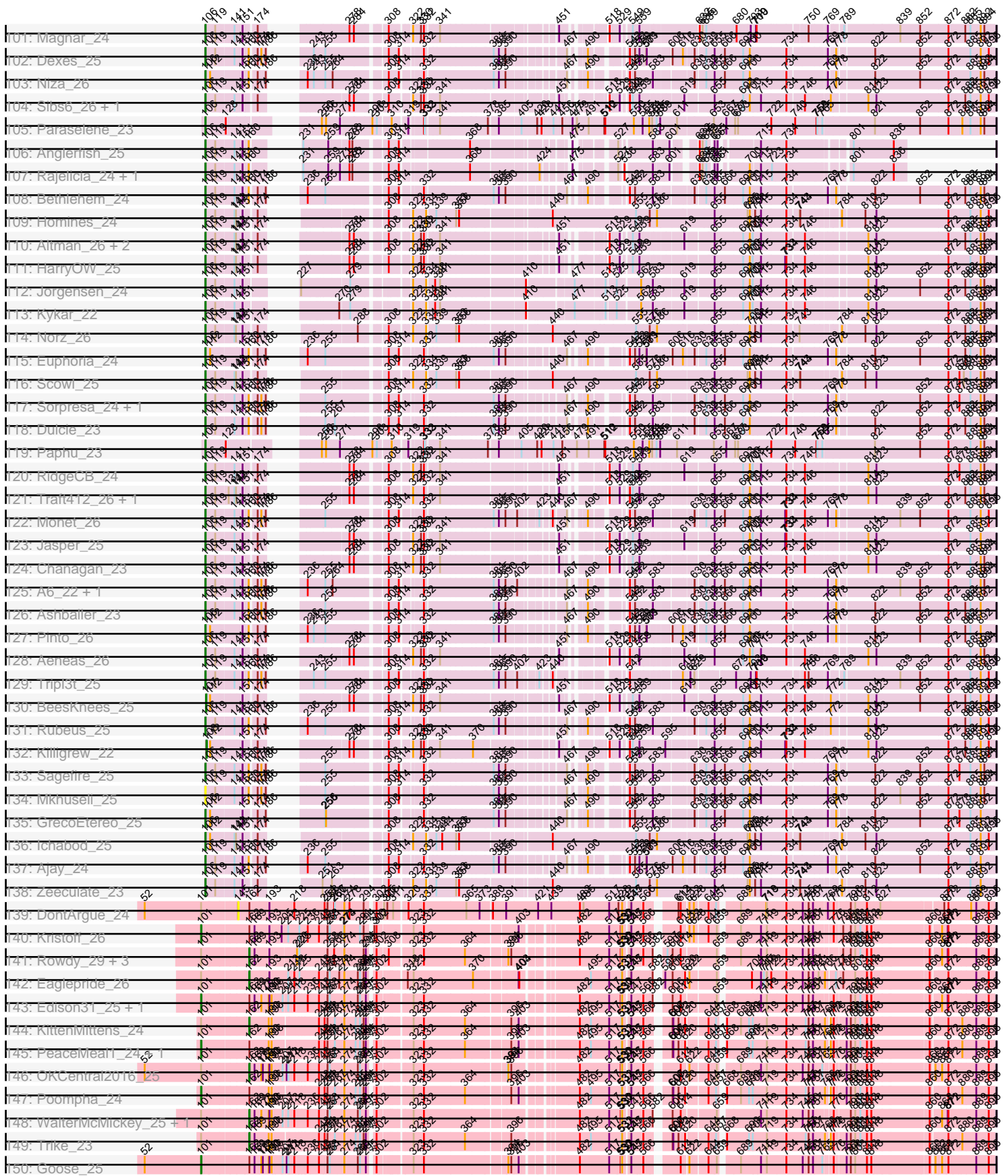


Pham 189306



	17	75	89	110	129	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822
#01: Toro_26 + 1	36	59	75	110	129	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822
#02: Hinder_25	75	89	110	129	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822	
#03: Sheen_27	33	59	75	110	129	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822
#04: PP_357	2	14	36	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822
#05: Droog_kim	2	14	36	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822
#06: High5_26	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#07: Dancin_21	32	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#08: Euphoria_mus_1 + 2	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822			
#09: Dagon_622	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#10: Pillis_622	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#11: Sant_6_22	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#12: Rogan_622	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#13: Nearly Headless	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#14: JIawan_26	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#15: Darrell_28	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#16: Eidsmoe_37 + 33	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#17: Charm_26	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#18: Conquerage_27	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#19: Beemo_27 + 4	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#20: Toaka_25	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#21: Vanisoa_26	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#22: RyeScarlet_28 +	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#23: Tubs_27 + 6	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#24: EmyBug_27	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#25: Rahaleujan_25	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#26: Horex_26	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#27: BogosyJay_27	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#28: Catalina_27	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#29: EdogawaKiddo	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#30: Onglai_26	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#31: Sneakera_26	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#32: Scherzo_27 + 1	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#33: Arissanae_39	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#34: Yecy3_26	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#35: Elephantoon_27	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#36: Keziacharles14	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#37: Mammiana_67	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#38: LoneWolf_27	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#39: Lilieskat_25	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		
#40: DreamTeam1_26	39	75	110	147	201	226	300	366	383	375	382	400	472	500	550	621	688	699	738	754	789	820	822		

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 189306 Report

This analysis was run 11/02/24 on database version 579.

Pham number 189306 has 826 members, 58 are drafts.

Phages represented in each track:

- Track 1 : Chargerpower_26
- Track 2 : Corvo_24, Snazzy_22
- Track 3 : StrongArm_23, Bexan_23
- Track 4 : HermioneGrange_24, TwoPeat_25
- Track 5 : Eyeball_24
- Track 6 : QTRlifeCrisis_24
- Track 7 : Graduation_26
- Track 8 : Naira_25, Fenn_25, Squee_25
- Track 9 : Nhonho_24
- Track 10 : SwissCheese_24
- Track 11 : Pelly_25, Marge_25, AFIS_24
- Track 12 : KSSJEB_24, Seabiscuit_26, DreamCatcher_27, Switzer_25, U2_24
- Track 13 : Forsytheast_23, Moose_23
- Track 14 : Magnito_23, Turj99_23
- Track 15 : SarFire_24, Thor_24
- Track 16 : Bob3_23, Molly_25, MPlant7149_23, NEHalo_24, Jerm2_25, BigMau_26, Zephyr_24, Lopton_25, Rohr_25
- Track 17 : Conceptll_25
- Track 18 : Atkinbua_25
- Track 19 : Fushigi_25
- Track 20 : Lamina13_24
- Track 21 : Oogway_23
- Track 22 : Gandalf20_25
- Track 23 : Ohno789_24, MetalQZJ_24, MaryBeth_24, Teodoridan_22, Hami1_26
- Track 24 : Peterson_27
- Track 25 : Gwendoluna_26, Blue_24, LilBib_25
- Track 26 : Wilkins_24, Topgun_24
- Track 27 : Licorice_26
- Track 28 : MrGordo_24, Barriga_24, Big3_24
- Track 29 : Smairt_25, Violet_23, Maroc7_23
- Track 30 : BPBiabs31_25, Solon_24, Pita2_26, PSullivan_26, Rufus_25, Tote_26, JuliaChild_26, Ciao_24, Swole_26, Sanya_23
- Track 31 : Fascinus_23
- Track 32 : Papez_26, Francis47_24
- Track 33 : Wheeler_24
- Track 34 : Bigfoot_23
- Track 35 : CactusRose_23

- Track 36 : SkiPole_26
- Track 37 : Marcell_24
- Track 38 : Petp2012_26
- Track 39 : Target_26
- Track 40 : SpikeBT_26, ShortQueendom_23
- Track 41 : PinkPlastic_23
- Track 42 : Briton15_26, McGuire_25, Dynamix_25
- Track 43 : Gompeii16_24, Bircsak_24
- Track 44 : Mule_24, Crispicous1_23, PhrostyMug_24
- Track 45 : Agaliana_25
- Track 46 : Beatrix_23
- Track 47 : Acme_26, Greg_26, Pippin_26, Fajezeel_26
- Track 48 : Mryolo_23
- Track 49 : Ruotula_23
- Track 50 : Nerujay_25, Zeuska_25, Applejack_24, KyMonks1A_26, Kugel_25, Sunshine924_23
- Track 51 : Ringer_24
- Track 52 : StewieG_23
- Track 53 : GageAP_26
- Track 54 : Pepe_25
- Track 55 : Tasp14_25, Parliament_23
- Track 56 : PascalRango_23
- Track 57 : ILeeKay_26, Sumter_23
- Track 58 : Inyanga_23
- Track 59 : Petruchio_24
- Track 60 : Bruns_23
- Track 61 : PattyP_26, Burton_25, Slagathor_25, Museum_26
- Track 62 : Alvin_25
- Track 63 : HanShotFirst_24
- Track 64 : Seanderson_25
- Track 65 : Makemake_24
- Track 66 : Gyzlar_26
- Track 67 : DrFeelGood_23
- Track 68 : DD5_25, Lockley_24, Watermelon_26
- Track 69 : Lesedi_23
- Track 70 : Bones_24
- Track 71 : Payneferd_24, Marchy_23
- Track 72 : Adahisdi_25
- Track 73 : Rutherferd_26
- Track 74 : Doom_25
- Track 75 : Abrogate_250
- Track 76 : Abbyshoes_25, Dussy_25, Kenmech_27
- Track 77 : JackSparrow_25
- Track 78 : Dreamboat_25
- Track 79 : Trouble_24
- Track 80 : Rhynn_24
- Track 81 : Edtherson_25, Treddle_26
- Track 82 : BillKnuckles_25, Bxb1_22
- Track 83 : BigPaolini_25
- Track 84 : Marsha_24
- Track 85 : Manatee_25, Pari_25
- Track 86 : Perseus_25
- Track 87 : Carlyle_26

- Track 88 : BaconJack_26
- Track 89 : STLscum_25
- Track 90 : PherrisBueller_25
- Track 91 : ProMouse_23
- Track 92 : IgnatiusPatJac_23, BluSpix_24
- Track 93 : Froghopper_25
- Track 94 : Espresso_24, Michley_24, KBG_25, PacerPaul_24
- Track 95 : Smeagol_26
- Track 96 : Buttons_25
- Track 97 : Alsfro_28
- Track 98 : TheloniousMonk_26
- Track 99 : Hope4ever_24
- Track 100 : Hermia_26
- Track 101 : Magnar_24
- Track 102 : Dexes_25
- Track 103 : Niza_26
- Track 104 : Sibs6_26, Arlo_23
- Track 105 : Paraselene_23
- Track 106 : Anglerfish_25
- Track 107 : Rajelicia_24, Arcanine_25
- Track 108 : Bethlehem_24
- Track 109 : Homines_24
- Track 110 : Altman_26, Kanely_25, Cueylyss_24
- Track 111 : HarryOW_25
- Track 112 : Jorgensen_24
- Track 113 : Kykar_22
- Track 114 : Norz_26
- Track 115 : Euphoria_24
- Track 116 : Scowl_25
- Track 117 : Sorpresa_24, Sandaddy_23
- Track 118 : Dulcie_23
- Track 119 : Paphu_23
- Track 120 : RidgeCB_24
- Track 121 : Traft412_26, JC27_26
- Track 122 : Monet_26
- Track 123 : Jasper_25
- Track 124 : Chanagan_23
- Track 125 : A6_22, BK1_22
- Track 126 : Ashballer_23
- Track 127 : Pinto_26
- Track 128 : Aeneas_26
- Track 129 : Tripl3t_25
- Track 130 : BeesKnees_25
- Track 131 : Rubeus_25
- Track 132 : Killigrew_22
- Track 133 : Sagefire_25
- Track 134 : Mkhuseli_25
- Track 135 : GrecoEtereo_25
- Track 136 : Ichabod_25
- Track 137 : Ajay_24
- Track 138 : Zeeculate_23
- Track 139 : DontArgue_24
- Track 140 : Kristoff_26

- Track 141 : Rowdy_29, RhynO_26, DustyMartin_29, Shapes_29
- Track 142 : Eaglepride_26
- Track 143 : Edison31_25, Twister_25
- Track 144 : KittenMittens_24
- Track 145 : PeaceMeal1_24, Drake94_24
- Track 146 : OKCentral2016_25
- Track 147 : Poompha_24
- Track 148 : WalterMcMickey_25, Topanga_25
- Track 149 : Trike_23
- Track 150 : Goose_25
- Track 151 : Severus_24
- Track 152 : Rebeuca_26
- Track 153 : Chupacabra_25
- Track 154 : Petersenfast_25
- Track 155 : Aneem_26
- Track 156 : Flaverint_26, Salz_26, Hutc2_26, Orange_26, Jabith_26, Insomnia_26, Bowtie_26, Mabel_26, Mulciber_26, Sham4_26, Lucivia_26, Gilberta_26, MaCh_26
- Track 157 : Bachome_26, Ebony_26
- Track 158 : Timothy_26, Fibonacci_26
- Track 159 : TinyTimmy_26
- Track 160 : Joselito_26
- Track 161 : Bud_26, Et2Brutus_25, Snape_26, Munch_26
- Track 162 : Refuge_29
- Track 163 : Pharaoh_26
- Track 164 : DarthPhader_27
- Track 165 : Steamy_27
- Track 166 : Zimmer_28
- Track 167 : Phlei_21
- Track 168 : Jeeves_25
- Track 169 : Gail_25
- Track 170 : SororFago_25
- Track 171 : Luchador_27
- Track 172 : Sunhee_24
- Track 173 : Anon_26
- Track 174 : Epsocamisio_28, Strosahl_28, Boohoo_28, Oofda_29, ReMo_28, Looper_29, Remus_28, Rosalind_28, Soups_28, Waits_28, ShayRa_29, Switzerland_28, LastResort_28
- Track 175 : DekHockey33_28, KatherineG_28
- Track 176 : Battleship_29, JSwag_28, MinecraftSteve_29, Anaysia_28
- Track 177 : Nedarya_27
- Track 178 : Nebulosus_28
- Track 179 : PainterBoy_27
- Track 180 : EagleEye_28
- Track 181 : Lucyedi_27
- Track 182 : 40AC_29
- Track 183 : MyraDee_23
- Track 184 : Kimona_22
- Track 185 : SemperFi_28, QueenBeesly_26, Georgie2_27, SweetiePie_26, Crucio_26, FiringLine_26
- Track 186 : Trooper_26
- Track 187 : TipsytheTRex_25
- Track 188 : Benvolio_26, Echild_26
- Track 189 : Bradman_25, MajorMajor_25, Quokka_24

- Track 190 : Jsquared_25
- Track 191 : Odin_25
- Track 192 : Herbertwm_23
- Track 193 : AbbyPaige_28
- Track 194 : Whabigail7_28
- Track 195 : Equemioh13_28, Baehexic_27, Updawg_28, MiculUcigas_26, WideWale_28
- Track 196 : Larenn_27
- Track 197 : D29_26, D32_29, Naji_29, Travvers_29
- Track 198 : QueenB2_26, Fameo_26
- Track 199 : Colin_30
- Track 200 : Adzzy_27
- Track 201 : IronMan_28
- Track 202 : WeiHuaDA_32
- Track 203 : Flare16_26
- Track 204 : Phaded_29
- Track 205 : Retro23_26, Dalmatian_26
- Track 206 : L5_26
- Track 207 : MissWhite_26
- Track 208 : Kerberos_29, Tomathan_29
- Track 209 : Che12_28
- Track 210 : BobSwaget_29
- Track 211 : BiancaTri92_28
- Track 212 : NothingSpecial_28
- Track 213 : Piro94_27
- Track 214 : ANI8_29, VC3_29, C3_24, AN9_29
- Track 215 : AnnaL29_29
- Track 216 : Leogania_28
- Track 217 : Dignity_28
- Track 218 : Loser_29
- Track 219 : AN3_26, VA6_26
- Track 220 : XianYue_26
- Track 221 : Superchunk_25
- Track 222 : Iwokeuplikedis_27
- Track 223 : DBQu4n_29, Duplo_29
- Track 224 : Pukovnik_28
- Track 225 : KingCyrus_28, ChipMunk_28
- Track 226 : Anselm_26
- Track 227 : Malec_27
- Track 228 : NicoleTera_30
- Track 229 : Koduck_26
- Track 230 : Jerm_28
- Track 231 : Serenity_25
- Track 232 : TarsusIV_26
- Track 233 : EZMoney23_30
- Track 234 : First_0026
- Track 235 : Ph8s_27
- Track 236 : HarryHoudini_28
- Track 237 : CRB1_26
- Track 238 : Trixie_29
- Track 239 : SnapTap_26
- Track 240 : Agape74_28, Bugsy_28
- Track 241 : JoshKayV_28

- Track 242 : DudeLittle_26
- Track 243 : Miko_29
- Track 244 : Drake55_28
- Track 245 : NaSiaTalie_26
- Track 246 : RedRock_29
- Track 247 : Acolyte_26
- Track 248 : 20ES_26
- Track 249 : Rachaly_29
- Track 250 : Lokk_29
- Track 251 : Deloris_27
- Track 252 : Leviathan_28
- Track 253 : LilTurb_28
- Track 254 : LadyBird_26
- Track 255 : BabyBack_28
- Track 256 : Bactobuster_27
- Track 257 : SwirlSquare_28
- Track 258 : GaugeLDP_28
- Track 259 : BengiVuitton_27
- Track 260 : Jaan_29
- Track 261 : Kalpine_29
- Track 262 : Journey13_24
- Track 263 : Centaur_28
- Track 264 : Landor_27
- Track 265 : Caraxes_25
- Track 266 : Turbido_28
- Track 267 : Changeling_28
- Track 268 : StarStuff_29
- Track 269 : Pomar16_29
- Track 270 : Heffalump_28
- Track 271 : Power_26
- Track 272 : ArcherNM_28
- Track 273 : Smeagan_28
- Track 274 : EvilGenius_28
- Track 275 : Anthony_25
- Track 276 : Kinmap_26
- Track 277 : Texage_25, Lambert1_26, Norbert_25, Panamaxus_25, Pocahontas_26, Noella_26, ResDef_26, Hookmount_26, Popcicle_26
- Track 278 : LBerry_27
- Track 279 : Sabinator_27, Hercules11_27, GingkoMaracino_27, KADY_28, Cullens_27, LugYA_29, AgronaGT15_27, Dieselweasel_27, Vix_27, Wooldri_29, Anubis_29, SoYo_27, Methuselah_26, Beauxregard13_27, Louie6_27, Bxz2_26, Soshari_29, PotatoSplit_28, Misomonster_29, Penny1_27, EpicPhail_27, Marie_27, MarQuardt_27, Tiffany_27, Fernando_27, BuzzBuzz_26, LarryKay_27, Colbster_27, Daishi_26, JHC117_27, GtownJaz_27, JenCasNa_27, MoneyMay_27, Taurus_27, HashRod_28
- Track 280 : Rockstar_25, JF2_25, MK4_25, Isca_25, JF4_25, B1_23
- Track 281 : Phoxy_27, Spike509_27
- Track 282 : Phranny_28, PurpleHaze_27, Pawn_28, Gemma_27, Manu_28, HaveUMetTed_28, Groupthink_28, Kalnok_28, Kalb97_28, Reba_28, Marius_28, Heliosoles_27
- Track 283 : Fred313_25, HelDan_25, Kachowdy_25, Heathen_25
- Track 284 : Margo_26, Veracruz_25, Todacoro_26, Caviar_26, QuinnKiro_25
- Track 285 : Jobu08_27, SoilDragon_27

- Track 286 : AugsMagnumOpus_29, Mainiac_27, Watson_27, Stagni_27, Sabia_27, Lilith_27, Farber_27, Phoebe_27, Grub_27, StepMih_27, MadMarie_27, PGHhamlin_29, Microwolf_27, Pembroke_27, Malinsilva_29, MuchMore_29, DaHudson_27, BreSam8_27
- Track 287 : ACFishhook_27
- Track 288 : JeppNRM_28
- Track 289 : Snickers_27
- Track 290 : Ollie_27
- Track 291 : PhishRPhriends_26
- Track 292 : Phantastic_25
- Track 293 : Chiqui_24, BabyJohn_24
- Track 294 : Idleandcovert_25, Giroux_25, Puppy_26, Bugatti_25, TNguyen7_25, SaturnRing_25, BlueBird_26, Pistachio_26
- Track 295 : Marchesa_25, DropBear_25
- Track 296 : Scout_25
- Track 297 : BabyRay_25
- Track 298 : MA5_25
- Track 299 : Zetzy_26
- Track 300 : Aglet_27
- Track 301 : OlanP_27
- Track 302 : Rummer_27
- Track 303 : Grum1_27
- Track 304 : P28Green_27
- Track 305 : Grif_27
- Track 306 : Mundrea_25
- Track 307 : Alberto7_26, KFPoly_25, TroyPia_25, Chaph_25, Maverick_25, Phacado_25, Thanksgivukkah_25, Wander_25, Cocoaberry_25, Bombshell_25, PeterPeter_25, Avle17_25
- Track 308 : Camperdownii_24
- Track 309 : TinaFeyge_25
- Track 310 : JetBlade_25, Connomayer_25, MeeZee_25, Palestino_24, Kye_25, Pumbaa_25, BubbleTrouble_25
- Track 311 : LHTSCC_26, Obama12_26
- Track 312 : Katalie136_25, Bumblebee11_25, Morpher26_25
- Track 313 : LeoAvram_25
- Track 314 : Florean_25, Caelakin_25, Citius_25, Broseidon_25, Scamp_25, Bartimeaus_25, Melvin_25, Sabertooth_25, Druantia_25, Wizard007_25, CentreCat_25, Blackmoor_25, Bruiser_24, Sparxx_25, Baby16_25, NorthStar_25
- Track 315 : Phighter1804_25
- Track 316 : Nemo27_25, NotAPhaseMom_25, Houdini22_25, Gadost_25
- Track 317 : ICleared_25
- Track 318 : Dhanush_25
- Track 319 : LittleB_25
- Track 320 : Cerulean_26, BangNhom_25, ChampagnePapi_26, SheldonCooper_26
- Track 321 : LittleGuy_25
- Track 322 : Badger_25
- Track 323 : Holli_25, JoongJeon_25, OKaNui_26, Taquarus_25, Relief_25, Clarenza_25
- Track 324 : Lunsford_26, Deano_25
- Track 325 : Skipitt_25
- Track 326 : Kingmustik0402_25, Millski_24, HamSlice_24
- Track 327 : Medusa_25, Jaykayelowell_25, Roosevelt_25, Annyong_25, Peaches_25

- Track 328 : Kamy_25, Funston_25, Lorenzo_25, Maxo_25
- Track 329 : Romney_25, Koreni_24
- Track 330 : Happiness_25
- Track 331 : Eros_25
- Track 332 : YoSam321_25
- Track 333 : Burger_24
- Track 334 : Stasia_26
- Track 335 : Wilbur_25
- Track 336 : Backyardigan_25, Wile_25, Achebe_24, Datway_25, Xena_25
- Track 337 : Arturo_24
- Track 338 : PetiteSangsue_25, AbbysRanger_25
- Track 339 : Albee_25
- Track 340 : TygerBlood_25
- Track 341 : Stink_26, Miramae_25, AvatarAhPeg_26
- Track 342 : Flux_25, LappelDuVide_25, Nyxis_25
- Track 343 : Phontbonne_25, TiroTheta9_25, Polymorphads_25, Morrow_25, Eurydice_25
- Track 344 : Shygu2_25
- Track 345 : Eagle_24
- Track 346 : Shaka_25
- Track 347 : Ohfah_25
- Track 348 : Abdiel_24
- Track 349 : Cintron_25
- Track 350 : Phelipe_25
- Track 351 : Nebs_25, BellusTerra_25
- Track 352 : Lemur_25
- Track 353 : Tinybot_24
- Track 354 : Cindaradix_24
- Track 355 : Eris_24
- Track 356 : Kratark_25, DirtyDunning_25
- Track 357 : Iracema64_26
- Track 358 : Cici_25
- Track 359 : Noelle_25
- Track 360 : Spino_25
- Track 361 : Mazhar510_25, Ulysses_24
- Track 362 : Ruin_25
- Track 363 : Perplexer_25
- Track 364 : Commander_25
- Track 365 : Rosa24_24
- Track 366 : Kremtemulon_25
- Track 367 : LochMonster_25
- Track 368 : Iceman_26
- Track 369 : Pipcraft_25, Eapen_25
- Track 370 : Micasa_22
- Track 371 : Theia_20, Dublin_21, MarysWell_21
- Track 372 : AgentM_22, Archetta_22, PickleBack_22, Bluefalcon_21, Lev2_22, ForGetIt_22, Phlorence_22, Conspiracy_22, Jovo_22, Aragog_22, Discoknowium_22
- Track 373 : Milcery_22
- Track 374 : Tarynearal_21, LittleCherry_22, Bonamassa_22
- Track 375 : Jabiru_22
- Track 376 : Coog_22, Midas2_22, Cuco_22
- Track 377 : Swirley_22
- Track 378 : George_21

- Track 379 : Chadwick_23
- Track 380 : PetterN_23
- Track 381 : HuhtaEnerson15_22
- Track 382 : Ghoulboy_22, Zolita_21, SydNat_22
- Track 383 : Naca_22
- Track 384 : UnionJack_22
- Track 385 : EITiger69_22
- Track 386 : Scorpia_23
- Track 387 : Benedict_22
- Track 388 : Tiger_22
- Track 389 : Airmid_22
- Track 390 : SuperCallie99_29, Pmask_29
- Track 391 : Indra_29
- Track 392 : SuperAwesome_29, JewelBug_29, Neeharika16_29, Kazan_29, Candra_29, GreedyLawyer_29, EricB_29, McFly_29, SmellyB_29, VohminGhazi_29, BABullseye_29, Cookiedough_29, Newrala_29, Chartreuse_29, Kipper29_29, DaVinci_29, Hoot_29
- Track 393 : Hexamo_29, CloudWang3_29, Gladiator_29, Jeffabunny_29, Blue7_29, Hammer_29, Wiks_29, Tucker_29, ToneTone_27, Lilbunny_29, Yokurt_29, Gruunaga_29, Roksolana_29, Artemis2UCLA_29, Zaka_29, Zulu_29, WunderPhul_29
- Track 394 : Garak_30, Helmet_30
- Track 395 : Rifter_29
- Track 396 : Isiphiwo_29
- Track 397 : Koko_29
- Track 398 : Jordennis_29, Dorothea_29
- Track 399 : Blinn1_29
- Track 400 : Priamo_29
- Track 401 : Toro_28, FlyCatcher_29
- Track 402 : HINdeR_25
- Track 403 : Sheen_27
- Track 404 : PP_35
- Track 405 : DroogsArmy_26
- Track 406 : Timshel_26
- Track 407 : Danforth_21, Stephig9_22, Groundhog_21
- Track 408 : Expelliarmus_21, Smeadley_22, Astro_22
- Track 409 : Dixon_22
- Track 410 : Phillis_22
- Track 411 : Saintus_22
- Track 412 : Roary_22
- Track 413 : NearlyHeadless_22
- Track 414 : Jiawan_26
- Track 415 : Darrell_28
- Track 416 : Eidsmoe_27, Spouty_27, Priya_27, Alma_27
- Track 417 : Charm_26
- Track 418 : Conquerage_27
- Track 419 : Beemo_27, ExplosioNervosa_27, Qobbit_27, Pioneer_27, Phonnegut_27
- Track 420 : Toaka_25
- Track 421 : Vanisoa_25
- Track 422 : RyeScarlet_28, Hanray_26
- Track 423 : Tubs_27, Aliter_27, PackMan_27, Fayely_27, Phaeder_27, Myxus_27, HortumSL17_27

- Track 424 : EmyBug_27
- Track 425 : Rahalelujah_25
- Track 426 : Halex_26
- Track 427 : BogosyJay_27
- Track 428 : Catalina_27
- Track 429 : EdogawaKiddo_25, Sachima_25
- Track 430 : Onglai_26
- Track 431 : SheaKeira_26
- Track 432 : Scherzo_27, Ugenie5_24
- Track 433 : Arissanae_25
- Track 434 : Yecey3_26
- Track 435 : Elephantoon_27
- Track 436 : Keziacharles14_25
- Track 437 : Maminiaina_27
- Track 438 : LoneWolf_27
- Track 439 : Lilleskat_25
- Track 440 : DreamTeam1_26

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

The start number called the most often in the published annotations is 106, it was called in 199 of the 768 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- A6_22, AFIS_24, Abbyshoes_25, Abrogate_250, Acme_26, Adahisdi_25, Aeneas_26, Agaliana_25, Ajay_24, Alsfro_28, Altman_26, Alvin_25, Anglerfish_25, Applejack_24, Arcanine_25, Arlo_23, Ashballer_23, Atkinbua_25, BK1_22, BPBiebs31_25, BaconJack_26, Barriga_24, Beatrix_23, Bethlehem_24, Bexan_23, Big3_24, BigMau_26, BigPaolini_25, Bigfoot_23, BillKnuckles_25, Bircsak_24, BluSpix_24, Blue_24, Bob3_23, Bones_24, Bruns_23, Burton_25, Buttons_25, Bxb1_22, CactusRose_23, Carlyle_26, Chanagan_23, Ciao_24, ConceptII_25, Corvo_24, Crispicous1_23, Cueylyss_24, DD5_25, Dexes_25, Doom_25, DrFeelGood_23, DreamCatcher_27, Dreamboat_25, Dulcie_23, Dussy_25, Edtherson_25, Espresso_24, Euphoria_24, Eyeball_24, Fajezeel_26, Fascinus_23, Fenn_25, Forsytheast_23, Francis47_24, Froghopper_25, Fushigi_25, GageAP_26, Gandalf20_25, Gompeii16_24, Graduation_26, GrecoEtereo_25, Greg_26, Gwendoluna_26, Gyzlar_26, Hami1_26, HanShotFirst_24, HarryOW_25, Hermia_26, HermioneGrange_24, Homines_24, ILeeKay_26, Ichabod_25, IgnatiusPatJac_23, Inyanga_23, JC27_26, JackSparrow_25, Jasper_25, Jerm2_25, Jorgensen_24, JuliaChild_26, KBG_25, KSSJEB_24, Kanely_25, Kenmech_27, Kugel_25, KyMonks1A_26, Kykar_22, Lamina13_24, Lesedi_23, Licorice_26, LilBib_25, Lockley_24, Lopton_25, MPlant7149_23, Magnar_24, Magnito_23, Makemake_24, Manatee_25, Marcell_24, Marchy_23, Marge_25, Maroc7_23, Marsha_24, MaryBeth_24, MetalQZJ_24, Michley_24, Mkhuseleli_25, Molly_25, Monet_26, Moose_23, MrGordo_24, Mryolo_23, Mule_24, Museum_26, NEHalo_24, Naira_25, Nerujay_25, Nhonho_24, Niza_26, Norz_26, Ohno789_24, Oogway_23, PSullivan_26, PacerPaul_24, Papez_26, Paphu_23, Paraselene_23, Pari_25, Parliament_23, PascalRango_23, PattyP_26, Payneful_24, Pelly_25, Pepe_25, Perseus_25, Peterson_27, Petp2012_26, Petruchio_24, PherrisBueller_25, PhrostyMug_24, PinkPlastic_23, Pinto_26, Pippin_26, Pita2_26, ProMouse_23,

QTRlifeCrisis_24, Rajelicia_24, Rhynn_24, RidgeCB_24, Rohr_25, Rubeus_25, Rufus_25, Ruotula_23, Rutherford_26, STLscum_25, Sagefire_25, Sandaddy_23, Sanya_23, SaFire_24, Scowl_25, Seabiscuit_26, Seanderson_25, ShortQueendom_23, Sibs6_26, SkiPole_26, Slagathor_25, Smairt_25, Smeagol_26, Snazzy_22, Solon_24, Sorpresa_24, SpikeBT_26, Squee_25, StewieG_23, StrongArm_23, Sumter_23, Sunshine924_23, SwissCheese_24, Switzer_25, Swole_26, Target_26, Tasp14_25, Teodoridan_22, Thor_24, Topgun_24, Tote_26, Traft412_26, Treddle_26, Tripl3t_25, Trouble_24, Turj99_23, TwoPeat_25, U2_24, Violet_23, Watermelon_26, Wilkins_24, Zeeculate_23, Zephyr_24, Zeuska_25,

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

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

- 20ES_26, 40AC_29, ACFishhook_27, AN3_26, AN9_29, ANI8_29, AbbyPaige_28, AbbysRanger_25, Abdiel_24, Achebe_24, Acolyte_26, Adzzy_27, Agape74_28, AgentM_22, Aglet_27, AgronaGT15_27, Airmid_22, Albee_25, Alberto7_26, Aliter_27, Alma_27, Anaysia_28, Aneem_26, AnnaL29_29, Anyong_25, Anon_26, Anselm_26, Anthony_25, Anubis_29, Aragog_22, ArcherNM_28, Archetta_22, Arissanae_25, Artemis2UCLA_29, Arturo_24, Astro_22, AugsMagnumOpus_29, AvatarAhPeg_26, Avle17_25, B1_23, BABullseye_29, Baby16_25, BabyBack_28, BabyJohn_24, BabyRay_25, Bachome_26, Backyardigan_25, Bactobuster_27, Badger_25, Baehexic_27, BangNhom_25, Bartimeaus_25, Battleship_29, Beauxregard13_27, Beemo_27, BeesKnees_25, BellusTerra_25, Benedict_22, BengiVuitton_27, Benvolio_26, BiancaTri92_28, Blackmoor_25, Blinn1_29, Blue7_29, BlueBird_26, Bluefalcon_21, BobSwaget_29, BogosyJay_27, Bombshell_25, Bonamassa_22, Boohoo_28, Bowtie_26, Bradman_25, BreSam8_27, Briton15_26, Broseidon_25, Bruiser_24, BubbleTrouble_25, Bud_26, Bugatti_25, Buggy_28, Bumblebee11_25, Burger_24, BuzzBuzz_26, Bxz2_26, C3_24, CRB1_26, Caelakin_25, Camperdownii_24, Candra_29, Caraxes_25, Catalina_27, Caviar_26, Centaur_28, CentreCat_25, Cerulean_26, Chadwick_23, ChampagnePapi_26, Changeling_28, Chaph_25, Chargerpower_26, Charm_26, Chartreuse_29, Che12_28, ChipMunk_28, Chiqui_24, Chupacabra_25, Cici_25, Cindaradix_24, Cintron_25, Citius_25, Clarenza_25, CloudWang3_29, Cocoaberry_25, Colbster_27, Colin_30, Commander_25, Connomayer_25, Conquerage_27, Conspiracy_22, Coog_22, Cookiedough_29, Crucio_26, Cuco_22, Cullens_27, D29_26, D32_29, DBQu4n_29, DaHudson_27, DaVinci_29, Daishi_26, Dalmatian_26, Danforth_21, Darrell_28, DarthPhader_27, Datway_25, Deano_25, DekHockey33_28, Deloris_27, Dhanush_25, Dieselweasel_27, Dignity_28, DirtyDunning_25, Discoknowium_22, Dixon_22, DontArgue_24, Dorothea_29, Drake55_28, Drake94_24, DreamTeam1_26, DroogsArmy_26, DropBear_25, Druantia_25, Dublin_21, DudeLittle_26, Duplo_29, DustyMartin_29, Dynamix_25, EZMoney23_30, EagleEye_28, Eagle_24, Eaglepride_26, Eapen_25, Ebony_26, Echild_26, Edison31_25, EdogawaKiddo_25, Eidsmoe_27, ElTiger69_22, Elephantoon_27, EmyBug_27, EpicPhail_27, Epsocamisio_28, Equemioh13_28, EricB_29, Eris_24, Eros_25, Et2Brutus_25, Eurydice_25, EvilGenius_28, Expelliarmus_21, ExplosioNervosa_27, Fameo_26, Farber_27, Fayely_27, Fernando_27, Fibonacci_26, FiringLine_26, First_0026, Flare16_26, Flaverint_26, Florean_25, Flux_25, FlyCatcher_29, ForGetIt_22, Fred313_25, Funston_25, Gadost_25, Gail_25, Garak_30, GaugeLDP_28, Gemma_27, George_21, Georgie2_27, Ghoulboy_22, Gilberta_26, GingkoMaracino_27, Giroux_25, Gladiator_29, Goose_25, GreedyLawyer_29, Grif_27, Groundhog_21, Groupthink_28, Grub_27, Grum1_27, Gruunaga_29, GtownJaz_27, HINdeR_25, HamSlice_24, Hammer_29,

Hanray_26, Happiness_25, HarryHoudini_28, HashRod_28, HaveUMetTed_28, Heathen_25, Heffalump_28, HelDan_25, Heliosoles_27, Helmet_30, Herbertwm_23, Hercules11_27, Hexamo_29, Halex_26, Holli_25, Hookmount_26, Hoot_29, Hope4ever_24, HortumSL17_27, Houdini22_25, HuhtaEnerson15_22, Hutc2_26, ICleared_25, Iceman_26, Idleandcovert_25, Indra_29, Insomnia_26, Iracema64_26, IronMan_28, Isca_25, Isiphiwo_29, Iwokeuplikedis_27, JF2_25, JF4_25, JHC117_27, JSwag_28, Jaan_29, Jabiru_22, Jabith_26, Jaykayelowell_25, Jeeves_25, Jeffabunny_29, JenCasNa_27, JeppNRM_28, Jerm_28, JetBlade_25, JewelBug_29, Jiawan_26, Jobu08_27, JoongJeon_25, Jordennis_29, Joselito_26, JoshKayV_28, Journey13_24, Jovo_22, Jsquared_25, KADY_28, KFPoly_25, Kachowdy_25, Kalb97_28, Kalnoky_28, Kalpine_29, Kampy_25, Katalie136_25, KatherineG_28, Kazan_29, Kerberos_29, Keziacharles14_25, Killigrew_22, Kimona_22, KingCyrus_28, Kingmustik0402_25, Kinmap_26, Kipper29_29, KittenMittens_24, Koduck_26, Koko_29, Koreni_24, Kratark_25, Kremtemulon_25, Kristoff_26, Kyee_25, L5_26, LBerry_27, LHTSCC_26, LadyBird_26, Lambert1_26, Landor_27, LappelDuVide_25, Larenn_27, LarryKay_27, LastResort_28, Lemur_25, LeoAvram_25, Leogania_28, Lev2_22, Leviathan_28, LilTurb_28, Lilbunny_29, Lilith_27, Lilleskat_25, LittleB_25, LittleCherry_22, LittleGuy_25, LochMonster_25, Lokk_29, LoneWolf_27, Looper_29, Lorenzo_25, Loser_29, Louie6_27, Luchador_27, Lucivia_26, Lucyedi_27, LugYA_29, Lunsford_26, MA5_25, MK4_25, MaCh_26, Mabel_26, MadMarie_27, Mainiac_27, MajorMajor_25, Malec_27, Malinsilva_29, Maminiaina_27, Manu_28, MarQuardt_27, Marchesa_25, Margo_26, Marie_27, Marius_28, MarysWell_21, Maverick_25, Maxo_25, Mazhar510_25, McFly_29, McGuire_25, Medusa_25, MeeZee_25, Melvin_25, Methuselah_26, Micasa_22, Microwolf_27, MiculUcigas_26, Midas2_22, Miko_29, Milcery_22, Millski_24, MinecraftSteve_29, Miramae_25, Misomonster_29, MissWhite_26, MoneyMay_27, Morpher26_25, Morrow_25, MuchMore_29, Mulciber_26, Munch_26, Mundrea_25, MyraDee_23, Myxus_27, NaSiaTalie_26, Naca_22, Naji_29, NearlyHeadless_22, Nebs_25, Nebulosus_28, Nedarya_27, Neeharika16_29, Nemo27_25, Newrala_29, NicoleTera_30, Noella_26, Noelle_25, Norbert_25, NorthStar_25, NotAPhaseMom_25, NothingSpecial_28, Nyxis_25, OKCentral2016_25, OKaNui_26, Obama12_26, Odin_25, Ohfah_25, OlanP_27, Ollie_27, Onglai_26, Oofda_29, Orange_26, P28Green_27, PGHhamlin_29, PP_35, PackMan_27, PainterBoy_27, Palestino_24, Panamaxus_25, Pawn_28, PeaceMeal1_24, Peaches_25, Pembroke_27, Penny1_27, Perplexer_25, PeterPeter_25, Petersenfast_25, PetiteSangsue_25, PetterN_23, Ph8s_27, Phacado_25, Phaded_29, Phaeder_27, Phantastic_25, Pharaoh_26, Phelipe_25, Phighter1804_25, Phillis_22, PhishRPhriends_26, Phlei_21, Phlorence_22, Phoebe_27, Phonnegut_27, Phontbonne_25, Phoxy_27, Phranny_28, PickleBack_22, Pioneer_27, Pipcraft_25, Piro94_27, Pistachio_26, Pmask_29, Pocahontas_26, Polymorphads_25, Pomar16_29, Poompha_24, Popcicle_26, PotatoSplit_28, Power_26, Priamo_29, Priya_27, Pukovnik_28, Pumbaa_25, Puppy_26, PurpleHaze_27, Qobbit_27, QueenB2_26, QueenBeesly_26, QuinnKiro_25, Quokka_24, Rachaly_29, Rahalelujah_25, ReMo_28, Reba_28, Rebeuca_26, RedRock_29, Refuge_29, Relief_25, Remus_28, ResDef_26, Retro23_26, RhynO_26, Rifter_29, Ringer_24, Roary_22, Rockstar_25, Roksolana_29, Romney_25, Roosevelt_25, Rosa24_24, Rosalind_28, Rowdy_29, Ruin_25, Rummer_27, RyeScarlet_28, Sabertooth_25, Sabia_27, Sabinator_27, Sachima_25, Saintus_22, Salz_26, SaturnRing_25, Scamp_25, Scherzo_27, Scorpia_23, Scout_25, SemperFi_28, Serenity_25, Severus_24, Shaka_25, Sham4_26, Shapes_29, ShayRa_29, SheaKeira_26, Sheen_27, SheldonCooper_26, Shygu2_25, Skipitt_25, Smeadley_22, Smeagan_28, SmellyB_29, SnapTap_26, Snape_26, Snickers_27, SoYo_27, SoilDragon_27, SororFago_25, Soshari_29,

Soups_28, Sparxx_25, Spike509_27, Spino_25, Spouty_27, Stagni_27, StarStuff_29, Stasia_26, Steamy_27, StepMih_27, StepHig9_22, Stink_26, Strosahl_28, Sunhee_24, SuperAwesome_29, SuperCallie99_29, Superchunk_25, SweetiePie_26, SwirlSquare_28, Swirley_22, Switzerland_28, SydNat_22, TNguyen7_25, Taquarus_25, TarsusIV_26, Tarynearal_21, Taurus_27, Texage_25, Thanksgivukkah_25, Theia_20, TheloniousMonk_26, Tiffany_27, Tiger_22, Timothy_26, Timshel_26, TinaFeyge_25, TinyTimmy_26, Tinybot_24, TopsytheTRex_25, TiroTheta9_25, Toaka_25, Todacoro_26, Tomathan_29, ToneTone_27, Topanga_25, Toro_28, Travvers_29, Trike_23, Trixie_29, Trooper_26, TroyPia_25, Tubs_27, Tucker_29, Turbido_28, Twister_25, TygerBlood_25, Ugenie5_24, Ulysses_24, UnionJack_22, Updawg_28, VA6_26, VC3_29, Vanisoa_25, Veracruz_25, Vix_27, VohminGhazi_29, Waits_28, WalterMcMickey_25, Wander_25, Watson_27, WeiHuaDA_32, Whabigail7_28, Wheeler_24, WideWale_28, Wiks_29, Wilbur_25, Wile_25, Wizard007_25, Wooldri_29, WunderPhul_29, Xena_25, XianYue_26, Yecey3_26, YoSam321_25, Yokurt_29, Zaka_29, Zetsy_26, Zimmer_28, Zolita_21, Zulu_29,

Summary by start number:

Start 1:

- Found in 30 of 826 (3.6%) of genes in pham
- Manual Annotations of this start: 30 of 768
- Called 100.0% of time when present
- Phage (with cluster) where this start called: AgentM_22 (A5), Aragog_22 (A5), Archetta_22 (A5), Bluefalcon_21 (A5), Bonamassa_22 (A5), Conspiracy_22 (A5), Coog_22 (A5), Cuco_22 (A5), Discoknowium_22 (A5), Dublin_21 (A5), ForGetIt_22 (A5), George_21 (A5), Ghoulyboy_22 (A5), HuhtaEnerson15_22 (A5), Jovo_22 (A5), Lev2_22 (A5), LittleCherry_22 (A5), MarysWell_21 (A5), Micasa_22 (A5), Midas2_22 (A5), Milcery_22 (A5), Naca_22 (A5), Phlorence_22 (A5), PickleBack_22 (A5), Swirley_22 (A5), SydNat_22 (A5), Tarynearal_21 (A5), Theia_20 (A5), Tiger_22 (A5), Zolita_21 (A5),

Start 2:

- Found in 8 of 826 (1.0%) of genes in pham
- Manual Annotations of this start: 8 of 768
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Airmid_22 (A5), Benedict_22 (A5), Chadwick_23 (A5), ElTiger69_22 (A5), Jabiru_22 (A5), PetterN_23 (A5), Scorpio_23 (A5), UnionJack_22 (A5),

Start 4:

- Found in 1 of 826 (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: Phlei_21 (A13),

Start 5:

- Found in 3 of 826 (0.4%) of genes in pham
- Manual Annotations of this start: 3 of 768
- Called 100.0% of time when present
- Phage (with cluster) where this start called: EagleEye_28 (A16), Lucyedi_27 (A16), PainterBoy_27 (A16),

Start 9:

- Found in 12 of 826 (1.5%) of genes in pham
- Manual Annotations of this start: 11 of 768
- Called 91.7% of time when present
- Phage (with cluster) where this start called: Astro_22 (A8), Danforth_21 (A8), Dixon_22 (A8), Expelliarmus_21 (A8), Groundhog_21 (A8), NearlyHeadless_22 (A8), Phillis_22 (A8), Roary_22 (A8), Saintus_22 (A8), Smeadley_22 (A8), Stepbig9_22 (A8),

Start 11:

- Found in 1 of 826 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 768
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Anthony_25 (A20),

Start 17:

- Found in 6 of 826 (0.7%) of genes in pham
- Manual Annotations of this start: 4 of 768
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DroogsArmy_26 (A7), FlyCatcher_29 (A7), HINdeR_25 (A7), Sheen_27 (A7), Timshel_26 (A7), Toro_28 (A7),

Start 23:

- Found in 2 of 826 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 768
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Charm_26 (A9),

Start 25:

- Found in 1 of 826 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 768
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Acolyte_26 (A2),

Start 27:

- Found in 5 of 826 (0.6%) of genes in pham
- Manual Annotations of this start: 5 of 768
- Called 100.0% of time when present
- Phage (with cluster) where this start called: DARTHPhader_27 (A12), Pharaoh_26 (A12), Refuge_29 (A12), Steamy_27 (A12), Zimmer_28 (A12),

Start 33:

- Found in 1 of 826 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 768
- Called 100.0% of time when present
- Phage (with cluster) where this start called: PP_35 (A7),

Start 35:

- Found in 6 of 826 (0.7%) of genes in pham
- Manual Annotations of this start: 1 of 768
- Called 16.7% of time when present
- Phage (with cluster) where this start called: LoneWolf_27 (A9),

Start 39:

- Found in 40 of 826 (4.8%) of genes in pham
- Manual Annotations of this start: 32 of 768
- Called 100.0% of time when present
- Phage (with cluster) where this start called: B1_23 (A3), BabyJohn_24 (A3), BabyRay_25 (A3), BlueBird_26 (A3), Bugatti_25 (A3), Caviar_26 (A3), Chiqui_24 (A3), DropBear_25 (A3), Fred313_25 (A3), Giroux_25 (A3), Heathen_25 (A3), HelDan_25 (A3), Hookmount_26 (A3), Idleandcovert_25 (A3), Isca_25 (A3), JF2_25 (A3), JF4_25 (A3), Kachowdy_25 (A3), Lambert1_26 (A3), MA5_25 (A3), MK4_25 (A3), Marchesa_25 (A3), Margo_26 (A3), Noella_26 (A3), Norbert_25 (A3), Panamaxus_25 (A3), Phantastic_25 (A3), Pistachio_26 (A3), Pocahontas_26 (A3), Popcicle_26 (A3), Puppy_26 (A3), QuinnKiro_25 (A3), ResDef_26 (A3), Rockstar_25 (A3), SaturnRing_25 (A3), Scout_25 (A3), TNguyen7_25 (A3), Texage_25 (A3), Todacoro_26 (A3), Veracruz_25 (A3),

Start 40:

- Found in 83 of 826 (10.0%) of genes in pham
- Manual Annotations of this start: 81 of 768
- Called 100.0% of time when present
- Phage (with cluster) where this start called: ACFishhook_27 (A3), Aglet_27 (A3), AgronaGT15_27 (A3), Anubis_29 (A3), AugsMagnumOpus_29 (A3), Beauxregard13_27 (A3), BreSam8_27 (A3), BuzzBuzz_26 (A3), Bxz2_26 (A3), Colbster_27 (A3), Cullens_27 (A3), DaHudson_27 (A3), Daishi_26 (A3), Dieselweasel_27 (A3), EpicPhail_27 (A3), Farber_27 (A3), Fernando_27 (A3), Gemma_27 (A3), GingkoMaracino_27 (A3), Grif_27 (A3), Groupthink_28 (A3), Grub_27 (A3), Grum1_27 (A3), GtownJaz_27 (A3), HashRod_28 (A3), HaveUMetTed_28 (A3), Heliosoles_27 (A3), Hercules11_27 (A3), JHC117_27 (A3), JenCasNa_27 (A3), JeppNRM_28 (A3), Jobu08_27 (A3), KADY_28 (A3), Kalb97_28 (A3), Kalnoky_28 (A3), Kimona_22 (A19), LBerry_27 (A3), LarryKay_27 (A3), Lilith_27 (A3), Louie6_27 (A3), LugYA_29 (A3), MadMarie_27 (A3), Mainiac_27 (A3), Malinsilva_29 (A3), Manu_28 (A3), MarQuardt_27 (A3), Marie_27 (A3), Marius_28 (A3), Methuselah_26 (A3), Microwolf_27 (A3), Misomonster_29 (A3), MoneyMay_27 (A3), MuchMore_29 (A3), OlanP_27 (A3), Ollie_27 (A3), P28Green_27 (A3), PGHhamlin_29 (A3), Pawn_28 (A3), Pembroke_27 (A3), Penny1_27 (A3), PhishRPhriends_26 (A3), Phoebe_27 (A3), Phoxy_27 (A3), Phranny_28 (A3), PotatoSplit_28 (A3), PurpleHaze_27 (A3), Reba_28 (A3), Rummer_27 (A3), Sabia_27 (A3), Sabinator_27 (A3), Snickers_27 (A3), SoYo_27 (A3), SoilDragon_27 (A3), Soshari_29 (A3), Spike509_27 (A3), Stagni_27 (A3), StepMih_27 (A3), Taurus_27 (A3), Tiffany_27 (A3), Vix_27 (A3), Watson_27 (A3), Wooldri_29 (A3), Zetzy_26 (A3),

Start 54:

- Found in 48 of 826 (5.8%) of genes in pham
- Manual Annotations of this start: 33 of 768
- Called 85.4% of time when present
- Phage (with cluster) where this start called: Aliter_27 (A9), Alma_27 (A9), Arissanee_25 (A9), Beemo_27 (A9), BogosyJay_27 (A9), Catalina_27 (A9), Conquerage_27 (A9), Darrell_28 (A9), DreamTeam1_26 (A9), EdogawaKiddo_25 (A9), Eidsmoe_27 (A9), Elephantoon_27 (A9), EmyBug_27 (A9), ExplosioNervosa_27 (A9), Fayely_27 (A9), Hanray_26 (A9), Halex_26 (A9), HortumSL17_27 (A9), Jiawan_26 (A9), Keziacharles14_25 (A9), Lilleskat_25 (A9), Maminiaina_27 (A9), Myxus_27 (A9), Onglai_26 (A9), PackMan_27 (A9), Phaeder_27 (A9), Phonnegut_27 (A9), Pioneer_27 (A9), Priya_27 (A9), Qobbit_27

(A9), Rahalelujah_25 (A9), RyeScarlet_28 (A9), Sachima_25 (A9), Scherzo_27 (A9), SheaKeira_26 (A9), Spouty_27 (A9), Toaka_25 (A9), Tubs_27 (A9), Ugenie5_24 (A9), Vanisoa_25 (A9), Yecey3_26 (A9),

Start 99:

- Found in 1 of 826 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 768
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Odin_25 (A2),

Start 100:

- Found in 6 of 826 (0.7%) of genes in pham
- Manual Annotations of this start: 4 of 768
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Adzzy_27 (A2), Che12_28 (A2), Ph8s_27 (A2), Superchunk_25 (A2),

Start 101:

- Found in 21 of 826 (2.5%) of genes in pham
- Manual Annotations of this start: 8 of 768
- Called 38.1% of time when present
- Phage (with cluster) where this start called: Drake94_24 (A10), Edison31_25 (A10), Goose_25 (A10), Kristoff_26 (A10), PeaceMeal1_24 (A10), Poompha_24 (A10), Rebeuca_26 (A10), Twister_25 (A10),

Start 103:

