (521, 3649), (524, 3670), (530, 3697), (533, 3706), (549, 3766), (557, 3796), (564, 3805), (570, 3811), (621, 3901), (626, 3913), (637, 3946), (644, 3985), (653, 4090),

Gene: Ziko_38 Start: 12130, Stop: 13536, Start Num: 82

Candidate Starts for Ziko_38:

(Start: 82 @12130 has 8 MA's), (107, 12169), (118, 12217), (145, 12277), (185, 12403), (199, 12466), (201, 12472), (224, 12517), (297, 12652), (338, 12721), (365, 12802), (371, 12823), (375, 12850), (423, 12934), (449, 13042), (488, 13165), (494, 13195), (495, 13198), (526, 13306), (527, 13312), (537, 13342), (540, 13351), (541, 13354), (543, 13363), (573, 13435), (579, 13444), (588, 13459),

Gene: Zimmer_15 Start: 10806, Stop: 12263, Start Num: 59

Candidate Starts for Zimmer_15:

(Start: 59 @10806 has 322 MA's), (101, 10866), (136, 10971), (155, 11013), (179, 11085), (200, 11181), (224, 11253), (247, 11286), (348, 11427), (351, 11439), (373, 11514), (377, 11541), (379, 11547), (385, 11568), (400, 11619), (496, 11913), (501, 11931), (505, 11949), (510, 11961), (516, 11970), (526, 12030), (544, 12087), (551, 12117), (555, 12126), (560, 12147), (571, 12159), (628, 12240),

Gene: ZoeJ_5 Start: 2085, Stop: 3584, Start Num: 30

Candidate Starts for ZoeJ_5:

(20, 1944), (Start: 29 @2070 has 30 MA's), (Start: 30 @2085 has 28 MA's), (99, 2187), (107, 2202), (Start: 129 @2268 has 2 MA's), (139, 2301), (150, 2325), (154, 2337), (162, 2361), (165, 2367), (182, 2418), (185, 2436), (189, 2457), (197, 2493), (199, 2499), (208, 2523), (231, 2559), (278, 2649), (337, 2757), (351, 2802), (352, 2805), (355, 2814), (362, 2838), (375, 2892), (382, 2913), (388, 2943), (423, 2976), (429, 2994), (431, 3000), (436, 3024), (449, 3084), (453, 3096), (455, 3102), (472, 3141), (496, 3243), (501, 3261), (519, 3306), (537, 3393), (540, 3402), (541, 3405), (543, 3414), (557, 3465), (594, 3510), (629, 3561),

Gene: Zolita_9 Start: 8017, Stop: 9450, Start Num: 59

Candidate Starts for Zolita_9:

(Start: 59 @8017 has 322 MA's), (132, 8152), (149, 8185), (153, 8200), (155, 8206), (165, 8233), (200, 8374), (209, 8401), (247, 8479), (299, 8560), (349, 8623), (350, 8626), (351, 8632), (352, 8635), (373, 8707), (379, 8740), (385, 8761), (392, 8791), (483, 9052), (496, 9106), (501, 9124), (516, 9163), (544, 9280), (551, 9310), (573, 9355), (581, 9364),

Gene: Zulu_16 Start: 9264, Stop: 10730, Start Num: 59

Candidate Starts for Zulu_16:

(Start: 59 @9264 has 322 MA's), (Start: 72 @9285 has 15 MA's), (101, 9324), (131, 9411), (133, 9423), (136, 9429), (224, 9711), (258, 9765), (358, 9924), (373, 9975), (377, 10002), (379, 10008), (385, 10029), (432, 10131), (460, 10242), (502, 10395), (505, 10410), (510, 10422), (516, 10431), (527, 10497), (535, 10518), (544, 10548), (551, 10578), (560, 10608),

Gene: phiCAM_07 Start: 4309, Stop: 5625, Start Num: 129

Candidate Starts for phiCAM_07:

(Start: 57 @4159 has 1 MA's), (60, 4165), (Start: 83 @4192 has 105 MA's), (Start: 129 @4309 has 2 MA's), (148, 4357), (151, 4369), (237, 4612), (288, 4699), (323, 4759), (334, 4777), (337, 4783), (370, 4882), (387, 4957), (392, 4975), (409, 5014), (426, 5050), (448, 5152), (496, 5314), (501, 5332), (504, 5344), (520, 5389), (541, 5479), (551, 5521),

Gene: phiHau3_9 Start: 4031, Stop: 5515, Start Num: 83

Candidate Starts for phiHau3_9:

(Start: 83 @4031 has 105 MA's), (Start: 129 @4148 has 2 MA's), (148, 4196), (276, 4523), (298, 4556), (334, 4616), (366, 4709), (370, 4721), (387, 4796), (392, 4814), (397, 4826), (399, 4832), (432, 4958), (446, 5030), (448, 5036), (477, 5123), (495, 5195), (518, 5258), (520, 5273), (541, 5363), (551, 5405), (599, 5477),

Gene: phiSASD1_23 Start: 2181, Stop: 3668, Start Num: 81

Candidate Starts for phiSASD1_23:

(Start: 81 @2181 has 1 MA's), (106, 2232), (107, 2235), (111, 2250), (159, 2385), (165, 2400), (167, 2409), (171, 2424), (184, 2463), (188, 2490), (192, 2508), (216, 2571), (229, 2601), (351, 2844), (352, 2847), (354, 2853), (370, 2904), (373, 2913), (398, 3012), (423, 3063), (432, 3090), (448, 3168), (450, 3174), (471, 3228), (550, 3528), (551, 3534), (560, 3564), (576, 3585), (602, 3627),