- Found in 100 of 826 (12.1%) of genes in pham
- Manual Annotations of this start: 89 of 768
- Called 100.0% of time when present
- Phage (with cluster) where this start called: 20ES_26 (A2), AN3_26 (A2), AN9_29 (A2), AN18_29 (A2), AbbyPaige_28 (A2), Agape74_28 (A2), AnnaL29_29 (A2), Anselm_26 (A2), ArcherNM_28 (A2), BabyBack_28 (A2), Baehexic_27 (A2), BengiVuitton_27 (A2), Benvolio_26 (A2), BiancaTri92_28 (A2), BobSwaget_29 (A2), Bradman_25 (A2), Buggy_28 (A2), C3_24 (A2), CRB1_26 (A2), Centaur_28 (A2), Changeling_28 (A2), ChipMunk_28 (A2), Colin_30 (A2), Crucio_26 (A2), D29_26 (A2), D32_29 (A2), DBQu4n_29 (A2), Dalmatian_26 (A2), Deloris_27 (A2), Dignity_28 (A2), Drake55_28 (A2), DudeLittle_26 (A2), Duplo_29 (A2), EZMoney23_30 (A2), Echild_26 (A2), Equemioh13_28 (A2), EvilGenius_28 (A2), Fameo_26 (A2), FiringLine_26 (A2), First_0026 (A2), Flare16_26 (A2), GaugeLDP_28 (A2), Georgie2_27 (A2), HarryHoudini_28 (A2), Heffalump_28 (A2), Jerm_28 (A2), JoshKayV_28 (A2), Journey13_24 (A2), Jsquared_25 (A2), Kalpine_29 (A2), Kerberos_29 (A2), KingCyrus_28 (A2), Koduck_26 (A2), Koko_29 (A6), L5_26 (A2), LadyBird_26 (A2), Larenn_27 (A2), Leogania_28 (A2), Leviathan_28 (A2), LilTurb_28 (A2), Lokk_29 (A2), Loser_29 (A2), MajorMajor_25 (A2), Malec_27 (A2), MiculUcigas_26 (A2), Miko_29 (A2), MissWhite_26 (A2), NaSiaTalie_26 (A2), Naji_29 (A2), NicoleTera_30 (A2), NothingSpecial_28 (A2), Piro94_27 (A2), Pomar16_29 (A2), Power_26 (A2), QueenB2_26 (A2), QueenBeesly_26 (A2), Quokka_24 (A2), Rachaly_29 (A2), RedRock_29 (A2), Retro23_26 (A2), SemperFi_28 (A2), Serenity_25 (A2), Smeagan_28 (A2), SnapTap_26 (A2), StarStuff_29 (A2), SweetiePie_26 (A2), TarsusIV_26 (A2), TipsytheTRex_25 (A2), Tomathan_29 (A2), Travvers_29 (A2), Trixie_29 (A2), Trooper_26 (A2), Turbido_28 (A2), Updawg_28 (A2), VA6_26 (A2), VC3_29 (A2), WeiHuaDA_32 (A2), Whabigail7_28 (A2), WideWale_28 (A2), XianYue_26 (A2),

Start 104:

- Found in 138 of 826 (16.7%) of genes in pham
- Manual Annotations of this start: 113 of 768
- Called 81.9% of time when present
- Phage (with cluster) where this start called: AbbysRanger_25 (A4), Abdiel_24 (A4), Achebe_24 (A4), Albee_25 (A4), Alberto7_26 (A4), Annyong_25 (A4), AvatarAhPeg_26 (A4), Avle17_25 (A4), Baby16_25 (A4), Backyardigan_25 (A4), Badger_25 (A4), BangNhom_25 (A4), Bartimeaus_25 (A4), BellusTerra_25 (A4), Blackmoor_25 (A4), Bombshell_25 (A4), Broseidon_25 (A4), Bruiser_24 (A4), BubbleTrouble_25 (A4), Bumblebee11_25 (A4), Burger_24 (A4), Caelakin_25 (A4), Camperdownii_24 (A4), CentreCat_25 (A4), Cerulean_26 (A4), ChampagnePapi_26 (A4), Chaph_25 (A4), Cici_25 (A4), Citius_25 (A4), Clarenza_25 (A4), Cocoaberry_25 (A4), Connomayer_25 (A4), Datway_25 (A4), Deano_25 (A4), Dhanush_25 (A4), DirtyDunning_25 (A4), Druantia_25 (A4), Eris_24 (A4), Eros_25 (A4), Eurydice_25 (A4), Florean_25 (A4), Funston_25 (A4), HamSlice_24 (A4), Happiness_25 (A4), Holli_25 (A4), Iceman_26 (A4), Iracema64_26 (A4), Jaykayelowell_25 (A4), JetBlade_25 (A4), JoongJeon_25 (A4), KFPoly_25 (A4), Kampy_25 (A4), Katalie136_25 (A4), Kingmustik0402_25 (A4), Koreni_24 (A4), Kratak_25 (A4), Kremtemulon_25 (A4), Kyee_25 (A4), Lemur_25 (A4), LittleB_25 (A4), LittleGuy_25 (A4), Lorenzo_25 (A4), Lunsford_26 (A4), Maverick_25 (A4), Maxo_25 (A4), Mazhar510_25 (A4), Medusa_25 (A4), MeeZee_25 (A4), Melvin_25 (A4), Millski_24 (A4), Miramae_25 (A4), Morpher26_25 (A4), Morrow_25 (A4), Mundrea_25 (A4), Nebs_25 (A4), Noelle_25 (A4), NorthStar_25 (A4), OKaNui_26 (A4), Ohfah_25 (A4), Palestino_24 (A4), Peaches_25 (A4), Perplexer_25 (A4), PeterPeter_25 (A4), PetiteSangsue_25 (A4), Phacado_25 (A4), Felipe_25 (A4), Phighter1804_25 (A4), Phontbonne_25 (A4), Polymorphads_25 (A4), Pumbaa_25 (A4), Relief_25 (A4), Romney_25 (A4), Roosevelt_25 (A4), Ruin_25 (A4), Sabertooth_25 (A4), Scamp_25 (A4), Shaka_25 (A4), SheldonCooper_26 (A4), Shygu2_25 (A4), Sparxx_25 (A4), Stasia_26 (A4), Stink_26 (A4), Taquarus_25 (A4), Thanksgivukkah_25 (A4), TiroTheta9_25 (A4), TroyPia_25 (A4), TygerBlood_25 (A4), Ulysses_24 (A4), Wander_25 (A4), Wile_25 (A4), Wizard007_25 (A4), Xena_25 (A4), YoSam321_25 (A4),

Start 105:

- Found in 7 of 826 (0.8%) of genes in pham
- No Manual Annotations of this start.
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Caraxes_25 (A2), SwirlSquare_28 (A2),

Start 106:

- Found in 209 of 826 (25.3%) of genes in pham
- Manual Annotations of this start: 199 of 768
- Called 100.0% of time when present
- Phage (with cluster) where this start called: A6_22 (A1), AFIS_24 (A1), Abbyshoes_25 (A1), Abrogate_250 (A1), Acme_26 (A1), Adahisdi_25 (A1), Aeneas_26 (A1), Agaliana_25 (A1), Ajay_24 (A1), Alsfro_28 (A1), Altman_26 (A1), Alvin_25 (A1), Anglerfish_25 (A1), Applejack_24 (A1), Arcanine_25 (A1), Arlo_23 (A1), Ashballer_23 (A1), Atkinbua_25 (A1), BK1_22 (A1), BPBiebs31_25 (A1), BaconJack_26 (A1), Barriga_24 (A1), Beatrix_23 (A1), Bethlehem_24 (A1), Bexan_23 (A1), Big3_24 (A1), BigMau_26 (A1), BigPaolini_25 (A1), Bigfoot_23 (A1), BillKnuckles_25 (A1), Bircsak_24 (A1), BluSpix_24 (A1), Blue_24 (A1), Bob3_23 (A1), Bones_24 (A1), Bruns_23 (A1), Burton_25 (A1), Buttons_25 (A1), Bxb1_22

(A1), CactusRose_23 (A1), Carlyle_26 (A1), Chanagan_23 (A1), Ciao_24 (A1), ConceptII_25 (A1), Corvo_24 (A1), Crispicious1_23 (A1), Cueylyss_24 (A1), DD5_25 (A1), Dexes_25 (A1), Doom_25 (A1), DrFeelGood_23 (A1), DreamCatcher_27 (A1), Dreamboat_25 (A1), Dulcie_23 (A1), Dussy_25 (A1), Edtherson_25 (A1), Espresso_24 (A1), Euphoria_24 (A1), Eyeball_24 (A1), Fajezeel_26 (A1), Fascinus_23 (A1), Fenn_25 (A1), Forsytheast_23 (A1), Francis47_24 (A1), Froghopper_25 (A1), Fushigi_25 (A1), GageAP_26 (A1), Gandalf20_25 (A1), Gompeii16_24 (A1), Graduation_26 (A1), GrecoEtereo_25 (A1), Greg_26 (A1), Gwendoluna_26 (A1), Gyzlar_26 (A1), Hami1_26 (A1), HanShotFirst_24 (A1), HarryOW_25 (A1), Hermia_26 (A1), HermioneGrange_24 (A1), Homines_24 (A1), ILeeKay_26 (A1), Ichabod_25 (A1), IgnatiusPatJac_23 (A1), Inyanga_23 (A1), JC27_26 (A1), JackSparrow_25 (A1), Jasper_25 (A1), Jerm2_25 (A1), Jorgensen_24 (A1), JuliaChild_26 (A1), KBG_25 (A1), KSSJEB_24 (A1), Kanely_25 (A1), Kenmech_27 (A1), Kugel_25 (A1), KyMonks1A_26 (A1), Kykar_22 (A1), Lamina13_24 (A1), Lesedi_23 (A1), Licorice_26 (A1), LilBib_25 (A1), Lockley_24 (A1), Lopton_25 (A1), MPlant7149_23 (A1), Magnar_24 (A1), Magnito_23 (A1), Makemake_24 (A1), Manatee_25 (A1), Marcell_24 (A1), Marchy_23 (A1), Marge_25 (A1), Maroc7_23 (A1), Marsha_24 (A1), MaryBeth_24 (A1), MetalQZJ_24 (A1), Michley_24 (A1), Mkhusei_25 (A1), Molly_25 (A1), Monet_26 (A1), Moose_23 (A1), MrGordo_24 (A1), Mryolo_23 (A1), Mule_24 (A1), Museum_26 (A1), NEHalo_24 (A1), Naira_25 (A1), Nerujay_25 (A1), Nhonho_24 (A1), Niza_26 (A1), Norz_26 (A1), Ohno789_24 (A1), Oogway_23 (A1), PSullivan_26 (A1), PacerPaul_24 (A1), Papez_26 (A1), Paphu_23 (A1), Paraselene_23 (A1), Pari_25 (A1), Parliament_23 (A1), PascalRango_23 (A1), PattyP_26 (A1), Payneful_24 (A1), Pelly_25 (A1), Pepe_25 (A1), Perseus_25 (A1), Peterson_27 (A1), Petp2012_26 (A1), Petruchio_24 (A1), PherrisBueller_25 (A1), PhrostyMug_24 (A1), PinkPlastic_23 (A1), Pinto_26 (A1), Pippin_26 (A1), Pita2_26 (A1), ProMouse_23 (A1), QTRlifeCrisis_24 (A1), Rajelicia_24 (A1), Rhynn_24 (A1), RidgeCB_24 (A1), Rohr_25 (A1), Rubeus_25 (A1), Rufus_25 (A1), Ruotula_23 (A1), Rutherford_26 (A1), STLscum_25 (A1), Sagefire_25 (A1), Sandaddy_23 (A1), Sanya_23 (A1), SarFire_24 (A1), Scowl_25 (A1), Seabiscuit_26 (A1), Seanderson_25 (A1), ShortQueendom_23 (A1), Sibs6_26 (A1), SkiPole_26 (A1), Slagathor_25 (A1), Smairt_25 (A1), Smeagol_26 (A1), Snazzy_22 (A1), Solon_24 (A1), Sorpresa_24 (A1), SpikeBT_26 (A1), Squee_25 (A1), StewieG_23 (A1), StrongArm_23 (A1), Sumter_23 (A1), Sunshine924_23 (A1), SwissCheese_24 (A1), Switzer_25 (A1), Swole_26 (A1), Target_26 (A1), Tasp14_25 (A1), Teodoridan_22 (A1), Thor_24 (A1), Topgun_24 (A1), Tote_26 (A1), Traft412_26 (A1), Treddle_26 (A1), Tripl3t_25 (A1), Trouble_24 (A1), Turj99_23 (A1), TwoPeat_25 (A1), U2_24 (A1), Violet_23 (A1), Watermelon_26 (A1), Wilkins_24 (A1), Zeeculate_23 (A1), Zephyr_24 (A1), Zeuska_25 (A1),

Start 107:

- Found in 8 of 826 (1.0%) of genes in pham
- Manual Annotations of this start: 8 of 768
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BeesKnees_25 (A1), Briton15_26 (A1), Dynamix_25 (A1), Hope4ever_24 (A1), McGuire_25 (A1), Ringer_24 (A1), TheloniousMonk_26 (A1), Wheeler_24 (A1),

Start 108:

- Found in 4 of 826 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 768
- Called 25.0% of time when present
- Phage (with cluster) where this start called: Killigrew_22 (A1),

Start 113:

- Found in 29 of 826 (3.5%) of genes in pham
- Manual Annotations of this start: 22 of 768
- Called 75.9% of time when present
- Phage (with cluster) where this start called: Aneem_26 (A11), Bowtie_26 (A11), Bud_26 (A11), Et2Brutus_25 (A11), Fibonacci_26 (A11), Flaverint_26 (A11), Gilberta_26 (A11), Hutc2_26 (A11), Insomnia_26 (A11), Jabith_26 (A11), Joselito_26 (A11), Lucivia_26 (A11), MaCh_26 (A11), Mabel_26 (A11), Mulciber_26 (A11), Munch_26 (A11), Orange_26 (A11), Salz_26 (A11), Sham4_26 (A11), Snape_26 (A11), Timothy_26 (A11), TinyTimmy_26 (A11),

Start 115:

- Found in 21 of 826 (2.5%) of genes in pham
- Manual Annotations of this start: 1 of 768
- Called 4.8% of time when present
- Phage (with cluster) where this start called: Nebulosus_28 (A15),

Start 116:

- Found in 6 of 826 (0.7%) of genes in pham
- No Manual Annotations of this start.
- Called 16.7% of time when present
- Phage (with cluster) where this start called: 40AC_29 (A17),

Start 117:

- Found in 21 of 826 (2.5%) of genes in pham
- Manual Annotations of this start: 4 of 768
- Called 19.0% of time when present
- Phage (with cluster) where this start called: Anaysia_28 (A15), Battleship_29 (A15), JSwag_28 (A15), MinecraftSteve_29 (A15),

Start 120:

- Found in 25 of 826 (3.0%) of genes in pham
- Manual Annotations of this start: 2 of 768
- Called 12.0% of time when present
- Phage (with cluster) where this start called: Bachome_26 (A11), Ebony_26 (A11), Petersenfast_25 (A11),

Start 124:

- Found in 46 of 826 (5.6%) of genes in pham
- Manual Annotations of this start: 42 of 768
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Artemis2UCLA_29 (A6), BABullseye_29 (A6), Blinn1_29 (A6), Blue7_29 (A6), Candra_29 (A6), Chartreuse_29 (A6), CloudWang3_29 (A6), Cookiedough_29 (A6), DaVinci_29 (A6), Dorothea_29 (A6), EricB_29 (A6), Garak_30 (A6), Gladiator_29 (A6), GreedyLawyer_29 (A6), Gruunaga_29 (A6), Hammer_29 (A6), Helmet_30 (A6), Hexamo_29 (A6), Hoot_29 (A6), Indra_29 (A6), Isiphiwo_29 (A6), Jeffabunny_29 (A6), JewelBug_29 (A6), Jordennis_29 (A6), Kazan_29 (A6), Kipper29_29 (A6), Lilbunny_29 (A6), McFly_29 (A6), MyraDee_23 (A18), Neeharika16_29 (A6), Newrala_29 (A6), Pmask_29 (A6), Priamo_29 (A6), Rifter_29 (A6), Roksolana_29 (A6), SmellyB_29 (A6), SuperAwesome_29 (A6), SuperCallie99_29 (A6), ToneTone_27 (A6), Tucker_29 (A6), VohminGhazi_29 (A6), Wiks_29 (A6), WunderPhul_29 (A6), Yokurt_29 (A6),

Zaka_29 (A6), Zulu_29 (A6),

Start 134:

- Found in 2 of 826 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 768
- Called 50.0% of time when present
- Phage (with cluster) where this start called: SororFago_25 (A14),

Start 135:

- Found in 11 of 826 (1.3%) of genes in pham
- Manual Annotations of this start: 6 of 768
- Called 54.5% of time when present
- Phage (with cluster) where this start called: Anon_26 (A15), Chargerpower_26 (A), Gail_25 (A14), Luchador_27 (A14), Phaded_29 (A2), Pukovnik_28 (A2),

Start 142:

- Found in 12 of 826 (1.5%) of genes in pham
- Manual Annotations of this start: 5 of 768
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Bactobuster_27 (A2), IronMan_28 (A2), Jaan_29 (A2), Jeeves_25 (A14), Landor_27 (A2), Sunhee_24 (A14),

Start 145:

- Found in 5 of 826 (0.6%) of genes in pham
- No Manual Annotations of this start.
- Called 20.0% of time when present
- Phage (with cluster) where this start called: DontArgue_24 (A10),

Start 151:

- Found in 326 of 826 (39.5%) of genes in pham
- Manual Annotations of this start: 22 of 768
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Arturo_24 (A4), Cintron_25 (A4), Commander_25 (A4), Eagle_24 (A4), Eapen_25 (A4), Flux_25 (A4), Gadost_25 (A4), Houdini22_25 (A4), ICleared_25 (A4), LHTSCC_26 (A4), LappelDuVide_25 (A4), LochMonster_25 (A4), Nemo27_25 (A4), NotAPhaseMom_25 (A4), Nyxis_25 (A4), Obama12_26 (A4), Pipcraft_25 (A4), Skipitt_25 (A4), Spino_25 (A4), TinaFeyge_25 (A4), Tinybot_24 (A4), Wilbur_25 (A4),

Start 152:

- Found in 3 of 826 (0.4%) of genes in pham
- Manual Annotations of this start: 2 of 768
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Herbertwm_23 (A2), Iwokeuplikedis_27 (A2), Kinmap_26 (A21),

Start 162:

- Found in 136 of 826 (16.5%) of genes in pham
- Manual Annotations of this start: 10 of 768
- Called 10.3% of time when present
- Phage (with cluster) where this start called: Chupacabra_25 (A10), DustyMartin_29 (A10), Eaglepride_26 (A10), KittenMittens_24 (A10), LeoAvram_25 (A4), OKCentral2016_25 (A10), RhynO_26 (A10), Rosa24_24 (A4), Rowdy_29 (A10),

Severus_24 (A10), Shapes_29 (A10), Topanga_25 (A10), Trike_23 (A10), WalterMcMickey_25 (A10),

Start 172:

- Found in 5 of 826 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 768
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Cindaradix_24 (A4),

Start 182:

- Found in 52 of 826 (6.3%) of genes in pham
- Manual Annotations of this start: 15 of 768
- Called 30.8% of time when present
- Phage (with cluster) where this start called: Boohoo_28 (A15), DekHockey33_28 (A15), Epsocamisio_28 (A15), KatherineG_28 (A15), LastResort_28 (A15), Looper_29 (A15), Nedarya_27 (A15), Oofda_29 (A15), ReMo_28 (A15), Remus_28 (A15), Rosalind_28 (A15), ShayRa_29 (A15), Soups_28 (A15), Strosahl_28 (A15), Switzerland_28 (A15), Waits_28 (A15),

Summary by clusters:

There are 22 clusters represented in this pham: A15, A14, A17, A16, A11, A10, A13, A12, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, A, A20, A21,

Info for manual annotations of cluster A:

- Start number 135 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A1:

- Start number 106 was manually annotated 199 times for cluster A1.
- Start number 107 was manually annotated 8 times for cluster A1.
- Start number 108 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A10:

- Start number 101 was manually annotated 8 times for cluster A10.
- Start number 162 was manually annotated 9 times for cluster A10.

Info for manual annotations of cluster A11:

- Start number 113 was manually annotated 22 times for cluster A11.
- Start number 120 was manually annotated 2 times for cluster A11.

Info for manual annotations of cluster A12:

- Start number 27 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:

- Start number 134 was manually annotated 1 time for cluster A14.
- Start number 135 was manually annotated 2 times for cluster A14.
- Start number 142 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A15:

- Start number 115 was manually annotated 1 time for cluster A15.
- Start number 117 was manually annotated 4 times for cluster A15.
- Start number 135 was manually annotated 1 time for cluster A15.

- Start number 182 was manually annotated 15 times for cluster A15.

Info for manual annotations of cluster A16:

- Start number 5 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:

- Start number 124 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:

- Start number 40 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:

- Start number 25 was manually annotated 1 time for cluster A2.
- Start number 99 was manually annotated 1 time for cluster A2.
- Start number 100 was manually annotated 4 times for cluster A2.
- Start number 103 was manually annotated 88 times for cluster A2.
- Start number 135 was manually annotated 2 times for cluster A2.
- Start number 142 was manually annotated 4 times for cluster A2.
- Start number 152 was manually annotated 2 times for cluster A2.

Info for manual annotations of cluster A20:

- Start number 11 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A3:

- Start number 39 was manually annotated 32 times for cluster A3.
- Start number 40 was manually annotated 80 times for cluster A3.

Info for manual annotations of cluster A4:

- Start number 104 was manually annotated 113 times for cluster A4.
- Start number 151 was manually annotated 22 times for cluster A4.
- Start number 162 was manually annotated 1 time for cluster A4.
- Start number 172 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster A5:

- Start number 1 was manually annotated 30 times for cluster A5.
- Start number 2 was manually annotated 8 times for cluster A5.

Info for manual annotations of cluster A6:

- Start number 103 was manually annotated 1 time for cluster A6.
- Start number 124 was manually annotated 41 times for cluster A6.

Info for manual annotations of cluster A7:

- Start number 17 was manually annotated 4 times for cluster A7.
- Start number 33 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A8:

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

Info for manual annotations of cluster A9:

- Start number 23 was manually annotated 1 time for cluster A9.
- Start number 35 was manually annotated 1 time for cluster A9.

- Start number 54 was manually annotated 33 times for cluster A9.

Gene Information:

Gene: 20ES_26 Start: 16642, Stop: 19185, Start Num: 103

Candidate Starts for 20ES_26:

(47, 16390), (Start: 103 @16642 has 89 MA's), (170, 16822), (171, 16825), (Start: 182 @16855 has 15 MA's), (238, 16990), (242, 16999), (249, 17020), (251, 17029), (261, 17050), (272, 17083), (279, 17116), (305, 17209), (315, 17257), (318, 17275), (325, 17287), (330, 17308), (334, 17329), (337, 17350), (338, 17353), (375, 17539), (385, 17581), (386, 17590), (388, 17599), (402, 17656), (419, 17722), (433, 17761), (470, 17848), (499, 17947), (534, 18067), (540, 18076), (542, 18082), (548, 18091), (558, 18112), (568, 18136), (578, 18157), (596, 18178), (598, 18187), (609, 18217), (612, 18229), (615, 18244), (633, 18286), (671, 18379), (673, 18388), (686, 18415), (712, 18478), (749, 18661), (802, 18751), (806, 18760), (842, 18871), (847, 18901), (863, 18985),

Gene: 40AC_29 Start: 18647, Stop: 21385, Start Num: 116

Candidate Starts for 40AC_29:

(116, 18647), (156, 18758), (194, 18836), (200, 18860), (206, 18884), (241, 18989), (245, 18998), (251, 19028), (263, 19064), (286, 19145), (288, 19151), (289, 19154), (290, 19157), (312, 19265), (330, 19352), (332, 19364), (334, 19373), (349, 19457), (358, 19499), (377, 19595), (383, 19631), (391, 19673), (402, 19709), (407, 19736), (427, 19796), (515, 20042), (537, 20111), (544, 20123), (603, 20273), (643, 20399), (707, 20549), (713, 20561), (727, 20645), (772, 20831), (805, 20936), (813, 20966), (816, 20975), (842, 21074), (847, 21104), (861, 21170), (863, 21182), (891, 21323),

Gene: A6_22 Start: 15930, Stop: 18401, Start Num: 106

Candidate Starts for A6_22:

(Start: 106 @15930 has 199 MA's), (119, 15969), (141, 16032), (Start: 151 @16062 has 22 MA's), (160, 16083), (174, 16104), (178, 16116), (186, 16134), (236, 16158), (255, 16224), (264, 16251), (308, 16422), (314, 16455), (332, 16521), (381, 16776), (385, 16797), (390, 16824), (402, 16863), (467, 16983), (490, 17019), (542, 17112), (552, 17133), (583, 17190), (630, 17310), (639, 17346), (655, 17376), (666, 17412), (693, 17478), (700, 17499), (715, 17541), (734, 17640), (769, 17781), (778, 17802), (839, 18033), (852, 18114), (872, 18225), (885, 18312), (892, 18351), (894, 18366),

Gene: ACFishhook_27 Start: 16138, Stop: 19164, Start Num: 40

Candidate Starts for ACFishhook_27:

(31, 16084), (Start: 40 @16138 has 81 MA's), (56, 16252), (66, 16318), (67, 16321), (73, 16330), (84, 16366), (94, 16417), (118, 16489), (139, 16561), (183, 16681), (185, 16684), (207, 16753), (219, 16798), (251, 16891), (257, 16900), (272, 16945), (281, 16984), (288, 17008), (292, 17020), (301, 17053), (305, 17071), (309, 17092), (320, 17140), (322, 17146), (327, 17161), (330, 17170), (332, 17182), (334, 17191), (351, 17284), (372, 17371), (375, 17401), (376, 17404), (383, 17431), (385, 17443), (397, 17497), (402, 17518), (408, 17548), (419, 17584), (470, 17710), (484, 17764), (499, 17809), (512, 17857), (522, 17899), (526, 17908), (540, 17938), (573, 18010), (577, 18016), (595, 18037), (596, 18040), (600, 18052), (638, 18169), (642, 18178), (673, 18250), (674, 18253), (692, 18289), (700, 18310), (712, 18340), (713, 18343), (715, 18352), (750, 18535), (771, 18601), (775, 18613), (797, 18655), (811, 18718), (832, 18775), (841, 18844), (848, 18880), (864, 18961), (889, 19096), (891, 19108),

Gene: AFIS_24 Start: 16262, Stop: 18922, Start Num: 106

Candidate Starts for AFIS_24:

(Start: 106 @16262 has 199 MA's), (119, 16301), (141, 16364), (143, 16370), (Start: 151 @16394 has 22 MA's), (174, 16436), (308, 16745), (322, 16808), (334, 16853), (339, 16877), (353, 16952), (356,

16964), (440, 17285), (555, 17615), (576, 17666), (586, 17693), (655, 17897), (695, 18011), (700, 18020), (708, 18041), (715, 18062), (734, 18161), (743, 18203), (744, 18206), (784, 18335), (810, 18419), (823, 18464), (872, 18746), (885, 18833), (892, 18872), (894, 18887),

Gene: AN3_26 Start: 16626, Stop: 19163, Start Num: 103

Candidate Starts for AN3_26:

(Start: 103 @16626 has 89 MA's), (170, 16806), (171, 16809), (195, 16857), (238, 16968), (242, 16977), (249, 16998), (251, 17007), (261, 17028), (272, 17061), (279, 17094), (305, 17187), (315, 17235), (318, 17253), (325, 17265), (330, 17286), (334, 17307), (337, 17328), (338, 17331), (375, 17517), (385, 17559), (386, 17568), (402, 17634), (419, 17700), (429, 17727), (433, 17739), (470, 17826), (499, 17925), (534, 18045), (540, 18054), (542, 18060), (548, 18069), (558, 18090), (568, 18114), (578, 18135), (596, 18156), (597, 18162), (609, 18195), (612, 18207), (633, 18264), (673, 18366), (686, 18393), (712, 18456), (802, 18729), (806, 18738), (842, 18849), (847, 18879), (863, 18963),

Gene: AN9_29 Start: 16651, Stop: 19164, Start Num: 103

Candidate Starts for AN9_29:

(Start: 103 @16651 has 89 MA's), (170, 16831), (171, 16834), (226, 16945), (272, 17080), (287, 17140), (292, 17155), (300, 17185), (301, 17188), (318, 17272), (327, 17296), (333, 17320), (337, 17347), (338, 17350), (363, 17461), (375, 17536), (382, 17563), (385, 17578), (397, 17632), (402, 17653), (419, 17719), (426, 17737), (429, 17746), (470, 17845), (479, 17878), (481, 17887), (499, 17944), (503, 17959), (534, 18064), (596, 18175), (600, 18187), (603, 18193), (612, 18226), (657, 18346), (712, 18475), (716, 18490), (720, 18520), (725, 18532), (730, 18568), (759, 18682), (771, 18694), (799, 18736), (858, 18943), (862, 18961), (863, 18964), (899, 19150),

Gene: ANI8_29 Start: 16651, Stop: 19164, Start Num: 103

Candidate Starts for ANI8_29:

(Start: 103 @16651 has 89 MA's), (170, 16831), (171, 16834), (226, 16945), (272, 17080), (287, 17140), (292, 17155), (300, 17185), (301, 17188), (318, 17272), (327, 17296), (333, 17320), (337, 17347), (338, 17350), (363, 17461), (375, 17536), (382, 17563), (385, 17578), (397, 17632), (402, 17653), (419, 17719), (426, 17737), (429, 17746), (470, 17845), (479, 17878), (481, 17887), (499, 17944), (503, 17959), (534, 18064), (596, 18175), (600, 18187), (603, 18193), (612, 18226), (657, 18346), (712, 18475), (716, 18490), (720, 18520), (725, 18532), (730, 18568), (759, 18682), (771, 18694), (799, 18736), (858, 18943), (862, 18961), (863, 18964), (899, 19150),

Gene: AbbyPaige_28 Start: 17120, Stop: 19663, Start Num: 103

Candidate Starts for AbbyPaige_28:

(Start: 103 @17120 has 89 MA's), (170, 17300), (171, 17303), (Start: 182 @17333 has 15 MA's), (240, 17471), (242, 17477), (249, 17498), (251, 17507), (257, 17516), (261, 17528), (275, 17573), (279, 17594), (292, 17636), (305, 17687), (314, 17732), (315, 17735), (318, 17753), (330, 17786), (332, 17798), (334, 17807), (337, 17828), (338, 17831), (354, 17918), (375, 18017), (385, 18059), (386, 18068), (388, 18077), (402, 18134), (419, 18200), (433, 18239), (472, 18332), (481, 18368), (499, 18425), (518, 18491), (526, 18524), (531, 18539), (534, 18545), (540, 18554), (548, 18569), (558, 18590), (567, 18611), (577, 18632), (578, 18635), (595, 18653), (596, 18656), (612, 18707), (633, 18764), (637, 18782), (648, 18806), (673, 18866), (686, 18893), (712, 18956), (720, 19001), (749, 19139), (802, 19229), (806, 19238), (826, 19262), (840, 19340), (842, 19349), (847, 19379), (863, 19463),

Gene: AbbysRanger_25 Start: 15899, Stop: 18499, Start Num: 104

Candidate Starts for AbbysRanger_25:

(Start: 104 @15899 has 113 MA's), (222, 16241), (239, 16289), (256, 16346), (284, 16451), (288, 16466), (292, 16478), (308, 16541), (334, 16649), (337, 16670), (341, 16691), (446, 17042), (474, 17093), (489, 17138), (530, 17249), (532, 17255), (582, 17351), (605, 17387), (614, 17423), (633,

17471), (683, 17588), (719, 17702), (750, 17867), (757, 17885), (798, 17999), (803, 18011), (831, 18101), (844, 18194), (857, 18266), (860, 18275), (872, 18335), (874, 18344), (889, 18431), (896, 18479),

Gene: Abbysshoes_25 Start: 16660, Stop: 19059, Start Num: 106

Candidate Starts for Abbysshoes_25:

(Start: 106 @16660 has 199 MA's), (119, 16699), (141, 16762), (Start: 151 @16792 has 22 MA's), (160, 16813), (174, 16834), (178, 16846), (186, 16864), (243, 16909), (255, 16954), (308, 17152), (314, 17185), (332, 17251), (381, 17506), (385, 17527), (390, 17554), (402, 17593), (423, 17650), (440, 17680), (542, 17842), (616, 17995), (625, 18007), (629, 18022), (679, 18139), (703, 18184), (709, 18205), (710, 18208), (746, 18358), (750, 18373), (769, 18439), (789, 18481), (839, 18691), (852, 18772), (872, 18883), (885, 18970), (892, 19009), (894, 19024),

Gene: Abdiel_24 Start: 15882, Stop: 18482, Start Num: 104

Candidate Starts for Abdiel_24:

(Start: 104 @15882 has 113 MA's), (Start: 151 @16023 has 22 MA's), (Start: 162 @16041 has 10 MA's), (233, 16248), (245, 16287), (251, 16317), (276, 16401), (284, 16434), (292, 16461), (308, 16524), (322, 16587), (334, 16632), (341, 16674), (357, 16758), (446, 17025), (474, 17076), (489, 17121), (519, 17199), (532, 17238), (614, 17406), (622, 17427), (632, 17451), (655, 17511), (657, 17517), (659, 17520), (683, 17571), (700, 17619), (719, 17685), (750, 17850), (757, 17868), (803, 17994), (856, 18246), (857, 18249), (860, 18258), (872, 18318), (889, 18414), (896, 18462),

Gene: Abrogate_250 Start: 17018, Stop: 19597, Start Num: 106

Candidate Starts for Abrogate_250:

(Start: 106 @17018 has 199 MA's), (119, 17057), (141, 17120), (Start: 151 @17150 has 22 MA's), (227, 17234), (279, 17405), (322, 17573), (334, 17618), (338, 17642), (341, 17660), (410, 17972), (477, 18128), (513, 18230), (525, 18263), (562, 18335), (583, 18374), (619, 18461), (655, 18560), (693, 18662), (700, 18683), (705, 18695), (715, 18725), (734, 18824), (746, 18887), (814, 19106), (823, 19139), (872, 19421), (885, 19508), (892, 19547), (894, 19562),

Gene: Achebe_24 Start: 15879, Stop: 18479, Start Num: 104

Candidate Starts for Achebe_24:

(Start: 104 @15879 has 113 MA's), (239, 16269), (276, 16398), (284, 16431), (292, 16458), (308, 16521), (334, 16629), (362, 16764), (412, 16962), (460, 17049), (474, 17073), (489, 17118), (530, 17229), (532, 17235), (614, 17403), (633, 17451), (655, 17508), (683, 17568), (700, 17616), (713, 17649), (719, 17682), (722, 17700), (750, 17847), (757, 17865), (803, 17991), (831, 18081), (845, 18180), (857, 18246), (860, 18255), (872, 18315), (874, 18324), (880, 18360), (883, 18378), (889, 18411), (896, 18459),

Gene: Acme_26 Start: 16689, Stop: 19160, Start Num: 106

Candidate Starts for Acme_26:

(Start: 106 @16689 has 199 MA's), (119, 16728), (141, 16791), (Start: 151 @16821 has 22 MA's), (160, 16842), (174, 16863), (178, 16875), (186, 16893), (236, 16917), (275, 17055), (284, 17091), (308, 17181), (314, 17214), (332, 17280), (381, 17535), (385, 17556), (390, 17583), (395, 17598), (423, 17679), (467, 17742), (490, 17778), (542, 17871), (552, 17892), (559, 17907), (569, 17928), (571, 17931), (606, 18000), (616, 18036), (630, 18069), (639, 18105), (655, 18135), (666, 18171), (693, 18237), (700, 18258), (734, 18399), (769, 18540), (778, 18561), (822, 18696), (852, 18873), (872, 18984), (882, 19050), (885, 19071), (892, 19110), (894, 19125),

Gene: Acolyte_26 Start: 16749, Stop: 19700, Start Num: 25

Candidate Starts for Acolyte_26:

(Start: 25 @16749 has 1 MA's), (29, 16767), (46, 16872), (53, 16929), (55, 16941), (57, 16959), (74, 17031), (93, 17115), (159, 17310), (179, 17358), (195, 17382), (246, 17523), (252, 17550), (257,

17565), (268, 17598), (272, 17610), (287, 17670), (292, 17685), (304, 17727), (314, 17781), (315, 17784), (330, 17835), (332, 17847), (334, 17856), (337, 17877), (375, 18066), (382, 18093), (385, 18108), (397, 18162), (402, 18183), (419, 18249), (430, 18279), (443, 18324), (484, 18429), (486, 18441), (502, 18486), (512, 18522), (530, 18585), (558, 18639), (577, 18681), (595, 18702), (596, 18705), (604, 18726), (632, 18810), (633, 18813), (648, 18855), (712, 19005), (718, 19038), (720, 19050), (725, 19062), (730, 19098), (759, 19212), (802, 19281),

Gene: Adahisdi_25 Start: 16587, Stop: 19067, Start Num: 106

Candidate Starts for Adahisdi_25:

(Start: 106 @16587 has 199 MA's), (119, 16626), (141, 16689), (Start: 151 @16719 has 22 MA's), (174, 16761), (278, 16968), (284, 16986), (308, 17076), (322, 17139), (330, 17163), (332, 17175), (341, 17226), (451, 17610), (518, 17712), (529, 17751), (549, 17778), (559, 17802), (655, 18030), (693, 18132), (700, 18153), (715, 18195), (734, 18294), (746, 18357), (814, 18576), (823, 18609), (872, 18891), (885, 18978), (892, 19017), (896, 19047),

Gene: Adzzy_27 Start: 15361, Stop: 17886, Start Num: 100

Candidate Starts for Adzzy_27:

(Start: 100 @15361 has 4 MA's), (105, 15379), (141, 15484), (168, 15550), (170, 15553), (171, 15556), (Start: 182 @15586 has 15 MA's), (262, 15775), (272, 15805), (279, 15838), (280, 15841), (292, 15880), (305, 15931), (314, 15976), (318, 15997), (330, 16030), (333, 16045), (334, 16051), (337, 16072), (375, 16261), (382, 16288), (385, 16303), (397, 16357), (400, 16369), (402, 16378), (419, 16444), (499, 16669), (503, 16684), (514, 16726), (530, 16780), (534, 16789), (549, 16816), (558, 16834), (573, 16870), (595, 16897), (596, 16900), (609, 16939), (612, 16951), (642, 17038), (673, 17110), (686, 17137), (704, 17179), (712, 17200), (720, 17245), (759, 17407), (802, 17470), (843, 17596), (858, 17668), (863, 17689), (876, 17764), (886, 17800),

Gene: Aeneas_26 Start: 16694, Stop: 19174, Start Num: 106

Candidate Starts for Aeneas_26:

(Start: 106 @16694 has 199 MA's), (119, 16733), (141, 16796), (Start: 151 @16826 has 22 MA's), (174, 16868), (278, 17075), (284, 17093), (308, 17183), (322, 17246), (330, 17270), (332, 17282), (341, 17333), (451, 17717), (518, 17819), (529, 17858), (542, 17873), (559, 17909), (619, 18038), (655, 18137), (693, 18239), (700, 18260), (705, 18272), (715, 18302), (734, 18401), (746, 18464), (814, 18683), (823, 18716), (872, 18998), (885, 19085), (892, 19124), (894, 19139),

Gene: Agaliana_25 Start: 16638, Stop: 19118, Start Num: 106

Candidate Starts for Agaliana_25:

(Start: 106 @16638 has 199 MA's), (119, 16677), (141, 16740), (Start: 151 @16770 has 22 MA's), (174, 16812), (278, 17019), (284, 17037), (308, 17127), (322, 17190), (330, 17214), (332, 17226), (341, 17277), (451, 17661), (518, 17763), (529, 17802), (542, 17817), (549, 17829), (559, 17853), (655, 18081), (693, 18183), (700, 18204), (705, 18216), (715, 18246), (734, 18345), (746, 18408), (814, 18627), (823, 18660), (872, 18942), (882, 19008), (885, 19029), (892, 19068), (894, 19083),

Gene: Agape74_28 Start: 17096, Stop: 19639, Start Num: 103

Candidate Starts for Agape74_28:

(Start: 103 @17096 has 89 MA's), (170, 17276), (171, 17279), (240, 17447), (242, 17453), (249, 17474), (251, 17483), (257, 17492), (261, 17504), (275, 17549), (279, 17570), (292, 17612), (305, 17663), (314, 17708), (315, 17711), (318, 17729), (330, 17762), (332, 17774), (334, 17783), (337, 17804), (338, 17807), (354, 17894), (375, 17993), (385, 18035), (386, 18044), (388, 18053), (402, 18110), (419, 18176), (433, 18215), (472, 18308), (481, 18344), (499, 18401), (518, 18467), (526, 18500), (531, 18515), (534, 18521), (540, 18530), (548, 18545), (558, 18566), (567, 18587), (577, 18608), (578, 18611), (595, 18629), (596, 18632), (612, 18683), (633, 18740), (637, 18758), (648, 18782), (673, 18842), (686, 18869), (712, 18932), (720, 18977), (749, 19115), (802, 19205), (806, 19214), (826, 19238), (842, 19325), (847, 19355), (863, 19439),

Gene: AgentM_22 Start: 15319, Stop: 18660, Start Num: 1

Candidate Starts for AgentM_22:

(Start: 1 @15319 has 30 MA's), (37, 15757), (122, 16069), (144, 16147), (154, 16177), (175, 16234), (220, 16381), (222, 16387), (226, 16393), (263, 16519), (267, 16531), (308, 16681), (315, 16717), (322, 16747), (327, 16762), (334, 16792), (335, 16804), (340, 16828), (353, 16897), (371, 16963), (404, 17119), (423, 17188), (425, 17191), (438, 17218), (447, 17242), (512, 17380), (524, 17401), (549, 17446), (570, 17488), (650, 17680), (669, 17710), (677, 17734), (683, 17746), (693, 17767), (706, 17809), (726, 17896), (734, 17932), (739, 17953), (743, 17974), (762, 18052), (770, 18073), (776, 18094), (783, 18115), (792, 18136), (799, 18160), (816, 18223), (839, 18316), (842, 18334), (856, 18415), (860, 18427), (862, 18439), (864, 18448), (875, 18502), (888, 18586), (889, 18595),

Gene: Aglet_27 Start: 15980, Stop: 19006, Start Num: 40

Candidate Starts for Aglet_27:

(31, 15926), (Start: 40 @15980 has 81 MA's), (56, 16094), (66, 16160), (67, 16163), (73, 16172), (84, 16208), (94, 16259), (118, 16331), (139, 16403), (183, 16523), (185, 16526), (207, 16595), (219, 16640), (251, 16733), (257, 16742), (263, 16760), (272, 16787), (288, 16850), (292, 16862), (301, 16895), (305, 16913), (318, 16979), (320, 16982), (322, 16988), (327, 17003), (330, 17012), (332, 17024), (334, 17033), (351, 17126), (375, 17243), (376, 17246), (383, 17273), (385, 17285), (397, 17339), (402, 17360), (419, 17426), (433, 17465), (472, 17558), (484, 17606), (499, 17651), (512, 17699), (522, 17741), (526, 17750), (540, 17780), (541, 17783), (548, 17795), (573, 17852), (577, 17858), (595, 17879), (596, 17882), (642, 18020), (648, 18032), (673, 18092), (692, 18131), (734, 18287), (738, 18308), (742, 18332), (750, 18377), (757, 18395), (771, 18443), (775, 18455), (797, 18497), (811, 18560), (832, 18617), (841, 18686), (848, 18722), (864, 18803), (889, 18938),

Gene: AgronaGT15_27 Start: 15887, Stop: 18913, Start Num: 40

Candidate Starts for AgronaGT15_27:

(31, 15833), (Start: 40 @15887 has 81 MA's), (56, 16001), (66, 16067), (67, 16070), (73, 16079), (84, 16115), (94, 16166), (118, 16238), (139, 16310), (183, 16430), (185, 16433), (207, 16502), (219, 16547), (251, 16640), (257, 16649), (263, 16667), (272, 16694), (288, 16757), (292, 16769), (301, 16802), (305, 16820), (318, 16886), (320, 16889), (322, 16895), (327, 16910), (330, 16919), (332, 16931), (334, 16940), (347, 17018), (351, 17033), (375, 17150), (376, 17153), (383, 17180), (385, 17192), (397, 17246), (402, 17267), (419, 17333), (433, 17372), (472, 17465), (484, 17513), (499, 17558), (512, 17606), (522, 17648), (526, 17657), (540, 17687), (541, 17690), (548, 17702), (573, 17759), (577, 17765), (595, 17786), (596, 17789), (642, 17927), (648, 17939), (673, 17999), (699, 18056), (734, 18194), (738, 18215), (742, 18239), (750, 18284), (757, 18302), (771, 18350), (775, 18362), (797, 18404), (811, 18467), (832, 18524), (841, 18593), (848, 18629), (864, 18710), (889, 18845),

Gene: Airmid_22 Start: 15088, Stop: 17901, Start Num: 2

Candidate Starts for Airmid_22:

(Start: 2 @15088 has 8 MA's), (10, 15277), (84, 15625), (122, 15760), (123, 15766), (202, 15859), (222, 15910), (239, 15946), (266, 16036), (282, 16102), (288, 16123), (308, 16198), (314, 16231), (330, 16285), (335, 16318), (338, 16330), (357, 16429), (368, 16462), (389, 16591), (448, 16756), (465, 16789), (496, 16822), (562, 16903), (567, 16912), (568, 16915), (640, 17026), (645, 17035), (696, 17101), (706, 17110), (734, 17173), (743, 17215), (760, 17287), (770, 17314), (773, 17329), (783, 17356), (792, 17377), (816, 17464), (825, 17494), (839, 17557), (856, 17656), (860, 17668), (862, 17680), (864, 17689), (889, 17836),

Gene: Ajay_24 Start: 16404, Stop: 18875, Start Num: 106

Candidate Starts for Ajay_24:

(Start: 106 @16404 has 199 MA's), (119, 16443), (141, 16506), (Start: 151 @16536 has 22 MA's), (160, 16557), (174, 16578), (186, 16608), (236, 16632), (255, 16698), (308, 16896), (314, 16929),

(332, 16995), (381, 17250), (385, 17271), (390, 17298), (467, 17457), (490, 17493), (542, 17586), (552, 17607), (559, 17622), (569, 17643), (571, 17646), (606, 17715), (616, 17751), (630, 17784), (639, 17820), (655, 17850), (666, 17886), (693, 17952), (700, 17973), (734, 18114), (769, 18255), (778, 18276), (822, 18411), (852, 18588), (872, 18699), (885, 18786), (892, 18825),

Gene: Albee_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Albee_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (412, 16968), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Alberto7_26 Start: 16187, Stop: 18787, Start Num: 104

Candidate Starts for Alberto7_26:

(Start: 104 @16187 has 113 MA's), (Start: 151 @16328 has 22 MA's), (Start: 162 @16346 has 10 MA's), (233, 16553), (245, 16592), (251, 16622), (284, 16739), (292, 16766), (308, 16829), (322, 16892), (334, 16937), (341, 16979), (357, 17063), (446, 17330), (474, 17381), (489, 17426), (519, 17504), (530, 17537), (532, 17543), (545, 17564), (614, 17711), (622, 17732), (632, 17756), (657, 17822), (683, 17876), (700, 17924), (719, 17990), (750, 18155), (757, 18173), (803, 18299), (856, 18551), (857, 18554), (860, 18563), (872, 18623), (889, 18719), (896, 18767),

Gene: Aliter_27 Start: 17518, Stop: 20427, Start Num: 54

Candidate Starts for Aliter_27:

(Start: 54 @17518 has 33 MA's), (56, 17530), (66, 17590), (110, 17749), (127, 17812), (148, 17875), (164, 17917), (185, 17974), (253, 18184), (257, 18190), (262, 18205), (287, 18295), (288, 18298), (292, 18310), (304, 18352), (314, 18406), (334, 18481), (337, 18502), (338, 18505), (341, 18523), (353, 18586), (371, 18652), (375, 18691), (382, 18718), (385, 18733), (391, 18763), (397, 18787), (400, 18799), (402, 18808), (419, 18874), (433, 18913), (455, 18979), (472, 19006), (479, 19033), (499, 19099), (511, 19144), (534, 19219), (558, 19264), (567, 19285), (577, 19306), (578, 19309), (595, 19327), (596, 19330), (606, 19357), (633, 19438), (648, 19480), (712, 19630), (716, 19645), (720, 19675), (731, 19726), (749, 19813), (751, 19822), (766, 19873), (797, 19936), (803, 19957), (810, 19993), (826, 20029), (827, 20035), (841, 20113), (846, 20140), (857, 20200), (872, 20269), (876, 20299), (882, 20326), (891, 20365), (897, 20407),

Gene: Alma_27 Start: 17597, Stop: 20506, Start Num: 54

Candidate Starts for Alma_27:

(Start: 54 @17597 has 33 MA's), (56, 17609), (66, 17669), (127, 17891), (148, 17954), (164, 17996), (183, 18050), (185, 18053), (199, 18092), (253, 18263), (257, 18269), (262, 18284), (287, 18374), (288, 18377), (292, 18389), (304, 18431), (314, 18485), (318, 18506), (334, 18560), (337, 18581), (338, 18584), (341, 18602), (353, 18665), (371, 18731), (375, 18770), (382, 18797), (385, 18812), (391, 18842), (397, 18866), (400, 18878), (402, 18887), (419, 18953), (433, 18992), (455, 19058), (472, 19085), (479, 19112), (511, 19223), (534, 19298), (548, 19322), (558, 19343), (567, 19364), (577, 19385), (578, 19388), (595, 19406), (596, 19409), (606, 19436), (626, 19496), (635, 19526), (648, 19559), (662, 19589), (668, 19601), (712, 19709), (716, 19724), (720, 19754), (731, 19805), (749, 19892), (751, 19901), (766, 19952), (797, 20015), (803, 20036), (810, 20072), (826, 20108), (827, 20114), (841, 20192), (846, 20219), (872, 20348), (876, 20378), (882, 20405), (891, 20444), (897, 20486),

Gene: Alsfro_28 Start: 17131, Stop: 19605, Start Num: 106

Candidate Starts for Alsfro_28:

(Start: 106 @17131 has 199 MA's), (119, 17170), (131, 17215), (141, 17233), (143, 17239), (Start: 151 @17263 has 22 MA's), (174, 17305), (278, 17506), (284, 17524), (308, 17614), (322, 17677), (330, 17701), (332, 17713), (341, 17764), (437, 18127), (451, 18148), (518, 18250), (529, 18289), (549, 18316), (559, 18340), (619, 18469), (655, 18568), (671, 18622), (693, 18670), (700, 18691), (715, 18733), (728, 18808), (734, 18832), (746, 18895), (799, 19048), (814, 19114), (823, 19147), (872, 19429), (885, 19516), (892, 19555), (894, 19570),

Gene: Altman_26 Start: 17183, Stop: 19663, Start Num: 106

Candidate Starts for Altman_26:

(Start: 106 @17183 has 199 MA's), (119, 17222), (141, 17285), (143, 17291), (Start: 151 @17315 has 22 MA's), (174, 17357), (278, 17564), (284, 17582), (308, 17672), (322, 17735), (330, 17759), (332, 17771), (341, 17822), (451, 18206), (518, 18308), (529, 18347), (549, 18374), (559, 18398), (619, 18527), (655, 18626), (693, 18728), (700, 18749), (705, 18761), (715, 18791), (734, 18890), (746, 18953), (814, 19172), (823, 19205), (872, 19487), (882, 19553), (885, 19574), (892, 19613), (894, 19628),

Gene: Alvin_25 Start: 16904, Stop: 19375, Start Num: 106

Candidate Starts for Alvin_25:

(Start: 106 @16904 has 199 MA's), (119, 16943), (141, 17006), (Start: 151 @17036 has 22 MA's), (160, 17057), (174, 17078), (178, 17090), (186, 17108), (236, 17132), (255, 17198), (308, 17396), (314, 17429), (332, 17495), (381, 17750), (385, 17771), (390, 17798), (467, 17957), (490, 17993), (542, 18086), (552, 18107), (583, 18164), (630, 18284), (639, 18320), (655, 18350), (666, 18386), (693, 18452), (700, 18473), (715, 18515), (734, 18614), (769, 18755), (778, 18776), (839, 19007), (852, 19088), (872, 19199), (885, 19286), (892, 19325), (896, 19355),

Gene: Anaysia_28 Start: 15755, Stop: 18112, Start Num: 117

Candidate Starts for Anaysia_28:

(Start: 115 @15746 has 1 MA's), (Start: 117 @15755 has 4 MA's), (Start: 182 @15923 has 15 MA's), (262, 16166), (263, 16172), (283, 16241), (299, 16298), (334, 16442), (341, 16484), (350, 16532), (351, 16535), (374, 16646), (377, 16664), (404, 16769), (417, 16817), (486, 16922), (515, 16982), (546, 17036), (564, 17072), (582, 17096), (591, 17105), (617, 17168), (627, 17189), (632, 17204), (639, 17228), (646, 17240), (677, 17294), (690, 17315), (701, 17345), (754, 17516), (760, 17537), (792, 17621), (864, 17924), (889, 18047), (891, 18059),

Gene: Aneem_26 Start: 17163, Stop: 19709, Start Num: 113

Candidate Starts for Aneem_26:

(Start: 113 @17163 has 22 MA's), (Start: 120 @17181 has 2 MA's), (186, 17355), (194, 17364), (217, 17439), (245, 17493), (260, 17547), (264, 17562), (265, 17565), (272, 17583), (288, 17646), (292, 17658), (308, 17721), (322, 17784), (327, 17799), (330, 17808), (334, 17829), (338, 17853), (341, 17868), (359, 17955), (361, 17958), (366, 17973), (370, 17994), (372, 18006), (381, 18072), (395, 18135), (396, 18144), (404, 18168), (436, 18249), (439, 18258), (443, 18270), (466, 18312), (497, 18369), (515, 18423), (560, 18531), (575, 18570), (628, 18711), (674, 18807), (681, 18828), (694, 18861), (711, 18894), (713, 18897), (733, 18981), (743, 19026), (744, 19029), (772, 19143), (783, 19176), (806, 19248), (816, 19284), (835, 19356), (847, 19434), (857, 19488), (863, 19512), (873, 19560), (886, 19623),

Gene: Anglerfish_25 Start: 17554, Stop: 19554, Start Num: 106

Candidate Starts for Anglerfish_25:

(Start: 106 @17554 has 199 MA's), (119, 17593), (141, 17656), (Start: 151 @17686 has 22 MA's), (160, 17707), (231, 17767), (259, 17863), (278, 17932), (282, 17944), (308, 18040), (314, 18073), (368, 18307), (475, 18595), (527, 18697), (583, 18787), (601, 18829), (632, 18883), (635, 18895), (639, 18910), (655, 18928), (661, 18940), (715, 19048), (734, 19144), (801, 19354), (836, 19504),

Gene: AnnaL29_29 Start: 18479, Stop: 20977, Start Num: 103

Candidate Starts for AnnaL29_29:

(Start: 103 @18479 has 89 MA's), (147, 18608), (165, 18647), (Start: 182 @18692 has 15 MA's), (242, 18794), (249, 18815), (257, 18833), (269, 18869), (292, 18953), (305, 19004), (320, 19073), (322, 19079), (327, 19094), (330, 19103), (332, 19115), (334, 19124), (375, 19334), (382, 19361), (385, 19376), (397, 19430), (402, 19451), (419, 19517), (433, 19556), (441, 19589), (454, 19619), (499, 19742), (503, 19757), (508, 19784), (531, 19856), (540, 19871), (542, 19877), (548, 19886), (567, 19928), (573, 19943), (578, 19952), (596, 19973), (597, 19979), (609, 20012), (615, 20039), (630, 20069), (633, 20081), (642, 20111), (648, 20123), (686, 20210), (700, 20243), (712, 20273), (718, 20306), (720, 20318), (725, 20330), (749, 20456), (799, 20537), (802, 20546), (806, 20555), (842, 20666), (847, 20696), (863, 20777), (891, 20918),

Gene: Annyong_25 Start: 15886, Stop: 18486, Start Num: 104

Candidate Starts for Annyong_25:

(Start: 104 @15886 has 113 MA's), (Start: 151 @16027 has 22 MA's), (Start: 162 @16045 has 10 MA's), (233, 16252), (245, 16291), (251, 16321), (284, 16438), (292, 16465), (308, 16528), (322, 16591), (334, 16636), (341, 16678), (357, 16762), (446, 17029), (474, 17080), (489, 17125), (519, 17203), (530, 17236), (532, 17242), (582, 17338), (595, 17347), (614, 17410), (622, 17431), (633, 17458), (655, 17515), (657, 17521), (683, 17575), (700, 17623), (719, 17689), (750, 17854), (757, 17872), (803, 17998), (856, 18250), (857, 18253), (860, 18262), (872, 18322), (889, 18418), (896, 18466),

Gene: Anon_26 Start: 16290, Stop: 18746, Start Num: 135

Candidate Starts for Anon_26:

(58, 15978), (60, 15987), (68, 16038), (72, 16047), (77, 16068), (Start: 135 @16290 has 6 MA's), (143, 16311), (161, 16356), (171, 16383), (192, 16431), (215, 16509), (224, 16542), (226, 16545), (228, 16551), (249, 16620), (254, 16635), (255, 16638), (256, 16641), (261, 16656), (293, 16773), (308, 16827), (314, 16860), (322, 16890), (327, 16905), (329, 16911), (330, 16914), (332, 16926), (342, 16977), (349, 17013), (353, 17034), (377, 17151), (410, 17268), (413, 17286), (414, 17289), (436, 17322), (458, 17370), (476, 17394), (628, 17739), (698, 17901), (711, 17922), (726, 17976), (763, 18135), (767, 18153), (770, 18162), (776, 18183), (792, 18225), (796, 18237), (837, 18402), (847, 18474), (866, 18561), (867, 18567), (889, 18678),

Gene: Anselm_26 Start: 16722, Stop: 19259, Start Num: 103

Candidate Starts for Anselm_26:

(Start: 103 @16722 has 89 MA's), (170, 16902), (171, 16905), (Start: 182 @16935 has 15 MA's), (242, 17073), (249, 17094), (251, 17103), (261, 17124), (272, 17157), (292, 17232), (305, 17283), (314, 17328), (315, 17331), (318, 17349), (330, 17382), (332, 17394), (334, 17403), (337, 17424), (338, 17427), (375, 17613), (385, 17655), (386, 17664), (388, 17673), (402, 17730), (419, 17796), (433, 17835), (472, 17928), (499, 18021), (526, 18120), (531, 18135), (534, 18141), (540, 18150), (548, 18165), (558, 18186), (567, 18207), (568, 18210), (578, 18231), (596, 18252), (597, 18258), (609, 18291), (612, 18303), (648, 18402), (673, 18462), (686, 18489), (712, 18552), (720, 18597), (749, 18735), (802, 18825), (806, 18834), (826, 18858), (842, 18945), (847, 18975), (863, 19059),

Gene: Anthony_25 Start: 14775, Stop: 17657, Start Num: 11

Candidate Starts for Anthony_25:

(Start: 9 @14736 has 11 MA's), (Start: 11 @14775 has 1 MA's), (26, 14934), (30, 14946), (34, 14979), (45, 15024), (48, 15045), (79, 15063), (82, 15072), (92, 15117), (109, 15165), (149, 15288), (194, 15381), (209, 15438), (217, 15468), (245, 15525), (267, 15603), (270, 15612), (276, 15630), (281, 15654), (290, 15684), (308, 15753), (322, 15819), (325, 15822), (330, 15843), (363, 15993), (409, 16209), (425, 16257), (462, 16338), (464, 16341), (547, 16503), (551, 16515), (593, 16596), (612, 16638), (641, 16728), (670, 16776), (688, 16809), (742, 16998), (744, 17010), (745, 17019), (761, 17082), (773, 17121), (776, 17127), (792, 17169), (817, 17247), (858, 17436), (862, 17454), (863,

17457), (872, 17502), (887, 17586), (895, 17634),

Gene: Anubis_29 Start: 15865, Stop: 18891, Start Num: 40

Candidate Starts for Anubis_29:

(31, 15811), (Start: 40 @15865 has 81 MA's), (56, 15979), (66, 16045), (67, 16048), (73, 16057), (84, 16093), (94, 16144), (118, 16216), (139, 16288), (183, 16408), (185, 16411), (207, 16480), (219, 16525), (251, 16618), (257, 16627), (263, 16645), (272, 16672), (288, 16735), (292, 16747), (301, 16780), (305, 16798), (318, 16864), (320, 16867), (322, 16873), (327, 16888), (330, 16897), (332, 16909), (334, 16918), (347, 16996), (351, 17011), (375, 17128), (376, 17131), (383, 17158), (385, 17170), (397, 17224), (402, 17245), (419, 17311), (433, 17350), (472, 17443), (484, 17491), (499, 17536), (512, 17584), (522, 17626), (526, 17635), (540, 17665), (541, 17668), (548, 17680), (573, 17737), (577, 17743), (595, 17764), (596, 17767), (642, 17905), (648, 17917), (673, 17977), (699, 18034), (734, 18172), (738, 18193), (742, 18217), (750, 18262), (757, 18280), (771, 18328), (775, 18340), (797, 18382), (811, 18445), (832, 18502), (841, 18571), (848, 18607), (864, 18688), (889, 18823),

Gene: Applejack_24 Start: 16335, Stop: 18815, Start Num: 106

Candidate Starts for Applejack_24:

(Start: 106 @16335 has 199 MA's), (119, 16374), (141, 16437), (Start: 151 @16467 has 22 MA's), (174, 16509), (278, 16716), (284, 16734), (308, 16824), (322, 16887), (330, 16911), (332, 16923), (341, 16974), (451, 17358), (518, 17460), (529, 17499), (549, 17526), (559, 17550), (619, 17679), (655, 17778), (693, 17880), (700, 17901), (705, 17913), (715, 17943), (734, 18042), (746, 18105), (814, 18324), (823, 18357), (872, 18639), (885, 18726), (892, 18765), (894, 18780),

Gene: Aragog_22 Start: 15349, Stop: 18690, Start Num: 1

Candidate Starts for Aragog_22:

(Start: 1 @15349 has 30 MA's), (37, 15787), (122, 16099), (144, 16177), (154, 16207), (175, 16264), (220, 16411), (222, 16417), (226, 16423), (263, 16549), (267, 16561), (308, 16711), (315, 16747), (322, 16777), (327, 16792), (334, 16822), (335, 16834), (340, 16858), (353, 16927), (371, 16993), (404, 17149), (423, 17218), (425, 17221), (438, 17248), (447, 17272), (512, 17410), (524, 17431), (549, 17476), (570, 17518), (650, 17710), (669, 17740), (677, 17764), (683, 17776), (693, 17797), (706, 17839), (726, 17926), (734, 17962), (739, 17983), (743, 18004), (762, 18082), (770, 18103), (776, 18124), (783, 18145), (792, 18166), (799, 18190), (816, 18253), (839, 18346), (842, 18364), (856, 18445), (860, 18457), (862, 18469), (864, 18478), (875, 18532), (888, 18616), (889, 18625),

Gene: Arcanine_25 Start: 16570, Stop: 18570, Start Num: 106

Candidate Starts for Arcanine_25:

(Start: 106 @16570 has 199 MA's), (119, 16609), (141, 16672), (Start: 151 @16702 has 22 MA's), (160, 16723), (231, 16783), (259, 16879), (271, 16918), (278, 16948), (282, 16960), (308, 17056), (314, 17089), (368, 17323), (424, 17548), (475, 17611), (527, 17713), (536, 17725), (583, 17803), (601, 17845), (632, 17899), (635, 17911), (639, 17926), (655, 17944), (661, 17956), (700, 18034), (715, 18064), (723, 18109), (734, 18160), (801, 18370), (836, 18520),

Gene: ArcherNM_28 Start: 18421, Stop: 20922, Start Num: 103

Candidate Starts for ArcherNM_28:

(80, 18337), (Start: 103 @18421 has 89 MA's), (141, 18532), (147, 18550), (170, 18604), (175, 18619), (Start: 182 @18637 has 15 MA's), (184, 18643), (238, 18730), (249, 18760), (257, 18778), (292, 18898), (305, 18949), (320, 19018), (322, 19024), (327, 19039), (330, 19048), (332, 19060), (334, 19069), (375, 19279), (382, 19306), (385, 19321), (397, 19375), (402, 19396), (419, 19462), (433, 19501), (499, 19687), (508, 19729), (526, 19786), (531, 19801), (534, 19807), (540, 19816), (548, 19831), (558, 19852), (567, 19873), (595, 19915), (600, 19930), (609, 19957), (630, 20014), (633, 20026), (648, 20068), (673, 20128), (686, 20155), (699, 20185), (712, 20218), (720, 20263), (725, 20275), (799, 20482), (802, 20491), (806, 20500), (842, 20611), (847, 20641), (863, 20722),

(889, 20851),

Gene: Archetta_22 Start: 15062, Stop: 18403, Start Num: 1

Candidate Starts for Archetta_22:

(Start: 1 @15062 has 30 MA's), (37, 15500), (122, 15812), (144, 15890), (154, 15920), (175, 15977), (220, 16124), (222, 16130), (226, 16136), (263, 16262), (267, 16274), (308, 16424), (315, 16460), (322, 16490), (327, 16505), (334, 16535), (335, 16547), (340, 16571), (353, 16640), (371, 16706), (404, 16862), (423, 16931), (425, 16934), (438, 16961), (447, 16985), (512, 17123), (524, 17144), (549, 17189), (570, 17231), (650, 17423), (669, 17453), (677, 17477), (683, 17489), (693, 17510), (706, 17552), (726, 17639), (734, 17675), (739, 17696), (743, 17717), (762, 17795), (770, 17816), (776, 17837), (783, 17858), (792, 17879), (799, 17903), (816, 17966), (839, 18059), (842, 18077), (856, 18158), (860, 18170), (862, 18182), (864, 18191), (875, 18245), (888, 18329), (889, 18338),

Gene: Arissanae_25 Start: 15680, Stop: 18592, Start Num: 54

Candidate Starts for Arissanae_25:

(Start: 54 @15680 has 33 MA's), (56, 15692), (61, 15716), (63, 15728), (91, 15848), (102, 15890), (110, 15911), (164, 16079), (183, 16133), (185, 16136), (247, 16328), (253, 16346), (259, 16358), (261, 16364), (272, 16397), (279, 16430), (290, 16466), (292, 16472), (296, 16493), (305, 16523), (314, 16568), (318, 16589), (327, 16613), (328, 16616), (332, 16634), (334, 16643), (335, 16655), (345, 16703), (353, 16748), (375, 16853), (396, 16946), (397, 16949), (399, 16955), (402, 16970), (404, 16979), (406, 16991), (412, 17015), (416, 17027), (419, 17036), (445, 17120), (454, 17138), (455, 17141), (530, 17372), (534, 17381), (558, 17426), (567, 17447), (573, 17462), (577, 17468), (595, 17489), (596, 17492), (606, 17519), (613, 17546), (633, 17600), (648, 17642), (668, 17684), (712, 17792), (731, 17888), (749, 17975), (751, 17984), (766, 18035), (797, 18098), (810, 18158), (826, 18194), (827, 18200), (841, 18278), (846, 18305), (848, 18314), (876, 18464), (886, 18500), (889, 18518), (891, 18530),

Gene: Arlo_23 Start: 15964, Stop: 18444, Start Num: 106

Candidate Starts for Arlo_23:

(Start: 106 @15964 has 199 MA's), (119, 16003), (141, 16066), (Start: 151 @16096 has 22 MA's), (174, 16138), (278, 16345), (284, 16363), (308, 16453), (322, 16516), (330, 16540), (332, 16552), (341, 16603), (451, 16987), (518, 17089), (529, 17128), (542, 17143), (549, 17155), (559, 17179), (619, 17308), (655, 17407), (693, 17509), (700, 17530), (715, 17572), (734, 17671), (746, 17734), (772, 17824), (814, 17953), (823, 17986), (872, 18268), (882, 18334), (885, 18355), (892, 18394), (896, 18424),

Gene: Artemis2UCLA_29 Start: 16617, Stop: 18833, Start Num: 124

Candidate Starts for Artemis2UCLA_29:

(98, 16572), (Start: 124 @16617 has 42 MA's), (166, 16728), (217, 16884), (263, 17031), (267, 17043), (307, 17190), (308, 17193), (314, 17226), (336, 17316), (349, 17385), (368, 17460), (404, 17628), (599, 17886), (628, 17931), (701, 18039), (734, 18102), (743, 18144), (770, 18243), (776, 18264), (792, 18306), (806, 18357), (813, 18384), (835, 18465), (847, 18555),

Gene: Arturo_24 Start: 16137, Stop: 18596, Start Num: 151

Candidate Starts for Arturo_24:

(Start: 104 @15996 has 113 MA's), (Start: 151 @16137 has 22 MA's), (Start: 162 @16155 has 10 MA's), (214, 16311), (233, 16362), (251, 16431), (284, 16548), (292, 16575), (308, 16638), (322, 16701), (334, 16746), (341, 16788), (357, 16872), (446, 17139), (474, 17190), (489, 17235), (519, 17313), (530, 17346), (532, 17352), (597, 17466), (614, 17520), (632, 17565), (655, 17625), (683, 17685), (719, 17799), (722, 17817), (750, 17964), (757, 17982), (803, 18108), (856, 18360), (857, 18363), (860, 18372), (871, 18429), (872, 18432), (880, 18477), (889, 18528), (896, 18576),

Gene: Ashballer_23 Start: 16347, Stop: 18818, Start Num: 106

Candidate Starts for Ashballe_23:

(Start: 106 @16347 has 199 MA's), (119, 16386), (141, 16449), (Start: 151 @16479 has 22 MA's), (160, 16500), (174, 16521), (178, 16533), (186, 16551), (255, 16641), (308, 16839), (314, 16872), (332, 16938), (381, 17193), (385, 17214), (390, 17241), (467, 17400), (490, 17436), (542, 17529), (552, 17550), (583, 17607), (630, 17727), (639, 17763), (655, 17793), (666, 17829), (693, 17895), (700, 17916), (734, 18057), (769, 18198), (778, 18219), (822, 18354), (852, 18531), (872, 18642), (882, 18708), (885, 18729), (892, 18768),

Gene: Astro_22 Start: 14549, Stop: 17626, Start Num: 9

Candidate Starts for Astro_22:

(Start: 9 @14549 has 11 MA's), (16, 14633), (37, 14801), (42, 14825), (76, 14873), (111, 14993), (130, 15065), (187, 15215), (189, 15218), (191, 15224), (245, 15410), (262, 15470), (263, 15476), (282, 15542), (290, 15569), (293, 15584), (307, 15635), (308, 15638), (314, 15671), (322, 15704), (359, 15872), (396, 16055), (404, 16079), (414, 16127), (423, 16148), (425, 16151), (486, 16295), (514, 16352), (531, 16382), (557, 16421), (593, 16493), (609, 16523), (640, 16622), (653, 16652), (677, 16697), (734, 16895), (739, 16916), (742, 16928), (770, 17036), (792, 17099), (799, 17123), (807, 17153), (816, 17186), (826, 17219), (839, 17279), (843, 17306), (863, 17405), (864, 17411), (880, 17501), (883, 17522), (890, 17561), (900, 17609),

Gene: Atkinbua_25 Start: 16303, Stop: 18771, Start Num: 106

Candidate Starts for Atkinbua_25:

(Start: 106 @16303 has 199 MA's), (112, 16318), (141, 16402), (143, 16408), (Start: 151 @16432 has 22 MA's), (160, 16453), (174, 16474), (186, 16504), (236, 16528), (255, 16594), (308, 16792), (314, 16825), (332, 16891), (381, 17146), (385, 17167), (390, 17194), (467, 17353), (542, 17482), (552, 17503), (559, 17518), (569, 17539), (571, 17542), (606, 17611), (616, 17647), (630, 17680), (639, 17716), (655, 17746), (666, 17782), (693, 17848), (700, 17869), (734, 18010), (769, 18151), (778, 18172), (822, 18307), (852, 18484), (872, 18595), (882, 18661), (885, 18682), (892, 18721),

Gene: AugsMagnumOpus_29 Start: 15971, Stop: 18997, Start Num: 40

Candidate Starts for AugsMagnumOpus_29:

(31, 15917), (Start: 40 @15971 has 81 MA's), (56, 16085), (66, 16151), (67, 16154), (73, 16163), (84, 16199), (94, 16250), (118, 16322), (139, 16394), (183, 16514), (185, 16517), (207, 16586), (219, 16631), (251, 16724), (257, 16733), (263, 16751), (272, 16778), (288, 16841), (292, 16853), (301, 16886), (305, 16904), (318, 16970), (320, 16973), (322, 16979), (327, 16994), (330, 17003), (332, 17015), (334, 17024), (351, 17117), (375, 17234), (376, 17237), (383, 17264), (385, 17276), (397, 17330), (402, 17351), (419, 17417), (429, 17444), (472, 17549), (484, 17597), (499, 17642), (512, 17690), (522, 17732), (526, 17741), (540, 17771), (541, 17774), (548, 17786), (573, 17843), (577, 17849), (595, 17870), (596, 17873), (642, 18011), (648, 18023), (673, 18083), (700, 18143), (712, 18173), (713, 18176), (715, 18185), (734, 18278), (750, 18368), (771, 18434), (775, 18446), (797, 18488), (811, 18551), (832, 18608), (841, 18677), (848, 18713), (864, 18794), (889, 18929),

Gene: AvatarAhPeg_26 Start: 16164, Stop: 18764, Start Num: 104

Candidate Starts for AvatarAhPeg_26:

(Start: 104 @16164 has 113 MA's), (Start: 172 @16347 has 1 MA's), (222, 16506), (239, 16554), (284, 16716), (289, 16734), (308, 16806), (334, 16914), (349, 16998), (412, 17247), (460, 17334), (474, 17358), (489, 17403), (530, 17514), (532, 17520), (605, 17652), (614, 17688), (622, 17709), (633, 17736), (655, 17793), (683, 17853), (719, 17967), (750, 18132), (757, 18150), (777, 18219), (803, 18276), (845, 18465), (857, 18531), (860, 18540), (872, 18600), (874, 18609), (880, 18645), (883, 18663), (889, 18696), (896, 18744),

Gene: Avle17_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Avle17_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (530, 17235), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: B1_23 Start: 15174, Stop: 18218, Start Num: 39

Candidate Starts for B1_23:

(Start: 39 @15174 has 32 MA's), (64, 15348), (67, 15360), (139, 15603), (183, 15723), (185, 15726), (254, 15948), (272, 15993), (292, 16068), (301, 16101), (305, 16119), (308, 16131), (325, 16197), (332, 16230), (334, 16239), (341, 16281), (351, 16332), (375, 16449), (385, 16491), (397, 16545), (402, 16566), (416, 16623), (419, 16632), (470, 16758), (472, 16764), (479, 16791), (499, 16857), (503, 16872), (511, 16902), (512, 16905), (526, 16956), (530, 16968), (541, 16989), (548, 17001), (558, 17022), (573, 17058), (595, 17085), (607, 17118), (610, 17130), (624, 17172), (648, 17238), (673, 17298), (692, 17337), (712, 17388), (713, 17391), (715, 17400), (719, 17424), (734, 17493), (738, 17514), (750, 17583), (757, 17601), (771, 17649), (775, 17661), (797, 17703), (800, 17715), (810, 17763), (848, 17934), (860, 17994), (864, 18015), (889, 18150), (891, 18162), (896, 18198),

Gene: BABullseye_29 Start: 16728, Stop: 18932, Start Num: 124

Candidate Starts for BABullseye_29:

(65, 16569), (98, 16683), (Start: 124 @16728 has 42 MA's), (166, 16839), (168, 16845), (206, 16953), (217, 16995), (239, 17061), (267, 17154), (276, 17181), (308, 17304), (314, 17337), (336, 17427), (349, 17496), (404, 17739), (495, 17877), (599, 17997), (701, 18150), (734, 18213), (743, 18255), (770, 18354), (776, 18375), (783, 18396), (792, 18417), (806, 18468), (808, 18480), (813, 18495), (835, 18576), (847, 18654),

Gene: BK1_22 Start: 15930, Stop: 18401, Start Num: 106

Candidate Starts for BK1_22:

(Start: 106 @15930 has 199 MA's), (119, 15969), (141, 16032), (Start: 151 @16062 has 22 MA's), (160, 16083), (174, 16104), (178, 16116), (186, 16134), (236, 16158), (255, 16224), (264, 16251), (308, 16422), (314, 16455), (332, 16521), (381, 16776), (385, 16797), (390, 16824), (402, 16863), (467, 16983), (490, 17019), (542, 17112), (552, 17133), (583, 17190), (630, 17310), (639, 17346), (655, 17376), (666, 17412), (693, 17478), (700, 17499), (715, 17541), (734, 17640), (769, 17781), (778, 17802), (839, 18033), (852, 18114), (872, 18225), (885, 18312), (892, 18351), (894, 18366),

Gene: BPBiabs31_25 Start: 16611, Stop: 19082, Start Num: 106

Candidate Starts for BPBiabs31_25:

(Start: 106 @16611 has 199 MA's), (119, 16650), (141, 16713), (Start: 151 @16743 has 22 MA's), (160, 16764), (174, 16785), (178, 16797), (186, 16815), (255, 16905), (308, 17103), (314, 17136), (332, 17202), (381, 17457), (385, 17478), (390, 17505), (467, 17664), (490, 17700), (542, 17793), (552, 17814), (583, 17871), (630, 17991), (639, 18027), (655, 18057), (666, 18093), (693, 18159), (700, 18180), (734, 18321), (769, 18462), (778, 18483), (822, 18618), (852, 18795), (872, 18906), (882, 18972), (885, 18993), (892, 19032), (894, 19047),

Gene: Baby16_25 Start: 15894, Stop: 18494, Start Num: 104

Candidate Starts for Baby16_25:

(Start: 104 @15894 has 113 MA's), (Start: 151 @16035 has 22 MA's), (Start: 162 @16053 has 10 MA's), (233, 16260), (245, 16299), (251, 16329), (284, 16446), (292, 16473), (308, 16536), (322, 16599), (334, 16644), (341, 16686), (357, 16770), (446, 17037), (474, 17088), (489, 17133), (519, 17211), (532, 17250), (545, 17271), (614, 17418), (622, 17439), (632, 17463), (655, 17523), (657, 17529), (659, 17532), (683, 17583), (700, 17631), (719, 17697), (750, 17862), (757, 17880), (803, 18006), (856, 18258), (857, 18261), (860, 18270), (872, 18330), (889, 18426), (896, 18474),

Gene: BabyBack_28 Start: 18230, Stop: 20749, Start Num: 103

Candidate Starts for BabyBack_28:

(Start: 103 @18230 has 89 MA's), (141, 18341), (170, 18410), (173, 18419), (195, 18461), (249, 18584), (251, 18593), (257, 18602), (269, 18638), (272, 18647), (274, 18656), (305, 18773), (316, 18830), (320, 18842), (322, 18848), (327, 18863), (332, 18884), (334, 18893), (375, 19103), (383, 19133), (385, 19145), (397, 19199), (402, 19220), (416, 19277), (419, 19286), (499, 19511), (503, 19526), (508, 19553), (526, 19610), (531, 19625), (540, 19640), (548, 19655), (556, 19670), (558, 19676), (567, 19697), (596, 19742), (609, 19781), (615, 19808), (642, 19880), (673, 19952), (686, 19979), (699, 20009), (700, 20012), (712, 20042), (725, 20099), (730, 20135), (745, 20204), (799, 20303), (802, 20312), (806, 20321), (842, 20432), (855, 20519), (862, 20546), (863, 20549), (896, 20726),

Gene: BabyJohn_24 Start: 15764, Stop: 18802, Start Num: 39

Candidate Starts for BabyJohn_24:

(Start: 39 @15764 has 32 MA's), (64, 15938), (78, 15983), (139, 16193), (185, 16316), (251, 16523), (272, 16577), (292, 16652), (301, 16685), (305, 16703), (308, 16715), (325, 16781), (330, 16802), (332, 16814), (334, 16823), (341, 16865), (351, 16916), (375, 17033), (376, 17036), (385, 17075), (397, 17129), (402, 17150), (419, 17216), (429, 17243), (472, 17348), (484, 17396), (499, 17441), (503, 17456), (512, 17489), (522, 17531), (526, 17540), (540, 17570), (548, 17585), (558, 17606), (573, 17642), (595, 17669), (596, 17672), (604, 17693), (609, 17711), (624, 17756), (637, 17798), (638, 17801), (673, 17882), (692, 17921), (712, 17972), (713, 17975), (715, 17984), (719, 18008), (734, 18077), (738, 18098), (750, 18167), (757, 18185), (771, 18233), (775, 18245), (791, 18275), (797, 18287), (800, 18299), (810, 18347), (848, 18518), (860, 18578), (864, 18599), (882, 18695), (889, 18734), (896, 18782),

Gene: BabyRay_25 Start: 15740, Stop: 18778, Start Num: 39

Candidate Starts for BabyRay_25:

(Start: 39 @15740 has 32 MA's), (64, 15914), (67, 15926), (139, 16169), (157, 16214), (185, 16292), (251, 16499), (272, 16553), (288, 16616), (292, 16628), (301, 16661), (308, 16691), (314, 16724), (325, 16757), (332, 16790), (334, 16799), (351, 16892), (375, 17009), (377, 17021), (385, 17051), (397, 17105), (402, 17126), (419, 17192), (472, 17324), (475, 17333), (484, 17372), (499, 17417), (503, 17432), (522, 17507), (526, 17516), (540, 17546), (548, 17561), (549, 17564), (558, 17582), (567, 17603), (568, 17606), (577, 17624), (595, 17645), (596, 17648), (624, 17732), (638, 17777), (648, 17798), (673, 17858), (699, 17915), (700, 17918), (712, 17948), (713, 17951), (715, 17960), (734, 18053), (738, 18074), (750, 18143), (757, 18161), (771, 18209), (775, 18221), (797, 18263), (800, 18275), (810, 18323), (848, 18494), (860, 18554), (862, 18566), (863, 18569), (864, 18575), (889, 18710), (891, 18722), (896, 18758),

Gene: Bachome_26 Start: 17172, Stop: 19700, Start Num: 120

Candidate Starts for Bachome_26:

(Start: 113 @17154 has 22 MA's), (Start: 120 @17172 has 2 MA's), (186, 17346), (194, 17355), (217, 17430), (245, 17484), (260, 17538), (264, 17553), (265, 17556), (272, 17574), (288, 17637), (292, 17649), (308, 17712), (322, 17775), (327, 17790), (330, 17799), (334, 17820), (338, 17844), (341, 17859), (359, 17946), (361, 17949), (366, 17964), (370, 17985), (372, 17997), (381, 18063), (389, 18105), (395, 18126), (396, 18135), (404, 18159), (436, 18240), (439, 18249), (443, 18261), (466, 18303), (497, 18360), (515, 18414), (560, 18522), (575, 18561), (628, 18702), (674, 18798), (681, 18819), (694, 18852), (711, 18885), (713, 18888), (733, 18972), (743, 19017), (744, 19020), (772, 19134), (783, 19167), (806, 19239), (816, 19275), (835, 19347), (847, 19425), (857, 19479), (863, 19503), (886, 19614),

Gene: Backyardigan_25 Start: 15891, Stop: 18491, Start Num: 104

Candidate Starts for Backyardigan_25:

(Start: 104 @15891 has 113 MA's), (239, 16281), (276, 16410), (284, 16443), (292, 16470), (308, 16533), (334, 16641), (362, 16776), (412, 16974), (460, 17061), (474, 17085), (489, 17130), (530, 17241), (532, 17247), (614, 17415), (633, 17463), (655, 17520), (683, 17580), (700, 17628), (713, 17661), (719, 17694), (722, 17712), (750, 17859), (757, 17877), (803, 18003), (831, 18093), (845, 18192), (857, 18258), (860, 18267), (872, 18327), (874, 18336), (880, 18372), (883, 18390), (889, 18423), (896, 18471),

Gene: BaconJack_26 Start: 16685, Stop: 19084, Start Num: 106

Candidate Starts for BaconJack_26:

(Start: 106 @16685 has 199 MA's), (119, 16724), (141, 16787), (Start: 151 @16817 has 22 MA's), (160, 16838), (174, 16859), (186, 16889), (236, 16913), (255, 16979), (308, 17177), (314, 17210), (332, 17276), (381, 17531), (385, 17552), (390, 17579), (467, 17738), (490, 17774), (542, 17867), (616, 18020), (625, 18032), (629, 18047), (679, 18164), (703, 18209), (709, 18230), (710, 18233), (750, 18398), (769, 18464), (789, 18506), (839, 18716), (852, 18797), (872, 18908), (882, 18974), (885, 18995), (892, 19034), (896, 19064),

Gene: Bactobuster_27 Start: 18366, Stop: 20744, Start Num: 142

Candidate Starts for Bactobuster_27:

(Start: 135 @18348 has 6 MA's), (Start: 142 @18366 has 5 MA's), (153, 18399), (155, 18405), (195, 18501), (207, 18543), (267, 18699), (270, 18711), (271, 18714), (277, 18744), (278, 18753), (289, 18789), (292, 18798), (308, 18861), (314, 18894), (327, 18939), (332, 18960), (334, 18969), (353, 19074), (384, 19215), (457, 19383), (463, 19395), (490, 19461), (493, 19467), (508, 19518), (554, 19629), (565, 19647), (630, 19803), (648, 19857), (663, 19893), (676, 19944), (699, 20004), (712, 20037), (715, 20049), (720, 20082), (721, 20085), (746, 20223), (749, 20235), (782, 20277), (799, 20313), (803, 20325), (807, 20331), (863, 20541),

Gene: Badger_25 Start: 15880, Stop: 18480, Start Num: 104

Candidate Starts for Badger_25:

(Start: 104 @15880 has 113 MA's), (239, 16270), (276, 16399), (284, 16432), (292, 16459), (308, 16522), (334, 16630), (362, 16765), (460, 17050), (474, 17074), (489, 17119), (530, 17230), (532, 17236), (614, 17404), (633, 17452), (655, 17509), (683, 17569), (700, 17617), (713, 17650), (719, 17683), (722, 17701), (750, 17848), (757, 17866), (803, 17992), (831, 18082), (845, 18181), (857, 18247), (860, 18256), (872, 18316), (874, 18325), (880, 18361), (883, 18379), (889, 18412), (896, 18460),

Gene: Baehexic_27 Start: 17134, Stop: 19641, Start Num: 103

Candidate Starts for Baehexic_27:

(Start: 103 @17134 has 89 MA's), (141, 17245), (165, 17302), (249, 17488), (272, 17551), (279, 17584), (281, 17590), (327, 17770), (330, 17779), (334, 17800), (337, 17821), (338, 17824), (341, 17842), (352, 17902), (375, 18010), (385, 18052), (397, 18106), (402, 18127), (418, 18190), (419, 18193), (426, 18211), (433, 18232), (499, 18418), (503, 18433), (508, 18460), (526, 18517), (531, 18532), (534, 18538), (540, 18547), (542, 18553), (558, 18583), (567, 18604), (596, 18649), (597, 18655), (609, 18688), (615, 18715), (642, 18787), (648, 18799), (673, 18859), (686, 18886), (712, 18949), (720, 18994), (725, 19006), (730, 19042), (739, 19078), (745, 19111), (782, 19174), (797, 19198), (843, 19342), (863, 19441), (879, 19528), (899, 19627),

Gene: BangNhom_25 Start: 16196, Stop: 18796, Start Num: 104

Candidate Starts for BangNhom_25:

(Start: 104 @16196 has 113 MA's), (Start: 151 @16337 has 22 MA's), (Start: 162 @16355 has 10 MA's), (214, 16511), (233, 16562), (251, 16631), (284, 16748), (292, 16775), (308, 16838), (322, 16901), (334, 16946), (341, 16988), (357, 17072), (412, 17279), (446, 17339), (474, 17390), (489, 17435), (519, 17513), (530, 17546), (532, 17552), (614, 17720), (622, 17741), (632, 17765), (655, 17825), (657, 17831), (659, 17834), (683, 17885), (700, 17933), (719, 17999), (750, 18164), (757,

18182), (803, 18308), (856, 18560), (857, 18563), (860, 18572), (871, 18629), (872, 18632), (880, 18677), (889, 18728), (896, 18776),

Gene: Barriga_24 Start: 16199, Stop: 18670, Start Num: 106

Candidate Starts for Barriga_24:

(Start: 106 @16199 has 199 MA's), (119, 16238), (141, 16301), (Start: 151 @16331 has 22 MA's), (160, 16352), (174, 16373), (186, 16403), (236, 16427), (255, 16493), (308, 16691), (314, 16724), (332, 16790), (381, 17045), (385, 17066), (390, 17093), (467, 17252), (490, 17288), (542, 17381), (552, 17402), (559, 17417), (569, 17438), (571, 17441), (606, 17510), (616, 17546), (630, 17579), (639, 17615), (655, 17645), (666, 17681), (693, 17747), (700, 17768), (734, 17909), (769, 18050), (778, 18071), (822, 18206), (852, 18383), (872, 18494), (885, 18581), (892, 18620), (894, 18635),

Gene: Bartimeaus_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Bartimeaus_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (655, 17514), (657, 17520), (659, 17523), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Battleship_29 Start: 15870, Stop: 18224, Start Num: 117

Candidate Starts for Battleship_29:

(Start: 115 @15861 has 1 MA's), (Start: 117 @15870 has 4 MA's), (Start: 182 @16038 has 15 MA's), (262, 16278), (263, 16284), (283, 16353), (299, 16410), (334, 16554), (341, 16596), (350, 16644), (351, 16647), (374, 16758), (377, 16776), (404, 16881), (417, 16929), (486, 17034), (515, 17094), (546, 17148), (564, 17184), (582, 17208), (591, 17217), (617, 17280), (627, 17301), (632, 17316), (639, 17340), (646, 17352), (677, 17406), (690, 17427), (701, 17457), (754, 17628), (760, 17649), (792, 17733), (864, 18036), (889, 18159), (891, 18171),

Gene: Beatrix_23 Start: 17117, Stop: 19777, Start Num: 106

Candidate Starts for Beatrix_23:

(Start: 106 @17117 has 199 MA's), (119, 17156), (141, 17219), (Start: 151 @17249 has 22 MA's), (174, 17291), (308, 17600), (322, 17663), (334, 17708), (339, 17732), (353, 17807), (356, 17819), (440, 18140), (555, 18470), (576, 18521), (586, 18548), (655, 18752), (695, 18866), (700, 18875), (708, 18896), (715, 18917), (734, 19016), (743, 19058), (744, 19061), (784, 19190), (810, 19274), (823, 19319), (872, 19601), (885, 19688), (892, 19727),

Gene: Beauxregard13_27 Start: 15979, Stop: 19005, Start Num: 40

Candidate Starts for Beauxregard13_27:

(31, 15925), (Start: 40 @15979 has 81 MA's), (56, 16093), (66, 16159), (67, 16162), (73, 16171), (84, 16207), (94, 16258), (118, 16330), (139, 16402), (183, 16522), (185, 16525), (207, 16594), (219, 16639), (251, 16732), (257, 16741), (263, 16759), (272, 16786), (288, 16849), (292, 16861), (301, 16894), (305, 16912), (318, 16978), (320, 16981), (322, 16987), (327, 17002), (330, 17011), (332, 17023), (334, 17032), (347, 17110), (351, 17125), (375, 17242), (376, 17245), (383, 17272), (385, 17284), (397, 17338), (402, 17359), (419, 17425), (433, 17464), (472, 17557), (484, 17605), (499, 17650), (512, 17698), (522, 17740), (526, 17749), (540, 17779), (541, 17782), (548, 17794), (573, 17851), (577, 17857), (595, 17878), (596, 17881), (642, 18019), (648, 18031), (673, 18091), (699, 18148), (734, 18286), (738, 18307), (742, 18331), (750, 18376), (757, 18394), (771, 18442), (775, 18454), (797, 18496), (811, 18559), (832, 18616), (841, 18685), (848, 18721), (864, 18802), (889, 18937),

Gene: Beemo_27 Start: 17624, Stop: 20533, Start Num: 54

Candidate Starts for Beemo_27:

(Start: 54 @17624 has 33 MA's), (56, 17636), (66, 17696), (110, 17855), (127, 17918), (148, 17981), (164, 18023), (185, 18080), (199, 18119), (253, 18290), (257, 18296), (262, 18311), (287, 18401), (288, 18404), (292, 18416), (304, 18458), (314, 18512), (334, 18587), (337, 18608), (338, 18611), (341, 18629), (353, 18692), (371, 18758), (375, 18797), (382, 18824), (385, 18839), (391, 18869), (397, 18893), (400, 18905), (402, 18914), (419, 18980), (433, 19019), (455, 19085), (472, 19112), (479, 19139), (511, 19250), (534, 19325), (558, 19370), (567, 19391), (577, 19412), (578, 19415), (595, 19433), (596, 19436), (606, 19463), (613, 19490), (633, 19544), (712, 19736), (716, 19751), (720, 19781), (731, 19832), (749, 19919), (751, 19928), (766, 19979), (797, 20042), (803, 20063), (810, 20099), (826, 20135), (827, 20141), (841, 20219), (846, 20246), (857, 20306), (872, 20375), (876, 20405), (882, 20432), (891, 20471), (897, 20513),

Gene: BeesKnees_25 Start: 16392, Stop: 18869, Start Num: 107

Candidate Starts for BeesKnees_25:

(Start: 107 @16392 has 8 MA's), (112, 16407), (Start: 151 @16521 has 22 MA's), (174, 16563), (278, 16770), (284, 16788), (308, 16878), (322, 16941), (330, 16965), (332, 16977), (341, 17028), (451, 17412), (518, 17514), (529, 17553), (549, 17580), (559, 17604), (619, 17733), (655, 17832), (693, 17934), (700, 17955), (715, 17997), (734, 18096), (746, 18159), (772, 18249), (814, 18378), (823, 18411), (852, 18582), (872, 18693), (882, 18759), (885, 18780), (892, 18819), (896, 18849),

Gene: BellusTerra_25 Start: 15882, Stop: 18482, Start Num: 104

Candidate Starts for BellusTerra_25:

(Start: 104 @15882 has 113 MA's), (Start: 151 @16023 has 22 MA's), (Start: 162 @16041 has 10 MA's), (233, 16248), (245, 16287), (251, 16317), (284, 16434), (292, 16461), (308, 16524), (322, 16587), (334, 16632), (341, 16674), (357, 16758), (446, 17025), (474, 17076), (489, 17121), (519, 17199), (530, 17232), (532, 17238), (614, 17406), (622, 17427), (632, 17451), (655, 17511), (657, 17517), (659, 17520), (683, 17571), (700, 17619), (719, 17685), (750, 17850), (757, 17868), (803, 17994), (856, 18246), (857, 18249), (860, 18258), (872, 18318), (889, 18414), (896, 18462),

Gene: Benedict_22 Start: 15091, Stop: 17904, Start Num: 2

Candidate Starts for Benedict_22:

(Start: 2 @15091 has 8 MA's), (10, 15280), (84, 15628), (122, 15763), (123, 15769), (202, 15862), (222, 15913), (239, 15949), (266, 16039), (282, 16105), (288, 16126), (308, 16201), (314, 16234), (330, 16288), (335, 16321), (336, 16324), (338, 16333), (357, 16432), (363, 16441), (368, 16465), (389, 16594), (418, 16708), (448, 16759), (496, 16825), (568, 16918), (590, 16951), (645, 17038), (672, 17071), (683, 17083), (706, 17113), (734, 17176), (743, 17218), (760, 17290), (761, 17293), (770, 17317), (773, 17332), (783, 17359), (792, 17380), (816, 17467), (825, 17497), (826, 17500), (839, 17560), (856, 17659), (860, 17671), (862, 17683), (864, 17692), (889, 17839),

Gene: BengiVuitton_27 Start: 17042, Stop: 19579, Start Num: 103

Candidate Starts for BengiVuitton_27:

(Start: 103 @17042 has 89 MA's), (170, 17222), (171, 17225), (195, 17273), (242, 17393), (249, 17414), (251, 17423), (261, 17444), (272, 17477), (279, 17510), (292, 17552), (305, 17603), (309, 17624), (314, 17648), (315, 17651), (318, 17669), (330, 17702), (332, 17714), (334, 17723), (337, 17744), (338, 17747), (354, 17834), (375, 17933), (385, 17975), (386, 17984), (388, 17993), (402, 18050), (419, 18116), (433, 18155), (534, 18461), (540, 18470), (542, 18476), (548, 18485), (558, 18506), (568, 18530), (578, 18551), (596, 18572), (597, 18578), (609, 18611), (612, 18623), (648, 18722), (673, 18782), (686, 18809), (712, 18872), (720, 18917), (725, 18929), (802, 19145), (806, 19154), (842, 19265), (847, 19295), (863, 19379),

Gene: Benvolio_26 Start: 16721, Stop: 19258, Start Num: 103

Candidate Starts for Benvolio_26:

(Start: 103 @16721 has 89 MA's), (170, 16901), (Start: 182 @16934 has 15 MA's), (240, 17066), (242, 17072), (249, 17093), (251, 17102), (279, 17189), (292, 17231), (305, 17282), (313, 17318), (315, 17330), (318, 17348), (330, 17381), (332, 17393), (333, 17396), (334, 17402), (337, 17423), (338, 17426), (375, 17612), (385, 17654), (386, 17663), (388, 17672), (402, 17729), (419, 17795), (433, 17834), (486, 17987), (534, 18140), (540, 18149), (542, 18155), (548, 18164), (558, 18185), (568, 18209), (578, 18230), (596, 18251), (609, 18290), (612, 18302), (648, 18401), (673, 18461), (686, 18488), (712, 18551), (720, 18596), (730, 18644), (802, 18824), (806, 18833), (842, 18944), (847, 18974), (863, 19058),

Gene: Bethlehem_24 Start: 17626, Stop: 20097, Start Num: 106

Candidate Starts for Bethlehem_24:

(Start: 106 @17626 has 199 MA's), (119, 17665), (141, 17728), (Start: 151 @17758 has 22 MA's), (160, 17779), (174, 17800), (186, 17830), (236, 17854), (255, 17920), (308, 18118), (314, 18151), (332, 18217), (381, 18472), (385, 18493), (390, 18520), (467, 18679), (490, 18715), (542, 18808), (552, 18829), (583, 18886), (630, 19006), (639, 19042), (655, 19072), (666, 19108), (693, 19174), (700, 19195), (715, 19237), (734, 19336), (769, 19477), (778, 19498), (822, 19633), (852, 19810), (872, 19921), (882, 19987), (885, 20008), (892, 20047), (894, 20062),

Gene: Bexan_23 Start: 17348, Stop: 19819, Start Num: 106

Candidate Starts for Bexan_23:

(Start: 106 @17348 has 199 MA's), (119, 17387), (141, 17450), (Start: 151 @17480 has 22 MA's), (160, 17501), (174, 17522), (178, 17534), (186, 17552), (236, 17576), (243, 17597), (255, 17642), (308, 17840), (314, 17873), (332, 17939), (381, 18194), (385, 18215), (390, 18242), (467, 18401), (490, 18437), (542, 18530), (552, 18551), (583, 18608), (630, 18728), (639, 18764), (655, 18794), (666, 18830), (693, 18896), (700, 18917), (734, 19058), (769, 19199), (778, 19220), (822, 19355), (852, 19532), (872, 19643), (885, 19730), (892, 19769), (896, 19799),

Gene: BiancaTri92_28 Start: 18408, Stop: 20945, Start Num: 103

Candidate Starts for BiancaTri92_28:

(Start: 103 @18408 has 89 MA's), (170, 18588), (171, 18591), (195, 18639), (242, 18759), (249, 18780), (251, 18789), (261, 18810), (272, 18843), (279, 18876), (292, 18918), (304, 18960), (305, 18969), (315, 19017), (318, 19035), (330, 19068), (332, 19080), (334, 19089), (335, 19101), (337, 19110), (375, 19299), (382, 19326), (385, 19341), (397, 19395), (402, 19416), (419, 19482), (433, 19521), (470, 19608), (534, 19827), (542, 19842), (558, 19872), (567, 19893), (568, 19896), (573, 19908), (595, 19935), (609, 19977), (615, 20004), (633, 20046), (642, 20076), (648, 20088), (673, 20148), (686, 20175), (712, 20238), (720, 20283), (725, 20295), (756, 20433), (799, 20502), (802, 20511), (806, 20520), (842, 20631), (847, 20661), (855, 20715), (863, 20745),

Gene: Big3_24 Start: 16979, Stop: 19450, Start Num: 106

Candidate Starts for Big3_24:

(Start: 106 @16979 has 199 MA's), (119, 17018), (141, 17081), (Start: 151 @17111 has 22 MA's), (160, 17132), (174, 17153), (186, 17183), (236, 17207), (255, 17273), (308, 17471), (314, 17504), (332, 17570), (381, 17825), (385, 17846), (390, 17873), (467, 18032), (490, 18068), (542, 18161), (552, 18182), (559, 18197), (569, 18218), (571, 18221), (606, 18290), (616, 18326), (630, 18359), (639, 18395), (655, 18425), (666, 18461), (693, 18527), (700, 18548), (734, 18689), (769, 18830), (778, 18851), (822, 18986), (852, 19163), (872, 19274), (885, 19361), (892, 19400), (894, 19415),

Gene: BigMau_26 Start: 16571, Stop: 19051, Start Num: 106

Candidate Starts for BigMau_26:

(Start: 106 @16571 has 199 MA's), (119, 16610), (141, 16673), (Start: 151 @16703 has 22 MA's), (174, 16745), (278, 16952), (284, 16970), (308, 17060), (322, 17123), (330, 17147), (332, 17159), (341, 17210), (451, 17594), (518, 17696), (529, 17735), (542, 17750), (549, 17762), (559, 17786), (619, 17915), (655, 18014), (693, 18116), (700, 18137), (715, 18179), (734, 18278), (746, 18341),

(772, 18431), (814, 18560), (823, 18593), (872, 18875), (882, 18941), (885, 18962), (892, 19001), (894, 19016),

Gene: BigPaolini_25 Start: 16999, Stop: 19470, Start Num: 106

Candidate Starts for BigPaolini_25:

(Start: 106 @16999 has 199 MA's), (119, 17038), (141, 17101), (Start: 151 @17131 has 22 MA's), (160, 17152), (174, 17173), (178, 17185), (186, 17203), (255, 17293), (308, 17491), (314, 17524), (332, 17590), (381, 17845), (385, 17866), (390, 17893), (467, 18052), (490, 18088), (542, 18181), (552, 18202), (559, 18217), (569, 18238), (571, 18241), (606, 18310), (616, 18346), (630, 18379), (639, 18415), (655, 18445), (666, 18481), (693, 18547), (700, 18568), (734, 18709), (769, 18850), (778, 18871), (822, 19006), (852, 19183), (872, 19294), (885, 19381), (892, 19420), (894, 19435),

Gene: Bigfoot_23 Start: 16100, Stop: 18679, Start Num: 106

Candidate Starts for Bigfoot_23:

(Start: 106 @16100 has 199 MA's), (119, 16139), (141, 16202), (Start: 151 @16232 has 22 MA's), (270, 16451), (279, 16487), (322, 16655), (334, 16700), (338, 16724), (341, 16742), (410, 17054), (477, 17210), (513, 17312), (525, 17345), (562, 17417), (583, 17456), (619, 17543), (655, 17642), (693, 17744), (700, 17765), (705, 17777), (715, 17807), (734, 17906), (746, 17969), (772, 18059), (814, 18188), (823, 18221), (872, 18503), (885, 18590), (892, 18629), (896, 18659),

Gene: BillKnuckles_25 Start: 17064, Stop: 19535, Start Num: 106

Candidate Starts for BillKnuckles_25:

(Start: 106 @17064 has 199 MA's), (119, 17103), (141, 17166), (Start: 151 @17196 has 22 MA's), (160, 17217), (174, 17238), (178, 17250), (186, 17268), (243, 17313), (255, 17358), (308, 17556), (314, 17589), (332, 17655), (381, 17910), (385, 17931), (390, 17958), (467, 18117), (490, 18153), (542, 18246), (552, 18267), (583, 18324), (630, 18444), (639, 18480), (655, 18510), (666, 18546), (693, 18612), (700, 18633), (734, 18774), (769, 18915), (778, 18936), (822, 19071), (852, 19248), (872, 19359), (882, 19425), (885, 19446), (892, 19485), (894, 19500),

Gene: Bircsak_24 Start: 16849, Stop: 19329, Start Num: 106

Candidate Starts for Bircsak_24:

(Start: 106 @16849 has 199 MA's), (119, 16888), (141, 16951), (Start: 151 @16981 has 22 MA's), (174, 17023), (278, 17230), (284, 17248), (308, 17338), (322, 17401), (330, 17425), (332, 17437), (341, 17488), (451, 17872), (518, 17974), (529, 18013), (542, 18028), (549, 18040), (559, 18064), (655, 18292), (693, 18394), (700, 18415), (705, 18427), (715, 18457), (734, 18556), (746, 18619), (814, 18838), (823, 18871), (872, 19153), (885, 19240), (892, 19279), (896, 19309),

Gene: Blackmoor_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Blackmoor_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (655, 17514), (657, 17520), (659, 17523), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Blinn1_29 Start: 16777, Stop: 19005, Start Num: 124

Candidate Starts for Blinn1_29:

(65, 16618), (98, 16732), (Start: 124 @16777 has 42 MA's), (166, 16888), (168, 16894), (217, 17044), (267, 17203), (276, 17230), (307, 17350), (308, 17353), (314, 17386), (336, 17476), (349, 17545), (391, 17743), (404, 17788), (550, 17992), (599, 18046), (682, 18169), (734, 18268), (736, 18277), (741, 18298), (749, 18343), (753, 18355), (813, 18562), (819, 18580), (840, 18682), (842, 18691), (847, 18721),

Gene: BluSpix_24 Start: 16360, Stop: 18831, Start Num: 106

Candidate Starts for BluSpix_24:

(Start: 106 @16360 has 199 MA's), (119, 16399), (141, 16462), (Start: 151 @16492 has 22 MA's), (160, 16513), (174, 16534), (178, 16546), (186, 16564), (255, 16654), (308, 16852), (314, 16885), (332, 16951), (381, 17206), (385, 17227), (390, 17254), (467, 17413), (490, 17449), (542, 17542), (552, 17563), (583, 17620), (630, 17740), (639, 17776), (655, 17806), (666, 17842), (693, 17908), (700, 17929), (734, 18070), (769, 18211), (778, 18232), (822, 18367), (852, 18544), (872, 18655), (882, 18721), (885, 18742), (892, 18781), (896, 18811),

Gene: Blue_24 Start: 16469, Stop: 19303, Start Num: 106

Candidate Starts for Blue_24:

(Start: 106 @16469 has 199 MA's), (128, 16541), (250, 16784), (256, 16799), (271, 16844), (298, 16964), (303, 16982), (310, 17030), (319, 17075), (332, 17120), (333, 17123), (341, 17171), (378, 17354), (385, 17381), (405, 17465), (420, 17522), (428, 17540), (441, 17585), (456, 17621), (479, 17681), (491, 17729), (510, 17792), (512, 17795), (539, 17888), (550, 17912), (565, 17948), (574, 17975), (581, 17987), (585, 18005), (589, 18020), (611, 18083), (653, 18212), (667, 18257), (677, 18290), (683, 18302), (722, 18431), (740, 18527), (758, 18614), (759, 18617), (765, 18635), (821, 18839), (852, 19016), (872, 19127), (885, 19214), (892, 19253), (894, 19268),

Gene: Blue7_29 Start: 16707, Stop: 18923, Start Num: 124

Candidate Starts for Blue7_29:

(98, 16662), (Start: 124 @16707 has 42 MA's), (166, 16818), (217, 16974), (263, 17121), (267, 17133), (307, 17280), (308, 17283), (314, 17316), (336, 17406), (349, 17475), (368, 17550), (404, 17718), (599, 17976), (628, 18021), (701, 18129), (734, 18192), (743, 18234), (770, 18333), (776, 18354), (792, 18396), (806, 18447), (813, 18474), (835, 18555), (847, 18645),

Gene: BlueBird_26 Start: 15495, Stop: 18530, Start Num: 39

Candidate Starts for BlueBird_26:

(Start: 39 @15495 has 32 MA's), (64, 15669), (67, 15681), (78, 15714), (139, 15924), (183, 16044), (185, 16047), (251, 16251), (261, 16272), (270, 16302), (272, 16305), (288, 16368), (292, 16380), (301, 16413), (305, 16431), (320, 16500), (322, 16506), (327, 16521), (330, 16530), (332, 16542), (334, 16551), (351, 16644), (375, 16761), (376, 16764), (382, 16788), (383, 16791), (385, 16803), (397, 16857), (402, 16878), (406, 16899), (419, 16944), (429, 16971), (433, 16983), (484, 17124), (499, 17169), (503, 17184), (522, 17259), (526, 17268), (540, 17298), (548, 17313), (549, 17316), (558, 17334), (567, 17355), (568, 17358), (595, 17397), (596, 17400), (624, 17484), (648, 17550), (657, 17571), (673, 17610), (692, 17649), (700, 17670), (712, 17700), (713, 17703), (715, 17712), (719, 17736), (734, 17805), (738, 17826), (750, 17895), (757, 17913), (771, 17961), (775, 17973), (797, 18015), (800, 18027), (810, 18075), (848, 18246), (852, 18276), (860, 18306), (864, 18327), (889, 18462), (896, 18510),

Gene: Bluefalcon_21 Start: 15319, Stop: 18660, Start Num: 1

Candidate Starts for Bluefalcon_21:

(Start: 1 @15319 has 30 MA's), (37, 15757), (122, 16069), (144, 16147), (154, 16177), (175, 16234), (220, 16381), (222, 16387), (226, 16393), (263, 16519), (267, 16531), (308, 16681), (315, 16717), (322, 16747), (327, 16762), (334, 16792), (335, 16804), (340, 16828), (353, 16897), (371, 16963), (404, 17119), (423, 17188), (425, 17191), (438, 17218), (447, 17242), (512, 17380), (524, 17401), (549, 17446), (570, 17488), (650, 17680), (669, 17710), (677, 17734), (683, 17746), (693, 17767), (706, 17809), (726, 17896), (734, 17932), (739, 17953), (743, 17974), (762, 18052), (770, 18073), (776, 18094), (783, 18115), (792, 18136), (799, 18160), (816, 18223), (839, 18316), (842, 18334), (856, 18415), (860, 18427), (862, 18439), (864, 18448), (875, 18502), (888, 18586), (889, 18595),

Gene: Bob3_23 Start: 15911, Stop: 18391, Start Num: 106

Candidate Starts for Bob3_23:

(Start: 106 @15911 has 199 MA's), (119, 15950), (141, 16013), (Start: 151 @16043 has 22 MA's), (174, 16085), (278, 16292), (284, 16310), (308, 16400), (322, 16463), (330, 16487), (332, 16499), (341, 16550), (451, 16934), (518, 17036), (529, 17075), (542, 17090), (549, 17102), (559, 17126), (619, 17255), (655, 17354), (693, 17456), (700, 17477), (715, 17519), (734, 17618), (746, 17681), (772, 17771), (814, 17900), (823, 17933), (872, 18215), (882, 18281), (885, 18302), (892, 18341), (894, 18356),

Gene: BobSwaget_29 Start: 18249, Stop: 20777, Start Num: 103

Candidate Starts for BobSwaget_29:

(Start: 103 @18249 has 89 MA's), (141, 18360), (145, 18372), (170, 18429), (171, 18432), (249, 18621), (272, 18684), (304, 18801), (305, 18810), (309, 18831), (314, 18855), (332, 18921), (334, 18930), (337, 18951), (338, 18954), (375, 19140), (385, 19182), (402, 19257), (419, 19323), (433, 19362), (499, 19548), (526, 19647), (534, 19668), (558, 19713), (595, 19776), (609, 19818), (615, 19845), (642, 19917), (648, 19929), (684, 20013), (686, 20016), (712, 20079), (720, 20124), (725, 20136), (742, 20220), (756, 20274), (791, 20325), (806, 20358), (826, 20382), (847, 20499), (863, 20577),

Gene: BogosyJay_27 Start: 17339, Stop: 20263, Start Num: 54

Candidate Starts for BogosyJay_27:

(Start: 54 @17339 has 33 MA's), (56, 17351), (61, 17375), (63, 17387), (110, 17576), (127, 17639), (148, 17702), (164, 17744), (185, 17801), (187, 17807), (253, 18017), (257, 18023), (262, 18038), (277, 18089), (287, 18128), (292, 18143), (304, 18185), (305, 18194), (314, 18239), (320, 18263), (334, 18314), (337, 18335), (338, 18338), (341, 18356), (371, 18485), (375, 18524), (382, 18551), (385, 18566), (391, 18596), (397, 18620), (402, 18641), (419, 18707), (433, 18746), (472, 18839), (479, 18866), (499, 18932), (511, 18977), (534, 19052), (558, 19097), (567, 19118), (577, 19139), (578, 19142), (595, 19160), (596, 19163), (606, 19190), (607, 19193), (613, 19217), (634, 19277), (637, 19289), (668, 19355), (712, 19463), (720, 19508), (725, 19520), (730, 19556), (731, 19559), (742, 19604), (748, 19640), (751, 19655), (766, 19706), (797, 19769), (810, 19829), (827, 19871), (841, 19949), (846, 19976), (848, 19985), (857, 20036), (876, 20135), (882, 20162), (891, 20201), (897, 20243),

Gene: Bombshell_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Bombshell_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (530, 17235), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Bonamassa_22 Start: 15244, Stop: 18582, Start Num: 1

Candidate Starts for Bonamassa_22:

(Start: 1 @15244 has 30 MA's), (37, 15682), (122, 15994), (144, 16072), (154, 16102), (175, 16159), (204, 16243), (220, 16306), (222, 16312), (262, 16432), (287, 16522), (288, 16525), (308, 16600), (317, 16645), (322, 16663), (334, 16708), (337, 16729), (376, 16921), (409, 17059), (425, 17107), (459, 17185), (514, 17311), (524, 17323), (533, 17347), (570, 17410), (650, 17602), (669, 17632), (677, 17656), (683, 17668), (706, 17731), (734, 17854), (739, 17875), (743, 17896), (762, 17974), (770, 17995), (783, 18037), (792, 18058), (816, 18145), (825, 18175), (839, 18238), (842, 18256), (856, 18337), (860, 18349), (862, 18361), (864, 18370), (875, 18424), (888, 18508), (893, 18547),

Gene: Bones_24 Start: 16097, Stop: 18757, Start Num: 106

Candidate Starts for Bones_24:

(Start: 106 @16097 has 199 MA's), (119, 16136), (141, 16199), (Start: 151 @16229 has 22 MA's), (174, 16271), (308, 16580), (322, 16643), (334, 16688), (339, 16712), (353, 16787), (356, 16799), (440, 17120), (555, 17450), (576, 17501), (586, 17528), (655, 17732), (695, 17846), (700, 17855), (708, 17876), (715, 17897), (734, 17996), (743, 18038), (744, 18041), (784, 18170), (810, 18254), (823, 18299), (872, 18581), (882, 18647), (885, 18668), (892, 18707), (894, 18722),

Gene: Boohoo_28 Start: 15923, Stop: 18112, Start Num: 182

Candidate Starts for Boohoo_28:

(Start: 115 @15746 has 1 MA's), (Start: 117 @15755 has 4 MA's), (Start: 182 @15923 has 15 MA's), (262, 16166), (263, 16172), (283, 16241), (299, 16298), (334, 16442), (341, 16484), (350, 16532), (351, 16535), (374, 16646), (377, 16664), (404, 16769), (417, 16817), (486, 16922), (515, 16982), (546, 17036), (564, 17072), (582, 17096), (591, 17105), (617, 17168), (627, 17189), (632, 17204), (639, 17228), (646, 17240), (677, 17294), (690, 17315), (701, 17345), (754, 17516), (760, 17537), (792, 17621), (864, 17924), (889, 18047), (891, 18059),

Gene: Bowtie_26 Start: 17163, Stop: 19709, Start Num: 113

Candidate Starts for Bowtie_26:

(Start: 113 @17163 has 22 MA's), (Start: 120 @17181 has 2 MA's), (186, 17355), (194, 17364), (217, 17439), (245, 17493), (260, 17547), (264, 17562), (265, 17565), (272, 17583), (288, 17646), (292, 17658), (308, 17721), (322, 17784), (327, 17799), (330, 17808), (334, 17829), (338, 17853), (341, 17868), (359, 17955), (361, 17958), (366, 17973), (370, 17994), (372, 18006), (381, 18072), (396, 18144), (404, 18168), (436, 18249), (439, 18258), (443, 18270), (466, 18312), (497, 18369), (515, 18423), (560, 18531), (575, 18570), (628, 18711), (674, 18807), (681, 18828), (694, 18861), (711, 18894), (713, 18897), (733, 18981), (743, 19026), (744, 19029), (772, 19143), (783, 19176), (806, 19248), (816, 19284), (835, 19356), (847, 19434), (857, 19488), (863, 19512), (886, 19623),

Gene: Bradman_25 Start: 15528, Stop: 18041, Start Num: 103

Candidate Starts for Bradman_25:

(Start: 103 @15528 has 89 MA's), (141, 15639), (168, 15705), (170, 15708), (171, 15711), (249, 15897), (251, 15906), (257, 15915), (292, 16035), (305, 16086), (316, 16143), (320, 16155), (324, 16161), (327, 16176), (332, 16197), (334, 16206), (343, 16254), (375, 16416), (383, 16446), (385, 16458), (394, 16497), (397, 16512), (402, 16533), (416, 16590), (419, 16599), (429, 16626), (470, 16725), (499, 16824), (503, 16839), (526, 16923), (534, 16944), (558, 16989), (595, 17052), (596, 17055), (612, 17106), (615, 17121), (673, 17265), (686, 17292), (712, 17355), (716, 17370), (720, 17400), (742, 17496), (759, 17562), (802, 17625), (857, 17820), (858, 17823), (863, 17844),

Gene: BreSam8_27 Start: 15972, Stop: 18998, Start Num: 40

Candidate Starts for BreSam8_27:

(31, 15918), (Start: 40 @15972 has 81 MA's), (56, 16086), (66, 16152), (67, 16155), (73, 16164), (84, 16200), (94, 16251), (118, 16323), (139, 16395), (183, 16515), (185, 16518), (207, 16587), (219, 16632), (251, 16725), (257, 16734), (263, 16752), (272, 16779), (288, 16842), (292, 16854), (301, 16887), (305, 16905), (318, 16971), (320, 16974), (322, 16980), (327, 16995), (330, 17004), (332, 17016), (334, 17025), (351, 17118), (375, 17235), (376, 17238), (383, 17265), (385, 17277), (397, 17331), (402, 17352), (419, 17418), (429, 17445), (472, 17550), (484, 17598), (499, 17643), (512, 17691), (522, 17733), (526, 17742), (540, 17772), (541, 17775), (548, 17787), (573, 17844), (577, 17850), (595, 17871), (596, 17874), (642, 18012), (648, 18024), (673, 18084), (700, 18144), (712, 18174), (713, 18177), (715, 18186), (734, 18279), (750, 18369), (771, 18435), (775, 18447), (797, 18489), (811, 18552), (832, 18609), (841, 18678), (848, 18714), (864, 18795), (889, 18930),

Gene: Briton15_26 Start: 16649, Stop: 19126, Start Num: 107

Candidate Starts for Briton15_26:

(Start: 107 @16649 has 8 MA's), (112, 16664), (Start: 151 @16778 has 22 MA's), (174, 16820), (278, 17027), (284, 17045), (308, 17135), (322, 17198), (330, 17222), (332, 17234), (341, 17285), (451,

17669), (518, 17771), (529, 17810), (549, 17837), (559, 17861), (619, 17990), (655, 18089), (693, 18191), (700, 18212), (715, 18254), (734, 18353), (746, 18416), (772, 18506), (814, 18635), (823, 18668), (852, 18839), (872, 18950), (882, 19016), (885, 19037), (892, 19076), (894, 19091),

Gene: Broseidon_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Broseidon_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (655, 17514), (657, 17520), (659, 17523), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Bruiser_24 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Bruiser_24:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (655, 17514), (657, 17520), (659, 17523), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Bruns_23 Start: 16283, Stop: 18754, Start Num: 106

Candidate Starts for Bruns_23:

(Start: 106 @16283 has 199 MA's), (119, 16322), (141, 16385), (Start: 151 @16415 has 22 MA's), (160, 16436), (174, 16457), (178, 16469), (186, 16487), (255, 16577), (308, 16775), (314, 16808), (332, 16874), (381, 17129), (385, 17150), (390, 17177), (467, 17336), (490, 17372), (542, 17465), (552, 17486), (559, 17501), (569, 17522), (571, 17525), (606, 17594), (616, 17630), (630, 17663), (639, 17699), (645, 17708), (655, 17729), (666, 17765), (693, 17831), (700, 17852), (734, 17993), (769, 18134), (778, 18155), (822, 18290), (852, 18467), (872, 18578), (885, 18665), (892, 18704), (894, 18719),

Gene: BubbleTrouble_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for BubbleTrouble_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (597, 17355), (614, 17409), (632, 17454), (655, 17514), (668, 17532), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Bud_26 Start: 17169, Stop: 19715, Start Num: 113

Candidate Starts for Bud_26:

(Start: 113 @17169 has 22 MA's), (Start: 120 @17187 has 2 MA's), (186, 17361), (194, 17370), (217, 17445), (245, 17499), (260, 17553), (264, 17568), (265, 17571), (272, 17589), (288, 17652), (292, 17664), (308, 17727), (322, 17790), (327, 17805), (330, 17814), (334, 17835), (338, 17859), (341, 17874), (359, 17961), (361, 17964), (366, 17979), (370, 18000), (372, 18012), (381, 18078), (395, 18141), (396, 18150), (404, 18174), (436, 18255), (439, 18264), (443, 18276), (466, 18318), (497, 18375), (515, 18429), (560, 18537), (575, 18576), (628, 18717), (674, 18813), (681, 18834), (694, 18867), (711, 18900), (713, 18903), (733, 18987), (743, 19032), (744, 19035), (772, 19149), (783, 19182), (806, 19254), (816, 19290), (835, 19362), (847, 19440), (857, 19494), (863, 19518), (886, 19629),

Gene: Bugatti_25 Start: 15495, Stop: 18530, Start Num: 39

Candidate Starts for Bugatti_25:

(Start: 39 @15495 has 32 MA's), (64, 15669), (67, 15681), (78, 15714), (139, 15924), (183, 16044), (185, 16047), (251, 16251), (261, 16272), (270, 16302), (272, 16305), (288, 16368), (292, 16380), (301, 16413), (305, 16431), (320, 16500), (322, 16506), (327, 16521), (330, 16530), (332, 16542), (334, 16551), (351, 16644), (375, 16761), (376, 16764), (382, 16788), (383, 16791), (385, 16803), (397, 16857), (402, 16878), (406, 16899), (419, 16944), (429, 16971), (433, 16983), (484, 17124), (499, 17169), (503, 17184), (522, 17259), (526, 17268), (540, 17298), (548, 17313), (549, 17316), (558, 17334), (567, 17355), (568, 17358), (595, 17397), (596, 17400), (624, 17484), (648, 17550), (657, 17571), (673, 17610), (692, 17649), (700, 17670), (712, 17700), (713, 17703), (715, 17712), (719, 17736), (734, 17805), (738, 17826), (750, 17895), (757, 17913), (771, 17961), (775, 17973), (797, 18015), (800, 18027), (810, 18075), (848, 18246), (852, 18276), (860, 18306), (864, 18327), (889, 18462), (896, 18510),

Gene: Buggy_28 Start: 17119, Stop: 19662, Start Num: 103

Candidate Starts for Buggy_28:

(Start: 103 @17119 has 89 MA's), (170, 17299), (171, 17302), (240, 17470), (242, 17476), (249, 17497), (251, 17506), (257, 17515), (261, 17527), (275, 17572), (279, 17593), (292, 17635), (305, 17686), (314, 17731), (315, 17734), (318, 17752), (330, 17785), (332, 17797), (334, 17806), (337, 17827), (338, 17830), (354, 17917), (375, 18016), (385, 18058), (386, 18067), (388, 18076), (402, 18133), (419, 18199), (433, 18238), (472, 18331), (481, 18367), (499, 18424), (518, 18490), (526, 18523), (531, 18538), (534, 18544), (540, 18553), (548, 18568), (558, 18589), (567, 18610), (577, 18631), (578, 18634), (595, 18652), (596, 18655), (612, 18706), (633, 18763), (637, 18781), (648, 18805), (673, 18865), (686, 18892), (712, 18955), (720, 19000), (749, 19138), (802, 19228), (806, 19237), (826, 19261), (842, 19348), (847, 19378), (863, 19462),

Gene: Bumblebee11_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Bumblebee11_25:

(Start: 104 @15885 has 113 MA's), (214, 16200), (222, 16227), (239, 16275), (256, 16332), (284, 16437), (288, 16452), (292, 16464), (308, 16527), (334, 16635), (337, 16656), (341, 16677), (474, 17079), (487, 17121), (489, 17124), (530, 17235), (532, 17241), (605, 17373), (614, 17409), (633, 17457), (683, 17574), (719, 17688), (750, 17853), (757, 17871), (798, 17985), (803, 17997), (831, 18087), (844, 18180), (857, 18252), (860, 18261), (872, 18321), (874, 18330), (889, 18417), (896, 18465),

Gene: Burger_24 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Burger_24:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (412, 16968), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (530, 17235), (532, 17241), (582, 17337), (595, 17346), (614, 17409), (622, 17430), (633, 17457), (655, 17514), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Burton_25 Start: 16481, Stop: 18952, Start Num: 106

Candidate Starts for Burton_25:

(Start: 106 @16481 has 199 MA's), (119, 16520), (141, 16583), (Start: 151 @16613 has 22 MA's), (160, 16634), (174, 16655), (178, 16667), (186, 16685), (236, 16709), (255, 16775), (308, 16973), (314, 17006), (332, 17072), (381, 17327), (385, 17348), (390, 17375), (467, 17534), (490, 17570), (542, 17663), (552, 17684), (583, 17741), (630, 17861), (639, 17897), (655, 17927), (666, 17963), (693, 18029), (700, 18050), (734, 18191), (769, 18332), (778, 18353), (822, 18488), (852, 18665), (872, 18776), (882, 18842), (885, 18863), (892, 18902), (894, 18917),

Gene: Buttons_25 Start: 16845, Stop: 19313, Start Num: 106

Candidate Starts for Buttons_25:

(Start: 106 @16845 has 199 MA's), (119, 16884), (141, 16947), (Start: 151 @16977 has 22 MA's), (160, 16998), (174, 17019), (178, 17031), (186, 17049), (255, 17139), (308, 17334), (314, 17367), (332, 17433), (381, 17688), (385, 17709), (390, 17736), (402, 17775), (423, 17832), (440, 17862), (467, 17895), (490, 17931), (542, 18024), (552, 18045), (583, 18102), (630, 18222), (639, 18258), (655, 18288), (666, 18324), (693, 18390), (700, 18411), (715, 18453), (734, 18552), (769, 18693), (778, 18714), (839, 18945), (852, 19026), (872, 19137), (885, 19224), (892, 19263), (894, 19278),

Gene: BuzzBuzz_26 Start: 16063, Stop: 19089, Start Num: 40

Candidate Starts for BuzzBuzz_26:

(31, 16009), (Start: 40 @16063 has 81 MA's), (56, 16177), (66, 16243), (67, 16246), (73, 16255), (84, 16291), (94, 16342), (118, 16414), (139, 16486), (183, 16606), (185, 16609), (207, 16678), (219, 16723), (251, 16816), (257, 16825), (263, 16843), (272, 16870), (288, 16933), (292, 16945), (301, 16978), (305, 16996), (318, 17062), (320, 17065), (322, 17071), (327, 17086), (330, 17095), (332, 17107), (334, 17116), (347, 17194), (351, 17209), (375, 17326), (376, 17329), (383, 17356), (385, 17368), (397, 17422), (402, 17443), (419, 17509), (433, 17548), (472, 17641), (484, 17689), (499, 17734), (512, 17782), (522, 17824), (526, 17833), (540, 17863), (541, 17866), (548, 17878), (573, 17935), (577, 17941), (595, 17962), (596, 17965), (642, 18103), (648, 18115), (673, 18175), (699, 18232), (734, 18370), (738, 18391), (742, 18415), (750, 18460), (757, 18478), (771, 18526), (775, 18538), (797, 18580), (811, 18643), (832, 18700), (841, 18769), (848, 18805), (864, 18886), (889, 19021),

Gene: Bxb1_22 Start: 16432, Stop: 18903, Start Num: 106

Candidate Starts for Bxb1_22:

(Start: 106 @16432 has 199 MA's), (119, 16471), (141, 16534), (Start: 151 @16564 has 22 MA's), (160, 16585), (174, 16606), (178, 16618), (186, 16636), (243, 16681), (255, 16726), (308, 16924), (314, 16957), (332, 17023), (381, 17278), (385, 17299), (390, 17326), (467, 17485), (490, 17521), (542, 17614), (552, 17635), (583, 17692), (630, 17812), (639, 17848), (655, 17878), (666, 17914), (693, 17980), (700, 18001), (734, 18142), (769, 18283), (778, 18304), (822, 18439), (852, 18616), (872, 18727), (882, 18793), (885, 18814), (892, 18853), (894, 18868),

Gene: Bxz2_26 Start: 16073, Stop: 19099, Start Num: 40

Candidate Starts for Bxz2_26:

(31, 16019), (Start: 40 @16073 has 81 MA's), (56, 16187), (66, 16253), (67, 16256), (73, 16265), (84, 16301), (94, 16352), (118, 16424), (139, 16496), (183, 16616), (185, 16619), (207, 16688), (219, 16733), (251, 16826), (257, 16835), (263, 16853), (272, 16880), (288, 16943), (292, 16955), (301, 16988), (305, 17006), (318, 17072), (320, 17075), (322, 17081), (327, 17096), (330, 17105), (332, 17117), (334, 17126), (347, 17204), (351, 17219), (375, 17336), (376, 17339), (383, 17366), (385, 17378), (397, 17432), (402, 17453), (419, 17519), (433, 17558), (472, 17651), (484, 17699), (499, 17744), (512, 17792), (522, 17834), (526, 17843), (540, 17873), (541, 17876), (548, 17888), (573, 17945), (577, 17951), (595, 17972), (596, 17975), (642, 18113), (648, 18125), (673, 18185), (699, 18242), (734, 18380), (738, 18401), (742, 18425), (750, 18470), (757, 18488), (771, 18536), (775, 18548), (797, 18590), (811, 18653), (832, 18710), (841, 18779), (848, 18815), (864, 18896), (889, 19031),

Gene: C3_24 Start: 16651, Stop: 19164, Start Num: 103

Candidate Starts for C3_24:

(Start: 103 @16651 has 89 MA's), (170, 16831), (171, 16834), (226, 16945), (272, 17080), (287, 17140), (292, 17155), (300, 17185), (301, 17188), (318, 17272), (327, 17296), (333, 17320), (337, 17347), (338, 17350), (363, 17461), (375, 17536), (382, 17563), (385, 17578), (397, 17632), (402, 17653), (419, 17719), (426, 17737), (429, 17746), (470, 17845), (479, 17878), (481, 17887), (499,

17944), (503, 17959), (534, 18064), (596, 18175), (600, 18187), (603, 18193), (612, 18226), (657, 18346), (712, 18475), (716, 18490), (720, 18520), (725, 18532), (730, 18568), (759, 18682), (771, 18694), (799, 18736), (858, 18943), (862, 18961), (863, 18964), (899, 19150),

Gene: CRB1_26 Start: 16605, Stop: 19142, Start Num: 103

Candidate Starts for CRB1_26:

(Start: 103 @16605 has 89 MA's), (170, 16785), (171, 16788), (195, 16836), (240, 16950), (242, 16956), (249, 16977), (251, 16986), (259, 17001), (279, 17073), (292, 17115), (305, 17166), (315, 17214), (318, 17232), (330, 17265), (332, 17277), (334, 17286), (375, 17496), (385, 17538), (386, 17547), (388, 17556), (402, 17613), (418, 17676), (419, 17679), (433, 17718), (486, 17871), (488, 17877), (499, 17904), (511, 17949), (534, 18024), (540, 18033), (548, 18048), (558, 18069), (568, 18093), (578, 18114), (596, 18135), (612, 18186), (633, 18243), (648, 18285), (671, 18336), (673, 18345), (686, 18372), (712, 18435), (749, 18618), (802, 18708), (806, 18717), (842, 18828), (847, 18858), (863, 18942),

Gene: CactusRose_23 Start: 16092, Stop: 18752, Start Num: 106

Candidate Starts for CactusRose_23:

(Start: 106 @16092 has 199 MA's), (119, 16131), (141, 16194), (143, 16200), (Start: 151 @16224 has 22 MA's), (174, 16266), (308, 16575), (322, 16638), (334, 16683), (339, 16707), (353, 16782), (356, 16794), (440, 17115), (555, 17445), (576, 17496), (586, 17523), (655, 17727), (695, 17841), (700, 17850), (708, 17871), (715, 17892), (734, 17991), (743, 18033), (744, 18036), (764, 18111), (784, 18165), (810, 18249), (823, 18294), (872, 18576), (885, 18663), (892, 18702), (894, 18717),

Gene: Caelakin_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Caelakin_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (655, 17514), (657, 17520), (659, 17523), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Camperdownii_24 Start: 15504, Stop: 18104, Start Num: 104

Candidate Starts for Camperdownii_24:

(Start: 104 @15504 has 113 MA's), (Start: 151 @15645 has 22 MA's), (Start: 162 @15663 has 10 MA's), (214, 15819), (233, 15870), (245, 15909), (251, 15939), (292, 16083), (308, 16146), (322, 16209), (334, 16254), (341, 16296), (357, 16380), (446, 16647), (474, 16698), (489, 16743), (519, 16821), (530, 16854), (532, 16860), (597, 16974), (614, 17028), (632, 17073), (655, 17133), (683, 17193), (719, 17307), (750, 17472), (757, 17490), (803, 17616), (856, 17868), (857, 17871), (860, 17880), (872, 17940), (889, 18036), (896, 18084),

Gene: Candra_29 Start: 16771, Stop: 18975, Start Num: 124

Candidate Starts for Candra_29:

(65, 16612), (98, 16726), (Start: 124 @16771 has 42 MA's), (166, 16882), (168, 16888), (206, 16996), (217, 17038), (239, 17104), (267, 17197), (276, 17224), (308, 17347), (314, 17380), (336, 17470), (349, 17539), (404, 17782), (495, 17920), (599, 18040), (701, 18193), (734, 18256), (743, 18298), (770, 18397), (776, 18418), (783, 18439), (792, 18460), (806, 18511), (808, 18523), (813, 18538), (835, 18619), (847, 18697),

Gene: Caraxes_25 Start: 15288, Stop: 17795, Start Num: 105

Candidate Starts for Caraxes_25:

(Start: 100 @15270 has 4 MA's), (105, 15288), (141, 15393), (168, 15459), (170, 15462), (171, 15465), (230, 15585), (257, 15666), (272, 15711), (292, 15786), (304, 15828), (314, 15882), (318,

15903), (330, 15936), (334, 15957), (337, 15978), (338, 15981), (375, 16167), (382, 16194), (385, 16209), (397, 16263), (402, 16284), (419, 16350), (499, 16575), (503, 16590), (508, 16617), (511, 16620), (534, 16695), (548, 16719), (549, 16722), (558, 16740), (595, 16803), (596, 16806), (609, 16845), (612, 16857), (642, 16944), (648, 16956), (673, 17016), (674, 17019), (686, 17043), (699, 17073), (712, 17106), (742, 17247), (759, 17313), (802, 17376), (858, 17574), (863, 17595), (876, 17670), (886, 17706), (898, 17781),

Gene: Carlyle_26 Start: 17233, Stop: 19632, Start Num: 106

Candidate Starts for Carlyle_26:

(Start: 106 @17233 has 199 MA's), (119, 17272), (141, 17335), (Start: 151 @17365 has 22 MA's), (160, 17386), (174, 17407), (178, 17419), (186, 17437), (255, 17527), (308, 17725), (314, 17758), (332, 17824), (381, 18079), (385, 18100), (390, 18127), (402, 18166), (423, 18223), (440, 18253), (542, 18415), (616, 18568), (625, 18580), (629, 18595), (679, 18712), (703, 18757), (709, 18778), (710, 18781), (746, 18931), (750, 18946), (769, 19012), (789, 19054), (839, 19264), (852, 19345), (872, 19456), (885, 19543), (892, 19582), (894, 19597),

Gene: Catalina_27 Start: 17591, Stop: 20500, Start Num: 54

Candidate Starts for Catalina_27:

(Start: 54 @17591 has 33 MA's), (56, 17603), (66, 17663), (110, 17822), (127, 17885), (148, 17948), (164, 17990), (183, 18044), (185, 18047), (199, 18086), (253, 18257), (257, 18263), (262, 18278), (287, 18368), (288, 18371), (292, 18383), (304, 18425), (314, 18479), (318, 18500), (334, 18554), (337, 18575), (338, 18578), (341, 18596), (353, 18659), (371, 18725), (375, 18764), (382, 18791), (385, 18806), (391, 18836), (397, 18860), (400, 18872), (402, 18881), (419, 18947), (433, 18986), (455, 19052), (472, 19079), (479, 19106), (499, 19172), (511, 19217), (534, 19292), (558, 19337), (567, 19358), (577, 19379), (578, 19382), (595, 19400), (596, 19403), (606, 19430), (633, 19511), (648, 19553), (712, 19703), (716, 19718), (720, 19748), (731, 19799), (749, 19886), (751, 19895), (766, 19946), (797, 20009), (803, 20030), (810, 20066), (826, 20102), (827, 20108), (841, 20186), (846, 20213), (857, 20273), (872, 20342), (876, 20372), (882, 20399), (891, 20438), (897, 20480),

Gene: Caviar_26 Start: 16043, Stop: 19081, Start Num: 39

Candidate Starts for Caviar_26:

(Start: 39 @16043 has 32 MA's), (64, 16217), (67, 16229), (78, 16262), (139, 16469), (147, 16490), (183, 16589), (185, 16592), (251, 16802), (257, 16811), (261, 16823), (272, 16856), (288, 16919), (292, 16931), (301, 16964), (305, 16982), (309, 17003), (320, 17051), (322, 17057), (327, 17072), (330, 17081), (332, 17093), (334, 17102), (351, 17195), (375, 17312), (376, 17315), (383, 17342), (385, 17354), (397, 17408), (402, 17429), (419, 17495), (433, 17534), (484, 17675), (499, 17720), (522, 17810), (526, 17819), (540, 17849), (567, 17906), (573, 17921), (595, 17948), (596, 17951), (603, 17969), (638, 18080), (673, 18161), (699, 18218), (714, 18260), (734, 18356), (738, 18377), (742, 18401), (750, 18446), (757, 18464), (771, 18512), (775, 18524), (797, 18566), (800, 18578), (810, 18626), (848, 18797), (860, 18857), (862, 18869), (869, 18896), (872, 18917), (889, 19013), (896, 19061),

Gene: Centaur_28 Start: 17112, Stop: 19619, Start Num: 103

Candidate Starts for Centaur_28:

(Start: 103 @17112 has 89 MA's), (141, 17223), (165, 17280), (249, 17466), (272, 17529), (279, 17562), (281, 17568), (327, 17748), (330, 17757), (333, 17772), (334, 17778), (337, 17799), (338, 17802), (341, 17820), (351, 17871), (352, 17880), (375, 17988), (385, 18030), (386, 18039), (388, 18048), (397, 18084), (402, 18105), (418, 18168), (419, 18171), (426, 18189), (433, 18210), (499, 18396), (503, 18411), (508, 18438), (526, 18495), (531, 18510), (534, 18516), (540, 18525), (542, 18531), (558, 18561), (567, 18582), (596, 18627), (597, 18633), (609, 18666), (615, 18693), (632, 18732), (642, 18765), (648, 18777), (673, 18837), (686, 18864), (712, 18927), (720, 18972), (725, 18984), (730, 19020), (739, 19056), (745, 19089), (782, 19152), (797, 19176), (843, 19320), (863, 19419), (879, 19506), (899, 19605),

Gene: CentreCat_25 Start: 15886, Stop: 18486, Start Num: 104

Candidate Starts for CentreCat_25:

(Start: 104 @15886 has 113 MA's), (Start: 151 @16027 has 22 MA's), (Start: 162 @16045 has 10 MA's), (233, 16252), (245, 16291), (251, 16321), (284, 16438), (292, 16465), (308, 16528), (322, 16591), (334, 16636), (341, 16678), (357, 16762), (446, 17029), (474, 17080), (489, 17125), (519, 17203), (532, 17242), (545, 17263), (614, 17410), (622, 17431), (632, 17455), (655, 17515), (657, 17521), (659, 17524), (683, 17575), (700, 17623), (719, 17689), (750, 17854), (757, 17872), (803, 17998), (856, 18250), (857, 18253), (860, 18262), (872, 18322), (889, 18418), (896, 18466),

Gene: Cerulean_26 Start: 16197, Stop: 18797, Start Num: 104

Candidate Starts for Cerulean_26:

(Start: 104 @16197 has 113 MA's), (Start: 151 @16338 has 22 MA's), (Start: 162 @16356 has 10 MA's), (214, 16512), (233, 16563), (251, 16632), (284, 16749), (292, 16776), (308, 16839), (322, 16902), (334, 16947), (341, 16989), (357, 17073), (412, 17280), (446, 17340), (474, 17391), (489, 17436), (519, 17514), (530, 17547), (532, 17553), (614, 17721), (622, 17742), (632, 17766), (655, 17826), (657, 17832), (659, 17835), (683, 17886), (700, 17934), (719, 18000), (750, 18165), (757, 18183), (803, 18309), (856, 18561), (857, 18564), (860, 18573), (871, 18630), (872, 18633), (880, 18678), (889, 18729), (896, 18777),

Gene: Chadwick_23 Start: 15059, Stop: 17872, Start Num: 2

Candidate Starts for Chadwick_23:

(Start: 2 @15059 has 8 MA's), (10, 15248), (84, 15596), (122, 15731), (123, 15737), (202, 15830), (222, 15881), (266, 16007), (282, 16073), (288, 16094), (308, 16169), (314, 16202), (330, 16256), (335, 16289), (336, 16292), (338, 16301), (357, 16400), (368, 16433), (389, 16562), (418, 16676), (448, 16727), (496, 16793), (568, 16886), (590, 16919), (645, 17006), (672, 17039), (683, 17051), (706, 17081), (734, 17144), (743, 17186), (760, 17258), (761, 17261), (770, 17285), (773, 17300), (783, 17327), (792, 17348), (816, 17435), (825, 17465), (826, 17468), (839, 17528), (856, 17627), (860, 17639), (862, 17651), (864, 17660), (886, 17789), (889, 17807),

Gene: ChampagnePapi_26 Start: 16196, Stop: 18796, Start Num: 104

Candidate Starts for ChampagnePapi_26:

(Start: 104 @16196 has 113 MA's), (Start: 151 @16337 has 22 MA's), (Start: 162 @16355 has 10 MA's), (214, 16511), (233, 16562), (251, 16631), (284, 16748), (292, 16775), (308, 16838), (322, 16901), (334, 16946), (341, 16988), (357, 17072), (412, 17279), (446, 17339), (474, 17390), (489, 17435), (519, 17513), (530, 17546), (532, 17552), (614, 17720), (622, 17741), (632, 17765), (655, 17825), (657, 17831), (659, 17834), (683, 17885), (700, 17933), (719, 17999), (750, 18164), (757, 18182), (803, 18308), (856, 18560), (857, 18563), (860, 18572), (871, 18629), (872, 18632), (880, 18677), (889, 18728), (896, 18776),

Gene: Chanagan_23 Start: 15937, Stop: 18417, Start Num: 106

Candidate Starts for Chanagan_23:

(Start: 106 @15937 has 199 MA's), (119, 15976), (141, 16039), (Start: 151 @16069 has 22 MA's), (174, 16111), (278, 16318), (284, 16336), (308, 16426), (322, 16489), (330, 16513), (332, 16525), (341, 16576), (451, 16960), (518, 17062), (529, 17101), (549, 17128), (559, 17152), (655, 17380), (693, 17482), (700, 17503), (715, 17545), (734, 17644), (746, 17707), (814, 17926), (823, 17959), (872, 18241), (885, 18328), (892, 18367), (894, 18382),

Gene: Changeling_28 Start: 18472, Stop: 20976, Start Num: 103

Candidate Starts for Changeling_28:

(Start: 103 @18472 has 89 MA's), (141, 18583), (147, 18601), (165, 18640), (173, 18661), (Start: 182 @18685 has 15 MA's), (238, 18781), (249, 18811), (257, 18829), (292, 18949), (305, 19000), (320, 19069), (322, 19075), (327, 19090), (330, 19099), (332, 19111), (334, 19120), (375, 19330), (382,

19357), (385, 19372), (397, 19426), (402, 19447), (419, 19513), (433, 19552), (499, 19738), (503, 19753), (526, 19837), (531, 19852), (534, 19858), (540, 19867), (548, 19882), (558, 19903), (567, 19924), (595, 19966), (600, 19981), (609, 20008), (613, 20023), (630, 20065), (633, 20077), (648, 20119), (673, 20179), (686, 20206), (699, 20236), (712, 20269), (720, 20314), (725, 20326), (759, 20476), (799, 20533), (802, 20542), (806, 20551), (842, 20662), (847, 20692), (863, 20776), (889, 20905),

Gene: Chaph_25 Start: 15894, Stop: 18494, Start Num: 104

Candidate Starts for Chaph_25:

(Start: 104 @15894 has 113 MA's), (Start: 151 @16035 has 22 MA's), (Start: 162 @16053 has 10 MA's), (233, 16260), (245, 16299), (251, 16329), (284, 16446), (292, 16473), (308, 16536), (322, 16599), (334, 16644), (341, 16686), (357, 16770), (446, 17037), (474, 17088), (489, 17133), (519, 17211), (530, 17244), (532, 17250), (545, 17271), (614, 17418), (622, 17439), (632, 17463), (657, 17529), (683, 17583), (700, 17631), (719, 17697), (750, 17862), (757, 17880), (803, 18006), (856, 18258), (857, 18261), (860, 18270), (872, 18330), (889, 18426), (896, 18474),

Gene: Chargerpower_26 Start: 15837, Stop: 18245, Start Num: 135

Candidate Starts for Chargerpower_26:

(Start: 135 @15837 has 6 MA's), (Start: 142 @15855 has 5 MA's), (147, 15873), (155, 15894), (195, 15990), (207, 16032), (243, 16119), (254, 16161), (271, 16215), (292, 16299), (300, 16329), (308, 16362), (314, 16395), (327, 16440), (334, 16470), (337, 16491), (384, 16716), (390, 16731), (392, 16737), (422, 16830), (471, 16902), (495, 16977), (565, 17151), (568, 17163), (579, 17184), (598, 17211), (614, 17262), (616, 17271), (657, 17382), (687, 17469), (712, 17541), (715, 17553), (717, 17565), (721, 17589), (746, 17727), (749, 17739), (759, 17763), (799, 17817), (803, 17829), (848, 17976), (863, 18045), (880, 18135), (891, 18186), (896, 18222),

Gene: Charm_26 Start: 15553, Stop: 18648, Start Num: 23

Candidate Starts for Charm_26:

(Start: 23 @15553 has 1 MA's), (43, 15655), (Start: 54 @15742 has 33 MA's), (56, 15754), (88, 15886), (91, 15907), (97, 15928), (110, 15970), (Start: 113 @15982 has 22 MA's), (127, 16033), (148, 16096), (164, 16138), (185, 16195), (253, 16405), (257, 16411), (287, 16516), (292, 16531), (302, 16570), (304, 16573), (318, 16648), (320, 16651), (334, 16702), (337, 16723), (338, 16726), (341, 16744), (375, 16912), (382, 16939), (385, 16954), (397, 17008), (402, 17029), (418, 17092), (419, 17095), (433, 17134), (472, 17227), (479, 17254), (512, 17368), (514, 17377), (528, 17422), (540, 17449), (558, 17485), (567, 17506), (573, 17521), (595, 17548), (596, 17551), (604, 17572), (613, 17605), (634, 17665), (648, 17701), (712, 17851), (720, 17896), (731, 17947), (745, 18013), (750, 18037), (757, 18055), (761, 18076), (766, 18094), (782, 18124), (797, 18157), (803, 18178), (809, 18208), (827, 18259), (841, 18337), (848, 18373), (857, 18424), (863, 18448), (876, 18523), (891, 18589), (897, 18631),

Gene: Chartreuse_29 Start: 16682, Stop: 18886, Start Num: 124

Candidate Starts for Chartreuse_29:

(65, 16523), (98, 16637), (Start: 124 @16682 has 42 MA's), (166, 16793), (168, 16799), (206, 16907), (217, 16949), (239, 17015), (267, 17108), (276, 17135), (308, 17258), (314, 17291), (336, 17381), (349, 17450), (404, 17693), (495, 17831), (599, 17951), (701, 18104), (734, 18167), (743, 18209), (770, 18308), (776, 18329), (783, 18350), (792, 18371), (806, 18422), (808, 18434), (813, 18449), (835, 18530), (847, 18608),

Gene: Che12_28 Start: 15530, Stop: 18055, Start Num: 100

Candidate Starts for Che12_28:

(Start: 100 @15530 has 4 MA's), (105, 15548), (141, 15653), (168, 15719), (170, 15722), (171, 15725), (272, 15974), (279, 16007), (280, 16010), (292, 16049), (305, 16100), (314, 16145), (318, 16166), (330, 16199), (333, 16214), (334, 16220), (337, 16241), (375, 16430), (382, 16457), (385,

16472), (397, 16526), (402, 16547), (419, 16613), (470, 16739), (499, 16838), (503, 16853), (508, 16880), (512, 16886), (534, 16958), (548, 16982), (549, 16985), (558, 17003), (573, 17039), (595, 17066), (596, 17069), (612, 17120), (613, 17123), (642, 17207), (673, 17279), (686, 17306), (699, 17336), (712, 17369), (716, 17384), (759, 17576), (802, 17639), (858, 17837), (863, 17858), (876, 17933), (886, 17969),

Gene: ChipMunk_28 Start: 17023, Stop: 19566, Start Num: 103

Candidate Starts for ChipMunk_28:

(Start: 103 @17023 has 89 MA's), (168, 17200), (170, 17203), (171, 17206), (238, 17371), (242, 17380), (249, 17401), (251, 17410), (261, 17431), (272, 17464), (279, 17497), (292, 17539), (305, 17590), (314, 17635), (315, 17638), (318, 17656), (330, 17689), (332, 17701), (334, 17710), (337, 17731), (338, 17734), (375, 17920), (385, 17962), (386, 17971), (388, 17980), (402, 18037), (419, 18103), (433, 18142), (472, 18235), (481, 18271), (499, 18328), (518, 18394), (526, 18427), (531, 18442), (534, 18448), (540, 18457), (548, 18472), (558, 18493), (567, 18514), (577, 18535), (578, 18538), (595, 18556), (596, 18559), (609, 18598), (612, 18610), (633, 18667), (637, 18685), (648, 18709), (673, 18769), (686, 18796), (712, 18859), (749, 19042), (799, 19123), (802, 19132), (806, 19141), (842, 19252), (847, 19282), (863, 19366),

Gene: Chiqui_24 Start: 15764, Stop: 18802, Start Num: 39

Candidate Starts for Chiqui_24:

(Start: 39 @15764 has 32 MA's), (64, 15938), (78, 15983), (139, 16193), (185, 16316), (251, 16523), (272, 16577), (292, 16652), (301, 16685), (305, 16703), (308, 16715), (325, 16781), (330, 16802), (332, 16814), (334, 16823), (341, 16865), (351, 16916), (375, 17033), (376, 17036), (385, 17075), (397, 17129), (402, 17150), (419, 17216), (429, 17243), (472, 17348), (484, 17396), (499, 17441), (503, 17456), (512, 17489), (522, 17531), (526, 17540), (540, 17570), (548, 17585), (558, 17606), (573, 17642), (595, 17669), (596, 17672), (604, 17693), (609, 17711), (624, 17756), (637, 17798), (638, 17801), (673, 17882), (692, 17921), (712, 17972), (713, 17975), (715, 17984), (719, 18008), (734, 18077), (738, 18098), (750, 18167), (757, 18185), (771, 18233), (775, 18245), (791, 18275), (797, 18287), (800, 18299), (810, 18347), (848, 18518), (860, 18578), (864, 18599), (882, 18695), (889, 18734), (896, 18782),

Gene: Chupacabra_25 Start: 15864, Stop: 18416, Start Num: 162

Candidate Starts for Chupacabra_25:

(52, 15456), (Start: 101 @15687 has 8 MA's), (Start: 162 @15864 has 10 MA's), (169, 15885), (178, 15909), (190, 15939), (193, 15942), (196, 15951), (207, 15990), (213, 16005), (218, 16029), (254, 16137), (258, 16149), (261, 16158), (274, 16212), (288, 16266), (291, 16275), (295, 16299), (302, 16320), (323, 16425), (332, 16467), (393, 16779), (482, 16989), (517, 17109), (530, 17154), (531, 17157), (532, 17160), (545, 17181), (547, 17184), (566, 17229), (614, 17337), (622, 17358), (644, 17418), (659, 17451), (689, 17514), (715, 17592), (719, 17616), (734, 17691), (745, 17757), (750, 17781), (757, 17799), (765, 17835), (776, 17865), (793, 17907), (798, 17919), (803, 17931), (812, 17967), (818, 17979), (860, 18192), (862, 18204), (868, 18228), (872, 18252), (889, 18348), (896, 18396),

Gene: Ciao_24 Start: 16311, Stop: 18782, Start Num: 106

Candidate Starts for Ciao_24:

(Start: 106 @16311 has 199 MA's), (119, 16350), (141, 16413), (Start: 151 @16443 has 22 MA's), (160, 16464), (174, 16485), (178, 16497), (186, 16515), (255, 16605), (308, 16803), (314, 16836), (332, 16902), (381, 17157), (385, 17178), (390, 17205), (467, 17364), (490, 17400), (542, 17493), (552, 17514), (583, 17571), (630, 17691), (639, 17727), (655, 17757), (666, 17793), (693, 17859), (700, 17880), (734, 18021), (769, 18162), (778, 18183), (822, 18318), (852, 18495), (872, 18606), (882, 18672), (885, 18693), (892, 18732), (894, 18747),

Gene: Cici_25 Start: 15876, Stop: 18476, Start Num: 104

Candidate Starts for Cici_25:

(Start: 104 @15876 has 113 MA's), (222, 16218), (239, 16266), (256, 16323), (284, 16428), (288, 16443), (292, 16455), (308, 16518), (334, 16626), (337, 16647), (341, 16668), (446, 17019), (474, 17070), (489, 17115), (530, 17226), (532, 17232), (614, 17400), (633, 17448), (655, 17505), (683, 17565), (700, 17613), (713, 17646), (719, 17679), (722, 17697), (750, 17844), (757, 17862), (803, 17988), (831, 18078), (845, 18177), (857, 18243), (860, 18252), (872, 18312), (874, 18321), (880, 18357), (883, 18375), (889, 18408), (896, 18456),

Gene: Cindaradix_24 Start: 15793, Stop: 18210, Start Num: 172

Candidate Starts for Cindaradix_24:

(Start: 104 @15610 has 113 MA's), (Start: 172 @15793 has 1 MA's), (222, 15952), (235, 15979), (239, 16000), (271, 16105), (284, 16162), (308, 16252), (334, 16360), (349, 16444), (460, 16780), (474, 16804), (489, 16849), (582, 17062), (605, 17098), (614, 17134), (632, 17179), (683, 17299), (719, 17413), (750, 17578), (757, 17596), (803, 17722), (845, 17911), (857, 17977), (860, 17986), (872, 18046), (874, 18055), (880, 18091), (883, 18109), (889, 18142), (896, 18190),

Gene: Cintron_25 Start: 16074, Stop: 18533, Start Num: 151

Candidate Starts for Cintron_25:

(Start: 104 @15933 has 113 MA's), (Start: 151 @16074 has 22 MA's), (214, 16248), (233, 16299), (245, 16338), (251, 16368), (284, 16485), (292, 16512), (308, 16575), (322, 16638), (334, 16683), (341, 16725), (446, 17076), (474, 17127), (489, 17172), (532, 17289), (614, 17457), (622, 17478), (632, 17502), (655, 17562), (657, 17568), (659, 17571), (683, 17622), (700, 17670), (719, 17736), (750, 17901), (757, 17919), (803, 18045), (856, 18297), (857, 18300), (860, 18309), (871, 18366), (872, 18369), (880, 18414), (889, 18465), (896, 18513),

Gene: Citius_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Citius_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (655, 17514), (657, 17520), (659, 17523), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Clarenza_25 Start: 15882, Stop: 18482, Start Num: 104

Candidate Starts for Clarenza_25:

(Start: 104 @15882 has 113 MA's), (Start: 151 @16023 has 22 MA's), (Start: 162 @16041 has 10 MA's), (233, 16248), (245, 16287), (251, 16317), (284, 16434), (292, 16461), (308, 16524), (322, 16587), (334, 16632), (341, 16674), (357, 16758), (446, 17025), (474, 17076), (489, 17121), (519, 17199), (532, 17238), (614, 17406), (622, 17427), (632, 17451), (657, 17517), (683, 17571), (700, 17619), (719, 17685), (750, 17850), (757, 17868), (803, 17994), (856, 18246), (857, 18249), (860, 18258), (872, 18318), (889, 18414), (896, 18462),

Gene: CloudWang3_29 Start: 16717, Stop: 18933, Start Num: 124

Candidate Starts for CloudWang3_29:

(98, 16672), (Start: 124 @16717 has 42 MA's), (166, 16828), (217, 16984), (263, 17131), (267, 17143), (307, 17290), (308, 17293), (314, 17326), (336, 17416), (349, 17485), (368, 17560), (404, 17728), (599, 17986), (628, 18031), (701, 18139), (734, 18202), (743, 18244), (770, 18343), (776, 18364), (792, 18406), (806, 18457), (813, 18484), (835, 18565), (847, 18655),

Gene: Cocoaberry_25 Start: 15889, Stop: 18489, Start Num: 104

Candidate Starts for Cocoaberry_25:

(Start: 104 @15889 has 113 MA's), (Start: 151 @16030 has 22 MA's), (Start: 162 @16048 has 10 MA's), (233, 16255), (245, 16294), (251, 16324), (284, 16441), (292, 16468), (308, 16531), (322, 16594), (334, 16639), (341, 16681), (357, 16765), (446, 17032), (474, 17083), (489, 17128), (519, 17206), (530, 17239), (532, 17245), (545, 17266), (614, 17413), (622, 17434), (632, 17458), (657, 17524), (683, 17578), (700, 17626), (719, 17692), (750, 17857), (757, 17875), (803, 18001), (856, 18253), (857, 18256), (860, 18265), (872, 18325), (889, 18421), (896, 18469),

Gene: Colbster_27 Start: 15979, Stop: 19005, Start Num: 40

Candidate Starts for Colbster_27:

(31, 15925), (Start: 40 @15979 has 81 MA's), (56, 16093), (66, 16159), (67, 16162), (73, 16171), (84, 16207), (94, 16258), (118, 16330), (139, 16402), (183, 16522), (185, 16525), (207, 16594), (219, 16639), (251, 16732), (257, 16741), (263, 16759), (272, 16786), (288, 16849), (292, 16861), (301, 16894), (305, 16912), (318, 16978), (320, 16981), (322, 16987), (327, 17002), (330, 17011), (332, 17023), (334, 17032), (347, 17110), (351, 17125), (375, 17242), (376, 17245), (383, 17272), (385, 17284), (397, 17338), (402, 17359), (419, 17425), (433, 17464), (472, 17557), (484, 17605), (499, 17650), (512, 17698), (522, 17740), (526, 17749), (540, 17779), (541, 17782), (548, 17794), (573, 17851), (577, 17857), (595, 17878), (596, 17881), (642, 18019), (648, 18031), (673, 18091), (699, 18148), (734, 18286), (738, 18307), (742, 18331), (750, 18376), (757, 18394), (771, 18442), (775, 18454), (797, 18496), (811, 18559), (832, 18616), (841, 18685), (848, 18721), (864, 18802), (889, 18937),

Gene: Colin_30 Start: 18311, Stop: 20851, Start Num: 103

Candidate Starts for Colin_30:

(Start: 103 @18311 has 89 MA's), (170, 18491), (195, 18542), (242, 18662), (249, 18683), (251, 18692), (259, 18707), (261, 18713), (272, 18746), (279, 18779), (281, 18785), (292, 18821), (327, 18965), (330, 18974), (333, 18989), (334, 18995), (337, 19016), (341, 19037), (352, 19097), (375, 19205), (385, 19247), (386, 19256), (388, 19265), (397, 19301), (400, 19313), (402, 19322), (419, 19388), (433, 19427), (482, 19559), (499, 19613), (512, 19661), (534, 19733), (542, 19748), (558, 19778), (578, 19823), (596, 19844), (609, 19883), (615, 19910), (648, 19994), (673, 20054), (686, 20081), (712, 20144), (720, 20189), (730, 20237), (799, 20408), (802, 20417), (806, 20426), (842, 20537), (847, 20567), (862, 20648), (863, 20651),

Gene: Commander_25 Start: 16026, Stop: 18485, Start Num: 151

Candidate Starts for Commander_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: ConceptII_25 Start: 16819, Stop: 19299, Start Num: 106

Candidate Starts for ConceptII_25:

(Start: 106 @16819 has 199 MA's), (119, 16858), (141, 16921), (143, 16927), (Start: 151 @16951 has 22 MA's), (174, 16993), (278, 17200), (284, 17218), (308, 17308), (322, 17371), (330, 17395), (332, 17407), (341, 17458), (451, 17842), (518, 17944), (529, 17983), (549, 18010), (559, 18034), (619, 18163), (655, 18262), (693, 18364), (700, 18385), (734, 18526), (746, 18589), (814, 18808), (823, 18841), (852, 19012), (872, 19123), (882, 19189), (885, 19210), (892, 19249),

Gene: Connomayer_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Connomayer_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322,

16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (597, 17355), (614, 17409), (632, 17454), (655, 17514), (668, 17532), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Conquerage_27 Start: 17620, Stop: 20529, Start Num: 54

Candidate Starts for Conquerage_27:

(Start: 54 @17620 has 33 MA's), (56, 17632), (66, 17692), (127, 17914), (148, 17977), (164, 18019), (183, 18073), (185, 18076), (199, 18115), (253, 18286), (257, 18292), (262, 18307), (287, 18397), (288, 18400), (292, 18412), (304, 18454), (314, 18508), (318, 18529), (334, 18583), (337, 18604), (338, 18607), (341, 18625), (353, 18688), (371, 18754), (375, 18793), (382, 18820), (385, 18835), (391, 18865), (397, 18889), (400, 18901), (402, 18910), (419, 18976), (433, 19015), (455, 19081), (472, 19108), (479, 19135), (511, 19246), (534, 19321), (548, 19345), (558, 19366), (567, 19387), (577, 19408), (578, 19411), (595, 19429), (596, 19432), (606, 19459), (626, 19519), (635, 19549), (648, 19582), (662, 19612), (668, 19624), (712, 19732), (716, 19747), (720, 19777), (731, 19828), (749, 19915), (751, 19924), (766, 19975), (797, 20038), (803, 20059), (810, 20095), (826, 20131), (827, 20137), (841, 20215), (846, 20242), (872, 20371), (876, 20401), (882, 20428), (891, 20467), (897, 20509),

Gene: Conspiracy_22 Start: 15069, Stop: 18410, Start Num: 1

Candidate Starts for Conspiracy_22:

(Start: 1 @15069 has 30 MA's), (37, 15507), (122, 15819), (144, 15897), (154, 15927), (175, 15984), (220, 16131), (222, 16137), (226, 16143), (263, 16269), (267, 16281), (308, 16431), (315, 16467), (322, 16497), (327, 16512), (334, 16542), (335, 16554), (340, 16578), (353, 16647), (371, 16713), (404, 16869), (423, 16938), (425, 16941), (438, 16968), (447, 16992), (512, 17130), (524, 17151), (549, 17196), (570, 17238), (650, 17430), (669, 17460), (677, 17484), (683, 17496), (693, 17517), (706, 17559), (726, 17646), (734, 17682), (739, 17703), (743, 17724), (762, 17802), (770, 17823), (776, 17844), (783, 17865), (792, 17886), (799, 17910), (816, 17973), (839, 18066), (842, 18084), (856, 18165), (860, 18177), (862, 18189), (864, 18198), (875, 18252), (888, 18336), (889, 18345),

Gene: Coog_22 Start: 15213, Stop: 18551, Start Num: 1

Candidate Starts for Coog_22:

(Start: 1 @15213 has 30 MA's), (37, 15651), (122, 15963), (144, 16041), (154, 16071), (175, 16128), (220, 16275), (222, 16281), (262, 16401), (264, 16410), (287, 16491), (288, 16494), (308, 16569), (317, 16614), (322, 16632), (334, 16677), (337, 16698), (376, 16890), (409, 17028), (425, 17076), (459, 17154), (514, 17280), (524, 17292), (533, 17316), (570, 17379), (650, 17571), (669, 17601), (677, 17625), (683, 17637), (706, 17700), (734, 17823), (739, 17844), (743, 17865), (762, 17943), (770, 17964), (783, 18006), (792, 18027), (816, 18114), (825, 18144), (839, 18207), (842, 18225), (856, 18306), (860, 18318), (862, 18330), (864, 18339), (875, 18393), (888, 18477), (893, 18516),

Gene: Cookiedough_29 Start: 16728, Stop: 18932, Start Num: 124

Candidate Starts for Cookiedough_29:

(65, 16569), (98, 16683), (Start: 124 @16728 has 42 MA's), (166, 16839), (168, 16845), (206, 16953), (217, 16995), (239, 17061), (267, 17154), (276, 17181), (308, 17304), (314, 17337), (336, 17427), (349, 17496), (404, 17739), (495, 17877), (599, 17997), (701, 18150), (734, 18213), (743, 18255), (770, 18354), (776, 18375), (783, 18396), (792, 18417), (806, 18468), (808, 18480), (813, 18495), (835, 18576), (847, 18654),

Gene: Corvo_24 Start: 16803, Stop: 19274, Start Num: 106

Candidate Starts for Corvo_24:

(Start: 106 @16803 has 199 MA's), (119, 16842), (141, 16905), (Start: 151 @16935 has 22 MA's), (160, 16956), (174, 16977), (178, 16989), (186, 17007), (255, 17097), (308, 17295), (314, 17328), (332, 17394), (381, 17649), (385, 17670), (390, 17697), (467, 17856), (490, 17892), (542, 17985),

(552, 18006), (583, 18063), (630, 18183), (639, 18219), (655, 18249), (666, 18285), (693, 18351), (700, 18372), (734, 18513), (769, 18654), (778, 18675), (822, 18810), (852, 18987), (872, 19098), (885, 19185), (892, 19224),

Gene: Crispicous1_23 Start: 15808, Stop: 18288, Start Num: 106

Candidate Starts for Crispicous1_23:

(Start: 106 @15808 has 199 MA's), (119, 15847), (141, 15910), (Start: 151 @15940 has 22 MA's), (174, 15982), (278, 16189), (284, 16207), (308, 16297), (322, 16360), (330, 16384), (332, 16396), (341, 16447), (451, 16831), (518, 16933), (529, 16972), (549, 16999), (559, 17023), (619, 17152), (655, 17251), (693, 17353), (700, 17374), (715, 17416), (734, 17515), (746, 17578), (814, 17797), (823, 17830), (872, 18112), (885, 18199), (892, 18238), (894, 18253),

Gene: Crucio_26 Start: 16547, Stop: 19084, Start Num: 103

Candidate Starts for Crucio_26:

(Start: 103 @16547 has 89 MA's), (168, 16724), (170, 16727), (171, 16730), (Start: 182 @16760 has 15 MA's), (242, 16898), (249, 16919), (251, 16928), (261, 16949), (272, 16982), (287, 17042), (292, 17057), (305, 17108), (315, 17156), (318, 17174), (330, 17207), (332, 17219), (333, 17222), (334, 17228), (337, 17249), (338, 17252), (354, 17339), (375, 17438), (385, 17480), (386, 17489), (388, 17498), (400, 17546), (402, 17555), (419, 17621), (433, 17660), (499, 17846), (503, 17861), (512, 17894), (526, 17945), (534, 17966), (542, 17981), (548, 17990), (556, 18005), (595, 18074), (648, 18227), (657, 18248), (712, 18377), (720, 18422), (725, 18434), (730, 18470), (802, 18650), (806, 18659), (842, 18770), (847, 18800), (863, 18884),

Gene: Cuco_22 Start: 15243, Stop: 18581, Start Num: 1

Candidate Starts for Cuco_22:

(Start: 1 @15243 has 30 MA's), (37, 15681), (122, 15993), (144, 16071), (154, 16101), (175, 16158), (220, 16305), (222, 16311), (262, 16431), (264, 16440), (287, 16521), (288, 16524), (308, 16599), (317, 16644), (322, 16662), (334, 16707), (337, 16728), (376, 16920), (409, 17058), (425, 17106), (459, 17184), (514, 17310), (524, 17322), (533, 17346), (570, 17409), (650, 17601), (669, 17631), (677, 17655), (683, 17667), (706, 17730), (734, 17853), (739, 17874), (743, 17895), (762, 17973), (770, 17994), (783, 18036), (792, 18057), (816, 18144), (825, 18174), (839, 18237), (842, 18255), (856, 18336), (860, 18348), (862, 18360), (864, 18369), (875, 18423), (888, 18507), (893, 18546),

Gene: Cueyllyss_24 Start: 16510, Stop: 18990, Start Num: 106

Candidate Starts for Cueyllyss_24:

(Start: 106 @16510 has 199 MA's), (119, 16549), (141, 16612), (143, 16618), (Start: 151 @16642 has 22 MA's), (174, 16684), (278, 16891), (284, 16909), (308, 16999), (322, 17062), (330, 17086), (332, 17098), (341, 17149), (451, 17533), (518, 17635), (529, 17674), (549, 17701), (559, 17725), (619, 17854), (655, 17953), (693, 18055), (700, 18076), (705, 18088), (715, 18118), (734, 18217), (746, 18280), (814, 18499), (823, 18532), (872, 18814), (882, 18880), (885, 18901), (892, 18940), (894, 18955),

Gene: Cullens_27 Start: 15978, Stop: 19004, Start Num: 40

Candidate Starts for Cullens_27:

(31, 15924), (Start: 40 @15978 has 81 MA's), (56, 16092), (66, 16158), (67, 16161), (73, 16170), (84, 16206), (94, 16257), (118, 16329), (139, 16401), (183, 16521), (185, 16524), (207, 16593), (219, 16638), (251, 16731), (257, 16740), (263, 16758), (272, 16785), (288, 16848), (292, 16860), (301, 16893), (305, 16911), (318, 16977), (320, 16980), (322, 16986), (327, 17001), (330, 17010), (332, 17022), (334, 17031), (347, 17109), (351, 17124), (375, 17241), (376, 17244), (383, 17271), (385, 17283), (397, 17337), (402, 17358), (419, 17424), (433, 17463), (472, 17556), (484, 17604), (499, 17649), (512, 17697), (522, 17739), (526, 17748), (540, 17778), (541, 17781), (548, 17793), (573, 17850), (577, 17856), (595, 17877), (596, 17880), (642, 18018), (648, 18030), (673, 18090), (699, 18147), (734, 18285), (738, 18306), (742, 18330), (750, 18375), (757, 18393), (771, 18441), (775,

18453), (797, 18495), (811, 18558), (832, 18615), (841, 18684), (848, 18720), (864, 18801), (889, 18936),

Gene: D29_26 Start: 16508, Stop: 19021, Start Num: 103

Candidate Starts for D29_26:

(Start: 103 @16508 has 89 MA's), (170, 16688), (171, 16691), (270, 16934), (272, 16937), (287, 16997), (292, 17012), (300, 17042), (301, 17045), (318, 17129), (327, 17153), (333, 17177), (337, 17204), (338, 17207), (363, 17318), (375, 17393), (382, 17420), (385, 17435), (397, 17489), (402, 17510), (419, 17576), (426, 17594), (429, 17603), (470, 17702), (479, 17735), (481, 17744), (499, 17801), (503, 17816), (534, 17921), (596, 18032), (600, 18044), (603, 18050), (612, 18083), (613, 18086), (657, 18203), (712, 18332), (716, 18347), (720, 18377), (725, 18389), (730, 18425), (759, 18539), (771, 18551), (799, 18593), (858, 18800), (862, 18818), (863, 18821), (899, 19007),

Gene: D32_29 Start: 16508, Stop: 19021, Start Num: 103

Candidate Starts for D32_29:

(Start: 103 @16508 has 89 MA's), (170, 16688), (171, 16691), (270, 16934), (272, 16937), (287, 16997), (292, 17012), (300, 17042), (301, 17045), (318, 17129), (327, 17153), (333, 17177), (337, 17204), (338, 17207), (363, 17318), (375, 17393), (382, 17420), (385, 17435), (397, 17489), (402, 17510), (419, 17576), (426, 17594), (429, 17603), (470, 17702), (479, 17735), (481, 17744), (499, 17801), (503, 17816), (534, 17921), (596, 18032), (600, 18044), (603, 18050), (612, 18083), (613, 18086), (657, 18203), (712, 18332), (716, 18347), (720, 18377), (725, 18389), (730, 18425), (759, 18539), (771, 18551), (799, 18593), (858, 18800), (862, 18818), (863, 18821), (899, 19007),

Gene: DBQu4n_29 Start: 16508, Stop: 19021, Start Num: 103

Candidate Starts for DBQu4n_29:

(Start: 103 @16508 has 89 MA's), (170, 16688), (171, 16691), (272, 16937), (287, 16997), (292, 17012), (300, 17042), (301, 17045), (318, 17129), (327, 17153), (333, 17177), (337, 17204), (338, 17207), (360, 17312), (375, 17393), (382, 17420), (385, 17435), (397, 17489), (402, 17510), (419, 17576), (426, 17594), (429, 17603), (470, 17702), (479, 17735), (481, 17744), (499, 17801), (503, 17816), (534, 17921), (596, 18032), (600, 18044), (603, 18050), (612, 18083), (657, 18203), (712, 18332), (716, 18347), (720, 18377), (725, 18389), (730, 18425), (759, 18539), (771, 18551), (799, 18593), (858, 18800), (862, 18818), (863, 18821), (899, 19007),

Gene: DD5_25 Start: 17058, Stop: 19538, Start Num: 106

Candidate Starts for DD5_25:

(Start: 106 @17058 has 199 MA's), (119, 17097), (141, 17160), (Start: 151 @17190 has 22 MA's), (174, 17232), (278, 17439), (284, 17457), (308, 17547), (322, 17610), (330, 17634), (332, 17646), (341, 17697), (451, 18081), (518, 18183), (529, 18222), (549, 18249), (559, 18273), (619, 18402), (655, 18501), (693, 18603), (700, 18624), (715, 18666), (734, 18765), (746, 18828), (814, 19047), (823, 19080), (852, 19251), (872, 19362), (885, 19449), (892, 19488), (894, 19503),

Gene: DaHudson_27 Start: 15971, Stop: 18997, Start Num: 40

Candidate Starts for DaHudson_27:

(31, 15917), (Start: 40 @15971 has 81 MA's), (56, 16085), (66, 16151), (67, 16154), (73, 16163), (84, 16199), (94, 16250), (118, 16322), (139, 16394), (183, 16514), (185, 16517), (207, 16586), (219, 16631), (251, 16724), (257, 16733), (263, 16751), (272, 16778), (288, 16841), (292, 16853), (301, 16886), (305, 16904), (318, 16970), (320, 16973), (322, 16979), (327, 16994), (330, 17003), (332, 17015), (334, 17024), (351, 17117), (375, 17234), (376, 17237), (383, 17264), (385, 17276), (397, 17330), (402, 17351), (419, 17417), (429, 17444), (472, 17549), (484, 17597), (499, 17642), (512, 17690), (522, 17732), (526, 17741), (540, 17771), (541, 17774), (548, 17786), (573, 17843), (577, 17849), (595, 17870), (596, 17873), (642, 18011), (648, 18023), (673, 18083), (700, 18143), (712, 18173), (713, 18176), (715, 18185), (734, 18278), (750, 18368), (771, 18434), (775, 18446), (797, 18488), (811, 18551), (832, 18608), (841, 18677), (848, 18713), (864, 18794), (889, 18929),

Gene: DaVinci_29 Start: 16736, Stop: 18940, Start Num: 124

Candidate Starts for DaVinci_29:

(65, 16577), (98, 16691), (Start: 124 @16736 has 42 MA's), (166, 16847), (168, 16853), (206, 16961), (217, 17003), (239, 17069), (267, 17162), (276, 17189), (308, 17312), (314, 17345), (336, 17435), (349, 17504), (404, 17747), (495, 17885), (599, 18005), (701, 18158), (734, 18221), (743, 18263), (770, 18362), (776, 18383), (783, 18404), (792, 18425), (806, 18476), (808, 18488), (813, 18503), (835, 18584), (847, 18662),

Gene: Daishi_26 Start: 14904, Stop: 17930, Start Num: 40

Candidate Starts for Daishi_26:

(31, 14850), (Start: 40 @14904 has 81 MA's), (56, 15018), (66, 15084), (67, 15087), (73, 15096), (84, 15132), (94, 15183), (118, 15255), (139, 15327), (183, 15447), (185, 15450), (207, 15519), (219, 15564), (251, 15657), (257, 15666), (263, 15684), (272, 15711), (288, 15774), (292, 15786), (301, 15819), (305, 15837), (318, 15903), (320, 15906), (322, 15912), (327, 15927), (330, 15936), (332, 15948), (334, 15957), (347, 16035), (351, 16050), (375, 16167), (376, 16170), (383, 16197), (385, 16209), (397, 16263), (402, 16284), (419, 16350), (433, 16389), (472, 16482), (484, 16530), (499, 16575), (512, 16623), (522, 16665), (526, 16674), (540, 16704), (541, 16707), (548, 16719), (573, 16776), (577, 16782), (595, 16803), (596, 16806), (642, 16944), (648, 16956), (673, 17016), (699, 17073), (734, 17211), (738, 17232), (742, 17256), (750, 17301), (757, 17319), (771, 17367), (775, 17379), (797, 17421), (811, 17484), (832, 17541), (841, 17610), (848, 17646), (864, 17727), (889, 17862),

Gene: Dalmatian_26 Start: 16688, Stop: 19231, Start Num: 103

Candidate Starts for Dalmatian_26:

(Start: 103 @16688 has 89 MA's), (168, 16865), (170, 16868), (171, 16871), (240, 17039), (242, 17045), (249, 17066), (251, 17075), (261, 17096), (272, 17129), (279, 17162), (305, 17255), (315, 17303), (318, 17321), (327, 17345), (330, 17354), (332, 17366), (333, 17369), (334, 17375), (337, 17396), (338, 17399), (354, 17486), (375, 17585), (385, 17627), (388, 17645), (394, 17666), (400, 17693), (402, 17702), (419, 17768), (433, 17807), (499, 17993), (503, 18008), (512, 18041), (526, 18092), (534, 18113), (542, 18128), (548, 18137), (556, 18152), (595, 18221), (648, 18374), (657, 18395), (712, 18524), (716, 18539), (720, 18569), (725, 18581), (730, 18617), (802, 18797), (806, 18806), (842, 18917), (847, 18947), (863, 19031),

Gene: Danforth_21 Start: 14528, Stop: 17605, Start Num: 9

Candidate Starts for Danforth_21:

(Start: 9 @14528 has 11 MA's), (16, 14612), (37, 14780), (42, 14804), (76, 14852), (111, 14972), (130, 15044), (187, 15194), (189, 15197), (191, 15203), (245, 15389), (262, 15449), (263, 15455), (282, 15521), (290, 15548), (293, 15563), (307, 15614), (308, 15617), (314, 15650), (322, 15683), (359, 15851), (396, 16034), (404, 16058), (414, 16106), (423, 16127), (425, 16130), (486, 16274), (514, 16331), (531, 16361), (557, 16400), (593, 16472), (609, 16502), (640, 16601), (653, 16631), (677, 16676), (693, 16709), (734, 16874), (739, 16895), (742, 16907), (760, 16988), (770, 17015), (792, 17078), (799, 17102), (807, 17132), (816, 17165), (826, 17198), (839, 17258), (843, 17285), (863, 17384), (864, 17390), (880, 17480), (883, 17501), (890, 17540), (900, 17588),

Gene: Darrell_28 Start: 17782, Stop: 20697, Start Num: 54

Candidate Starts for Darrell_28:

(Start: 54 @17782 has 33 MA's), (56, 17794), (66, 17854), (110, 18013), (127, 18076), (148, 18139), (164, 18181), (185, 18238), (253, 18451), (257, 18457), (262, 18472), (287, 18562), (288, 18565), (292, 18577), (302, 18616), (304, 18619), (314, 18673), (318, 18694), (334, 18748), (337, 18769), (338, 18772), (341, 18790), (353, 18853), (371, 18919), (375, 18958), (382, 18985), (385, 19000), (391, 19030), (397, 19054), (402, 19075), (419, 19141), (433, 19180), (472, 19273), (482, 19312), (534, 19486), (540, 19495), (558, 19531), (567, 19552), (573, 19567), (577, 19573), (595, 19594),

(596, 19597), (613, 19651), (633, 19705), (634, 19711), (662, 19777), (668, 19789), (700, 19867), (712, 19897), (720, 19942), (731, 19993), (749, 20080), (751, 20089), (766, 20140), (782, 20170), (797, 20203), (810, 20263), (827, 20305), (841, 20383), (846, 20410), (857, 20470), (876, 20569), (886, 20605), (891, 20635), (897, 20677),

Gene: DARTHPhader_27 Start: 17575, Stop: 20688, Start Num: 27

Candidate Starts for DARTHPhader_27:

(6, 17329), (21, 17545), (Start: 27 @17575 has 5 MA's), (Start: 54 @17752 has 33 MA's), (56, 17764), (63, 17800), (127, 18034), (148, 18097), (183, 18193), (185, 18196), (199, 18235), (249, 18397), (251, 18406), (253, 18409), (259, 18421), (272, 18460), (279, 18493), (296, 18556), (305, 18586), (314, 18631), (318, 18652), (320, 18655), (327, 18676), (334, 18706), (335, 18718), (344, 18757), (345, 18766), (348, 18787), (353, 18811), (387, 18973), (398, 19015), (402, 19033), (404, 19042), (406, 19054), (418, 19096), (419, 19099), (433, 19138), (475, 19240), (479, 19258), (499, 19324), (530, 19435), (534, 19444), (558, 19489), (566, 19504), (578, 19534), (594, 19546), (595, 19552), (597, 19561), (600, 19567), (614, 19615), (615, 19621), (619, 19627), (642, 19693), (673, 19765), (674, 19768), (700, 19825), (712, 19855), (715, 19867), (719, 19891), (720, 19900), (750, 20056), (760, 20092), (764, 20101), (797, 20176), (817, 20257), (820, 20266), (848, 20413), (856, 20461), (857, 20464), (863, 20488), (889, 20617), (891, 20629),

Gene: Datway_25 Start: 15891, Stop: 18491, Start Num: 104

Candidate Starts for Datway_25:

(Start: 104 @15891 has 113 MA's), (239, 16281), (276, 16410), (284, 16443), (292, 16470), (308, 16533), (334, 16641), (362, 16776), (412, 16974), (460, 17061), (474, 17085), (489, 17130), (530, 17241), (532, 17247), (614, 17415), (633, 17463), (655, 17520), (683, 17580), (700, 17628), (713, 17661), (719, 17694), (722, 17712), (750, 17859), (757, 17877), (803, 18003), (831, 18093), (845, 18192), (857, 18258), (860, 18267), (872, 18327), (874, 18336), (880, 18372), (883, 18390), (889, 18423), (896, 18471),

Gene: Deano_25 Start: 15893, Stop: 18493, Start Num: 104

Candidate Starts for Deano_25:

(Start: 104 @15893 has 113 MA's), (Start: 151 @16034 has 22 MA's), (Start: 162 @16052 has 10 MA's), (233, 16259), (245, 16298), (251, 16328), (284, 16445), (292, 16472), (308, 16535), (322, 16598), (334, 16643), (341, 16685), (357, 16769), (446, 17036), (474, 17087), (489, 17132), (519, 17210), (530, 17243), (532, 17249), (614, 17417), (622, 17438), (632, 17462), (657, 17528), (683, 17582), (700, 17630), (719, 17696), (750, 17861), (757, 17879), (803, 18005), (856, 18257), (857, 18260), (860, 18269), (872, 18329), (889, 18425), (896, 18473),

Gene: DekHockey33_28 Start: 16045, Stop: 18231, Start Num: 182

Candidate Starts for DekHockey33_28:

(Start: 115 @15868 has 1 MA's), (Start: 117 @15877 has 4 MA's), (Start: 182 @16045 has 15 MA's), (262, 16285), (263, 16291), (283, 16360), (299, 16417), (332, 16552), (334, 16561), (341, 16603), (350, 16651), (351, 16654), (374, 16765), (377, 16783), (404, 16888), (417, 16936), (486, 17041), (515, 17101), (546, 17155), (564, 17191), (582, 17215), (591, 17224), (617, 17287), (627, 17308), (632, 17323), (639, 17347), (646, 17359), (677, 17413), (690, 17434), (701, 17464), (754, 17635), (760, 17656), (792, 17740), (864, 18043), (889, 18166), (891, 18178),

Gene: Deloris_27 Start: 17042, Stop: 19579, Start Num: 103

Candidate Starts for Deloris_27:

(Start: 103 @17042 has 89 MA's), (170, 17222), (171, 17225), (195, 17273), (242, 17393), (249, 17414), (251, 17423), (261, 17444), (272, 17477), (279, 17510), (292, 17552), (305, 17603), (309, 17624), (314, 17648), (315, 17651), (318, 17669), (330, 17702), (332, 17714), (334, 17723), (337, 17744), (338, 17747), (354, 17834), (375, 17933), (385, 17975), (386, 17984), (388, 17993), (402, 18050), (419, 18116), (433, 18155), (534, 18461), (540, 18470), (542, 18476), (548, 18485), (558,

18506), (568, 18530), (578, 18551), (596, 18572), (597, 18578), (609, 18611), (612, 18623), (648, 18722), (673, 18782), (686, 18809), (712, 18872), (802, 19145), (806, 19154), (842, 19265), (847, 19295), (863, 19379),

Gene: Dexes_25 Start: 17027, Stop: 19498, Start Num: 106

Candidate Starts for Dexes_25:

(Start: 106 @17027 has 199 MA's), (119, 17066), (141, 17129), (Start: 151 @17159 has 22 MA's), (160, 17180), (174, 17201), (178, 17213), (186, 17231), (243, 17276), (255, 17321), (308, 17519), (314, 17552), (332, 17618), (381, 17873), (385, 17894), (390, 17921), (467, 18080), (490, 18116), (542, 18209), (552, 18230), (559, 18245), (569, 18266), (571, 18269), (606, 18338), (616, 18374), (630, 18407), (639, 18443), (655, 18473), (666, 18509), (693, 18575), (700, 18596), (734, 18737), (769, 18878), (778, 18899), (822, 19034), (852, 19211), (872, 19322), (885, 19409), (892, 19448), (896, 19478),

Gene: Dhanush_25 Start: 15888, Stop: 18488, Start Num: 104

Candidate Starts for Dhanush_25:

(Start: 104 @15888 has 113 MA's), (Start: 151 @16029 has 22 MA's), (Start: 162 @16047 has 10 MA's), (233, 16254), (245, 16293), (251, 16323), (284, 16440), (292, 16467), (308, 16530), (322, 16593), (334, 16638), (341, 16680), (357, 16764), (446, 17031), (474, 17082), (489, 17127), (519, 17205), (532, 17244), (582, 17340), (595, 17349), (614, 17412), (622, 17433), (657, 17523), (683, 17577), (700, 17625), (719, 17691), (750, 17856), (757, 17874), (803, 18000), (856, 18252), (857, 18255), (860, 18264), (872, 18324), (889, 18420), (896, 18468),

Gene: Dieselweasel_27 Start: 15980, Stop: 19006, Start Num: 40

Candidate Starts for Dieselweasel_27:

(31, 15926), (Start: 40 @15980 has 81 MA's), (56, 16094), (66, 16160), (67, 16163), (73, 16172), (84, 16208), (94, 16259), (118, 16331), (139, 16403), (183, 16523), (185, 16526), (207, 16595), (219, 16640), (251, 16733), (257, 16742), (263, 16760), (272, 16787), (288, 16850), (292, 16862), (301, 16895), (305, 16913), (318, 16979), (320, 16982), (322, 16988), (327, 17003), (330, 17012), (332, 17024), (334, 17033), (347, 17111), (351, 17126), (375, 17243), (376, 17246), (383, 17273), (385, 17285), (397, 17339), (402, 17360), (419, 17426), (433, 17465), (472, 17558), (484, 17606), (499, 17651), (512, 17699), (522, 17741), (526, 17750), (540, 17780), (541, 17783), (548, 17795), (573, 17852), (577, 17858), (595, 17879), (596, 17882), (642, 18020), (648, 18032), (673, 18092), (699, 18149), (734, 18287), (738, 18308), (742, 18332), (750, 18377), (757, 18395), (771, 18443), (775, 18455), (797, 18497), (811, 18560), (832, 18617), (841, 18686), (848, 18722), (864, 18803), (889, 18938),

Gene: Dignity_28 Start: 17064, Stop: 19607, Start Num: 103

Candidate Starts for Dignity_28:

(Start: 103 @17064 has 89 MA's), (170, 17244), (171, 17247), (240, 17415), (242, 17421), (249, 17442), (251, 17451), (257, 17460), (261, 17472), (275, 17517), (279, 17538), (292, 17580), (305, 17631), (314, 17676), (315, 17679), (318, 17697), (330, 17730), (332, 17742), (334, 17751), (337, 17772), (338, 17775), (354, 17862), (375, 17961), (385, 18003), (386, 18012), (388, 18021), (402, 18078), (419, 18144), (433, 18183), (470, 18270), (472, 18276), (481, 18312), (499, 18369), (518, 18435), (526, 18468), (531, 18483), (534, 18489), (540, 18498), (548, 18513), (558, 18534), (567, 18555), (577, 18576), (578, 18579), (595, 18597), (596, 18600), (612, 18651), (633, 18708), (637, 18726), (648, 18750), (673, 18810), (686, 18837), (712, 18900), (720, 18945), (749, 19083), (802, 19173), (806, 19182), (826, 19206), (840, 19284), (842, 19293), (847, 19323), (863, 19407),

Gene: DirtyDunning_25 Start: 15881, Stop: 18481, Start Num: 104

Candidate Starts for DirtyDunning_25:

(Start: 104 @15881 has 113 MA's), (Start: 151 @16022 has 22 MA's), (Start: 162 @16040 has 10 MA's), (233, 16247), (245, 16286), (251, 16316), (292, 16460), (308, 16523), (322, 16586), (334,

16631), (341, 16673), (357, 16757), (446, 17024), (474, 17075), (489, 17120), (519, 17198), (530, 17231), (532, 17237), (597, 17351), (614, 17405), (632, 17450), (655, 17510), (683, 17570), (719, 17684), (750, 17849), (757, 17867), (803, 17993), (856, 18245), (857, 18248), (860, 18257), (872, 18317), (889, 18413), (896, 18461),

Gene: Discoknowium_22 Start: 15358, Stop: 18699, Start Num: 1

Candidate Starts for Discoknowium_22:

(Start: 1 @15358 has 30 MA's), (37, 15796), (122, 16108), (144, 16186), (154, 16216), (175, 16273), (220, 16420), (222, 16426), (226, 16432), (263, 16558), (267, 16570), (308, 16720), (315, 16756), (322, 16786), (327, 16801), (334, 16831), (335, 16843), (340, 16867), (353, 16936), (371, 17002), (404, 17158), (423, 17227), (425, 17230), (438, 17257), (447, 17281), (512, 17419), (524, 17440), (549, 17485), (570, 17527), (650, 17719), (669, 17749), (677, 17773), (683, 17785), (693, 17806), (706, 17848), (726, 17935), (734, 17971), (739, 17992), (743, 18013), (762, 18091), (770, 18112), (776, 18133), (783, 18154), (792, 18175), (799, 18199), (816, 18262), (839, 18355), (842, 18373), (856, 18454), (860, 18466), (862, 18478), (864, 18487), (875, 18541), (888, 18625), (889, 18634),

Gene: Dixon_22 Start: 14547, Stop: 17624, Start Num: 9

Candidate Starts for Dixon_22:

(Start: 9 @14547 has 11 MA's), (16, 14631), (37, 14799), (42, 14823), (76, 14871), (111, 14991), (130, 15063), (187, 15213), (189, 15216), (191, 15222), (245, 15408), (262, 15468), (263, 15474), (282, 15540), (290, 15567), (293, 15582), (307, 15633), (308, 15636), (314, 15669), (322, 15702), (359, 15870), (396, 16053), (404, 16077), (414, 16125), (423, 16146), (425, 16149), (486, 16293), (514, 16350), (531, 16380), (557, 16419), (593, 16491), (609, 16521), (640, 16620), (653, 16650), (677, 16695), (693, 16728), (734, 16893), (739, 16914), (742, 16926), (760, 17007), (770, 17034), (783, 17076), (792, 17097), (799, 17121), (807, 17151), (816, 17184), (826, 17217), (839, 17277), (843, 17304), (863, 17403), (880, 17499), (883, 17520), (890, 17559), (900, 17607),

Gene: DontArgue_24 Start: 14083, Stop: 16779, Start Num: 145

Candidate Starts for DontArgue_24:

(52, 13720), (Start: 101 @13951 has 8 MA's), (145, 14083), (Start: 162 @14128 has 10 MA's), (193, 14206), (218, 14305), (254, 14413), (258, 14425), (266, 14452), (267, 14455), (274, 14488), (278, 14509), (294, 14566), (302, 14596), (305, 14611), (306, 14617), (311, 14638), (320, 14680), (332, 14743), (365, 14914), (373, 14965), (380, 15007), (391, 15061), (421, 15184), (439, 15238), (482, 15349), (485, 15364), (517, 15469), (528, 15505), (532, 15520), (545, 15541), (547, 15544), (566, 15589), (612, 15688), (614, 15697), (622, 15718), (628, 15730), (644, 15778), (657, 15808), (689, 15874), (718, 15973), (719, 15976), (734, 16051), (745, 16117), (750, 16141), (757, 16159), (769, 16210), (776, 16234), (798, 16288), (803, 16300), (812, 16330), (827, 16369), (870, 16600), (872, 16615), (886, 16693), (889, 16711), (896, 16759),

Gene: Doom_25 Start: 17148, Stop: 19628, Start Num: 106

Candidate Starts for Doom_25:

(Start: 106 @17148 has 199 MA's), (119, 17187), (141, 17250), (Start: 151 @17280 has 22 MA's), (174, 17322), (278, 17529), (284, 17547), (308, 17637), (322, 17700), (330, 17724), (332, 17736), (341, 17787), (451, 18171), (518, 18273), (529, 18312), (559, 18363), (619, 18492), (655, 18591), (693, 18693), (700, 18714), (705, 18726), (715, 18756), (733, 18852), (734, 18855), (746, 18918), (814, 19137), (823, 19170), (852, 19341), (872, 19452), (882, 19518), (885, 19539), (892, 19578), (894, 19593),

Gene: Dorothea_29 Start: 16736, Stop: 18940, Start Num: 124

Candidate Starts for Dorothea_29:

(65, 16577), (98, 16691), (Start: 124 @16736 has 42 MA's), (166, 16847), (206, 16961), (217, 17003), (256, 17126), (267, 17162), (276, 17189), (308, 17312), (314, 17345), (336, 17435), (349, 17504), (404, 17747), (495, 17885), (599, 18005), (701, 18158), (734, 18221), (743, 18263), (770, 18362),

(776, 18383), (783, 18404), (792, 18425), (806, 18476), (808, 18488), (813, 18503), (835, 18584), (847, 18662),

Gene: DrFeelGood_23 Start: 16492, Stop: 19152, Start Num: 106

Candidate Starts for DrFeelGood_23:

(Start: 106 @16492 has 199 MA's), (119, 16531), (141, 16594), (Start: 151 @16624 has 22 MA's), (174, 16666), (308, 16975), (322, 17038), (334, 17083), (339, 17107), (353, 17182), (356, 17194), (440, 17515), (555, 17845), (576, 17896), (586, 17923), (655, 18127), (695, 18241), (700, 18250), (708, 18271), (715, 18292), (734, 18391), (743, 18433), (744, 18436), (784, 18565), (810, 18649), (823, 18694), (872, 18976), (885, 19063), (892, 19102), (894, 19117),

Gene: Drake55_28 Start: 17129, Stop: 19636, Start Num: 103

Candidate Starts for Drake55_28:

(Start: 103 @17129 has 89 MA's), (141, 17240), (165, 17297), (238, 17453), (249, 17483), (251, 17492), (272, 17546), (279, 17579), (281, 17585), (327, 17765), (330, 17774), (333, 17789), (334, 17795), (337, 17816), (338, 17819), (341, 17837), (351, 17888), (352, 17897), (375, 18005), (385, 18047), (386, 18056), (397, 18101), (402, 18122), (419, 18188), (433, 18227), (499, 18413), (503, 18428), (508, 18455), (526, 18512), (531, 18527), (534, 18533), (540, 18542), (548, 18557), (558, 18578), (567, 18599), (578, 18623), (597, 18650), (600, 18656), (609, 18683), (642, 18782), (648, 18794), (686, 18881), (712, 18944), (720, 18989), (730, 19037), (739, 19073), (745, 19106), (782, 19169), (797, 19193), (843, 19337), (863, 19436), (879, 19523), (899, 19622),

Gene: Drake94_24 Start: 13780, Stop: 16512, Start Num: 101

Candidate Starts for Drake94_24:

(Start: 101 @13780 has 8 MA's), (Start: 162 @13957 has 10 MA's), (190, 14032), (196, 14044), (248, 14206), (254, 14227), (258, 14239), (267, 14269), (274, 14302), (285, 14347), (291, 14365), (294, 14380), (295, 14389), (302, 14410), (323, 14515), (332, 14557), (364, 14722), (396, 14884), (403, 14911), (482, 15088), (495, 15133), (517, 15208), (531, 15256), (532, 15259), (545, 15280), (547, 15283), (566, 15328), (606, 15403), (607, 15406), (612, 15427), (620, 15451), (644, 15517), (657, 15547), (668, 15559), (699, 15646), (705, 15661), (719, 15715), (734, 15790), (747, 15868), (750, 15880), (757, 15898), (766, 15937), (772, 15949), (776, 15961), (793, 16003), (798, 16015), (803, 16027), (807, 16042), (812, 16063), (818, 16075), (860, 16288), (872, 16348), (880, 16393), (889, 16444), (896, 16492),

Gene: DreamCatcher_27 Start: 17777, Stop: 20245, Start Num: 106

Candidate Starts for DreamCatcher_27:

(Start: 106 @17777 has 199 MA's), (112, 17792), (Start: 151 @17906 has 22 MA's), (160, 17927), (174, 17948), (186, 17978), (236, 18002), (243, 18023), (255, 18068), (308, 18266), (314, 18299), (332, 18365), (381, 18620), (385, 18641), (390, 18668), (467, 18827), (490, 18863), (542, 18956), (552, 18977), (559, 18992), (569, 19013), (571, 19016), (606, 19085), (616, 19121), (630, 19154), (639, 19190), (655, 19220), (666, 19256), (693, 19322), (700, 19343), (715, 19385), (734, 19484), (769, 19625), (778, 19646), (822, 19781), (852, 19958), (872, 20069), (885, 20156), (892, 20195), (896, 20225),

Gene: DreamTeam1_26 Start: 15742, Stop: 18648, Start Num: 54

Candidate Starts for DreamTeam1_26:

(Start: 23 @15553 has 1 MA's), (43, 15655), (Start: 54 @15742 has 33 MA's), (56, 15754), (88, 15886), (91, 15907), (97, 15928), (110, 15970), (Start: 113 @15982 has 22 MA's), (127, 16033), (148, 16096), (164, 16138), (185, 16195), (199, 16234), (253, 16405), (257, 16411), (287, 16516), (292, 16531), (302, 16570), (304, 16573), (318, 16648), (320, 16651), (334, 16702), (337, 16723), (338, 16726), (341, 16744), (375, 16912), (382, 16939), (385, 16954), (397, 17008), (402, 17029), (418, 17092), (419, 17095), (433, 17134), (472, 17227), (479, 17254), (512, 17368), (514, 17377), (528, 17422), (540, 17449), (558, 17485), (567, 17506), (573, 17521), (595, 17548), (596, 17551), (604,

17572), (613, 17605), (634, 17665), (648, 17701), (712, 17851), (720, 17896), (731, 17947), (745, 18013), (750, 18037), (757, 18055), (761, 18076), (766, 18094), (782, 18124), (797, 18157), (803, 18178), (809, 18208), (827, 18259), (841, 18337), (848, 18373), (857, 18424), (863, 18448), (876, 18523), (891, 18589), (897, 18631),

Gene: Dreamboat_25 Start: 16304, Stop: 18775, Start Num: 106

Candidate Starts for Dreamboat_25:

(Start: 106 @16304 has 199 MA's), (119, 16343), (141, 16406), (Start: 151 @16436 has 22 MA's), (160, 16457), (174, 16478), (186, 16508), (236, 16532), (255, 16598), (308, 16796), (314, 16829), (332, 16895), (381, 17150), (385, 17171), (390, 17198), (467, 17357), (490, 17393), (542, 17486), (552, 17507), (583, 17564), (630, 17684), (639, 17720), (655, 17750), (666, 17786), (693, 17852), (700, 17873), (734, 18014), (769, 18155), (778, 18176), (839, 18407), (852, 18488), (872, 18599), (885, 18686), (892, 18725), (896, 18755),

Gene: DroogsArmy_26 Start: 17266, Stop: 20634, Start Num: 17

Candidate Starts for DroogsArmy_26:

(Start: 17 @17266 has 4 MA's), (32, 17395), (41, 17449), (48, 17491), (75, 17653), (116, 17803), (147, 17905), (198, 18040), (261, 18238), (279, 18304), (287, 18331), (288, 18334), (292, 18346), (308, 18409), (309, 18418), (314, 18442), (322, 18472), (334, 18517), (338, 18541), (370, 18685), (375, 18727), (382, 18754), (385, 18769), (394, 18808), (397, 18823), (402, 18844), (416, 18901), (419, 18910), (421, 18919), (477, 19060), (500, 19138), (514, 19192), (534, 19255), (542, 19270), (558, 19300), (565, 19312), (566, 19315), (572, 19333), (577, 19342), (584, 19357), (587, 19375), (596, 19408), (603, 19426), (621, 19489), (638, 19555), (642, 19564), (644, 19567), (648, 19576), (649, 19579), (652, 19588), (656, 19597), (665, 19630), (668, 19642), (675, 19666), (689, 19696), (715, 19774), (717, 19786), (718, 19795), (719, 19798), (720, 19807), (722, 19816), (738, 19894), (742, 19918), (750, 19963), (757, 19981), (774, 20038), (780, 20056), (785, 20080), (790, 20089), (797, 20110), (803, 20131), (804, 20143), (809, 20164), (820, 20203), (829, 20236), (842, 20317), (848, 20350), (857, 20401), (862, 20422), (868, 20446), (879, 20512), (882, 20527), (883, 20533),

Gene: DropBear_25 Start: 15555, Stop: 18593, Start Num: 39

Candidate Starts for DropBear_25:

(Start: 39 @15555 has 32 MA's), (64, 15729), (67, 15741), (78, 15774), (139, 15984), (185, 16107), (195, 16128), (251, 16314), (272, 16368), (288, 16431), (292, 16443), (301, 16476), (305, 16494), (320, 16563), (322, 16569), (327, 16584), (330, 16593), (332, 16605), (334, 16614), (351, 16707), (375, 16824), (376, 16827), (383, 16854), (385, 16866), (397, 16920), (402, 16941), (406, 16962), (419, 17007), (433, 17046), (484, 17187), (499, 17232), (503, 17247), (522, 17322), (526, 17331), (540, 17361), (548, 17376), (549, 17379), (558, 17397), (567, 17418), (568, 17421), (577, 17439), (595, 17460), (596, 17463), (624, 17547), (648, 17613), (657, 17634), (673, 17673), (692, 17712), (712, 17763), (713, 17766), (715, 17775), (719, 17799), (734, 17868), (738, 17889), (750, 17958), (757, 17976), (771, 18024), (775, 18036), (797, 18078), (800, 18090), (810, 18138), (848, 18309), (852, 18339), (860, 18369), (864, 18390), (889, 18525), (891, 18537), (896, 18573),

Gene: Druantia_25 Start: 15886, Stop: 18486, Start Num: 104

Candidate Starts for Druantia_25:

(Start: 104 @15886 has 113 MA's), (Start: 151 @16027 has 22 MA's), (Start: 162 @16045 has 10 MA's), (233, 16252), (245, 16291), (251, 16321), (284, 16438), (292, 16465), (308, 16528), (322, 16591), (334, 16636), (341, 16678), (357, 16762), (446, 17029), (474, 17080), (489, 17125), (519, 17203), (532, 17242), (545, 17263), (614, 17410), (622, 17431), (632, 17455), (655, 17515), (657, 17521), (659, 17524), (683, 17575), (700, 17623), (719, 17689), (750, 17854), (757, 17872), (803, 17998), (856, 18250), (857, 18253), (860, 18262), (872, 18322), (889, 18418), (896, 18466),

Gene: Dublin_21 Start: 15212, Stop: 18550, Start Num: 1

Candidate Starts for Dublin_21:

(Start: 1 @15212 has 30 MA's), (37, 15650), (122, 15962), (130, 16004), (144, 16040), (154, 16070), (175, 16127), (204, 16211), (220, 16274), (222, 16280), (256, 16382), (262, 16400), (288, 16493), (308, 16568), (317, 16613), (322, 16631), (334, 16676), (337, 16697), (376, 16889), (389, 16949), (409, 17027), (425, 17075), (459, 17153), (514, 17279), (524, 17291), (533, 17315), (570, 17378), (650, 17570), (669, 17600), (677, 17624), (683, 17636), (706, 17699), (734, 17822), (739, 17843), (743, 17864), (762, 17942), (770, 17963), (783, 18005), (792, 18026), (803, 18062), (816, 18113), (825, 18143), (839, 18206), (842, 18224), (856, 18305), (860, 18317), (862, 18329), (864, 18338), (875, 18392), (888, 18476), (893, 18515),

Gene: DudeLittle_26 Start: 16690, Stop: 19233, Start Num: 103

Candidate Starts for DudeLittle_26:

(Start: 103 @16690 has 89 MA's), (168, 16867), (170, 16870), (171, 16873), (240, 17041), (242, 17047), (249, 17068), (251, 17077), (261, 17098), (272, 17131), (279, 17164), (305, 17257), (315, 17305), (318, 17323), (327, 17347), (330, 17356), (332, 17368), (333, 17371), (334, 17377), (337, 17398), (338, 17401), (354, 17488), (375, 17587), (385, 17629), (388, 17647), (400, 17695), (402, 17704), (419, 17770), (433, 17809), (499, 17995), (503, 18010), (512, 18043), (526, 18094), (534, 18115), (542, 18130), (548, 18139), (556, 18154), (595, 18223), (648, 18376), (657, 18397), (712, 18526), (720, 18571), (725, 18583), (730, 18619), (802, 18799), (806, 18808), (842, 18919), (847, 18949), (863, 19033),

Gene: Dulcie_23 Start: 16001, Stop: 18472, Start Num: 106

Candidate Starts for Dulcie_23:

(Start: 106 @16001 has 199 MA's), (119, 16040), (141, 16103), (Start: 151 @16133 has 22 MA's), (160, 16154), (174, 16175), (178, 16187), (186, 16205), (255, 16295), (267, 16331), (308, 16493), (314, 16526), (332, 16592), (381, 16847), (385, 16868), (390, 16895), (467, 17054), (490, 17090), (542, 17183), (552, 17204), (583, 17261), (630, 17381), (639, 17417), (655, 17447), (666, 17483), (693, 17549), (700, 17570), (734, 17711), (769, 17852), (778, 17873), (822, 18008), (852, 18185), (872, 18296), (882, 18362), (885, 18383), (892, 18422), (894, 18437),

Gene: Duplo_29 Start: 16546, Stop: 19059, Start Num: 103

Candidate Starts for Duplo_29:

(Start: 103 @16546 has 89 MA's), (170, 16726), (171, 16729), (272, 16975), (287, 17035), (292, 17050), (300, 17080), (301, 17083), (318, 17167), (327, 17191), (333, 17215), (337, 17242), (338, 17245), (360, 17350), (375, 17431), (382, 17458), (385, 17473), (397, 17527), (402, 17548), (419, 17614), (426, 17632), (429, 17641), (470, 17740), (479, 17773), (481, 17782), (499, 17839), (503, 17854), (534, 17959), (596, 18070), (600, 18082), (603, 18088), (612, 18121), (657, 18241), (712, 18370), (716, 18385), (720, 18415), (725, 18427), (730, 18463), (759, 18577), (771, 18589), (799, 18631), (858, 18838), (862, 18856), (863, 18859), (899, 19045),

Gene: Dussy_25 Start: 16660, Stop: 19059, Start Num: 106

Candidate Starts for Dussy_25:

(Start: 106 @16660 has 199 MA's), (119, 16699), (141, 16762), (Start: 151 @16792 has 22 MA's), (160, 16813), (174, 16834), (178, 16846), (186, 16864), (243, 16909), (255, 16954), (308, 17152), (314, 17185), (332, 17251), (381, 17506), (385, 17527), (390, 17554), (402, 17593), (423, 17650), (440, 17680), (542, 17842), (616, 17995), (625, 18007), (629, 18022), (679, 18139), (703, 18184), (709, 18205), (710, 18208), (746, 18358), (750, 18373), (769, 18439), (789, 18481), (839, 18691), (852, 18772), (872, 18883), (885, 18970), (892, 19009), (894, 19024),

Gene: DustyMartin_29 Start: 15937, Stop: 18492, Start Num: 162

Candidate Starts for DustyMartin_29:

(Start: 101 @15760 has 8 MA's), (Start: 162 @15937 has 10 MA's), (169, 15958), (193, 16015), (220, 16111), (225, 16120), (258, 16225), (266, 16252), (274, 16288), (294, 16366), (295, 16375), (302, 16396), (308, 16423), (323, 16501), (332, 16543), (364, 16708), (394, 16858), (396, 16870), (482,

17065), (517, 17185), (530, 17230), (531, 17233), (532, 17236), (545, 17257), (547, 17260), (566, 17305), (582, 17341), (597, 17359), (606, 17380), (614, 17413), (659, 17527), (689, 17590), (715, 17668), (719, 17692), (734, 17767), (745, 17833), (750, 17857), (757, 17875), (786, 17971), (798, 17995), (803, 18007), (807, 18022), (812, 18043), (818, 18055), (860, 18268), (868, 18304), (871, 18325), (872, 18328), (889, 18424), (896, 18472),

Gene: Dynamix_25 Start: 16399, Stop: 18876, Start Num: 107

Candidate Starts for Dynamix_25:

(Start: 107 @16399 has 8 MA's), (112, 16414), (Start: 151 @16528 has 22 MA's), (174, 16570), (278, 16777), (284, 16795), (308, 16885), (322, 16948), (330, 16972), (332, 16984), (341, 17035), (451, 17419), (518, 17521), (529, 17560), (549, 17587), (559, 17611), (619, 17740), (655, 17839), (693, 17941), (700, 17962), (715, 18004), (734, 18103), (746, 18166), (772, 18256), (814, 18385), (823, 18418), (852, 18589), (872, 18700), (882, 18766), (885, 18787), (892, 18826), (894, 18841),

Gene: EZMoney23_30 Start: 18597, Stop: 21101, Start Num: 103

Candidate Starts for EZMoney23_30:

(Start: 103 @18597 has 89 MA's), (141, 18708), (147, 18726), (165, 18765), (173, 18786), (Start: 182 @18810 has 15 MA's), (249, 18939), (251, 18948), (292, 19077), (305, 19128), (320, 19197), (322, 19203), (327, 19218), (330, 19227), (332, 19239), (334, 19248), (375, 19458), (382, 19485), (385, 19500), (397, 19554), (402, 19575), (419, 19641), (433, 19680), (499, 19866), (526, 19965), (531, 19980), (534, 19986), (540, 19995), (548, 20010), (558, 20031), (567, 20052), (595, 20094), (600, 20109), (609, 20136), (630, 20193), (633, 20205), (648, 20247), (673, 20307), (686, 20334), (699, 20364), (712, 20397), (720, 20442), (725, 20454), (799, 20661), (802, 20670), (806, 20679), (837, 20760), (842, 20790), (847, 20820), (863, 20901),

Gene: Eagle_24 Start: 16026, Stop: 18485, Start Num: 151

Candidate Starts for Eagle_24:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (276, 16404), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (582, 17337), (595, 17346), (614, 17409), (622, 17430), (633, 17457), (655, 17514), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: EagleEye_28 Start: 16836, Stop: 19898, Start Num: 5

Candidate Starts for EagleEye_28:

(Start: 5 @16836 has 3 MA's), (18, 17010), (Start: 35 @17127 has 1 MA's), (63, 17304), (Start: 108 @17460 has 1 MA's), (114, 17466), (154, 17568), (193, 17664), (220, 17772), (222, 17778), (263, 17892), (282, 17958), (290, 17985), (308, 18054), (314, 18087), (315, 18090), (335, 18177), (336, 18180), (351, 18258), (367, 18318), (376, 18378), (469, 18612), (494, 18642), (495, 18645), (506, 18669), (572, 18798), (652, 18975), (658, 18987), (734, 19182), (739, 19203), (760, 19296), (770, 19323), (776, 19344), (783, 19365), (844, 19605), (847, 19623), (858, 19680), (880, 19791),

Gene: Eaglepride_26 Start: 15877, Stop: 18447, Start Num: 162

Candidate Starts for Eaglepride_26:

(Start: 101 @15700 has 8 MA's), (Start: 162 @15877 has 10 MA's), (193, 15955), (213, 16030), (218, 16054), (225, 16069), (248, 16141), (258, 16174), (261, 16183), (270, 16216), (274, 16237), (288, 16291), (291, 16300), (294, 16315), (295, 16324), (302, 16345), (318, 16426), (323, 16450), (370, 16690), (403, 16849), (404, 16852), (495, 17068), (517, 17143), (531, 17191), (532, 17194), (545, 17215), (547, 17218), (582, 17299), (595, 17308), (606, 17338), (620, 17386), (622, 17392), (659, 17485), (704, 17593), (715, 17626), (717, 17638), (719, 17650), (722, 17668), (734, 17725), (745, 17791), (750, 17815), (757, 17833), (761, 17854), (766, 17872), (777, 17905), (786, 17926), (803,

17962), (812, 17998), (818, 18010), (860, 18223), (872, 18283), (889, 18379), (896, 18427),

Gene: Eapen_25 Start: 16025, Stop: 18484, Start Num: 151

Candidate Starts for Eapen_25:

(Start: 104 @15884 has 113 MA's), (Start: 151 @16025 has 22 MA's), (Start: 162 @16043 has 10 MA's), (233, 16250), (245, 16289), (251, 16319), (284, 16436), (292, 16463), (308, 16526), (322, 16589), (334, 16634), (341, 16676), (357, 16760), (446, 17027), (474, 17078), (489, 17123), (519, 17201), (532, 17240), (614, 17408), (622, 17429), (632, 17453), (657, 17519), (683, 17573), (700, 17621), (719, 17687), (750, 17852), (757, 17870), (803, 17996), (856, 18248), (857, 18251), (860, 18260), (872, 18320), (889, 18416), (896, 18464),

Gene: Ebony_26 Start: 17224, Stop: 19752, Start Num: 120

Candidate Starts for Ebony_26:

(Start: 113 @17206 has 22 MA's), (Start: 120 @17224 has 2 MA's), (186, 17398), (194, 17407), (217, 17482), (245, 17536), (260, 17590), (264, 17605), (265, 17608), (272, 17626), (288, 17689), (292, 17701), (308, 17764), (322, 17827), (327, 17842), (330, 17851), (334, 17872), (338, 17896), (341, 17911), (359, 17998), (361, 18001), (366, 18016), (370, 18037), (372, 18049), (381, 18115), (389, 18157), (395, 18178), (396, 18187), (404, 18211), (436, 18292), (439, 18301), (443, 18313), (466, 18355), (497, 18412), (515, 18466), (560, 18574), (575, 18613), (628, 18754), (674, 18850), (681, 18871), (694, 18904), (711, 18937), (713, 18940), (733, 19024), (743, 19069), (744, 19072), (772, 19186), (783, 19219), (806, 19291), (816, 19327), (835, 19399), (847, 19477), (857, 19531), (863, 19555), (886, 19666),

Gene: Echild_26 Start: 16721, Stop: 19258, Start Num: 103

Candidate Starts for Echild_26:

(Start: 103 @16721 has 89 MA's), (170, 16901), (Start: 182 @16934 has 15 MA's), (240, 17066), (242, 17072), (249, 17093), (251, 17102), (279, 17189), (292, 17231), (305, 17282), (313, 17318), (315, 17330), (318, 17348), (330, 17381), (332, 17393), (333, 17396), (334, 17402), (337, 17423), (338, 17426), (375, 17612), (385, 17654), (386, 17663), (388, 17672), (402, 17729), (419, 17795), (433, 17834), (486, 17987), (534, 18140), (540, 18149), (542, 18155), (548, 18164), (558, 18185), (568, 18209), (578, 18230), (596, 18251), (609, 18290), (612, 18302), (648, 18401), (673, 18461), (686, 18488), (712, 18551), (720, 18596), (730, 18644), (802, 18824), (806, 18833), (842, 18944), (847, 18974), (863, 19058),

Gene: Edison31_25 Start: 15727, Stop: 18456, Start Num: 101

Candidate Starts for Edison31_25:

(Start: 101 @15727 has 8 MA's), (Start: 162 @15904 has 10 MA's), (169, 15925), (178, 15949), (190, 15979), (193, 15982), (196, 15991), (207, 16030), (213, 16045), (218, 16069), (236, 16114), (248, 16156), (258, 16189), (261, 16198), (274, 16252), (288, 16306), (291, 16315), (295, 16339), (302, 16360), (323, 16465), (332, 16507), (482, 17029), (517, 17149), (530, 17194), (531, 17197), (532, 17200), (547, 17224), (566, 17269), (582, 17305), (606, 17344), (614, 17377), (659, 17491), (715, 17632), (719, 17656), (734, 17731), (745, 17797), (750, 17821), (757, 17839), (776, 17905), (798, 17959), (803, 17971), (807, 17986), (812, 18007), (818, 18019), (860, 18232), (868, 18268), (871, 18289), (872, 18292), (889, 18388), (896, 18436),

Gene: EdogawaKiddo_25 Start: 17590, Stop: 20499, Start Num: 54

Candidate Starts for EdogawaKiddo_25:

(Start: 54 @17590 has 33 MA's), (56, 17602), (66, 17662), (127, 17884), (148, 17947), (164, 17989), (185, 18046), (199, 18085), (253, 18256), (257, 18262), (262, 18277), (287, 18367), (288, 18370), (292, 18382), (304, 18424), (314, 18478), (334, 18553), (337, 18574), (338, 18577), (341, 18595), (353, 18658), (371, 18724), (375, 18763), (382, 18790), (385, 18805), (391, 18835), (397, 18859), (402, 18880), (419, 18946), (433, 18985), (455, 19051), (472, 19078), (479, 19105), (499, 19171), (511, 19216), (534, 19291), (558, 19336), (567, 19357), (577, 19378), (578, 19381), (595, 19399),

(596, 19402), (606, 19429), (613, 19456), (633, 19510), (712, 19702), (716, 19717), (720, 19747), (731, 19798), (749, 19885), (751, 19894), (766, 19945), (797, 20008), (803, 20029), (810, 20065), (826, 20101), (827, 20107), (841, 20185), (846, 20212), (857, 20272), (872, 20341), (876, 20371), (882, 20398), (891, 20437), (897, 20479),

Gene: Edtherson_25 Start: 17152, Stop: 19623, Start Num: 106

Candidate Starts for Edtherson_25:

(Start: 106 @17152 has 199 MA's), (119, 17191), (141, 17254), (Start: 151 @17284 has 22 MA's), (160, 17305), (174, 17326), (178, 17338), (186, 17356), (255, 17446), (308, 17644), (314, 17677), (332, 17743), (381, 17998), (385, 18019), (390, 18046), (402, 18085), (423, 18142), (440, 18172), (467, 18205), (490, 18241), (542, 18334), (552, 18355), (583, 18412), (630, 18532), (639, 18568), (655, 18598), (666, 18634), (693, 18700), (700, 18721), (715, 18763), (734, 18862), (769, 19003), (778, 19024), (839, 19255), (852, 19336), (872, 19447), (885, 19534), (892, 19573), (896, 19603),

Gene: Eidsmoe_27 Start: 17620, Stop: 20529, Start Num: 54

Candidate Starts for Eidsmoe_27:

(Start: 54 @17620 has 33 MA's), (56, 17632), (66, 17692), (127, 17914), (148, 17977), (164, 18019), (183, 18073), (185, 18076), (199, 18115), (253, 18286), (257, 18292), (262, 18307), (287, 18397), (288, 18400), (292, 18412), (304, 18454), (314, 18508), (318, 18529), (334, 18583), (337, 18604), (338, 18607), (341, 18625), (353, 18688), (371, 18754), (375, 18793), (382, 18820), (385, 18835), (391, 18865), (397, 18889), (400, 18901), (402, 18910), (419, 18976), (433, 19015), (455, 19081), (472, 19108), (479, 19135), (511, 19246), (534, 19321), (548, 19345), (558, 19366), (567, 19387), (577, 19408), (578, 19411), (595, 19429), (596, 19432), (606, 19459), (626, 19519), (635, 19549), (648, 19582), (662, 19612), (668, 19624), (712, 19732), (716, 19747), (720, 19777), (731, 19828), (749, 19915), (751, 19924), (766, 19975), (797, 20038), (803, 20059), (810, 20095), (826, 20131), (827, 20137), (841, 20215), (846, 20242), (872, 20371), (876, 20401), (882, 20428), (891, 20467), (897, 20509),

Gene: EITiger69_22 Start: 15089, Stop: 17902, Start Num: 2

Candidate Starts for EITiger69_22:

(Start: 2 @15089 has 8 MA's), (10, 15278), (122, 15761), (123, 15767), (202, 15860), (222, 15911), (239, 15947), (266, 16037), (282, 16103), (288, 16124), (308, 16199), (314, 16232), (330, 16286), (335, 16319), (336, 16322), (338, 16331), (357, 16430), (368, 16463), (389, 16592), (448, 16757), (465, 16790), (496, 16823), (562, 16904), (568, 16916), (590, 16949), (645, 17036), (672, 17069), (683, 17081), (706, 17111), (734, 17174), (743, 17216), (760, 17288), (770, 17315), (773, 17330), (783, 17357), (792, 17378), (816, 17465), (825, 17495), (839, 17558), (856, 17657), (860, 17669), (862, 17681), (864, 17690), (889, 17837),

Gene: Elephantoon_27 Start: 17214, Stop: 20141, Start Num: 54

Candidate Starts for Elephantoon_27:

(Start: 54 @17214 has 33 MA's), (56, 17226), (63, 17262), (66, 17286), (127, 17508), (148, 17571), (164, 17613), (183, 17667), (185, 17670), (253, 17883), (257, 17889), (262, 17904), (287, 17994), (288, 17997), (292, 18009), (302, 18048), (314, 18105), (332, 18171), (334, 18180), (337, 18201), (338, 18204), (341, 18222), (353, 18285), (375, 18390), (376, 18393), (377, 18402), (382, 18417), (385, 18432), (397, 18486), (402, 18507), (418, 18570), (419, 18573), (433, 18612), (472, 18705), (534, 18918), (558, 18963), (577, 19005), (595, 19026), (596, 19029), (604, 19050), (615, 19095), (637, 19155), (648, 19179), (673, 19239), (674, 19242), (700, 19299), (712, 19329), (715, 19341), (719, 19365), (720, 19374), (734, 19440), (745, 19506), (750, 19530), (797, 19650), (803, 19671), (810, 19707), (827, 19749), (830, 19764), (841, 19827), (846, 19854), (857, 19914), (876, 20013), (886, 20049), (891, 20079), (897, 20121),

Gene: EmyBug_27 Start: 17620, Stop: 20529, Start Num: 54

Candidate Starts for EmyBug_27:

(Start: 54 @17620 has 33 MA's), (56, 17632), (66, 17692), (127, 17914), (148, 17977), (164, 18019), (183, 18073), (185, 18076), (199, 18115), (253, 18286), (257, 18292), (262, 18307), (287, 18397), (288, 18400), (292, 18412), (304, 18454), (314, 18508), (318, 18529), (334, 18583), (337, 18604), (338, 18607), (341, 18625), (353, 18688), (371, 18754), (375, 18793), (382, 18820), (385, 18835), (391, 18865), (397, 18889), (400, 18901), (402, 18910), (419, 18976), (433, 19015), (455, 19081), (472, 19108), (479, 19135), (511, 19246), (534, 19321), (558, 19366), (567, 19387), (577, 19408), (578, 19411), (595, 19429), (596, 19432), (606, 19459), (613, 19486), (633, 19540), (712, 19732), (716, 19747), (720, 19777), (731, 19828), (749, 19915), (751, 19924), (766, 19975), (797, 20038), (803, 20059), (810, 20095), (826, 20131), (827, 20137), (841, 20215), (846, 20242), (872, 20371), (876, 20401), (882, 20428), (891, 20467), (897, 20509),

Gene: EpicPhail_27 Start: 15979, Stop: 19005, Start Num: 40

Candidate Starts for EpicPhail_27:

(31, 15925), (Start: 40 @15979 has 81 MA's), (56, 16093), (66, 16159), (67, 16162), (73, 16171), (84, 16207), (94, 16258), (118, 16330), (139, 16402), (183, 16522), (185, 16525), (207, 16594), (219, 16639), (251, 16732), (257, 16741), (263, 16759), (272, 16786), (288, 16849), (292, 16861), (301, 16894), (305, 16912), (318, 16978), (320, 16981), (322, 16987), (327, 17002), (330, 17011), (332, 17023), (334, 17032), (347, 17110), (351, 17125), (375, 17242), (376, 17245), (383, 17272), (385, 17284), (397, 17338), (402, 17359), (419, 17425), (433, 17464), (472, 17557), (484, 17605), (499, 17650), (512, 17698), (522, 17740), (526, 17749), (540, 17779), (541, 17782), (548, 17794), (573, 17851), (577, 17857), (595, 17878), (596, 17881), (642, 18019), (648, 18031), (673, 18091), (699, 18148), (734, 18286), (738, 18307), (742, 18331), (750, 18376), (757, 18394), (771, 18442), (775, 18454), (797, 18496), (811, 18559), (832, 18616), (841, 18685), (848, 18721), (864, 18802), (889, 18937),

Gene: Epsocamisio_28 Start: 15923, Stop: 18109, Start Num: 182

Candidate Starts for Epsocamisio_28:

(Start: 115 @15746 has 1 MA's), (Start: 117 @15755 has 4 MA's), (Start: 182 @15923 has 15 MA's), (262, 16163), (263, 16169), (283, 16238), (299, 16295), (334, 16439), (341, 16481), (350, 16529), (351, 16532), (374, 16643), (377, 16661), (404, 16766), (417, 16814), (486, 16919), (515, 16979), (546, 17033), (564, 17069), (582, 17093), (591, 17102), (617, 17165), (627, 17186), (632, 17201), (639, 17225), (646, 17237), (677, 17291), (690, 17312), (701, 17342), (754, 17513), (760, 17534), (792, 17618), (864, 17921), (889, 18044), (891, 18056),

Gene: Equemioh13_28 Start: 17115, Stop: 19622, Start Num: 103

Candidate Starts for Equemioh13_28:

(Start: 103 @17115 has 89 MA's), (141, 17226), (165, 17283), (249, 17469), (272, 17532), (279, 17565), (281, 17571), (327, 17751), (330, 17760), (334, 17781), (337, 17802), (338, 17805), (341, 17823), (352, 17883), (375, 17991), (385, 18033), (397, 18087), (402, 18108), (418, 18171), (419, 18174), (426, 18192), (433, 18213), (499, 18399), (503, 18414), (508, 18441), (526, 18498), (531, 18513), (534, 18519), (540, 18528), (542, 18534), (558, 18564), (567, 18585), (596, 18630), (597, 18636), (609, 18669), (615, 18696), (642, 18768), (648, 18780), (673, 18840), (686, 18867), (712, 18930), (720, 18975), (725, 18987), (730, 19023), (739, 19059), (745, 19092), (782, 19155), (797, 19179), (843, 19323), (863, 19422), (879, 19509), (899, 19608),

Gene: EricB_29 Start: 16728, Stop: 18932, Start Num: 124

Candidate Starts for EricB_29:

(65, 16569), (98, 16683), (Start: 124 @16728 has 42 MA's), (166, 16839), (168, 16845), (206, 16953), (217, 16995), (239, 17061), (267, 17154), (276, 17181), (308, 17304), (314, 17337), (336, 17427), (349, 17496), (404, 17739), (495, 17877), (599, 17997), (701, 18150), (734, 18213), (743, 18255), (770, 18354), (776, 18375), (783, 18396), (792, 18417), (806, 18468), (808, 18480), (813, 18495), (835, 18576), (847, 18654),

Gene: Eris_24 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Eris_24:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (655, 17514), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Eros_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Eros_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (530, 17235), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (657, 17520), (659, 17523), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Espresso_24 Start: 16449, Stop: 18920, Start Num: 106

Candidate Starts for Espresso_24:

(Start: 106 @16449 has 199 MA's), (119, 16488), (141, 16551), (Start: 151 @16581 has 22 MA's), (160, 16602), (174, 16623), (186, 16653), (236, 16677), (255, 16743), (308, 16941), (314, 16974), (332, 17040), (381, 17295), (385, 17316), (390, 17343), (467, 17502), (490, 17538), (542, 17631), (552, 17652), (559, 17667), (569, 17688), (571, 17691), (606, 17760), (616, 17796), (630, 17829), (639, 17865), (655, 17895), (666, 17931), (693, 17997), (700, 18018), (734, 18159), (769, 18300), (778, 18321), (822, 18456), (852, 18633), (872, 18744), (882, 18810), (885, 18831), (892, 18870), (894, 18885),

Gene: Et2Brutus_25 Start: 17166, Stop: 19712, Start Num: 113

Candidate Starts for Et2Brutus_25:

(Start: 113 @17166 has 22 MA's), (Start: 120 @17184 has 2 MA's), (186, 17358), (194, 17367), (217, 17442), (245, 17496), (260, 17550), (264, 17565), (265, 17568), (272, 17586), (288, 17649), (292, 17661), (308, 17724), (322, 17787), (327, 17802), (330, 17811), (334, 17832), (338, 17856), (341, 17871), (359, 17958), (361, 17961), (366, 17976), (370, 17997), (372, 18009), (381, 18075), (395, 18138), (396, 18147), (404, 18171), (436, 18252), (439, 18261), (443, 18273), (466, 18315), (497, 18372), (515, 18426), (560, 18534), (575, 18573), (628, 18714), (674, 18810), (681, 18831), (694, 18864), (711, 18897), (713, 18900), (733, 18984), (743, 19029), (744, 19032), (772, 19146), (783, 19179), (806, 19251), (816, 19287), (835, 19359), (847, 19437), (857, 19491), (863, 19515), (886, 19626),

Gene: Euphoria_24 Start: 16340, Stop: 18808, Start Num: 106

Candidate Starts for Euphoria_24:

(Start: 106 @16340 has 199 MA's), (112, 16355), (Start: 151 @16469 has 22 MA's), (160, 16490), (174, 16511), (186, 16541), (236, 16565), (255, 16631), (308, 16829), (314, 16862), (332, 16928), (381, 17183), (385, 17204), (390, 17231), (467, 17390), (490, 17426), (542, 17519), (552, 17540), (559, 17555), (569, 17576), (571, 17579), (606, 17648), (616, 17684), (630, 17717), (639, 17753), (655, 17783), (666, 17819), (693, 17885), (700, 17906), (734, 18047), (769, 18188), (778, 18209), (822, 18344), (852, 18521), (872, 18632), (882, 18698), (885, 18719), (892, 18758), (894, 18773),

Gene: Eurydice_25 Start: 15882, Stop: 18482, Start Num: 104

Candidate Starts for Eurydice_25:

(Start: 104 @15882 has 113 MA's), (Start: 151 @16023 has 22 MA's), (Start: 162 @16041 has 10 MA's), (233, 16248), (245, 16287), (251, 16317), (284, 16434), (292, 16461), (308, 16524), (322,

16587), (334, 16632), (341, 16674), (357, 16758), (412, 16965), (446, 17025), (474, 17076), (489, 17121), (519, 17199), (530, 17232), (532, 17238), (614, 17406), (622, 17427), (632, 17451), (655, 17511), (657, 17517), (659, 17520), (683, 17571), (700, 17619), (719, 17685), (750, 17850), (757, 17868), (803, 17994), (856, 18246), (857, 18249), (860, 18258), (872, 18318), (889, 18414), (896, 18462),

Gene: EvilGenius_28 Start: 17032, Stop: 19575, Start Num: 103

Candidate Starts for EvilGenius_28:

(Start: 103 @17032 has 89 MA's), (168, 17209), (170, 17212), (171, 17215), (238, 17380), (242, 17389), (249, 17410), (251, 17419), (261, 17440), (272, 17473), (279, 17506), (292, 17548), (305, 17599), (308, 17611), (314, 17644), (315, 17647), (318, 17665), (330, 17698), (332, 17710), (334, 17719), (337, 17740), (338, 17743), (375, 17929), (385, 17971), (386, 17980), (388, 17989), (402, 18046), (419, 18112), (433, 18151), (472, 18244), (481, 18280), (499, 18337), (518, 18403), (526, 18436), (531, 18451), (534, 18457), (540, 18466), (548, 18481), (558, 18502), (567, 18523), (577, 18544), (578, 18547), (595, 18565), (596, 18568), (609, 18607), (612, 18619), (633, 18676), (637, 18694), (648, 18718), (673, 18778), (686, 18805), (712, 18868), (749, 19051), (799, 19132), (802, 19141), (806, 19150), (842, 19261), (847, 19291), (863, 19375),

Gene: Expelliarmus_21 Start: 14514, Stop: 17591, Start Num: 9

Candidate Starts for Expelliarmus_21:

(Start: 9 @14514 has 11 MA's), (16, 14598), (37, 14766), (42, 14790), (76, 14838), (111, 14958), (130, 15030), (187, 15180), (189, 15183), (191, 15189), (245, 15375), (262, 15435), (263, 15441), (282, 15507), (290, 15534), (293, 15549), (307, 15600), (308, 15603), (314, 15636), (322, 15669), (359, 15837), (396, 16020), (404, 16044), (414, 16092), (423, 16113), (425, 16116), (486, 16260), (514, 16317), (531, 16347), (557, 16386), (593, 16458), (609, 16488), (640, 16587), (653, 16617), (677, 16662), (734, 16860), (739, 16881), (742, 16893), (770, 17001), (792, 17064), (799, 17088), (807, 17118), (816, 17151), (826, 17184), (839, 17244), (843, 17271), (863, 17370), (864, 17376), (880, 17466), (883, 17487), (890, 17526), (900, 17574),

Gene: ExplosioNervosa_27 Start: 17623, Stop: 20532, Start Num: 54

Candidate Starts for ExplosioNervosa_27:

(Start: 54 @17623 has 33 MA's), (56, 17635), (66, 17695), (110, 17854), (127, 17917), (148, 17980), (164, 18022), (185, 18079), (199, 18118), (253, 18289), (257, 18295), (262, 18310), (287, 18400), (288, 18403), (292, 18415), (304, 18457), (314, 18511), (334, 18586), (337, 18607), (338, 18610), (341, 18628), (353, 18691), (371, 18757), (375, 18796), (382, 18823), (385, 18838), (391, 18868), (397, 18892), (400, 18904), (402, 18913), (419, 18979), (433, 19018), (455, 19084), (472, 19111), (479, 19138), (511, 19249), (534, 19324), (558, 19369), (567, 19390), (577, 19411), (578, 19414), (595, 19432), (596, 19435), (606, 19462), (613, 19489), (633, 19543), (712, 19735), (716, 19750), (720, 19780), (731, 19831), (749, 19918), (751, 19927), (766, 19978), (797, 20041), (803, 20062), (810, 20098), (826, 20134), (827, 20140), (841, 20218), (846, 20245), (857, 20305), (872, 20374), (876, 20404), (882, 20431), (891, 20470), (897, 20512),

Gene: Eyeball_24 Start: 16155, Stop: 18635, Start Num: 106

Candidate Starts for Eyeball_24:

(Start: 106 @16155 has 199 MA's), (119, 16194), (141, 16257), (Start: 151 @16287 has 22 MA's), (174, 16329), (278, 16536), (284, 16554), (308, 16644), (322, 16707), (330, 16731), (332, 16743), (341, 16794), (451, 17178), (518, 17280), (529, 17319), (549, 17346), (559, 17370), (619, 17499), (655, 17598), (693, 17700), (700, 17721), (705, 17733), (715, 17763), (734, 17862), (746, 17925), (772, 18015), (814, 18144), (823, 18177), (872, 18459), (885, 18546), (892, 18585), (894, 18600),

Gene: Fajezeel_26 Start: 16674, Stop: 19145, Start Num: 106

Candidate Starts for Fajezeel_26:

(Start: 106 @16674 has 199 MA's), (119, 16713), (141, 16776), (Start: 151 @16806 has 22 MA's), (160, 16827), (174, 16848), (178, 16860), (186, 16878), (236, 16902), (275, 17040), (284, 17076), (308, 17166), (314, 17199), (332, 17265), (381, 17520), (385, 17541), (390, 17568), (395, 17583), (423, 17664), (467, 17727), (490, 17763), (542, 17856), (552, 17877), (559, 17892), (569, 17913), (571, 17916), (606, 17985), (616, 18021), (630, 18054), (639, 18090), (655, 18120), (666, 18156), (693, 18222), (700, 18243), (734, 18384), (769, 18525), (778, 18546), (822, 18681), (852, 18858), (872, 18969), (882, 19035), (885, 19056), (892, 19095), (894, 19110),

Gene: Fameo_26 Start: 16665, Stop: 19202, Start Num: 103

Candidate Starts for Fameo_26:

(Start: 103 @16665 has 89 MA's), (168, 16842), (170, 16845), (171, 16848), (240, 17010), (242, 17016), (249, 17037), (251, 17046), (261, 17067), (272, 17100), (279, 17133), (305, 17226), (315, 17274), (318, 17292), (330, 17325), (332, 17337), (333, 17340), (334, 17346), (337, 17367), (338, 17370), (375, 17556), (385, 17598), (386, 17607), (400, 17664), (402, 17673), (419, 17739), (433, 17778), (472, 17871), (477, 17889), (499, 17964), (526, 18063), (531, 18078), (534, 18084), (540, 18093), (548, 18108), (558, 18129), (567, 18150), (578, 18174), (596, 18195), (597, 18201), (609, 18234), (612, 18246), (614, 18255), (648, 18345), (673, 18405), (686, 18432), (712, 18495), (720, 18540), (749, 18678), (802, 18768), (806, 18777), (842, 18888), (847, 18918), (863, 19002),

Gene: Farber_27 Start: 15972, Stop: 18998, Start Num: 40

Candidate Starts for Farber_27:

(31, 15918), (Start: 40 @15972 has 81 MA's), (56, 16086), (66, 16152), (67, 16155), (73, 16164), (84, 16200), (94, 16251), (118, 16323), (139, 16395), (183, 16515), (185, 16518), (207, 16587), (219, 16632), (251, 16725), (257, 16734), (263, 16752), (272, 16779), (288, 16842), (292, 16854), (301, 16887), (305, 16905), (318, 16971), (320, 16974), (322, 16980), (327, 16995), (330, 17004), (332, 17016), (334, 17025), (351, 17118), (375, 17235), (376, 17238), (383, 17265), (385, 17277), (397, 17331), (402, 17352), (419, 17418), (429, 17445), (472, 17550), (484, 17598), (499, 17643), (512, 17691), (522, 17733), (526, 17742), (540, 17772), (541, 17775), (548, 17787), (573, 17844), (577, 17850), (595, 17871), (596, 17874), (642, 18012), (648, 18024), (673, 18084), (700, 18144), (712, 18174), (713, 18177), (715, 18186), (734, 18279), (750, 18369), (771, 18435), (775, 18447), (797, 18489), (811, 18552), (832, 18609), (841, 18678), (848, 18714), (864, 18795), (889, 18930),

Gene: Fascinus_23 Start: 16097, Stop: 18676, Start Num: 106

Candidate Starts for Fascinus_23:

(Start: 106 @16097 has 199 MA's), (119, 16136), (141, 16199), (Start: 151 @16229 has 22 MA's), (270, 16448), (279, 16484), (322, 16652), (334, 16697), (338, 16721), (341, 16739), (410, 17051), (477, 17207), (513, 17309), (525, 17342), (562, 17414), (583, 17453), (619, 17540), (655, 17639), (693, 17741), (700, 17762), (705, 17774), (715, 17804), (734, 17903), (746, 17966), (772, 18056), (814, 18185), (823, 18218), (872, 18500), (885, 18587), (892, 18626), (894, 18641),

Gene: Fayely_27 Start: 17623, Stop: 20532, Start Num: 54

Candidate Starts for Fayely_27:

(Start: 54 @17623 has 33 MA's), (56, 17635), (66, 17695), (110, 17854), (127, 17917), (148, 17980), (164, 18022), (185, 18079), (253, 18289), (257, 18295), (262, 18310), (287, 18400), (288, 18403), (292, 18415), (304, 18457), (314, 18511), (334, 18586), (337, 18607), (338, 18610), (341, 18628), (353, 18691), (371, 18757), (375, 18796), (382, 18823), (385, 18838), (391, 18868), (397, 18892), (400, 18904), (402, 18913), (419, 18979), (433, 19018), (455, 19084), (472, 19111), (479, 19138), (499, 19204), (511, 19249), (534, 19324), (558, 19369), (567, 19390), (577, 19411), (578, 19414), (595, 19432), (596, 19435), (606, 19462), (633, 19543), (648, 19585), (712, 19735), (716, 19750), (720, 19780), (731, 19831), (749, 19918), (751, 19927), (766, 19978), (797, 20041), (803, 20062), (810, 20098), (826, 20134), (827, 20140), (841, 20218), (846, 20245), (857, 20305), (872, 20374), (876, 20404), (882, 20431), (891, 20470), (897, 20512),

Gene: Fenn_25 Start: 17895, Stop: 20510, Start Num: 106

Candidate Starts for Fenn_25:

(Start: 106 @17895 has 199 MA's), (119, 17934), (141, 17997), (143, 18003), (Start: 151 @18027 has 22 MA's), (243, 18135), (292, 18306), (307, 18366), (308, 18369), (335, 18492), (341, 18522), (353, 18585), (404, 18804), (430, 18876), (450, 18924), (475, 18969), (550, 19194), (555, 19203), (569, 19239), (586, 19281), (655, 19485), (695, 19599), (700, 19608), (708, 19629), (715, 19650), (734, 19749), (743, 19791), (744, 19794), (784, 19923), (810, 20007), (823, 20052), (872, 20334), (882, 20400), (885, 20421), (892, 20460), (894, 20475),

Gene: Fernando_27 Start: 15978, Stop: 19004, Start Num: 40

Candidate Starts for Fernando_27:

(31, 15924), (Start: 40 @15978 has 81 MA's), (56, 16092), (66, 16158), (67, 16161), (73, 16170), (84, 16206), (94, 16257), (118, 16329), (139, 16401), (183, 16521), (185, 16524), (207, 16593), (219, 16638), (251, 16731), (257, 16740), (263, 16758), (272, 16785), (288, 16848), (292, 16860), (301, 16893), (305, 16911), (318, 16977), (320, 16980), (322, 16986), (327, 17001), (330, 17010), (332, 17022), (334, 17031), (347, 17109), (351, 17124), (375, 17241), (376, 17244), (383, 17271), (385, 17283), (397, 17337), (402, 17358), (419, 17424), (433, 17463), (472, 17556), (484, 17604), (499, 17649), (512, 17697), (522, 17739), (526, 17748), (540, 17778), (541, 17781), (548, 17793), (573, 17850), (577, 17856), (595, 17877), (596, 17880), (642, 18018), (648, 18030), (673, 18090), (699, 18147), (734, 18285), (738, 18306), (742, 18330), (750, 18375), (757, 18393), (771, 18441), (775, 18453), (797, 18495), (811, 18558), (832, 18615), (841, 18684), (848, 18720), (864, 18801), (889, 18936),

Gene: Fibonacci_26 Start: 17160, Stop: 19706, Start Num: 113

Candidate Starts for Fibonacci_26:

(Start: 113 @17160 has 22 MA's), (Start: 120 @17178 has 2 MA's), (186, 17352), (194, 17361), (217, 17436), (260, 17544), (264, 17559), (265, 17562), (272, 17580), (288, 17643), (292, 17655), (308, 17718), (322, 17781), (327, 17796), (330, 17805), (334, 17826), (338, 17850), (341, 17865), (359, 17952), (361, 17955), (366, 17970), (370, 17991), (372, 18003), (381, 18069), (389, 18111), (395, 18132), (396, 18141), (404, 18165), (436, 18246), (439, 18255), (443, 18267), (466, 18309), (497, 18366), (515, 18420), (560, 18528), (575, 18567), (628, 18708), (674, 18804), (681, 18825), (694, 18858), (711, 18891), (713, 18894), (733, 18978), (743, 19023), (744, 19026), (772, 19140), (783, 19173), (806, 19245), (816, 19281), (835, 19353), (847, 19431), (857, 19485), (863, 19509), (886, 19620),

Gene: FiringLine_26 Start: 16547, Stop: 19084, Start Num: 103

Candidate Starts for FiringLine_26:

(Start: 103 @16547 has 89 MA's), (168, 16724), (170, 16727), (171, 16730), (Start: 182 @16760 has 15 MA's), (242, 16898), (249, 16919), (251, 16928), (261, 16949), (272, 16982), (287, 17042), (292, 17057), (305, 17108), (315, 17156), (318, 17174), (330, 17207), (332, 17219), (333, 17222), (334, 17228), (337, 17249), (338, 17252), (354, 17339), (375, 17438), (385, 17480), (386, 17489), (388, 17498), (400, 17546), (402, 17555), (419, 17621), (433, 17660), (499, 17846), (503, 17861), (512, 17894), (526, 17945), (534, 17966), (542, 17981), (548, 17990), (556, 18005), (595, 18074), (648, 18227), (657, 18248), (712, 18377), (720, 18422), (725, 18434), (730, 18470), (802, 18650), (806, 18659), (842, 18770), (847, 18800), (863, 18884),

Gene: First_0026 Start: 16642, Stop: 19185, Start Num: 103

Candidate Starts for First_0026:

(47, 16390), (Start: 103 @16642 has 89 MA's), (170, 16822), (171, 16825), (Start: 182 @16855 has 15 MA's), (238, 16990), (242, 16999), (249, 17020), (251, 17029), (261, 17050), (272, 17083), (279, 17116), (305, 17209), (315, 17257), (318, 17275), (325, 17287), (330, 17308), (334, 17329), (337, 17350), (338, 17353), (375, 17539), (385, 17581), (386, 17590), (388, 17599), (402, 17656), (419, 17722), (433, 17761), (470, 17848), (499, 17947), (534, 18067), (540, 18076), (542, 18082), (548,

18091), (558, 18112), (568, 18136), (578, 18157), (596, 18178), (598, 18187), (609, 18217), (612, 18229), (615, 18244), (633, 18286), (671, 18379), (673, 18388), (686, 18415), (712, 18478), (802, 18751), (806, 18760), (842, 18871), (847, 18901), (863, 18985),

Gene: Flare16_26 Start: 16673, Stop: 19180, Start Num: 103

Candidate Starts for Flare16_26:

(Start: 103 @16673 has 89 MA's), (141, 16784), (165, 16841), (238, 16997), (249, 17027), (272, 17090), (279, 17123), (281, 17129), (327, 17309), (330, 17318), (334, 17339), (337, 17360), (338, 17363), (341, 17381), (352, 17441), (375, 17549), (385, 17591), (397, 17645), (402, 17666), (418, 17729), (419, 17732), (426, 17750), (433, 17771), (499, 17957), (503, 17972), (508, 17999), (526, 18056), (531, 18071), (534, 18077), (540, 18086), (542, 18092), (558, 18122), (567, 18143), (596, 18188), (597, 18194), (609, 18227), (615, 18254), (642, 18326), (648, 18338), (673, 18398), (686, 18425), (712, 18488), (720, 18533), (730, 18581), (739, 18617), (745, 18650), (782, 18713), (797, 18737), (843, 18881), (863, 18980), (879, 19067), (899, 19166),

Gene: Flaverint_26 Start: 17157, Stop: 19703, Start Num: 113

Candidate Starts for Flaverint_26:

(Start: 113 @17157 has 22 MA's), (Start: 120 @17175 has 2 MA's), (186, 17349), (194, 17358), (217, 17433), (245, 17487), (260, 17541), (264, 17556), (265, 17559), (272, 17577), (288, 17640), (292, 17652), (308, 17715), (322, 17778), (327, 17793), (330, 17802), (334, 17823), (338, 17847), (341, 17862), (359, 17949), (361, 17952), (366, 17967), (370, 17988), (372, 18000), (381, 18066), (396, 18138), (404, 18162), (436, 18243), (439, 18252), (443, 18264), (466, 18306), (497, 18363), (515, 18417), (560, 18525), (575, 18564), (628, 18705), (674, 18801), (681, 18822), (694, 18855), (711, 18888), (713, 18891), (733, 18975), (743, 19020), (744, 19023), (772, 19137), (783, 19170), (806, 19242), (816, 19278), (835, 19350), (847, 19428), (857, 19482), (863, 19506), (886, 19617),

Gene: Florean_25 Start: 15882, Stop: 18482, Start Num: 104

Candidate Starts for Florean_25:

(Start: 104 @15882 has 113 MA's), (Start: 151 @16023 has 22 MA's), (Start: 162 @16041 has 10 MA's), (233, 16248), (245, 16287), (251, 16317), (284, 16434), (292, 16461), (308, 16524), (322, 16587), (334, 16632), (341, 16674), (357, 16758), (446, 17025), (474, 17076), (489, 17121), (519, 17199), (532, 17238), (545, 17259), (614, 17406), (622, 17427), (632, 17451), (655, 17511), (657, 17517), (659, 17520), (683, 17571), (700, 17619), (719, 17685), (750, 17850), (757, 17868), (803, 17994), (856, 18246), (857, 18249), (860, 18258), (872, 18318), (889, 18414), (896, 18462),

Gene: Flux_25 Start: 16026, Stop: 18485, Start Num: 151

Candidate Starts for Flux_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (655, 17514), (657, 17520), (659, 17523), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: FlyCatcher_29 Start: 17560, Stop: 20943, Start Num: 17

Candidate Starts for FlyCatcher_29:

(Start: 17 @17560 has 4 MA's), (75, 17947), (89, 18004), (127, 18136), (129, 18148), (147, 18199), (201, 18346), (259, 18529), (261, 18535), (272, 18568), (275, 18580), (300, 18673), (305, 18694), (308, 18706), (343, 18862), (346, 18886), (363, 18949), (375, 19024), (385, 19066), (397, 19120), (402, 19141), (416, 19198), (418, 19204), (419, 19207), (445, 19291), (452, 19306), (470, 19333), (472, 19339), (499, 19432), (502, 19444), (503, 19447), (558, 19597), (566, 19612), (572, 19630), (584, 19654), (587, 19672), (588, 19675), (621, 19786), (637, 19849), (638, 19852), (662, 19909), (664, 19915), (675, 19963), (689, 19993), (715, 20071), (717, 20083), (718, 20092), (722, 20113),

(738, 20191), (750, 20260), (757, 20278), (769, 20329), (780, 20365), (781, 20377), (795, 20410), (803, 20440), (807, 20461), (820, 20512), (829, 20545), (842, 20626), (848, 20659), (852, 20689), (862, 20731), (868, 20755), (879, 20821), (882, 20836), (883, 20842), (892, 20893),

Gene: ForGetIt_22 Start: 15094, Stop: 18435, Start Num: 1

Candidate Starts for ForGetIt_22:

(Start: 1 @15094 has 30 MA's), (37, 15532), (122, 15844), (144, 15922), (154, 15952), (175, 16009), (220, 16156), (222, 16162), (226, 16168), (263, 16294), (267, 16306), (308, 16456), (315, 16492), (322, 16522), (327, 16537), (334, 16567), (335, 16579), (340, 16603), (353, 16672), (371, 16738), (404, 16894), (423, 16963), (425, 16966), (438, 16993), (447, 17017), (512, 17155), (524, 17176), (549, 17221), (570, 17263), (650, 17455), (669, 17485), (677, 17509), (683, 17521), (693, 17542), (706, 17584), (726, 17671), (734, 17707), (739, 17728), (743, 17749), (762, 17827), (770, 17848), (776, 17869), (783, 17890), (792, 17911), (799, 17935), (816, 17998), (839, 18091), (842, 18109), (856, 18190), (860, 18202), (862, 18214), (864, 18223), (875, 18277), (888, 18361), (889, 18370),

Gene: Forsytheast_23 Start: 16363, Stop: 18834, Start Num: 106

Candidate Starts for Forsytheast_23:

(Start: 106 @16363 has 199 MA's), (119, 16402), (141, 16465), (Start: 151 @16495 has 22 MA's), (160, 16516), (174, 16537), (178, 16549), (186, 16567), (255, 16657), (308, 16855), (314, 16888), (332, 16954), (381, 17209), (385, 17230), (390, 17257), (467, 17416), (490, 17452), (542, 17545), (552, 17566), (583, 17623), (630, 17743), (639, 17779), (655, 17809), (666, 17845), (693, 17911), (700, 17932), (734, 18073), (769, 18214), (778, 18235), (839, 18466), (852, 18547), (872, 18658), (878, 18700), (885, 18745), (892, 18784), (894, 18799),

Gene: Francis47_24 Start: 16902, Stop: 19382, Start Num: 106

Candidate Starts for Francis47_24:

(Start: 106 @16902 has 199 MA's), (119, 16941), (141, 17004), (Start: 151 @17034 has 22 MA's), (174, 17076), (278, 17283), (284, 17301), (308, 17391), (322, 17454), (330, 17478), (332, 17490), (341, 17541), (451, 17925), (518, 18027), (529, 18066), (549, 18093), (559, 18117), (655, 18345), (693, 18447), (700, 18468), (705, 18480), (715, 18510), (734, 18609), (746, 18672), (814, 18891), (823, 18924), (872, 19206), (885, 19293), (892, 19332), (896, 19362),

Gene: Fred313_25 Start: 15240, Stop: 18278, Start Num: 39

Candidate Starts for Fred313_25:

(Start: 39 @15240 has 32 MA's), (64, 15414), (67, 15426), (78, 15459), (139, 15669), (185, 15792), (195, 15813), (251, 15999), (261, 16020), (272, 16053), (288, 16116), (292, 16128), (301, 16161), (305, 16179), (320, 16248), (322, 16254), (327, 16269), (330, 16278), (332, 16290), (334, 16299), (351, 16392), (375, 16509), (376, 16512), (383, 16539), (385, 16551), (397, 16605), (402, 16626), (406, 16647), (419, 16692), (433, 16731), (472, 16824), (484, 16872), (499, 16917), (503, 16932), (522, 17007), (526, 17016), (530, 17028), (540, 17046), (548, 17061), (573, 17118), (595, 17145), (596, 17148), (604, 17169), (648, 17298), (657, 17319), (673, 17358), (692, 17397), (700, 17418), (712, 17448), (713, 17451), (715, 17460), (719, 17484), (734, 17553), (738, 17574), (750, 17643), (757, 17661), (771, 17709), (775, 17721), (797, 17763), (800, 17775), (810, 17823), (848, 17994), (852, 18024), (860, 18054), (864, 18075), (889, 18210), (891, 18222), (896, 18258),

Gene: Froghopper_25 Start: 16326, Stop: 18797, Start Num: 106

Candidate Starts for Froghopper_25:

(Start: 106 @16326 has 199 MA's), (119, 16365), (141, 16428), (Start: 151 @16458 has 22 MA's), (160, 16479), (174, 16500), (178, 16512), (186, 16530), (243, 16575), (255, 16620), (308, 16818), (314, 16851), (332, 16917), (381, 17172), (385, 17193), (390, 17220), (467, 17379), (490, 17415), (542, 17508), (552, 17529), (583, 17586), (630, 17706), (639, 17742), (655, 17772), (666, 17808), (693, 17874), (700, 17895), (728, 18012), (734, 18036), (769, 18177), (778, 18198), (839, 18429), (852, 18510), (872, 18621), (882, 18687), (885, 18708), (892, 18747), (894, 18762),

Gene: Funston_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Funston_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Fushigi_25 Start: 16774, Stop: 19254, Start Num: 106

Candidate Starts for Fushigi_25:

(Start: 106 @16774 has 199 MA's), (119, 16813), (141, 16876), (Start: 151 @16906 has 22 MA's), (174, 16948), (278, 17155), (284, 17173), (308, 17263), (322, 17326), (330, 17350), (332, 17362), (341, 17413), (451, 17797), (518, 17899), (529, 17938), (542, 17953), (549, 17965), (559, 17989), (619, 18118), (655, 18217), (693, 18319), (700, 18340), (705, 18352), (715, 18382), (734, 18481), (746, 18544), (814, 18763), (823, 18796), (872, 19078), (882, 19144), (885, 19165), (892, 19204), (896, 19234),

Gene: Gadost_25 Start: 16030, Stop: 18489, Start Num: 151

Candidate Starts for Gadost_25:

(Start: 104 @15889 has 113 MA's), (Start: 151 @16030 has 22 MA's), (Start: 162 @16048 has 10 MA's), (233, 16255), (245, 16294), (251, 16324), (284, 16441), (292, 16468), (308, 16531), (322, 16594), (334, 16639), (341, 16681), (357, 16765), (446, 17032), (474, 17083), (489, 17128), (519, 17206), (530, 17239), (532, 17245), (545, 17266), (614, 17413), (622, 17434), (632, 17458), (657, 17524), (683, 17578), (700, 17626), (719, 17692), (750, 17857), (757, 17875), (803, 18001), (856, 18253), (857, 18256), (860, 18265), (872, 18325), (889, 18421), (896, 18469),

Gene: GageAP_26 Start: 17075, Stop: 19546, Start Num: 106

Candidate Starts for GageAP_26:

(Start: 106 @17075 has 199 MA's), (119, 17114), (141, 17177), (143, 17183), (Start: 151 @17207 has 22 MA's), (160, 17228), (174, 17249), (186, 17279), (236, 17303), (255, 17369), (308, 17567), (314, 17600), (332, 17666), (381, 17921), (385, 17942), (390, 17969), (467, 18128), (490, 18164), (542, 18257), (552, 18278), (559, 18293), (569, 18314), (571, 18317), (606, 18386), (616, 18422), (630, 18455), (639, 18491), (655, 18521), (666, 18557), (693, 18623), (700, 18644), (734, 18785), (769, 18926), (778, 18947), (822, 19082), (852, 19259), (872, 19370), (878, 19412), (885, 19457), (892, 19496), (894, 19511),

Gene: Gail_25 Start: 15723, Stop: 18137, Start Num: 135

Candidate Starts for Gail_25:

(Start: 135 @15723 has 6 MA's), (Start: 142 @15741 has 5 MA's), (153, 15774), (195, 15876), (207, 15918), (229, 15960), (233, 15972), (267, 16086), (278, 16140), (292, 16185), (308, 16248), (314, 16281), (337, 16377), (353, 16461), (384, 16602), (441, 16746), (475, 16800), (478, 16815), (486, 16842), (490, 16854), (565, 17040), (630, 17196), (663, 17286), (676, 17337), (699, 17397), (712, 17430), (715, 17442), (720, 17475), (722, 17484), (746, 17616), (749, 17628), (759, 17652), (799, 17706), (840, 17823), (863, 17934), (876, 18009), (891, 18075), (896, 18111),

Gene: Gandalf20_25 Start: 17202, Stop: 19673, Start Num: 106

Candidate Starts for Gandalf20_25:

(Start: 106 @17202 has 199 MA's), (119, 17241), (141, 17304), (Start: 151 @17334 has 22 MA's), (160, 17355), (174, 17376), (178, 17388), (186, 17406), (236, 17430), (255, 17496), (308, 17694), (314, 17727), (332, 17793), (381, 18048), (385, 18069), (390, 18096), (467, 18255), (490, 18291), (542, 18384), (552, 18405), (583, 18462), (606, 18513), (616, 18549), (630, 18582), (639, 18618),

(655, 18648), (666, 18684), (693, 18750), (700, 18771), (734, 18912), (769, 19053), (778, 19074), (822, 19209), (852, 19386), (872, 19497), (882, 19563), (885, 19584), (892, 19623), (894, 19638),

Gene: Garak_30 Start: 16733, Stop: 18937, Start Num: 124

Candidate Starts for Garak_30:

(65, 16574), (98, 16688), (Start: 124 @16733 has 42 MA's), (166, 16844), (217, 17000), (263, 17147), (267, 17159), (308, 17309), (314, 17342), (336, 17432), (349, 17501), (404, 17744), (495, 17882), (599, 18002), (701, 18155), (734, 18218), (743, 18260), (770, 18359), (776, 18380), (783, 18401), (792, 18422), (806, 18473), (808, 18485), (813, 18500), (835, 18581), (847, 18659),

Gene: GaugeLDP_28 Start: 17905, Stop: 20424, Start Num: 103

Candidate Starts for GaugeLDP_28:

(Start: 103 @17905 has 89 MA's), (141, 18016), (170, 18085), (171, 18088), (197, 18142), (249, 18259), (251, 18268), (257, 18277), (272, 18322), (274, 18331), (305, 18448), (316, 18505), (320, 18517), (322, 18523), (327, 18538), (332, 18559), (334, 18568), (375, 18778), (383, 18808), (385, 18820), (397, 18874), (402, 18895), (419, 18961), (429, 18988), (433, 19000), (484, 19141), (499, 19186), (503, 19201), (508, 19228), (511, 19231), (526, 19285), (542, 19321), (548, 19330), (558, 19351), (568, 19375), (573, 19387), (595, 19414), (596, 19417), (609, 19456), (612, 19468), (615, 19483), (673, 19627), (686, 19654), (699, 19684), (700, 19687), (712, 19717), (720, 19762), (725, 19774), (730, 19810), (745, 19879), (799, 19978), (802, 19987), (806, 19996), (842, 20107), (855, 20194), (863, 20224), (896, 20401),

Gene: Gemma_27 Start: 16053, Stop: 19079, Start Num: 40

Candidate Starts for Gemma_27:

(31, 15999), (Start: 40 @16053 has 81 MA's), (56, 16167), (66, 16233), (67, 16236), (73, 16245), (84, 16281), (94, 16332), (118, 16404), (139, 16476), (183, 16596), (185, 16599), (207, 16668), (219, 16713), (251, 16806), (257, 16815), (272, 16860), (281, 16899), (288, 16923), (292, 16935), (301, 16968), (305, 16986), (309, 17007), (320, 17055), (322, 17061), (327, 17076), (330, 17085), (332, 17097), (334, 17106), (351, 17199), (372, 17286), (375, 17316), (376, 17319), (383, 17346), (385, 17358), (397, 17412), (402, 17433), (408, 17463), (419, 17499), (470, 17625), (484, 17679), (499, 17724), (512, 17772), (522, 17814), (526, 17823), (540, 17853), (573, 17925), (577, 17931), (595, 17952), (596, 17955), (600, 17967), (638, 18084), (642, 18093), (673, 18165), (674, 18168), (692, 18204), (712, 18255), (713, 18258), (715, 18267), (750, 18450), (771, 18516), (775, 18528), (797, 18570), (811, 18633), (832, 18690), (841, 18759), (848, 18795), (864, 18876), (889, 19011), (891, 19023),

Gene: George_21 Start: 15244, Stop: 18582, Start Num: 1

Candidate Starts for George_21:

(Start: 1 @15244 has 30 MA's), (37, 15682), (122, 15994), (144, 16072), (154, 16102), (175, 16159), (204, 16243), (220, 16306), (222, 16312), (262, 16432), (287, 16522), (288, 16525), (308, 16600), (317, 16645), (322, 16663), (334, 16708), (337, 16729), (376, 16921), (409, 17059), (425, 17107), (459, 17185), (514, 17311), (524, 17323), (533, 17347), (570, 17410), (650, 17602), (669, 17632), (677, 17656), (683, 17668), (706, 17731), (734, 17854), (739, 17875), (743, 17896), (762, 17974), (770, 17995), (783, 18037), (792, 18058), (816, 18145), (825, 18175), (839, 18238), (842, 18256), (856, 18337), (860, 18349), (862, 18361), (864, 18370), (875, 18424), (893, 18547),

Gene: Georgie2_27 Start: 16538, Stop: 19075, Start Num: 103

Candidate Starts for Georgie2_27:

(Start: 103 @16538 has 89 MA's), (168, 16715), (170, 16718), (171, 16721), (Start: 182 @16751 has 15 MA's), (242, 16889), (249, 16910), (251, 16919), (261, 16940), (272, 16973), (287, 17033), (292, 17048), (305, 17099), (315, 17147), (318, 17165), (330, 17198), (332, 17210), (333, 17213), (334, 17219), (337, 17240), (338, 17243), (354, 17330), (375, 17429), (385, 17471), (386, 17480), (388, 17489), (400, 17537), (402, 17546), (419, 17612), (433, 17651), (499, 17837), (503, 17852), (512,

17885), (526, 17936), (534, 17957), (542, 17972), (548, 17981), (556, 17996), (595, 18065), (648, 18218), (657, 18239), (712, 18368), (720, 18413), (725, 18425), (730, 18461), (802, 18641), (806, 18650), (842, 18761), (847, 18791), (863, 18875),

Gene: Ghouboy_22 Start: 15349, Stop: 18750, Start Num: 1

Candidate Starts for Ghouboy_22:

(Start: 1 @15349 has 30 MA's), (3, 15409), (12, 15562), (15, 15601), (37, 15787), (76, 16015), (81, 16027), (85, 16039), (122, 16171), (144, 16249), (154, 16279), (175, 16336), (220, 16483), (222, 16489), (226, 16495), (263, 16621), (267, 16633), (308, 16783), (315, 16819), (322, 16849), (327, 16864), (334, 16894), (335, 16906), (340, 16930), (353, 16999), (371, 17065), (404, 17221), (423, 17290), (425, 17293), (438, 17320), (447, 17344), (512, 17482), (524, 17503), (549, 17536), (570, 17578), (650, 17770), (669, 17800), (677, 17824), (683, 17836), (693, 17857), (706, 17899), (726, 17986), (734, 18022), (739, 18043), (743, 18064), (762, 18142), (770, 18163), (776, 18184), (783, 18205), (792, 18226), (799, 18250), (816, 18313), (839, 18406), (842, 18424), (856, 18505), (860, 18517), (862, 18529), (864, 18538), (875, 18592), (888, 18676), (889, 18685),

Gene: Gilberta_26 Start: 17154, Stop: 19700, Start Num: 113

Candidate Starts for Gilberta_26:

(Start: 113 @17154 has 22 MA's), (Start: 120 @17172 has 2 MA's), (186, 17346), (194, 17355), (217, 17430), (245, 17484), (260, 17538), (264, 17553), (265, 17556), (272, 17574), (288, 17637), (292, 17649), (308, 17712), (322, 17775), (327, 17790), (330, 17799), (334, 17820), (338, 17844), (341, 17859), (359, 17946), (361, 17949), (366, 17964), (370, 17985), (372, 17997), (381, 18063), (396, 18135), (404, 18159), (436, 18240), (439, 18249), (443, 18261), (466, 18303), (497, 18360), (515, 18414), (560, 18522), (575, 18561), (628, 18702), (674, 18798), (681, 18819), (694, 18852), (711, 18885), (713, 18888), (733, 18972), (743, 19017), (744, 19020), (772, 19134), (783, 19167), (806, 19239), (816, 19275), (835, 19347), (847, 19425), (857, 19479), (863, 19503), (886, 19614),

Gene: GingkoMaracino_27 Start: 15865, Stop: 18891, Start Num: 40

Candidate Starts for GingkoMaracino_27:

(31, 15811), (Start: 40 @15865 has 81 MA's), (56, 15979), (66, 16045), (67, 16048), (73, 16057), (84, 16093), (94, 16144), (118, 16216), (139, 16288), (183, 16408), (185, 16411), (207, 16480), (219, 16525), (251, 16618), (257, 16627), (263, 16645), (272, 16672), (288, 16735), (292, 16747), (301, 16780), (305, 16798), (318, 16864), (320, 16867), (322, 16873), (327, 16888), (330, 16897), (332, 16909), (334, 16918), (347, 16996), (351, 17011), (375, 17128), (376, 17131), (383, 17158), (385, 17170), (397, 17224), (402, 17245), (419, 17311), (433, 17350), (472, 17443), (484, 17491), (499, 17536), (512, 17584), (522, 17626), (526, 17635), (540, 17665), (541, 17668), (548, 17680), (573, 17737), (577, 17743), (595, 17764), (596, 17767), (642, 17905), (648, 17917), (673, 17977), (699, 18034), (734, 18172), (738, 18193), (742, 18217), (750, 18262), (757, 18280), (771, 18328), (775, 18340), (797, 18382), (811, 18445), (832, 18502), (841, 18571), (848, 18607), (864, 18688), (889, 18823),

Gene: Giroux_25 Start: 15495, Stop: 18530, Start Num: 39

Candidate Starts for Giroux_25:

(Start: 39 @15495 has 32 MA's), (64, 15669), (67, 15681), (78, 15714), (139, 15924), (183, 16044), (185, 16047), (251, 16251), (261, 16272), (270, 16302), (272, 16305), (288, 16368), (292, 16380), (301, 16413), (305, 16431), (320, 16500), (322, 16506), (327, 16521), (330, 16530), (332, 16542), (334, 16551), (351, 16644), (375, 16761), (376, 16764), (382, 16788), (383, 16791), (385, 16803), (397, 16857), (402, 16878), (406, 16899), (419, 16944), (429, 16971), (433, 16983), (484, 17124), (499, 17169), (503, 17184), (522, 17259), (526, 17268), (540, 17298), (548, 17313), (549, 17316), (558, 17334), (567, 17355), (568, 17358), (595, 17397), (596, 17400), (624, 17484), (648, 17550), (657, 17571), (673, 17610), (692, 17649), (700, 17670), (712, 17700), (713, 17703), (715, 17712), (719, 17736), (734, 17805), (738, 17826), (750, 17895), (757, 17913), (771, 17961), (775, 17973), (797, 18015), (800, 18027), (810, 18075), (848, 18246), (852, 18276), (860, 18306), (864, 18327),

(889, 18462), (896, 18510),

Gene: Gladiator_29 Start: 16707, Stop: 18923, Start Num: 124

Candidate Starts for Gladiator_29:

(98, 16662), (Start: 124 @16707 has 42 MA's), (166, 16818), (217, 16974), (263, 17121), (267, 17133), (307, 17280), (308, 17283), (314, 17316), (336, 17406), (349, 17475), (368, 17550), (404, 17718), (599, 17976), (628, 18021), (701, 18129), (734, 18192), (743, 18234), (770, 18333), (776, 18354), (792, 18396), (806, 18447), (813, 18474), (835, 18555), (847, 18645),

Gene: Gompeii16_24 Start: 16850, Stop: 19330, Start Num: 106

Candidate Starts for Gompeii16_24:

(Start: 106 @16850 has 199 MA's), (119, 16889), (141, 16952), (Start: 151 @16982 has 22 MA's), (174, 17024), (278, 17231), (284, 17249), (308, 17339), (322, 17402), (330, 17426), (332, 17438), (341, 17489), (451, 17873), (518, 17975), (529, 18014), (542, 18029), (549, 18041), (559, 18065), (655, 18293), (693, 18395), (700, 18416), (705, 18428), (715, 18458), (734, 18557), (746, 18620), (814, 18839), (823, 18872), (872, 19154), (885, 19241), (892, 19280), (896, 19310),

Gene: Goose_25 Start: 15688, Stop: 18417, Start Num: 101

Candidate Starts for Goose_25:

(52, 15457), (Start: 101 @15688 has 8 MA's), (Start: 162 @15865 has 10 MA's), (169, 15886), (178, 15910), (181, 15916), (190, 15940), (193, 15943), (196, 15952), (207, 15991), (211, 16000), (213, 16006), (218, 16030), (236, 16075), (248, 16117), (258, 16150), (261, 16159), (274, 16213), (288, 16267), (291, 16276), (295, 16300), (302, 16321), (323, 16426), (332, 16468), (394, 16783), (396, 16795), (403, 16822), (482, 16990), (517, 17110), (530, 17155), (531, 17158), (532, 17161), (545, 17182), (547, 17185), (566, 17230), (614, 17338), (622, 17359), (644, 17419), (659, 17452), (689, 17515), (715, 17593), (719, 17617), (734, 17692), (745, 17758), (750, 17782), (757, 17800), (765, 17836), (776, 17866), (793, 17908), (798, 17920), (803, 17932), (812, 17968), (818, 17980), (860, 18193), (862, 18205), (868, 18229), (872, 18253), (889, 18349), (896, 18397),

Gene: Graduation_26 Start: 17109, Stop: 19577, Start Num: 106

Candidate Starts for Graduation_26:

(Start: 106 @17109 has 199 MA's), (112, 17124), (Start: 151 @17238 has 22 MA's), (174, 17280), (186, 17310), (236, 17334), (255, 17400), (308, 17598), (314, 17631), (332, 17697), (381, 17952), (385, 17973), (390, 18000), (467, 18159), (490, 18195), (542, 18288), (552, 18309), (559, 18324), (569, 18345), (571, 18348), (606, 18417), (616, 18453), (630, 18486), (639, 18522), (655, 18552), (666, 18588), (693, 18654), (700, 18675), (734, 18816), (769, 18957), (778, 18978), (822, 19113), (852, 19290), (872, 19401), (882, 19467), (885, 19488), (892, 19527), (894, 19542),

Gene: GrecoEtereo_25 Start: 16652, Stop: 19120, Start Num: 106

Candidate Starts for GrecoEtereo_25:

(Start: 106 @16652 has 199 MA's), (112, 16667), (Start: 151 @16781 has 22 MA's), (174, 16823), (186, 16853), (255, 16943), (256, 16946), (308, 17141), (332, 17240), (381, 17495), (385, 17516), (390, 17543), (467, 17702), (490, 17738), (542, 17831), (552, 17852), (583, 17909), (630, 18029), (639, 18065), (655, 18095), (666, 18131), (693, 18197), (700, 18218), (734, 18359), (769, 18500), (778, 18521), (822, 18656), (852, 18833), (872, 18944), (878, 18986), (885, 19031), (892, 19070),

Gene: GreedyLawyer_29 Start: 16735, Stop: 18939, Start Num: 124

Candidate Starts for GreedyLawyer_29:

(65, 16576), (98, 16690), (Start: 124 @16735 has 42 MA's), (166, 16846), (168, 16852), (206, 16960), (217, 17002), (239, 17068), (267, 17161), (276, 17188), (308, 17311), (314, 17344), (336, 17434), (349, 17503), (404, 17746), (495, 17884), (599, 18004), (701, 18157), (734, 18220), (743, 18262), (770, 18361), (776, 18382), (783, 18403), (792, 18424), (806, 18475), (808, 18487), (813, 18502), (835, 18583), (847, 18661),

Gene: Greg_26 Start: 16674, Stop: 19145, Start Num: 106

Candidate Starts for Greg_26:

(Start: 106 @16674 has 199 MA's), (119, 16713), (141, 16776), (Start: 151 @16806 has 22 MA's), (160, 16827), (174, 16848), (178, 16860), (186, 16878), (236, 16902), (275, 17040), (284, 17076), (308, 17166), (314, 17199), (332, 17265), (381, 17520), (385, 17541), (390, 17568), (395, 17583), (423, 17664), (467, 17727), (490, 17763), (542, 17856), (552, 17877), (559, 17892), (569, 17913), (571, 17916), (606, 17985), (616, 18021), (630, 18054), (639, 18090), (655, 18120), (666, 18156), (693, 18222), (700, 18243), (734, 18384), (769, 18525), (778, 18546), (822, 18681), (852, 18858), (872, 18969), (882, 19035), (885, 19056), (892, 19095), (894, 19110),

Gene: Grif_27 Start: 16062, Stop: 19088, Start Num: 40

Candidate Starts for Grif_27:

(31, 16008), (Start: 40 @16062 has 81 MA's), (56, 16176), (66, 16242), (67, 16245), (73, 16254), (84, 16290), (94, 16341), (118, 16413), (139, 16485), (183, 16605), (185, 16608), (207, 16677), (219, 16722), (251, 16815), (257, 16824), (263, 16842), (272, 16869), (288, 16932), (292, 16944), (301, 16977), (305, 16995), (318, 17061), (320, 17064), (322, 17070), (327, 17085), (330, 17094), (332, 17106), (334, 17115), (351, 17208), (375, 17325), (376, 17328), (383, 17355), (385, 17367), (397, 17421), (402, 17442), (419, 17508), (433, 17547), (472, 17640), (484, 17688), (499, 17733), (512, 17781), (522, 17823), (526, 17832), (540, 17862), (541, 17865), (548, 17877), (573, 17934), (577, 17940), (595, 17961), (596, 17964), (642, 18102), (648, 18114), (673, 18174), (700, 18234), (712, 18264), (713, 18267), (715, 18276), (734, 18369), (742, 18414), (750, 18459), (757, 18477), (771, 18525), (775, 18537), (797, 18579), (811, 18642), (832, 18699), (841, 18768), (848, 18804), (864, 18885), (889, 19020),

Gene: Groundhog_21 Start: 14515, Stop: 17592, Start Num: 9

Candidate Starts for Groundhog_21:

(Start: 9 @14515 has 11 MA's), (16, 14599), (37, 14767), (42, 14791), (76, 14839), (111, 14959), (130, 15031), (187, 15181), (189, 15184), (191, 15190), (245, 15376), (262, 15436), (263, 15442), (282, 15508), (290, 15535), (293, 15550), (307, 15601), (308, 15604), (314, 15637), (322, 15670), (359, 15838), (396, 16021), (404, 16045), (414, 16093), (423, 16114), (425, 16117), (486, 16261), (514, 16318), (531, 16348), (557, 16387), (593, 16459), (609, 16489), (640, 16588), (653, 16618), (677, 16663), (693, 16696), (734, 16861), (739, 16882), (742, 16894), (760, 16975), (770, 17002), (792, 17065), (799, 17089), (807, 17119), (816, 17152), (826, 17185), (839, 17245), (843, 17272), (863, 17371), (864, 17377), (880, 17467), (883, 17488), (890, 17527), (900, 17575),

Gene: Groupthink_28 Start: 16057, Stop: 19083, Start Num: 40

Candidate Starts for Groupthink_28:

(31, 16003), (Start: 40 @16057 has 81 MA's), (56, 16171), (66, 16237), (67, 16240), (73, 16249), (84, 16285), (94, 16336), (118, 16408), (139, 16480), (183, 16600), (185, 16603), (207, 16672), (219, 16717), (251, 16810), (257, 16819), (272, 16864), (281, 16903), (288, 16927), (292, 16939), (301, 16972), (305, 16990), (309, 17011), (320, 17059), (322, 17065), (327, 17080), (330, 17089), (332, 17101), (334, 17110), (351, 17203), (372, 17290), (375, 17320), (376, 17323), (383, 17350), (385, 17362), (397, 17416), (402, 17437), (408, 17467), (419, 17503), (470, 17629), (484, 17683), (499, 17728), (512, 17776), (522, 17818), (526, 17827), (540, 17857), (573, 17929), (577, 17935), (595, 17956), (596, 17959), (600, 17971), (638, 18088), (642, 18097), (673, 18169), (674, 18172), (692, 18208), (712, 18259), (713, 18262), (715, 18271), (750, 18454), (771, 18520), (775, 18532), (797, 18574), (811, 18637), (832, 18694), (841, 18763), (848, 18799), (864, 18880), (889, 19015), (891, 19027),

Gene: Grub_27 Start: 15971, Stop: 18997, Start Num: 40

Candidate Starts for Grub_27:

(31, 15917), (Start: 40 @15971 has 81 MA's), (56, 16085), (66, 16151), (67, 16154), (73, 16163), (84, 16199), (94, 16250), (118, 16322), (139, 16394), (183, 16514), (185, 16517), (207, 16586), (219, 16631), (251, 16724), (257, 16733), (263, 16751), (272, 16778), (288, 16841), (292, 16853), (301, 16886), (305, 16904), (318, 16970), (320, 16973), (322, 16979), (327, 16994), (330, 17003), (332, 17015), (334, 17024), (351, 17117), (375, 17234), (376, 17237), (383, 17264), (385, 17276), (397, 17330), (402, 17351), (419, 17417), (429, 17444), (472, 17549), (484, 17597), (499, 17642), (512, 17690), (522, 17732), (526, 17741), (540, 17771), (541, 17774), (548, 17786), (573, 17843), (577, 17849), (595, 17870), (596, 17873), (642, 18011), (648, 18023), (673, 18083), (700, 18143), (712, 18173), (713, 18176), (715, 18185), (734, 18278), (750, 18368), (771, 18434), (775, 18446), (797, 18488), (811, 18551), (832, 18608), (841, 18677), (848, 18713), (864, 18794), (889, 18929),

Gene: Grum1_27 Start: 15972, Stop: 18998, Start Num: 40

Candidate Starts for Grum1_27:

(31, 15918), (Start: 40 @15972 has 81 MA's), (56, 16086), (66, 16152), (67, 16155), (73, 16164), (84, 16200), (94, 16251), (118, 16323), (139, 16395), (183, 16515), (185, 16518), (207, 16587), (219, 16632), (251, 16725), (257, 16734), (263, 16752), (272, 16779), (288, 16842), (292, 16854), (301, 16887), (305, 16905), (318, 16971), (320, 16974), (322, 16980), (327, 16995), (330, 17004), (332, 17016), (334, 17025), (351, 17118), (375, 17235), (376, 17238), (383, 17265), (385, 17277), (397, 17331), (402, 17352), (419, 17418), (433, 17457), (472, 17550), (484, 17598), (499, 17643), (512, 17691), (522, 17733), (526, 17742), (540, 17772), (541, 17775), (548, 17787), (573, 17844), (577, 17850), (595, 17871), (596, 17874), (642, 18012), (648, 18024), (673, 18084), (699, 18141), (734, 18279), (738, 18300), (742, 18324), (750, 18369), (757, 18387), (771, 18435), (775, 18447), (797, 18489), (811, 18552), (832, 18609), (841, 18678), (848, 18714), (864, 18795), (889, 18930),

Gene: Gruunaga_29 Start: 16707, Stop: 18923, Start Num: 124

Candidate Starts for Gruunaga_29:

(98, 16662), (Start: 124 @16707 has 42 MA's), (166, 16818), (217, 16974), (263, 17121), (267, 17133), (307, 17280), (308, 17283), (314, 17316), (336, 17406), (349, 17475), (368, 17550), (404, 17718), (599, 17976), (628, 18021), (701, 18129), (734, 18192), (743, 18234), (770, 18333), (776, 18354), (792, 18396), (806, 18447), (813, 18474), (835, 18555), (847, 18645),

Gene: GtownJaz_27 Start: 15980, Stop: 19006, Start Num: 40

Candidate Starts for GtownJaz_27:

(31, 15926), (Start: 40 @15980 has 81 MA's), (56, 16094), (66, 16160), (67, 16163), (73, 16172), (84, 16208), (94, 16259), (118, 16331), (139, 16403), (183, 16523), (185, 16526), (207, 16595), (219, 16640), (251, 16733), (257, 16742), (263, 16760), (272, 16787), (288, 16850), (292, 16862), (301, 16895), (305, 16913), (318, 16979), (320, 16982), (322, 16988), (327, 17003), (330, 17012), (332, 17024), (334, 17033), (347, 17111), (351, 17126), (375, 17243), (376, 17246), (383, 17273), (385, 17285), (397, 17339), (402, 17360), (419, 17426), (433, 17465), (472, 17558), (484, 17606), (499, 17651), (512, 17699), (522, 17741), (526, 17750), (540, 17780), (541, 17783), (548, 17795), (573, 17852), (577, 17858), (595, 17879), (596, 17882), (642, 18020), (648, 18032), (673, 18092), (699, 18149), (734, 18287), (738, 18308), (742, 18332), (750, 18377), (757, 18395), (771, 18443), (775, 18455), (797, 18497), (811, 18560), (832, 18617), (841, 18686), (848, 18722), (864, 18803), (889, 18938),

Gene: Gwendoluna_26 Start: 17874, Stop: 20708, Start Num: 106

Candidate Starts for Gwendoluna_26:

(Start: 106 @17874 has 199 MA's), (128, 17946), (250, 18189), (256, 18204), (271, 18249), (298, 18369), (303, 18387), (310, 18435), (319, 18480), (332, 18525), (333, 18528), (341, 18576), (378, 18759), (385, 18786), (405, 18870), (420, 18927), (428, 18945), (441, 18990), (456, 19026), (479, 19086), (491, 19134), (510, 19197), (512, 19200), (539, 19293), (550, 19317), (565, 19353), (574, 19380), (581, 19392), (585, 19410), (589, 19425), (611, 19488), (653, 19617), (667, 19662), (677, 19695), (683, 19707), (722, 19836), (740, 19932), (758, 20019), (759, 20022), (765, 20040), (821,

20244), (852, 20421), (872, 20532), (885, 20619), (892, 20658), (894, 20673),

Gene: Gyzlar_26 Start: 17600, Stop: 20071, Start Num: 106

Candidate Starts for Gyzlar_26:

(Start: 106 @17600 has 199 MA's), (119, 17639), (141, 17702), (Start: 151 @17732 has 22 MA's), (160, 17753), (174, 17774), (178, 17786), (186, 17804), (236, 17828), (255, 17894), (264, 17921), (308, 18092), (314, 18125), (332, 18191), (381, 18446), (385, 18467), (390, 18494), (402, 18533), (423, 18590), (440, 18620), (542, 18782), (552, 18803), (583, 18860), (630, 18980), (639, 19016), (655, 19046), (666, 19082), (693, 19148), (700, 19169), (715, 19211), (734, 19310), (769, 19451), (778, 19472), (839, 19703), (852, 19784), (872, 19895), (885, 19982), (892, 20021), (896, 20051),

Gene: HINdeR_25 Start: 17367, Stop: 20738, Start Num: 17

Candidate Starts for HINdeR_25:

(Start: 17 @17367 has 4 MA's), (36, 17529), (59, 17679), (75, 17754), (116, 17904), (129, 17955), (147, 18006), (198, 18141), (261, 18342), (272, 18375), (287, 18435), (288, 18438), (292, 18450), (297, 18477), (309, 18522), (314, 18546), (320, 18570), (334, 18621), (338, 18645), (375, 18831), (382, 18858), (385, 18873), (394, 18912), (397, 18927), (402, 18948), (411, 18990), (416, 19005), (418, 19011), (419, 19014), (445, 19098), (452, 19113), (470, 19140), (471, 19143), (480, 19176), (488, 19212), (499, 19239), (500, 19242), (502, 19251), (558, 19404), (565, 19416), (566, 19419), (572, 19437), (577, 19446), (580, 19452), (584, 19461), (587, 19479), (589, 19488), (596, 19512), (603, 19530), (621, 19593), (630, 19626), (638, 19659), (642, 19668), (644, 19671), (648, 19680), (649, 19683), (656, 19701), (665, 19734), (675, 19770), (689, 19800), (704, 19845), (717, 19890), (718, 19899), (719, 19902), (720, 19911), (722, 19920), (750, 20067), (757, 20085), (774, 20142), (780, 20160), (781, 20172), (785, 20184), (790, 20193), (797, 20214), (803, 20235), (804, 20247), (811, 20280), (815, 20292), (817, 20298), (826, 20322), (829, 20340), (830, 20343), (842, 20421), (852, 20484), (857, 20505), (862, 20526), (868, 20550), (879, 20616), (882, 20631), (883, 20637),

Gene: HamSlice_24 Start: 15883, Stop: 18483, Start Num: 104

Candidate Starts for HamSlice_24:

(Start: 104 @15883 has 113 MA's), (Start: 151 @16024 has 22 MA's), (Start: 162 @16042 has 10 MA's), (233, 16249), (245, 16288), (251, 16318), (276, 16402), (284, 16435), (292, 16462), (308, 16525), (322, 16588), (334, 16633), (341, 16675), (357, 16759), (446, 17026), (474, 17077), (489, 17122), (519, 17200), (532, 17239), (614, 17407), (622, 17428), (632, 17452), (657, 17518), (683, 17572), (700, 17620), (719, 17686), (750, 17851), (757, 17869), (803, 17995), (856, 18247), (857, 18250), (860, 18259), (872, 18319), (889, 18415), (896, 18463),

Gene: Hami1_26 Start: 16746, Stop: 19217, Start Num: 106

Candidate Starts for Hami1_26:

(Start: 106 @16746 has 199 MA's), (119, 16785), (141, 16848), (Start: 151 @16878 has 22 MA's), (160, 16899), (174, 16920), (178, 16932), (186, 16950), (255, 17040), (308, 17238), (314, 17271), (332, 17337), (381, 17592), (385, 17613), (390, 17640), (467, 17799), (490, 17835), (542, 17928), (552, 17949), (583, 18006), (630, 18126), (639, 18162), (655, 18192), (666, 18228), (693, 18294), (700, 18315), (734, 18456), (769, 18597), (778, 18618), (822, 18753), (852, 18930), (872, 19041), (885, 19128), (892, 19167), (894, 19182),

Gene: Hammer_29 Start: 16722, Stop: 18938, Start Num: 124

Candidate Starts for Hammer_29:

(98, 16677), (Start: 124 @16722 has 42 MA's), (166, 16833), (217, 16989), (263, 17136), (267, 17148), (307, 17295), (308, 17298), (314, 17331), (336, 17421), (349, 17490), (368, 17565), (404, 17733), (599, 17991), (628, 18036), (701, 18144), (734, 18207), (743, 18249), (770, 18348), (776, 18369), (792, 18411), (806, 18462), (813, 18489), (835, 18570), (847, 18660),

Gene: HanShotFirst_24 Start: 16280, Stop: 18751, Start Num: 106

Candidate Starts for HanShotFirst_24:

(Start: 106 @16280 has 199 MA's), (119, 16319), (141, 16382), (Start: 151 @16412 has 22 MA's), (160, 16433), (174, 16454), (178, 16466), (186, 16484), (236, 16508), (255, 16574), (275, 16646), (284, 16682), (308, 16772), (314, 16805), (332, 16871), (381, 17126), (385, 17147), (390, 17174), (395, 17189), (467, 17333), (490, 17369), (542, 17462), (552, 17483), (583, 17540), (630, 17660), (639, 17696), (655, 17726), (666, 17762), (693, 17828), (700, 17849), (734, 17990), (769, 18131), (778, 18152), (822, 18287), (852, 18464), (872, 18575), (885, 18662), (892, 18701), (894, 18716),

Gene: Hanray_26 Start: 17594, Stop: 20503, Start Num: 54

Candidate Starts for Hanray_26:

(Start: 54 @17594 has 33 MA's), (56, 17606), (66, 17666), (110, 17825), (127, 17888), (148, 17951), (164, 17993), (185, 18050), (199, 18089), (253, 18260), (257, 18266), (262, 18281), (287, 18371), (288, 18374), (292, 18386), (304, 18428), (314, 18482), (334, 18557), (337, 18578), (338, 18581), (341, 18599), (353, 18662), (371, 18728), (375, 18767), (382, 18794), (385, 18809), (391, 18839), (397, 18863), (402, 18884), (419, 18950), (433, 18989), (455, 19055), (472, 19082), (479, 19109), (499, 19175), (511, 19220), (534, 19295), (558, 19340), (567, 19361), (577, 19382), (578, 19385), (595, 19403), (596, 19406), (606, 19433), (613, 19460), (633, 19514), (712, 19706), (716, 19721), (720, 19751), (731, 19802), (749, 19889), (751, 19898), (766, 19949), (797, 20012), (803, 20033), (810, 20069), (826, 20105), (827, 20111), (841, 20189), (846, 20216), (857, 20276), (872, 20345), (876, 20375), (882, 20402), (891, 20441), (897, 20483),

Gene: Happiness_25 Start: 15891, Stop: 18491, Start Num: 104

Candidate Starts for Happiness_25:

(Start: 104 @15891 has 113 MA's), (Start: 151 @16032 has 22 MA's), (Start: 162 @16050 has 10 MA's), (233, 16257), (245, 16296), (251, 16326), (284, 16443), (292, 16470), (308, 16533), (322, 16596), (334, 16641), (341, 16683), (357, 16767), (446, 17034), (474, 17085), (489, 17130), (519, 17208), (530, 17241), (532, 17247), (597, 17361), (614, 17415), (632, 17460), (655, 17520), (668, 17538), (683, 17580), (700, 17628), (719, 17694), (750, 17859), (757, 17877), (803, 18003), (856, 18255), (857, 18258), (860, 18267), (871, 18324), (872, 18327), (880, 18372), (889, 18423), (896, 18471),

Gene: HarryHoudini_28 Start: 17132, Stop: 19639, Start Num: 103

Candidate Starts for HarryHoudini_28:

(Start: 103 @17132 has 89 MA's), (141, 17243), (165, 17300), (173, 17321), (Start: 182 @17345 has 15 MA's), (216, 17411), (249, 17486), (272, 17549), (279, 17582), (281, 17588), (327, 17768), (330, 17777), (334, 17798), (337, 17819), (338, 17822), (341, 17840), (351, 17891), (352, 17900), (375, 18008), (385, 18050), (386, 18059), (397, 18104), (402, 18125), (419, 18191), (426, 18209), (433, 18230), (435, 18239), (499, 18416), (503, 18431), (508, 18458), (526, 18515), (531, 18530), (534, 18536), (540, 18545), (542, 18551), (548, 18560), (558, 18581), (567, 18602), (596, 18647), (597, 18653), (609, 18686), (632, 18752), (642, 18785), (648, 18797), (673, 18857), (686, 18884), (712, 18947), (720, 18992), (730, 19040), (739, 19076), (782, 19172), (797, 19196), (843, 19340), (863, 19439), (899, 19625),

Gene: HarryOW_25 Start: 16725, Stop: 19205, Start Num: 106

Candidate Starts for HarryOW_25:

(Start: 106 @16725 has 199 MA's), (119, 16764), (141, 16827), (143, 16833), (Start: 151 @16857 has 22 MA's), (174, 16899), (278, 17106), (284, 17124), (308, 17214), (322, 17277), (330, 17301), (332, 17313), (341, 17364), (451, 17748), (518, 17850), (529, 17889), (549, 17916), (559, 17940), (655, 18168), (693, 18270), (700, 18291), (705, 18303), (715, 18333), (733, 18429), (734, 18432), (746, 18495), (814, 18714), (823, 18747), (872, 19029), (885, 19116), (892, 19155), (894, 19170),

Gene: HashRod_28 Start: 16063, Stop: 19089, Start Num: 40

Candidate Starts for HashRod_28:

(31, 16009), (Start: 40 @16063 has 81 MA's), (56, 16177), (66, 16243), (67, 16246), (73, 16255), (84, 16291), (94, 16342), (118, 16414), (139, 16486), (183, 16606), (185, 16609), (207, 16678), (219, 16723), (251, 16816), (257, 16825), (263, 16843), (272, 16870), (288, 16933), (292, 16945), (301, 16978), (305, 16996), (318, 17062), (320, 17065), (322, 17071), (327, 17086), (330, 17095), (332, 17107), (334, 17116), (347, 17194), (351, 17209), (375, 17326), (376, 17329), (383, 17356), (385, 17368), (397, 17422), (402, 17443), (419, 17509), (433, 17548), (472, 17641), (484, 17689), (499, 17734), (512, 17782), (522, 17824), (526, 17833), (540, 17863), (541, 17866), (548, 17878), (573, 17935), (577, 17941), (595, 17962), (596, 17965), (642, 18103), (648, 18115), (673, 18175), (699, 18232), (734, 18370), (738, 18391), (742, 18415), (750, 18460), (757, 18478), (771, 18526), (775, 18538), (797, 18580), (811, 18643), (832, 18700), (841, 18769), (848, 18805), (864, 18886), (889, 19021),

Gene: HaveUMetTed_28 Start: 16050, Stop: 19076, Start Num: 40

Candidate Starts for HaveUMetTed_28:

(31, 15996), (Start: 40 @16050 has 81 MA's), (56, 16164), (66, 16230), (67, 16233), (73, 16242), (84, 16278), (94, 16329), (118, 16401), (139, 16473), (183, 16593), (185, 16596), (207, 16665), (219, 16710), (251, 16803), (257, 16812), (272, 16857), (281, 16896), (288, 16920), (292, 16932), (301, 16965), (305, 16983), (309, 17004), (320, 17052), (322, 17058), (327, 17073), (330, 17082), (332, 17094), (334, 17103), (351, 17196), (372, 17283), (375, 17313), (376, 17316), (383, 17343), (385, 17355), (397, 17409), (402, 17430), (408, 17460), (419, 17496), (470, 17622), (484, 17676), (499, 17721), (512, 17769), (522, 17811), (526, 17820), (540, 17850), (573, 17922), (577, 17928), (595, 17949), (596, 17952), (600, 17964), (638, 18081), (642, 18090), (673, 18162), (674, 18165), (692, 18201), (712, 18252), (713, 18255), (715, 18264), (750, 18447), (771, 18513), (775, 18525), (797, 18567), (811, 18630), (832, 18687), (841, 18756), (848, 18792), (864, 18873), (889, 19008), (891, 19020),

Gene: Heathen_25 Start: 15296, Stop: 18334, Start Num: 39

Candidate Starts for Heathen_25:

(Start: 39 @15296 has 32 MA's), (64, 15470), (67, 15482), (78, 15515), (139, 15725), (185, 15848), (195, 15869), (251, 16055), (261, 16076), (272, 16109), (288, 16172), (292, 16184), (301, 16217), (305, 16235), (320, 16304), (322, 16310), (327, 16325), (330, 16334), (332, 16346), (334, 16355), (351, 16448), (375, 16565), (376, 16568), (383, 16595), (385, 16607), (397, 16661), (402, 16682), (406, 16703), (419, 16748), (433, 16787), (472, 16880), (484, 16928), (499, 16973), (503, 16988), (522, 17063), (526, 17072), (530, 17084), (540, 17102), (548, 17117), (573, 17174), (595, 17201), (596, 17204), (604, 17225), (648, 17354), (657, 17375), (673, 17414), (692, 17453), (700, 17474), (712, 17504), (713, 17507), (715, 17516), (719, 17540), (734, 17609), (738, 17630), (750, 17699), (757, 17717), (771, 17765), (775, 17777), (797, 17819), (800, 17831), (810, 17879), (848, 18050), (852, 18080), (860, 18110), (864, 18131), (889, 18266), (891, 18278), (896, 18314),

Gene: Heffalump_28 Start: 18467, Stop: 21010, Start Num: 103

Candidate Starts for Heffalump_28:

(Start: 103 @18467 has 89 MA's), (168, 18644), (170, 18647), (171, 18650), (240, 18818), (242, 18824), (249, 18845), (251, 18854), (261, 18875), (272, 18908), (279, 18941), (305, 19034), (315, 19082), (318, 19100), (330, 19133), (332, 19145), (333, 19148), (334, 19154), (337, 19175), (338, 19178), (375, 19364), (385, 19406), (386, 19415), (388, 19424), (400, 19472), (402, 19481), (419, 19547), (433, 19586), (472, 19679), (477, 19697), (499, 19772), (526, 19871), (531, 19886), (534, 19892), (540, 19901), (548, 19916), (558, 19937), (567, 19958), (578, 19982), (596, 20003), (597, 20009), (609, 20042), (612, 20054), (614, 20063), (648, 20153), (673, 20213), (686, 20240), (712, 20303), (720, 20348), (749, 20486), (802, 20576), (806, 20585), (842, 20696), (847, 20726), (863, 20810),

Gene: HelDan_25 Start: 15548, Stop: 18586, Start Num: 39

Candidate Starts for HelDan_25:

(Start: 39 @15548 has 32 MA's), (64, 15722), (67, 15734), (78, 15767), (139, 15977), (185, 16100), (195, 16121), (251, 16307), (261, 16328), (272, 16361), (288, 16424), (292, 16436), (301, 16469), (305, 16487), (320, 16556), (322, 16562), (327, 16577), (330, 16586), (332, 16598), (334, 16607), (351, 16700), (375, 16817), (376, 16820), (383, 16847), (385, 16859), (397, 16913), (402, 16934), (406, 16955), (419, 17000), (433, 17039), (472, 17132), (484, 17180), (499, 17225), (503, 17240), (522, 17315), (526, 17324), (530, 17336), (540, 17354), (548, 17369), (573, 17426), (595, 17453), (596, 17456), (604, 17477), (648, 17606), (657, 17627), (673, 17666), (692, 17705), (700, 17726), (712, 17756), (713, 17759), (715, 17768), (719, 17792), (734, 17861), (738, 17882), (750, 17951), (757, 17969), (771, 18017), (775, 18029), (797, 18071), (800, 18083), (810, 18131), (848, 18302), (852, 18332), (860, 18362), (864, 18383), (889, 18518), (891, 18530), (896, 18566),

Gene: Heliosoles_27 Start: 16057, Stop: 19083, Start Num: 40

Candidate Starts for Heliosoles_27:

(31, 16003), (Start: 40 @16057 has 81 MA's), (56, 16171), (66, 16237), (67, 16240), (73, 16249), (84, 16285), (94, 16336), (118, 16408), (139, 16480), (183, 16600), (185, 16603), (207, 16672), (219, 16717), (251, 16810), (257, 16819), (272, 16864), (281, 16903), (288, 16927), (292, 16939), (301, 16972), (305, 16990), (309, 17011), (320, 17059), (322, 17065), (327, 17080), (330, 17089), (332, 17101), (334, 17110), (351, 17203), (372, 17290), (375, 17320), (376, 17323), (383, 17350), (385, 17362), (397, 17416), (402, 17437), (408, 17467), (419, 17503), (470, 17629), (484, 17683), (499, 17728), (512, 17776), (522, 17818), (526, 17827), (540, 17857), (573, 17929), (577, 17935), (595, 17956), (596, 17959), (600, 17971), (638, 18088), (642, 18097), (673, 18169), (674, 18172), (692, 18208), (712, 18259), (713, 18262), (715, 18271), (750, 18454), (771, 18520), (775, 18532), (797, 18574), (811, 18637), (832, 18694), (841, 18763), (848, 18799), (864, 18880), (889, 19015), (891, 19027),

Gene: Helmet_30 Start: 16733, Stop: 18937, Start Num: 124

Candidate Starts for Helmet_30:

(65, 16574), (98, 16688), (Start: 124 @16733 has 42 MA's), (166, 16844), (217, 17000), (263, 17147), (267, 17159), (308, 17309), (314, 17342), (336, 17432), (349, 17501), (404, 17744), (495, 17882), (599, 18002), (701, 18155), (734, 18218), (743, 18260), (770, 18359), (776, 18380), (783, 18401), (792, 18422), (806, 18473), (808, 18485), (813, 18500), (835, 18581), (847, 18659),

Gene: Herbertwm_23 Start: 15323, Stop: 17746, Start Num: 152

Candidate Starts for Herbertwm_23:

(Start: 152 @15323 has 2 MA's), (158, 15341), (163, 15353), (171, 15374), (173, 15380), (200, 15452), (217, 15518), (220, 15530), (243, 15593), (256, 15641), (261, 15656), (272, 15689), (276, 15704), (282, 15731), (290, 15758), (300, 15794), (307, 15824), (308, 15827), (309, 15836), (330, 15914), (334, 15935), (335, 15947), (341, 15977), (364, 16073), (371, 16109), (377, 16160), (391, 16238), (418, 16343), (442, 16388), (498, 16526), (523, 16616), (604, 16766), (636, 16859), (654, 16901), (701, 16976), (734, 17039), (761, 17156), (770, 17180), (776, 17201), (783, 17222), (799, 17267), (806, 17294), (816, 17330), (858, 17528), (863, 17549), (891, 17690),

Gene: Hercules11_27 Start: 15986, Stop: 19012, Start Num: 40

Candidate Starts for Hercules11_27:

(31, 15932), (Start: 40 @15986 has 81 MA's), (56, 16100), (66, 16166), (67, 16169), (73, 16178), (84, 16214), (94, 16265), (118, 16337), (139, 16409), (183, 16529), (185, 16532), (207, 16601), (219, 16646), (251, 16739), (257, 16748), (263, 16766), (272, 16793), (288, 16856), (292, 16868), (301, 16901), (305, 16919), (318, 16985), (320, 16988), (322, 16994), (327, 17009), (330, 17018), (332, 17030), (334, 17039), (347, 17117), (351, 17132), (375, 17249), (376, 17252), (383, 17279), (385, 17291), (397, 17345), (402, 17366), (419, 17432), (433, 17471), (472, 17564), (484, 17612), (499, 17657), (512, 17705), (522, 17747), (526, 17756), (540, 17786), (541, 17789), (548, 17801), (573, 17858), (577, 17864), (595, 17885), (596, 17888), (642, 18026), (648, 18038), (673, 18098), (699, 18155), (734, 18293), (738, 18314), (742, 18338), (750, 18383), (757, 18401), (771, 18449), (775,

18461), (797, 18503), (811, 18566), (832, 18623), (841, 18692), (848, 18728), (864, 18809), (889, 18944),

Gene: Hermia_26 Start: 17387, Stop: 19858, Start Num: 106

Candidate Starts for Hermia_26:

(Start: 106 @17387 has 199 MA's), (119, 17426), (141, 17489), (Start: 151 @17519 has 22 MA's), (160, 17540), (174, 17561), (178, 17573), (186, 17591), (236, 17615), (255, 17681), (308, 17879), (314, 17912), (332, 17978), (381, 18233), (385, 18254), (390, 18281), (423, 18377), (440, 18407), (467, 18440), (490, 18476), (542, 18569), (552, 18590), (583, 18647), (630, 18767), (639, 18803), (655, 18833), (666, 18869), (693, 18935), (700, 18956), (715, 18998), (734, 19097), (769, 19238), (778, 19259), (822, 19394), (872, 19682), (885, 19769), (892, 19808),

Gene: HermioneGrange_24 Start: 16299, Stop: 18779, Start Num: 106

Candidate Starts for HermioneGrange_24:

(Start: 106 @16299 has 199 MA's), (119, 16338), (141, 16401), (Start: 151 @16431 has 22 MA's), (174, 16473), (278, 16680), (284, 16698), (308, 16788), (322, 16851), (330, 16875), (332, 16887), (341, 16938), (451, 17322), (518, 17424), (529, 17463), (549, 17490), (559, 17514), (619, 17643), (655, 17742), (693, 17844), (700, 17865), (705, 17877), (715, 17907), (734, 18006), (746, 18069), (772, 18159), (814, 18288), (823, 18321), (852, 18492), (872, 18603), (882, 18669), (885, 18690), (892, 18729), (896, 18759),

Gene: Hexamo_29 Start: 16689, Stop: 18905, Start Num: 124

Candidate Starts for Hexamo_29:

(98, 16644), (Start: 124 @16689 has 42 MA's), (166, 16800), (217, 16956), (263, 17103), (267, 17115), (307, 17262), (308, 17265), (314, 17298), (336, 17388), (349, 17457), (368, 17532), (404, 17700), (599, 17958), (628, 18003), (701, 18111), (734, 18174), (743, 18216), (770, 18315), (776, 18336), (792, 18378), (806, 18429), (813, 18456), (835, 18537), (847, 18627),

Gene: Holex_26 Start: 17594, Stop: 20503, Start Num: 54

Candidate Starts for Holex_26:

(Start: 54 @17594 has 33 MA's), (56, 17606), (66, 17666), (110, 17825), (127, 17888), (148, 17951), (164, 17993), (185, 18050), (199, 18089), (253, 18260), (257, 18266), (262, 18281), (287, 18371), (288, 18374), (292, 18386), (304, 18428), (314, 18482), (334, 18557), (337, 18578), (338, 18581), (341, 18599), (353, 18662), (371, 18728), (375, 18767), (382, 18794), (385, 18809), (391, 18839), (397, 18863), (400, 18875), (402, 18884), (419, 18950), (433, 18989), (455, 19055), (472, 19082), (479, 19109), (499, 19175), (511, 19220), (534, 19295), (558, 19340), (567, 19361), (577, 19382), (578, 19385), (595, 19403), (596, 19406), (606, 19433), (613, 19460), (633, 19514), (712, 19706), (716, 19721), (720, 19751), (731, 19802), (749, 19889), (751, 19898), (766, 19949), (797, 20012), (803, 20033), (810, 20069), (826, 20105), (827, 20111), (841, 20189), (846, 20216), (857, 20276), (872, 20345), (876, 20375), (882, 20402), (891, 20441), (897, 20483),

Gene: Holli_25 Start: 15675, Stop: 18275, Start Num: 104

Candidate Starts for Holli_25:

(Start: 104 @15675 has 113 MA's), (Start: 151 @15816 has 22 MA's), (Start: 162 @15834 has 10 MA's), (233, 16041), (245, 16080), (251, 16110), (284, 16227), (292, 16254), (308, 16317), (322, 16380), (334, 16425), (341, 16467), (357, 16551), (446, 16818), (474, 16869), (489, 16914), (519, 16992), (532, 17031), (614, 17199), (622, 17220), (632, 17244), (657, 17310), (683, 17364), (700, 17412), (719, 17478), (750, 17643), (757, 17661), (803, 17787), (856, 18039), (857, 18042), (860, 18051), (872, 18111), (889, 18207), (896, 18255),

Gene: Homines_24 Start: 16444, Stop: 19104, Start Num: 106

Candidate Starts for Homines_24:

(Start: 106 @16444 has 199 MA's), (119, 16483), (141, 16546), (143, 16552), (Start: 151 @16576 has 22 MA's), (174, 16618), (308, 16927), (322, 16990), (334, 17035), (339, 17059), (353, 17134), (356, 17146), (440, 17467), (555, 17797), (576, 17848), (586, 17875), (655, 18079), (695, 18193), (700, 18202), (708, 18223), (715, 18244), (734, 18343), (743, 18385), (744, 18388), (784, 18517), (810, 18601), (823, 18646), (872, 18928), (885, 19015), (892, 19054), (896, 19084),

Gene: Hookmount_26 Start: 16044, Stop: 19082, Start Num: 39

Candidate Starts for Hookmount_26:

(Start: 39 @16044 has 32 MA's), (64, 16218), (67, 16230), (78, 16263), (139, 16470), (147, 16491), (183, 16590), (185, 16593), (251, 16803), (261, 16824), (272, 16857), (288, 16920), (292, 16932), (301, 16965), (305, 16983), (309, 17004), (320, 17052), (322, 17058), (327, 17073), (330, 17082), (332, 17094), (334, 17103), (351, 17196), (375, 17313), (376, 17316), (383, 17343), (385, 17355), (397, 17409), (402, 17430), (419, 17496), (433, 17535), (484, 17676), (499, 17721), (522, 17811), (526, 17820), (540, 17850), (567, 17907), (573, 17922), (595, 17949), (596, 17952), (603, 17970), (638, 18081), (673, 18162), (699, 18219), (714, 18261), (734, 18357), (738, 18378), (742, 18402), (750, 18447), (757, 18465), (771, 18513), (775, 18525), (797, 18567), (800, 18579), (810, 18627), (848, 18798), (860, 18858), (862, 18870), (869, 18897), (872, 18918), (889, 19014), (896, 19062),

Gene: Hoot_29 Start: 16714, Stop: 18918, Start Num: 124

Candidate Starts for Hoot_29:

(65, 16555), (98, 16669), (Start: 124 @16714 has 42 MA's), (166, 16825), (168, 16831), (206, 16939), (217, 16981), (239, 17047), (267, 17140), (276, 17167), (308, 17290), (314, 17323), (336, 17413), (349, 17482), (404, 17725), (495, 17863), (599, 17983), (701, 18136), (734, 18199), (743, 18241), (770, 18340), (776, 18361), (783, 18382), (792, 18403), (806, 18454), (808, 18466), (813, 18481), (835, 18562), (847, 18640),

Gene: Hope4ever_24 Start: 16765, Stop: 19242, Start Num: 107

Candidate Starts for Hope4ever_24:

(Start: 107 @16765 has 8 MA's), (112, 16780), (Start: 151 @16894 has 22 MA's), (174, 16936), (278, 17143), (284, 17161), (308, 17251), (322, 17314), (330, 17338), (332, 17350), (341, 17401), (370, 17527), (451, 17785), (518, 17887), (529, 17926), (542, 17941), (549, 17953), (559, 17977), (619, 18106), (655, 18205), (693, 18307), (700, 18328), (715, 18370), (734, 18469), (746, 18532), (814, 18751), (823, 18784), (872, 19066), (882, 19132), (885, 19153), (892, 19192), (894, 19207),

Gene: HortumSL17_27 Start: 17590, Stop: 20499, Start Num: 54

Candidate Starts for HortumSL17_27:

(Start: 54 @17590 has 33 MA's), (56, 17602), (66, 17662), (110, 17821), (127, 17884), (148, 17947), (164, 17989), (185, 18046), (253, 18256), (257, 18262), (262, 18277), (287, 18367), (288, 18370), (292, 18382), (304, 18424), (314, 18478), (334, 18553), (337, 18574), (338, 18577), (341, 18595), (353, 18658), (371, 18724), (375, 18763), (382, 18790), (385, 18805), (391, 18835), (397, 18859), (400, 18871), (402, 18880), (419, 18946), (433, 18985), (455, 19051), (472, 19078), (479, 19105), (499, 19171), (511, 19216), (534, 19291), (558, 19336), (567, 19357), (577, 19378), (578, 19381), (595, 19399), (596, 19402), (606, 19429), (633, 19510), (648, 19552), (712, 19702), (716, 19717), (720, 19747), (731, 19798), (749, 19885), (751, 19894), (766, 19945), (797, 20008), (803, 20029), (810, 20065), (826, 20101), (827, 20107), (841, 20185), (846, 20212), (857, 20272), (872, 20341), (876, 20371), (882, 20398), (891, 20437), (897, 20479),

Gene: Houdini22_25 Start: 16030, Stop: 18489, Start Num: 151

Candidate Starts for Houdini22_25:

(Start: 104 @15889 has 113 MA's), (Start: 151 @16030 has 22 MA's), (Start: 162 @16048 has 10 MA's), (233, 16255), (245, 16294), (251, 16324), (284, 16441), (292, 16468), (308, 16531), (322, 16594), (334, 16639), (341, 16681), (357, 16765), (446, 17032), (474, 17083), (489, 17128), (519, 17206), (530, 17239), (532, 17245), (545, 17266), (614, 17413), (622, 17434), (632, 17458), (657,

17524), (683, 17578), (700, 17626), (719, 17692), (750, 17857), (757, 17875), (803, 18001), (856, 18253), (857, 18256), (860, 18265), (872, 18325), (889, 18421), (896, 18469),

Gene: HuhtaEnerson15_22 Start: 15244, Stop: 18582, Start Num: 1

Candidate Starts for HuhtaEnerson15_22:

(Start: 1 @15244 has 30 MA's), (37, 15682), (122, 15994), (144, 16072), (154, 16102), (175, 16159), (204, 16243), (220, 16306), (222, 16312), (262, 16432), (287, 16522), (288, 16525), (308, 16600), (317, 16645), (322, 16663), (326, 16675), (334, 16708), (337, 16729), (376, 16921), (409, 17059), (425, 17107), (514, 17311), (524, 17323), (533, 17347), (570, 17410), (650, 17602), (669, 17632), (677, 17656), (683, 17668), (706, 17731), (734, 17854), (739, 17875), (743, 17896), (762, 17974), (770, 17995), (783, 18037), (792, 18058), (816, 18145), (825, 18175), (839, 18238), (842, 18256), (856, 18337), (860, 18349), (862, 18361), (864, 18370), (875, 18424), (888, 18508), (889, 18517), (893, 18547),

Gene: Hutc2_26 Start: 17160, Stop: 19706, Start Num: 113

Candidate Starts for Hutc2_26:

(Start: 113 @17160 has 22 MA's), (Start: 120 @17178 has 2 MA's), (186, 17352), (194, 17361), (217, 17436), (245, 17490), (260, 17544), (264, 17559), (265, 17562), (272, 17580), (288, 17643), (292, 17655), (308, 17718), (322, 17781), (327, 17796), (330, 17805), (334, 17826), (338, 17850), (341, 17865), (359, 17952), (361, 17955), (366, 17970), (370, 17991), (372, 18003), (381, 18069), (396, 18141), (404, 18165), (436, 18246), (439, 18255), (443, 18267), (466, 18309), (497, 18366), (515, 18420), (560, 18528), (575, 18567), (628, 18708), (674, 18804), (681, 18825), (694, 18858), (711, 18891), (713, 18894), (733, 18978), (743, 19023), (744, 19026), (772, 19140), (783, 19173), (806, 19245), (816, 19281), (835, 19353), (847, 19431), (857, 19485), (863, 19509), (886, 19620),

Gene: ICleared_25 Start: 16024, Stop: 18483, Start Num: 151

Candidate Starts for ICleared_25:

(Start: 104 @15883 has 113 MA's), (Start: 151 @16024 has 22 MA's), (Start: 162 @16042 has 10 MA's), (233, 16249), (245, 16288), (251, 16318), (284, 16435), (292, 16462), (308, 16525), (322, 16588), (334, 16633), (341, 16675), (357, 16759), (446, 17026), (474, 17077), (489, 17122), (519, 17200), (530, 17233), (532, 17239), (614, 17407), (622, 17428), (632, 17452), (657, 17518), (683, 17572), (700, 17620), (719, 17686), (750, 17851), (757, 17869), (803, 17995), (856, 18247), (857, 18250), (860, 18259), (872, 18319), (889, 18415), (896, 18463),

Gene: ILeeKay_26 Start: 16526, Stop: 19006, Start Num: 106

Candidate Starts for ILeeKay_26:

(Start: 106 @16526 has 199 MA's), (119, 16565), (141, 16628), (Start: 151 @16658 has 22 MA's), (174, 16700), (278, 16907), (284, 16925), (308, 17015), (322, 17078), (330, 17102), (332, 17114), (341, 17165), (451, 17549), (518, 17651), (529, 17690), (549, 17717), (559, 17741), (655, 17969), (693, 18071), (700, 18092), (705, 18104), (715, 18134), (734, 18233), (746, 18296), (814, 18515), (823, 18548), (872, 18830), (885, 18917), (892, 18956), (894, 18971),

Gene: Iceman_26 Start: 16174, Stop: 18774, Start Num: 104

Candidate Starts for Iceman_26:

(Start: 104 @16174 has 113 MA's), (Start: 151 @16315 has 22 MA's), (Start: 162 @16333 has 10 MA's), (233, 16540), (245, 16579), (251, 16609), (284, 16726), (292, 16753), (308, 16816), (322, 16879), (334, 16924), (341, 16966), (357, 17050), (446, 17317), (474, 17368), (489, 17413), (519, 17491), (530, 17524), (532, 17530), (582, 17626), (595, 17635), (614, 17698), (622, 17719), (633, 17746), (644, 17779), (655, 17803), (657, 17809), (683, 17863), (700, 17911), (719, 17977), (750, 18142), (757, 18160), (803, 18286), (856, 18538), (857, 18541), (860, 18550), (872, 18610), (889, 18706), (896, 18754),

Gene: Ichabod_25 Start: 16373, Stop: 19030, Start Num: 106

Candidate Starts for Ichabod_25:

(Start: 106 @16373 has 199 MA's), (112, 16388), (141, 16472), (143, 16478), (Start: 151 @16502 has 22 MA's), (174, 16544), (308, 16853), (322, 16916), (334, 16961), (339, 16985), (344, 17006), (353, 17060), (356, 17072), (440, 17393), (555, 17723), (576, 17774), (586, 17801), (655, 18005), (695, 18119), (700, 18128), (708, 18149), (715, 18170), (734, 18269), (743, 18311), (744, 18314), (784, 18443), (810, 18527), (823, 18572), (872, 18854), (885, 18941), (892, 18980), (896, 19010),

Gene: Idleandcovert_25 Start: 15495, Stop: 18530, Start Num: 39

Candidate Starts for Idleandcovert_25:

(Start: 39 @15495 has 32 MA's), (64, 15669), (67, 15681), (78, 15714), (139, 15924), (183, 16044), (185, 16047), (251, 16251), (261, 16272), (270, 16302), (272, 16305), (288, 16368), (292, 16380), (301, 16413), (305, 16431), (320, 16500), (322, 16506), (327, 16521), (330, 16530), (332, 16542), (334, 16551), (351, 16644), (375, 16761), (376, 16764), (382, 16788), (383, 16791), (385, 16803), (397, 16857), (402, 16878), (406, 16899), (419, 16944), (429, 16971), (433, 16983), (484, 17124), (499, 17169), (503, 17184), (522, 17259), (526, 17268), (540, 17298), (548, 17313), (549, 17316), (558, 17334), (567, 17355), (568, 17358), (595, 17397), (596, 17400), (624, 17484), (648, 17550), (657, 17571), (673, 17610), (692, 17649), (700, 17670), (712, 17700), (713, 17703), (715, 17712), (719, 17736), (734, 17805), (738, 17826), (750, 17895), (757, 17913), (771, 17961), (775, 17973), (797, 18015), (800, 18027), (810, 18075), (848, 18246), (852, 18276), (860, 18306), (864, 18327), (889, 18462), (896, 18510),

Gene: IgnatiusPatJac_23 Start: 16361, Stop: 18832, Start Num: 106

Candidate Starts for IgnatiusPatJac_23:

(Start: 106 @16361 has 199 MA's), (119, 16400), (141, 16463), (Start: 151 @16493 has 22 MA's), (160, 16514), (174, 16535), (178, 16547), (186, 16565), (255, 16655), (308, 16853), (314, 16886), (332, 16952), (381, 17207), (385, 17228), (390, 17255), (467, 17414), (490, 17450), (542, 17543), (552, 17564), (583, 17621), (630, 17741), (639, 17777), (655, 17807), (666, 17843), (693, 17909), (700, 17930), (734, 18071), (769, 18212), (778, 18233), (822, 18368), (852, 18545), (872, 18656), (882, 18722), (885, 18743), (892, 18782), (896, 18812),

Gene: Indra_29 Start: 16734, Stop: 18938, Start Num: 124

Candidate Starts for Indra_29:

(98, 16689), (Start: 124 @16734 has 42 MA's), (166, 16845), (217, 17001), (263, 17148), (267, 17160), (307, 17307), (308, 17310), (314, 17343), (336, 17433), (349, 17502), (368, 17577), (404, 17745), (599, 18003), (628, 18048), (701, 18156), (734, 18219), (743, 18261), (770, 18360), (776, 18381), (783, 18402), (792, 18423), (806, 18474), (808, 18486), (813, 18501), (835, 18582), (847, 18660),

Gene: Insomnia_26 Start: 17215, Stop: 19761, Start Num: 113

Candidate Starts for Insomnia_26:

(Start: 113 @17215 has 22 MA's), (Start: 120 @17233 has 2 MA's), (186, 17407), (194, 17416), (217, 17491), (245, 17545), (260, 17599), (264, 17614), (265, 17617), (272, 17635), (288, 17698), (292, 17710), (308, 17773), (322, 17836), (327, 17851), (330, 17860), (334, 17881), (338, 17905), (341, 17920), (359, 18007), (361, 18010), (366, 18025), (370, 18046), (372, 18058), (381, 18124), (396, 18196), (404, 18220), (436, 18301), (439, 18310), (443, 18322), (466, 18364), (497, 18421), (515, 18475), (560, 18583), (575, 18622), (628, 18763), (674, 18859), (681, 18880), (694, 18913), (711, 18946), (713, 18949), (733, 19033), (743, 19078), (744, 19081), (772, 19195), (783, 19228), (806, 19300), (816, 19336), (835, 19408), (847, 19486), (857, 19540), (863, 19564), (886, 19675),

Gene: Inyanga_23 Start: 16138, Stop: 18609, Start Num: 106

Candidate Starts for Inyanga_23:

(Start: 106 @16138 has 199 MA's), (119, 16177), (141, 16240), (Start: 151 @16270 has 22 MA's), (160, 16291), (174, 16312), (178, 16324), (186, 16342), (255, 16432), (308, 16630), (314, 16663),

(332, 16729), (381, 16984), (385, 17005), (390, 17032), (467, 17191), (490, 17227), (542, 17320), (552, 17341), (583, 17398), (630, 17518), (639, 17554), (655, 17584), (666, 17620), (693, 17686), (700, 17707), (715, 17749), (734, 17848), (769, 17989), (778, 18010), (822, 18145), (852, 18322), (872, 18433), (882, 18499), (885, 18520), (892, 18559), (894, 18574),

Gene: Iracema64_26 Start: 16196, Stop: 18796, Start Num: 104

Candidate Starts for Iracema64_26:

(Start: 104 @16196 has 113 MA's), (Start: 151 @16337 has 22 MA's), (Start: 162 @16355 has 10 MA's), (214, 16511), (233, 16562), (251, 16631), (284, 16748), (292, 16775), (308, 16838), (334, 16946), (341, 16988), (357, 17072), (446, 17339), (474, 17390), (489, 17435), (519, 17513), (530, 17546), (532, 17552), (597, 17666), (614, 17720), (632, 17765), (655, 17825), (683, 17885), (719, 17999), (750, 18164), (757, 18182), (803, 18308), (856, 18560), (857, 18563), (860, 18572), (872, 18632), (889, 18728), (896, 18776),

Gene: IronMan_28 Start: 18329, Stop: 20707, Start Num: 142

Candidate Starts for IronMan_28:

(Start: 135 @18311 has 6 MA's), (Start: 142 @18329 has 5 MA's), (153, 18362), (155, 18368), (195, 18464), (207, 18506), (237, 18569), (239, 18572), (250, 18614), (267, 18662), (269, 18668), (271, 18677), (278, 18716), (289, 18752), (292, 18761), (308, 18824), (314, 18857), (327, 18902), (332, 18923), (334, 18932), (353, 19037), (384, 19178), (457, 19346), (460, 19352), (474, 19373), (475, 19376), (490, 19424), (493, 19430), (565, 19610), (648, 19820), (663, 19856), (676, 19907), (699, 19967), (712, 20000), (715, 20012), (720, 20045), (721, 20048), (746, 20186), (749, 20198), (782, 20240), (803, 20288), (807, 20294), (863, 20504),

Gene: Isca_25 Start: 15423, Stop: 18467, Start Num: 39

Candidate Starts for Isca_25:

(Start: 39 @15423 has 32 MA's), (64, 15597), (67, 15609), (139, 15852), (183, 15972), (185, 15975), (254, 16197), (272, 16242), (292, 16317), (301, 16350), (305, 16368), (308, 16380), (325, 16446), (332, 16479), (334, 16488), (341, 16530), (351, 16581), (375, 16698), (385, 16740), (397, 16794), (402, 16815), (416, 16872), (419, 16881), (470, 17007), (472, 17013), (479, 17040), (499, 17106), (503, 17121), (511, 17151), (512, 17154), (526, 17205), (530, 17217), (541, 17238), (548, 17250), (558, 17271), (573, 17307), (595, 17334), (607, 17367), (610, 17379), (624, 17421), (648, 17487), (673, 17547), (692, 17586), (712, 17637), (713, 17640), (715, 17649), (719, 17673), (734, 17742), (738, 17763), (750, 17832), (757, 17850), (771, 17898), (775, 17910), (797, 17952), (800, 17964), (810, 18012), (848, 18183), (860, 18243), (864, 18264), (889, 18399), (891, 18411), (896, 18447),

Gene: Isiphiwo_29 Start: 16726, Stop: 18930, Start Num: 124

Candidate Starts for Isiphiwo_29:

(Start: 124 @16726 has 42 MA's), (166, 16837), (168, 16843), (206, 16951), (217, 16993), (239, 17059), (267, 17152), (276, 17179), (308, 17302), (314, 17335), (336, 17425), (349, 17494), (404, 17737), (495, 17875), (599, 17995), (701, 18148), (734, 18211), (743, 18253), (770, 18352), (776, 18373), (783, 18394), (792, 18415), (806, 18466), (808, 18478), (813, 18493), (835, 18574), (847, 18652),

Gene: Iwokeuplikedis_27 Start: 16605, Stop: 18896, Start Num: 152

Candidate Starts for Iwokeuplikedis_27:

(138, 16563), (Start: 152 @16605 has 2 MA's), (158, 16623), (163, 16635), (171, 16656), (173, 16662), (206, 16758), (217, 16800), (237, 16863), (251, 16911), (259, 16932), (267, 16959), (292, 17046), (299, 17073), (308, 17109), (314, 17142), (321, 17166), (327, 17187), (330, 17196), (334, 17217), (338, 17241), (341, 17259), (383, 17457), (401, 17529), (402, 17535), (404, 17544), (414, 17592), (417, 17601), (468, 17667), (494, 17724), (602, 17913), (608, 17925), (618, 17958), (636, 18003), (658, 18054), (698, 18114), (701, 18120), (734, 18183), (770, 18324), (776, 18345), (783, 18366), (787, 18375), (792, 18387), (799, 18411), (816, 18474), (863, 18693),

Gene: JC27_26 Start: 17262, Stop: 19742, Start Num: 106

Candidate Starts for JC27_26:

(Start: 106 @17262 has 199 MA's), (119, 17301), (131, 17346), (141, 17364), (143, 17370), (Start: 151 @17394 has 22 MA's), (174, 17436), (278, 17643), (284, 17661), (308, 17751), (322, 17814), (332, 17850), (341, 17901), (451, 18285), (518, 18387), (529, 18426), (542, 18441), (549, 18453), (559, 18477), (655, 18705), (693, 18807), (700, 18828), (715, 18870), (734, 18969), (746, 19032), (814, 19251), (823, 19284), (872, 19566), (882, 19632), (885, 19653), (892, 19692), (894, 19707),

Gene: JF2_25 Start: 15174, Stop: 18218, Start Num: 39

Candidate Starts for JF2_25:

(Start: 39 @15174 has 32 MA's), (64, 15348), (67, 15360), (139, 15603), (183, 15723), (185, 15726), (254, 15948), (272, 15993), (292, 16068), (301, 16101), (305, 16119), (308, 16131), (325, 16197), (332, 16230), (334, 16239), (341, 16281), (351, 16332), (375, 16449), (385, 16491), (397, 16545), (402, 16566), (416, 16623), (419, 16632), (470, 16758), (472, 16764), (479, 16791), (499, 16857), (503, 16872), (511, 16902), (512, 16905), (526, 16956), (530, 16968), (541, 16989), (548, 17001), (558, 17022), (573, 17058), (595, 17085), (607, 17118), (610, 17130), (624, 17172), (648, 17238), (673, 17298), (692, 17337), (712, 17388), (713, 17391), (715, 17400), (719, 17424), (734, 17493), (738, 17514), (750, 17583), (757, 17601), (771, 17649), (775, 17661), (797, 17703), (800, 17715), (810, 17763), (848, 17934), (860, 17994), (864, 18015), (889, 18150), (891, 18162), (896, 18198),

Gene: JF4_25 Start: 15174, Stop: 18218, Start Num: 39

Candidate Starts for JF4_25:

(Start: 39 @15174 has 32 MA's), (64, 15348), (67, 15360), (139, 15603), (183, 15723), (185, 15726), (254, 15948), (272, 15993), (292, 16068), (301, 16101), (305, 16119), (308, 16131), (325, 16197), (332, 16230), (334, 16239), (341, 16281), (351, 16332), (375, 16449), (385, 16491), (397, 16545), (402, 16566), (416, 16623), (419, 16632), (470, 16758), (472, 16764), (479, 16791), (499, 16857), (503, 16872), (511, 16902), (512, 16905), (526, 16956), (530, 16968), (541, 16989), (548, 17001), (558, 17022), (573, 17058), (595, 17085), (607, 17118), (610, 17130), (624, 17172), (648, 17238), (673, 17298), (692, 17337), (712, 17388), (713, 17391), (715, 17400), (719, 17424), (734, 17493), (738, 17514), (750, 17583), (757, 17601), (771, 17649), (775, 17661), (797, 17703), (800, 17715), (810, 17763), (848, 17934), (860, 17994), (864, 18015), (889, 18150), (891, 18162), (896, 18198),

Gene: JHC117_27 Start: 15977, Stop: 19003, Start Num: 40

Candidate Starts for JHC117_27:

(31, 15923), (Start: 40 @15977 has 81 MA's), (56, 16091), (66, 16157), (67, 16160), (73, 16169), (84, 16205), (94, 16256), (118, 16328), (139, 16400), (183, 16520), (185, 16523), (207, 16592), (219, 16637), (251, 16730), (257, 16739), (263, 16757), (272, 16784), (288, 16847), (292, 16859), (301, 16892), (305, 16910), (318, 16976), (320, 16979), (322, 16985), (327, 17000), (330, 17009), (332, 17021), (334, 17030), (347, 17108), (351, 17123), (375, 17240), (376, 17243), (383, 17270), (385, 17282), (397, 17336), (402, 17357), (419, 17423), (433, 17462), (472, 17555), (484, 17603), (499, 17648), (512, 17696), (522, 17738), (526, 17747), (540, 17777), (541, 17780), (548, 17792), (573, 17849), (577, 17855), (595, 17876), (596, 17879), (642, 18017), (648, 18029), (673, 18089), (699, 18146), (734, 18284), (738, 18305), (742, 18329), (750, 18374), (757, 18392), (771, 18440), (775, 18452), (797, 18494), (811, 18557), (832, 18614), (841, 18683), (848, 18719), (864, 18800), (889, 18935),

Gene: JSwag_28 Start: 15741, Stop: 18095, Start Num: 117

Candidate Starts for JSwag_28:

(Start: 115 @15732 has 1 MA's), (Start: 117 @15741 has 4 MA's), (Start: 182 @15909 has 15 MA's), (262, 16149), (263, 16155), (283, 16224), (299, 16281), (334, 16425), (341, 16467), (350, 16515), (351, 16518), (374, 16629), (377, 16647), (404, 16752), (417, 16800), (486, 16905), (515, 16965), (546, 17019), (564, 17055), (582, 17079), (591, 17088), (617, 17151), (627, 17172), (632, 17187),

(639, 17211), (646, 17223), (677, 17277), (690, 17298), (701, 17328), (754, 17499), (760, 17520), (792, 17604), (864, 17907), (889, 18030), (891, 18042),

Gene: Jaan_29 Start: 18718, Stop: 21096, Start Num: 142

Candidate Starts for Jaan_29:

(Start: 135 @18700 has 6 MA's), (Start: 142 @18718 has 5 MA's), (153, 18751), (155, 18757), (195, 18853), (207, 18895), (267, 19051), (271, 19066), (277, 19096), (278, 19105), (289, 19141), (292, 19150), (308, 19213), (314, 19246), (327, 19291), (332, 19312), (334, 19321), (353, 19426), (384, 19567), (457, 19735), (460, 19741), (490, 19813), (554, 19981), (565, 19999), (630, 20155), (648, 20209), (663, 20245), (676, 20296), (699, 20356), (712, 20389), (715, 20401), (720, 20434), (721, 20437), (746, 20575), (749, 20587), (782, 20629), (799, 20665), (803, 20677), (807, 20683), (863, 20893),

Gene: Jabiru_22 Start: 15139, Stop: 17952, Start Num: 2

Candidate Starts for Jabiru_22:

(Start: 2 @15139 has 8 MA's), (10, 15328), (84, 15676), (122, 15811), (123, 15817), (202, 15910), (222, 15961), (239, 15997), (266, 16087), (282, 16153), (288, 16174), (308, 16249), (314, 16282), (330, 16336), (335, 16369), (336, 16372), (338, 16381), (357, 16480), (368, 16513), (389, 16642), (448, 16807), (465, 16840), (496, 16873), (562, 16954), (568, 16966), (590, 16999), (640, 17077), (645, 17086), (696, 17152), (706, 17161), (734, 17224), (743, 17266), (760, 17338), (770, 17365), (773, 17380), (783, 17407), (792, 17428), (816, 17515), (825, 17545), (839, 17608), (856, 17707), (860, 17719), (862, 17731), (864, 17740), (889, 17887),

Gene: Jabith_26 Start: 17215, Stop: 19761, Start Num: 113

Candidate Starts for Jabith_26:

(Start: 113 @17215 has 22 MA's), (Start: 120 @17233 has 2 MA's), (186, 17407), (194, 17416), (217, 17491), (245, 17545), (260, 17599), (264, 17614), (265, 17617), (272, 17635), (288, 17698), (292, 17710), (308, 17773), (322, 17836), (327, 17851), (330, 17860), (334, 17881), (338, 17905), (341, 17920), (359, 18007), (361, 18010), (366, 18025), (370, 18046), (372, 18058), (381, 18124), (396, 18196), (404, 18220), (436, 18301), (439, 18310), (443, 18322), (466, 18364), (497, 18421), (515, 18475), (560, 18583), (575, 18622), (628, 18763), (674, 18859), (681, 18880), (694, 18913), (711, 18946), (713, 18949), (733, 19033), (743, 19078), (744, 19081), (772, 19195), (783, 19228), (806, 19300), (816, 19336), (835, 19408), (847, 19486), (857, 19540), (863, 19564), (886, 19675),

Gene: JackSparrow_25 Start: 16702, Stop: 19182, Start Num: 106

Candidate Starts for JackSparrow_25:

(Start: 106 @16702 has 199 MA's), (119, 16741), (141, 16804), (Start: 151 @16834 has 22 MA's), (174, 16876), (278, 17083), (284, 17101), (308, 17191), (322, 17254), (330, 17278), (332, 17290), (341, 17341), (451, 17725), (518, 17827), (529, 17866), (549, 17893), (559, 17917), (619, 18046), (655, 18145), (693, 18247), (700, 18268), (705, 18280), (715, 18310), (734, 18409), (746, 18472), (814, 18691), (823, 18724), (852, 18895), (872, 19006), (882, 19072), (885, 19093), (892, 19132), (896, 19162),

Gene: Jasper_25 Start: 16203, Stop: 18683, Start Num: 106

Candidate Starts for Jasper_25:

(Start: 106 @16203 has 199 MA's), (119, 16242), (141, 16305), (Start: 151 @16335 has 22 MA's), (174, 16377), (278, 16584), (284, 16602), (308, 16692), (322, 16755), (330, 16779), (332, 16791), (341, 16842), (451, 17226), (518, 17328), (529, 17367), (549, 17394), (559, 17418), (619, 17547), (655, 17646), (693, 17748), (700, 17769), (705, 17781), (715, 17811), (733, 17907), (734, 17910), (746, 17973), (814, 18192), (823, 18225), (872, 18507), (885, 18594), (892, 18633),

Gene: Jaykayelowell_25 Start: 15881, Stop: 18481, Start Num: 104

Candidate Starts for Jaykayelowell_25:

(Start: 104 @15881 has 113 MA's), (Start: 151 @16022 has 22 MA's), (Start: 162 @16040 has 10 MA's), (233, 16247), (245, 16286), (251, 16316), (284, 16433), (292, 16460), (308, 16523), (322, 16586), (334, 16631), (341, 16673), (357, 16757), (446, 17024), (474, 17075), (489, 17120), (519, 17198), (530, 17231), (532, 17237), (582, 17333), (595, 17342), (614, 17405), (622, 17426), (633, 17453), (655, 17510), (657, 17516), (683, 17570), (700, 17618), (719, 17684), (750, 17849), (757, 17867), (803, 17993), (856, 18245), (857, 18248), (860, 18257), (872, 18317), (889, 18413), (896, 18461),

Gene: Jeeves_25 Start: 15770, Stop: 18166, Start Num: 142

Candidate Starts for Jeeves_25:

(Start: 134 @15749 has 1 MA's), (Start: 142 @15770 has 5 MA's), (195, 15905), (207, 15947), (229, 15989), (233, 16001), (267, 16115), (278, 16169), (292, 16214), (308, 16277), (314, 16310), (337, 16406), (384, 16631), (453, 16790), (475, 16829), (478, 16844), (490, 16883), (565, 17069), (663, 17315), (676, 17366), (699, 17426), (712, 17459), (715, 17471), (720, 17504), (744, 17627), (746, 17645), (749, 17657), (759, 17681), (799, 17735), (803, 17747), (840, 17852), (848, 17894), (863, 17963), (876, 18038), (891, 18104), (896, 18140),

Gene: Jeffabunny_29 Start: 16741, Stop: 18957, Start Num: 124

Candidate Starts for Jeffabunny_29:

(98, 16696), (Start: 124 @16741 has 42 MA's), (166, 16852), (217, 17008), (263, 17155), (267, 17167), (307, 17314), (308, 17317), (314, 17350), (336, 17440), (349, 17509), (368, 17584), (404, 17752), (599, 18010), (628, 18055), (701, 18163), (734, 18226), (743, 18268), (770, 18367), (776, 18388), (792, 18430), (806, 18481), (813, 18508), (835, 18589), (847, 18679),

Gene: JenCasNa_27 Start: 15978, Stop: 19004, Start Num: 40

Candidate Starts for JenCasNa_27:

(31, 15924), (Start: 40 @15978 has 81 MA's), (56, 16092), (66, 16158), (67, 16161), (73, 16170), (84, 16206), (94, 16257), (118, 16329), (139, 16401), (183, 16521), (185, 16524), (207, 16593), (219, 16638), (251, 16731), (257, 16740), (263, 16758), (272, 16785), (288, 16848), (292, 16860), (301, 16893), (305, 16911), (318, 16977), (320, 16980), (322, 16986), (327, 17001), (330, 17010), (332, 17022), (334, 17031), (347, 17109), (351, 17124), (375, 17241), (376, 17244), (383, 17271), (385, 17283), (397, 17337), (402, 17358), (419, 17424), (433, 17463), (472, 17556), (484, 17604), (499, 17649), (512, 17697), (522, 17739), (526, 17748), (540, 17778), (541, 17781), (548, 17793), (573, 17850), (577, 17856), (595, 17877), (596, 17880), (642, 18018), (648, 18030), (673, 18090), (699, 18147), (734, 18285), (738, 18306), (742, 18330), (750, 18375), (757, 18393), (771, 18441), (775, 18453), (797, 18495), (811, 18558), (832, 18615), (841, 18684), (848, 18720), (864, 18801), (889, 18936),

Gene: JeppNRM_28 Start: 16055, Stop: 19081, Start Num: 40

Candidate Starts for JeppNRM_28:

(31, 16001), (Start: 40 @16055 has 81 MA's), (56, 16169), (66, 16235), (67, 16238), (73, 16247), (84, 16283), (94, 16334), (118, 16406), (139, 16478), (183, 16598), (185, 16601), (219, 16715), (251, 16808), (257, 16817), (272, 16862), (281, 16901), (288, 16925), (292, 16937), (301, 16970), (305, 16988), (309, 17009), (320, 17057), (322, 17063), (327, 17078), (330, 17087), (332, 17099), (334, 17108), (351, 17201), (372, 17288), (375, 17318), (376, 17321), (383, 17348), (385, 17360), (397, 17414), (402, 17435), (408, 17465), (419, 17501), (470, 17627), (484, 17681), (499, 17726), (512, 17774), (522, 17816), (526, 17825), (540, 17855), (573, 17927), (577, 17933), (595, 17954), (596, 17957), (600, 17969), (638, 18086), (642, 18095), (673, 18167), (674, 18170), (692, 18206), (700, 18227), (712, 18257), (713, 18260), (715, 18269), (750, 18452), (771, 18518), (775, 18530), (797, 18572), (811, 18635), (832, 18692), (841, 18761), (848, 18797), (864, 18878), (889, 19013), (891, 19025),

Gene: Jerm_28 Start: 17056, Stop: 19599, Start Num: 103

Candidate Starts for Jerm_28:

(Start: 103 @17056 has 89 MA's), (170, 17236), (171, 17239), (Start: 182 @17269 has 15 MA's), (240, 17407), (242, 17413), (249, 17434), (251, 17443), (257, 17452), (261, 17464), (275, 17509), (279, 17530), (287, 17557), (292, 17572), (305, 17623), (314, 17668), (315, 17671), (318, 17689), (330, 17722), (332, 17734), (334, 17743), (337, 17764), (338, 17767), (375, 17953), (385, 17995), (386, 18004), (388, 18013), (402, 18070), (419, 18136), (433, 18175), (472, 18268), (481, 18304), (499, 18361), (518, 18427), (526, 18460), (531, 18475), (534, 18481), (540, 18490), (548, 18505), (558, 18526), (567, 18547), (577, 18568), (578, 18571), (595, 18589), (596, 18592), (612, 18643), (614, 18652), (633, 18700), (637, 18718), (648, 18742), (673, 18802), (686, 18829), (712, 18892), (720, 18937), (749, 19075), (802, 19165), (806, 19174), (826, 19198), (842, 19285), (847, 19315), (863, 19399),

Gene: Jerm2_25 Start: 16571, Stop: 19051, Start Num: 106

Candidate Starts for Jerm2_25:

(Start: 106 @16571 has 199 MA's), (119, 16610), (141, 16673), (Start: 151 @16703 has 22 MA's), (174, 16745), (278, 16952), (284, 16970), (308, 17060), (322, 17123), (330, 17147), (332, 17159), (341, 17210), (451, 17594), (518, 17696), (529, 17735), (542, 17750), (549, 17762), (559, 17786), (619, 17915), (655, 18014), (693, 18116), (700, 18137), (715, 18179), (734, 18278), (746, 18341), (772, 18431), (814, 18560), (823, 18593), (872, 18875), (882, 18941), (885, 18962), (892, 19001), (894, 19016),

Gene: JetBlade_25 Start: 15882, Stop: 18482, Start Num: 104

Candidate Starts for JetBlade_25:

(Start: 104 @15882 has 113 MA's), (Start: 151 @16023 has 22 MA's), (Start: 162 @16041 has 10 MA's), (233, 16248), (245, 16287), (251, 16317), (284, 16434), (292, 16461), (308, 16524), (322, 16587), (334, 16632), (341, 16674), (357, 16758), (446, 17025), (474, 17076), (489, 17121), (519, 17199), (532, 17238), (597, 17352), (614, 17406), (632, 17451), (655, 17511), (668, 17529), (683, 17571), (700, 17619), (719, 17685), (750, 17850), (757, 17868), (803, 17994), (856, 18246), (857, 18249), (860, 18258), (872, 18318), (889, 18414), (896, 18462),

Gene: JewelBug_29 Start: 16740, Stop: 18944, Start Num: 124

Candidate Starts for JewelBug_29:

(65, 16581), (98, 16695), (Start: 124 @16740 has 42 MA's), (166, 16851), (168, 16857), (206, 16965), (217, 17007), (239, 17073), (267, 17166), (276, 17193), (308, 17316), (314, 17349), (336, 17439), (349, 17508), (404, 17751), (495, 17889), (599, 18009), (701, 18162), (734, 18225), (743, 18267), (770, 18366), (776, 18387), (783, 18408), (792, 18429), (806, 18480), (808, 18492), (813, 18507), (835, 18588), (847, 18666),

Gene: Jiawan_26 Start: 17626, Stop: 20535, Start Num: 54

Candidate Starts for Jiawan_26:

(Start: 54 @17626 has 33 MA's), (56, 17638), (66, 17698), (110, 17857), (127, 17920), (148, 17983), (164, 18025), (185, 18082), (199, 18121), (253, 18292), (257, 18298), (262, 18313), (287, 18403), (288, 18406), (292, 18418), (304, 18460), (314, 18514), (334, 18589), (337, 18610), (338, 18613), (341, 18631), (353, 18694), (371, 18760), (375, 18799), (382, 18826), (385, 18841), (391, 18871), (397, 18895), (400, 18907), (402, 18916), (419, 18982), (433, 19021), (455, 19087), (472, 19114), (479, 19141), (499, 19207), (511, 19252), (534, 19327), (558, 19372), (567, 19393), (577, 19414), (578, 19417), (595, 19435), (596, 19438), (606, 19465), (633, 19546), (712, 19738), (716, 19753), (720, 19783), (731, 19834), (749, 19921), (751, 19930), (766, 19981), (797, 20044), (803, 20065), (810, 20101), (826, 20137), (827, 20143), (841, 20221), (846, 20248), (857, 20308), (872, 20377), (876, 20407), (882, 20434), (891, 20473), (897, 20515),

Gene: Jobu08_27 Start: 16051, Stop: 19077, Start Num: 40

Candidate Starts for Jobu08_27:

(31, 15997), (Start: 40 @16051 has 81 MA's), (56, 16165), (66, 16231), (67, 16234), (73, 16243), (84, 16279), (94, 16330), (118, 16402), (139, 16474), (183, 16594), (185, 16597), (207, 16666), (219, 16711), (251, 16804), (257, 16813), (272, 16858), (288, 16921), (292, 16933), (301, 16966), (305, 16984), (318, 17050), (320, 17053), (322, 17059), (327, 17074), (330, 17083), (332, 17095), (334, 17104), (351, 17197), (372, 17284), (375, 17314), (376, 17317), (383, 17344), (385, 17356), (397, 17410), (402, 17431), (408, 17461), (419, 17497), (484, 17677), (499, 17722), (512, 17770), (522, 17812), (526, 17821), (540, 17851), (573, 17923), (595, 17950), (596, 17953), (600, 17965), (638, 18082), (642, 18091), (648, 18103), (673, 18163), (700, 18223), (712, 18253), (713, 18256), (715, 18265), (734, 18358), (750, 18448), (771, 18514), (775, 18526), (797, 18568), (811, 18631), (832, 18688), (841, 18757), (848, 18793), (864, 18874), (889, 19009),

Gene: JoongJeon_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for JoongJeon_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (614, 17409), (622, 17430), (632, 17454), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Jordennis_29 Start: 16725, Stop: 18929, Start Num: 124

Candidate Starts for Jordennis_29:

(65, 16566), (98, 16680), (Start: 124 @16725 has 42 MA's), (166, 16836), (206, 16950), (217, 16992), (256, 17115), (267, 17151), (276, 17178), (308, 17301), (314, 17334), (336, 17424), (349, 17493), (404, 17736), (495, 17874), (599, 17994), (701, 18147), (734, 18210), (743, 18252), (770, 18351), (776, 18372), (783, 18393), (792, 18414), (806, 18465), (808, 18477), (813, 18492), (835, 18573), (847, 18651),

Gene: Jorgensen_24 Start: 16158, Stop: 18737, Start Num: 106

Candidate Starts for Jorgensen_24:

(Start: 106 @16158 has 199 MA's), (119, 16197), (141, 16260), (Start: 151 @16290 has 22 MA's), (227, 16374), (279, 16545), (322, 16713), (334, 16758), (338, 16782), (341, 16800), (410, 17112), (477, 17268), (513, 17370), (525, 17403), (562, 17475), (583, 17514), (619, 17601), (655, 17700), (693, 17802), (700, 17823), (705, 17835), (715, 17865), (734, 17964), (746, 18027), (814, 18246), (823, 18279), (852, 18450), (872, 18561), (882, 18627), (885, 18648), (892, 18687), (894, 18702),

Gene: Joselito_26 Start: 17163, Stop: 19709, Start Num: 113

Candidate Starts for Joselito_26:

(Start: 113 @17163 has 22 MA's), (Start: 120 @17181 has 2 MA's), (186, 17355), (194, 17364), (217, 17439), (245, 17493), (260, 17547), (264, 17562), (265, 17565), (272, 17583), (288, 17646), (292, 17658), (308, 17721), (322, 17784), (327, 17799), (330, 17808), (334, 17829), (338, 17853), (341, 17868), (359, 17955), (361, 17958), (366, 17973), (370, 17994), (372, 18006), (381, 18072), (395, 18135), (396, 18144), (404, 18168), (436, 18249), (439, 18258), (443, 18270), (466, 18312), (497, 18369), (515, 18423), (560, 18531), (575, 18570), (628, 18711), (674, 18807), (681, 18828), (694, 18861), (711, 18894), (713, 18897), (733, 18981), (743, 19026), (744, 19029), (772, 19143), (783, 19176), (816, 19284), (835, 19356), (847, 19434), (857, 19488), (863, 19512), (886, 19623),

Gene: JoshKayV_28 Start: 17026, Stop: 19569, Start Num: 103

Candidate Starts for JoshKayV_28:

(Start: 103 @17026 has 89 MA's), (168, 17203), (170, 17206), (171, 17209), (Start: 182 @17239 has 15 MA's), (242, 17383), (249, 17404), (251, 17413), (261, 17434), (272, 17467), (279, 17500), (305, 17593), (314, 17638), (315, 17641), (318, 17659), (330, 17692), (332, 17704), (334, 17713), (337, 17734), (338, 17737), (375, 17923), (385, 17965), (386, 17974), (388, 17983), (402, 18040), (419,

18106), (433, 18145), (486, 18298), (534, 18451), (540, 18460), (542, 18466), (548, 18475), (558, 18496), (568, 18520), (578, 18541), (596, 18562), (609, 18601), (612, 18613), (648, 18712), (673, 18772), (686, 18799), (712, 18862), (720, 18907), (730, 18955), (749, 19045), (756, 19057), (799, 19126), (802, 19135), (806, 19144), (842, 19255), (847, 19285), (863, 19369),

Gene: Journey13_24 Start: 15775, Stop: 18291, Start Num: 103

Candidate Starts for Journey13_24:

(Start: 103 @15775 has 89 MA's), (141, 15886), (168, 15952), (170, 15955), (234, 16072), (257, 16156), (260, 16165), (272, 16201), (292, 16276), (305, 16327), (316, 16384), (320, 16396), (322, 16402), (325, 16405), (327, 16417), (332, 16438), (334, 16447), (353, 16552), (355, 16561), (364, 16585), (370, 16615), (375, 16657), (397, 16753), (402, 16774), (412, 16819), (419, 16840), (477, 16990), (491, 17047), (499, 17065), (503, 17080), (508, 17107), (512, 17113), (526, 17164), (534, 17185), (542, 17200), (548, 17209), (558, 17230), (577, 17272), (596, 17296), (609, 17335), (614, 17356), (615, 17362), (642, 17434), (673, 17506), (674, 17509), (686, 17533), (699, 17563), (712, 17596), (725, 17653), (730, 17689), (742, 17737), (756, 17791), (786, 17830), (791, 17842), (799, 17857), (802, 17866), (806, 17875), (837, 17956), (842, 17986), (847, 18016), (863, 18094),

Gene: Jovo_22 Start: 15350, Stop: 18691, Start Num: 1

Candidate Starts for Jovo_22:

(Start: 1 @15350 has 30 MA's), (37, 15788), (122, 16100), (144, 16178), (154, 16208), (175, 16265), (220, 16412), (222, 16418), (226, 16424), (263, 16550), (267, 16562), (308, 16712), (315, 16748), (322, 16778), (327, 16793), (334, 16823), (335, 16835), (340, 16859), (353, 16928), (371, 16994), (404, 17150), (423, 17219), (425, 17222), (438, 17249), (447, 17273), (512, 17411), (524, 17432), (549, 17477), (570, 17519), (650, 17711), (669, 17741), (677, 17765), (683, 17777), (693, 17798), (706, 17840), (726, 17927), (734, 17963), (739, 17984), (743, 18005), (762, 18083), (770, 18104), (776, 18125), (783, 18146), (792, 18167), (799, 18191), (816, 18254), (839, 18347), (842, 18365), (856, 18446), (860, 18458), (862, 18470), (864, 18479), (875, 18533), (888, 18617), (889, 18626),

Gene: Jsquared_25 Start: 15543, Stop: 18056, Start Num: 103

Candidate Starts for Jsquared_25:

(Start: 103 @15543 has 89 MA's), (141, 15654), (168, 15720), (170, 15723), (171, 15726), (249, 15912), (251, 15921), (257, 15930), (292, 16050), (305, 16101), (316, 16158), (320, 16170), (324, 16176), (327, 16191), (332, 16212), (334, 16221), (343, 16269), (375, 16431), (383, 16461), (385, 16473), (394, 16512), (397, 16527), (402, 16548), (416, 16605), (419, 16614), (429, 16641), (470, 16740), (499, 16839), (503, 16854), (512, 16887), (520, 16917), (526, 16938), (534, 16959), (558, 17004), (595, 17067), (596, 17070), (609, 17109), (612, 17121), (615, 17136), (648, 17220), (673, 17280), (686, 17307), (712, 17370), (716, 17385), (720, 17415), (742, 17511), (759, 17577), (802, 17640), (857, 17835), (858, 17838), (863, 17859),

Gene: JuliaChild_26 Start: 16832, Stop: 19303, Start Num: 106

Candidate Starts for JuliaChild_26:

(Start: 106 @16832 has 199 MA's), (119, 16871), (141, 16934), (Start: 151 @16964 has 22 MA's), (160, 16985), (174, 17006), (178, 17018), (186, 17036), (255, 17126), (308, 17324), (314, 17357), (332, 17423), (381, 17678), (385, 17699), (390, 17726), (467, 17885), (490, 17921), (542, 18014), (552, 18035), (583, 18092), (630, 18212), (639, 18248), (655, 18278), (666, 18314), (693, 18380), (700, 18401), (734, 18542), (769, 18683), (778, 18704), (822, 18839), (852, 19016), (872, 19127), (882, 19193), (885, 19214), (892, 19253), (894, 19268),

Gene: KADY_28 Start: 16063, Stop: 19089, Start Num: 40

Candidate Starts for KADY_28:

(31, 16009), (Start: 40 @16063 has 81 MA's), (56, 16177), (66, 16243), (67, 16246), (73, 16255), (84, 16291), (94, 16342), (118, 16414), (139, 16486), (183, 16606), (185, 16609), (207, 16678), (219, 16723), (251, 16816), (257, 16825), (263, 16843), (272, 16870), (288, 16933), (292, 16945), (301,

16978), (305, 16996), (318, 17062), (320, 17065), (322, 17071), (327, 17086), (330, 17095), (332, 17107), (334, 17116), (347, 17194), (351, 17209), (375, 17326), (376, 17329), (383, 17356), (385, 17368), (397, 17422), (402, 17443), (419, 17509), (433, 17548), (472, 17641), (484, 17689), (499, 17734), (512, 17782), (522, 17824), (526, 17833), (540, 17863), (541, 17866), (548, 17878), (573, 17935), (577, 17941), (595, 17962), (596, 17965), (642, 18103), (648, 18115), (673, 18175), (699, 18232), (734, 18370), (738, 18391), (742, 18415), (750, 18460), (757, 18478), (771, 18526), (775, 18538), (797, 18580), (811, 18643), (832, 18700), (841, 18769), (848, 18805), (864, 18886), (889, 19021),

Gene: KBG_25 Start: 17265, Stop: 19736, Start Num: 106

Candidate Starts for KBG_25:

(Start: 106 @17265 has 199 MA's), (119, 17304), (141, 17367), (Start: 151 @17397 has 22 MA's), (160, 17418), (174, 17439), (186, 17469), (236, 17493), (255, 17559), (308, 17757), (314, 17790), (332, 17856), (381, 18111), (385, 18132), (390, 18159), (467, 18318), (490, 18354), (542, 18447), (552, 18468), (559, 18483), (569, 18504), (571, 18507), (606, 18576), (616, 18612), (630, 18645), (639, 18681), (655, 18711), (666, 18747), (693, 18813), (700, 18834), (734, 18975), (769, 19116), (778, 19137), (822, 19272), (852, 19449), (872, 19560), (882, 19626), (885, 19647), (892, 19686), (894, 19701),

Gene: KFPoly_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for KFPoly_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (530, 17235), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: KSSJEB_24 Start: 16162, Stop: 18630, Start Num: 106

Candidate Starts for KSSJEB_24:

(Start: 106 @16162 has 199 MA's), (112, 16177), (Start: 151 @16291 has 22 MA's), (160, 16312), (174, 16333), (186, 16363), (236, 16387), (243, 16408), (255, 16453), (308, 16651), (314, 16684), (332, 16750), (381, 17005), (385, 17026), (390, 17053), (467, 17212), (490, 17248), (542, 17341), (552, 17362), (559, 17377), (569, 17398), (571, 17401), (606, 17470), (616, 17506), (630, 17539), (639, 17575), (655, 17605), (666, 17641), (693, 17707), (700, 17728), (715, 17770), (734, 17869), (769, 18010), (778, 18031), (822, 18166), (852, 18343), (872, 18454), (885, 18541), (892, 18580), (896, 18610),

Gene: Kachowdy_25 Start: 15548, Stop: 18586, Start Num: 39

Candidate Starts for Kachowdy_25:

(Start: 39 @15548 has 32 MA's), (64, 15722), (67, 15734), (78, 15767), (139, 15977), (185, 16100), (195, 16121), (251, 16307), (261, 16328), (272, 16361), (288, 16424), (292, 16436), (301, 16469), (305, 16487), (320, 16556), (322, 16562), (327, 16577), (330, 16586), (332, 16598), (334, 16607), (351, 16700), (375, 16817), (376, 16820), (383, 16847), (385, 16859), (397, 16913), (402, 16934), (406, 16955), (419, 17000), (433, 17039), (472, 17132), (484, 17180), (499, 17225), (503, 17240), (522, 17315), (526, 17324), (530, 17336), (540, 17354), (548, 17369), (573, 17426), (595, 17453), (596, 17456), (604, 17477), (648, 17606), (657, 17627), (673, 17666), (692, 17705), (700, 17726), (712, 17756), (713, 17759), (715, 17768), (719, 17792), (734, 17861), (738, 17882), (750, 17951), (757, 17969), (771, 18017), (775, 18029), (797, 18071), (800, 18083), (810, 18131), (848, 18302), (852, 18332), (860, 18362), (864, 18383), (889, 18518), (891, 18530), (896, 18566),

Gene: Kalb97_28 Start: 16056, Stop: 19082, Start Num: 40

Candidate Starts for Kalb97_28:

(31, 16002), (Start: 40 @16056 has 81 MA's), (56, 16170), (66, 16236), (67, 16239), (73, 16248), (84, 16284), (94, 16335), (118, 16407), (139, 16479), (183, 16599), (185, 16602), (207, 16671), (219, 16716), (251, 16809), (257, 16818), (272, 16863), (281, 16902), (288, 16926), (292, 16938), (301, 16971), (305, 16989), (309, 17010), (320, 17058), (322, 17064), (327, 17079), (330, 17088), (332, 17100), (334, 17109), (351, 17202), (372, 17289), (375, 17319), (376, 17322), (383, 17349), (385, 17361), (397, 17415), (402, 17436), (408, 17466), (419, 17502), (470, 17628), (484, 17682), (499, 17727), (512, 17775), (522, 17817), (526, 17826), (540, 17856), (573, 17928), (577, 17934), (595, 17955), (596, 17958), (600, 17970), (638, 18087), (642, 18096), (673, 18168), (674, 18171), (692, 18207), (712, 18258), (713, 18261), (715, 18270), (750, 18453), (771, 18519), (775, 18531), (797, 18573), (811, 18636), (832, 18693), (841, 18762), (848, 18798), (864, 18879), (889, 19014), (891, 19026),

Gene: Kalnoky_28 Start: 16057, Stop: 19083, Start Num: 40

Candidate Starts for Kalnoky_28:

(31, 16003), (Start: 40 @16057 has 81 MA's), (56, 16171), (66, 16237), (67, 16240), (73, 16249), (84, 16285), (94, 16336), (118, 16408), (139, 16480), (183, 16600), (185, 16603), (207, 16672), (219, 16717), (251, 16810), (257, 16819), (272, 16864), (281, 16903), (288, 16927), (292, 16939), (301, 16972), (305, 16990), (309, 17011), (320, 17059), (322, 17065), (327, 17080), (330, 17089), (332, 17101), (334, 17110), (351, 17203), (372, 17290), (375, 17320), (376, 17323), (383, 17350), (385, 17362), (397, 17416), (402, 17437), (408, 17467), (419, 17503), (470, 17629), (484, 17683), (499, 17728), (512, 17776), (522, 17818), (526, 17827), (540, 17857), (573, 17929), (577, 17935), (595, 17956), (596, 17959), (600, 17971), (638, 18088), (642, 18097), (673, 18169), (674, 18172), (692, 18208), (712, 18259), (713, 18262), (715, 18271), (750, 18454), (771, 18520), (775, 18532), (797, 18574), (811, 18637), (832, 18694), (841, 18763), (848, 18799), (864, 18880), (889, 19015), (891, 19027),

Gene: Kalpine_29 Start: 18405, Stop: 20942, Start Num: 103

Candidate Starts for Kalpine_29:

(Start: 103 @18405 has 89 MA's), (141, 18516), (170, 18585), (240, 18750), (242, 18756), (249, 18777), (251, 18786), (269, 18831), (272, 18840), (279, 18873), (287, 18900), (292, 18915), (304, 18957), (305, 18966), (315, 19014), (318, 19032), (327, 19056), (330, 19065), (334, 19086), (337, 19107), (338, 19110), (375, 19296), (385, 19338), (388, 19356), (400, 19404), (402, 19413), (419, 19479), (433, 19518), (482, 19650), (499, 19704), (512, 19752), (534, 19824), (542, 19839), (558, 19869), (578, 19914), (596, 19935), (609, 19974), (615, 20001), (633, 20043), (648, 20085), (673, 20145), (686, 20172), (712, 20235), (720, 20280), (725, 20292), (799, 20499), (802, 20508), (806, 20517), (842, 20628), (847, 20658), (862, 20739), (863, 20742),

Gene: Kampy_25 Start: 15883, Stop: 18483, Start Num: 104

Candidate Starts for Kampy_25:

(Start: 104 @15883 has 113 MA's), (Start: 151 @16024 has 22 MA's), (Start: 162 @16042 has 10 MA's), (233, 16249), (245, 16288), (251, 16318), (284, 16435), (292, 16462), (308, 16525), (322, 16588), (334, 16633), (341, 16675), (357, 16759), (446, 17026), (474, 17077), (489, 17122), (519, 17200), (532, 17239), (545, 17260), (614, 17407), (622, 17428), (632, 17452), (657, 17518), (683, 17572), (700, 17620), (719, 17686), (750, 17851), (757, 17869), (803, 17995), (856, 18247), (857, 18250), (860, 18259), (872, 18319), (889, 18415), (896, 18463),

Gene: Kanely_25 Start: 16938, Stop: 19418, Start Num: 106

Candidate Starts for Kanely_25:

(Start: 106 @16938 has 199 MA's), (119, 16977), (141, 17040), (143, 17046), (Start: 151 @17070 has 22 MA's), (174, 17112), (278, 17319), (284, 17337), (308, 17427), (322, 17490), (330, 17514), (332, 17526), (341, 17577), (451, 17961), (518, 18063), (529, 18102), (549, 18129), (559, 18153), (619, 18282), (655, 18381), (693, 18483), (700, 18504), (705, 18516), (715, 18546), (734, 18645), (746, 18708), (814, 18927), (823, 18960), (872, 19242), (882, 19308), (885, 19329), (892, 19368), (894,

19383),

Gene: Katalie136_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Katalie136_25:

(Start: 104 @15885 has 113 MA's), (214, 16200), (222, 16227), (239, 16275), (256, 16332), (284, 16437), (288, 16452), (292, 16464), (308, 16527), (334, 16635), (337, 16656), (341, 16677), (474, 17079), (487, 17121), (489, 17124), (530, 17235), (532, 17241), (605, 17373), (614, 17409), (633, 17457), (683, 17574), (719, 17688), (750, 17853), (757, 17871), (798, 17985), (803, 17997), (831, 18087), (844, 18180), (857, 18252), (860, 18261), (872, 18321), (874, 18330), (889, 18417), (896, 18465),

Gene: KatherineG_28 Start: 16045, Stop: 18231, Start Num: 182

Candidate Starts for KatherineG_28:

(Start: 115 @15868 has 1 MA's), (Start: 117 @15877 has 4 MA's), (Start: 182 @16045 has 15 MA's), (262, 16285), (263, 16291), (283, 16360), (299, 16417), (332, 16552), (334, 16561), (341, 16603), (350, 16651), (351, 16654), (374, 16765), (377, 16783), (404, 16888), (417, 16936), (486, 17041), (515, 17101), (546, 17155), (564, 17191), (582, 17215), (591, 17224), (617, 17287), (627, 17308), (632, 17323), (639, 17347), (646, 17359), (677, 17413), (690, 17434), (701, 17464), (754, 17635), (760, 17656), (792, 17740), (864, 18043), (889, 18166), (891, 18178),

Gene: Kazan_29 Start: 16741, Stop: 18945, Start Num: 124

Candidate Starts for Kazan_29:

(65, 16582), (98, 16696), (Start: 124 @16741 has 42 MA's), (166, 16852), (168, 16858), (206, 16966), (217, 17008), (239, 17074), (267, 17167), (276, 17194), (308, 17317), (314, 17350), (336, 17440), (349, 17509), (404, 17752), (495, 17890), (599, 18010), (701, 18163), (734, 18226), (743, 18268), (770, 18367), (776, 18388), (783, 18409), (792, 18430), (806, 18481), (808, 18493), (813, 18508), (835, 18589), (847, 18667),

Gene: Kenmech_27 Start: 17747, Stop: 20146, Start Num: 106

Candidate Starts for Kenmech_27:

(Start: 106 @17747 has 199 MA's), (119, 17786), (141, 17849), (Start: 151 @17879 has 22 MA's), (160, 17900), (174, 17921), (178, 17933), (186, 17951), (243, 17996), (255, 18041), (308, 18239), (314, 18272), (332, 18338), (381, 18593), (385, 18614), (390, 18641), (402, 18680), (423, 18737), (440, 18767), (542, 18929), (616, 19082), (625, 19094), (629, 19109), (679, 19226), (703, 19271), (709, 19292), (710, 19295), (746, 19445), (750, 19460), (769, 19526), (789, 19568), (839, 19778), (852, 19859), (872, 19970), (885, 20057), (892, 20096), (894, 20111),

Gene: Kerberos_29 Start: 16508, Stop: 19021, Start Num: 103

Candidate Starts for Kerberos_29:

(Start: 103 @16508 has 89 MA's), (170, 16688), (171, 16691), (272, 16937), (287, 16997), (292, 17012), (300, 17042), (301, 17045), (318, 17129), (327, 17153), (333, 17177), (337, 17204), (338, 17207), (360, 17312), (375, 17393), (382, 17420), (385, 17435), (397, 17489), (402, 17510), (419, 17576), (426, 17594), (429, 17603), (470, 17702), (479, 17735), (481, 17744), (499, 17801), (503, 17816), (534, 17921), (548, 17945), (596, 18032), (600, 18044), (603, 18050), (612, 18083), (657, 18203), (712, 18332), (716, 18347), (720, 18377), (725, 18389), (730, 18425), (759, 18539), (771, 18551), (799, 18593), (858, 18800), (862, 18818), (863, 18821), (899, 19007),

Gene: Keziacharles14_25 Start: 15713, Stop: 18619, Start Num: 54

Candidate Starts for Keziacharles14_25:

(Start: 54 @15713 has 33 MA's), (56, 15725), (88, 15860), (127, 16007), (141, 16049), (148, 16070), (164, 16112), (183, 16166), (185, 16169), (253, 16379), (257, 16385), (277, 16451), (288, 16493), (292, 16505), (302, 16544), (314, 16601), (334, 16676), (337, 16697), (338, 16700), (341, 16718), (371, 16847), (375, 16886), (377, 16898), (382, 16913), (385, 16928), (391, 16958), (397, 16982),

(402, 17003), (419, 17069), (433, 17108), (454, 17171), (472, 17201), (479, 17228), (484, 17249), (500, 17297), (512, 17342), (530, 17405), (535, 17417), (542, 17429), (558, 17459), (573, 17495), (577, 17501), (595, 17522), (596, 17525), (600, 17537), (616, 17594), (626, 17612), (631, 17627), (632, 17630), (648, 17675), (712, 17825), (720, 17870), (745, 17987), (750, 18011), (761, 18050), (797, 18131), (803, 18152), (827, 18227), (841, 18305), (846, 18332), (848, 18341), (876, 18491), (891, 18557),

Gene: Killigrew_22 Start: 15859, Stop: 18330, Start Num: 108

Candidate Starts for Killigrew_22:

(Start: 108 @15859 has 1 MA's), (112, 15874), (Start: 151 @15988 has 22 MA's), (174, 16030), (278, 16231), (284, 16249), (308, 16339), (322, 16402), (330, 16426), (332, 16438), (341, 16489), (370, 16615), (451, 16873), (518, 16975), (529, 17014), (542, 17029), (549, 17041), (559, 17065), (595, 17140), (655, 17293), (693, 17395), (700, 17416), (715, 17458), (733, 17554), (734, 17557), (746, 17620), (814, 17839), (823, 17872), (872, 18154), (882, 18220), (885, 18241), (892, 18280), (896, 18310),

Gene: Kimona_22 Start: 13439, Stop: 16474, Start Num: 40

Candidate Starts for Kimona_22:

(Start: 40 @13439 has 81 MA's), (64, 13607), (67, 13619), (84, 13670), (139, 13862), (185, 13985), (207, 14054), (221, 14105), (261, 14216), (272, 14249), (287, 14309), (292, 14324), (301, 14357), (325, 14453), (330, 14474), (331, 14480), (334, 14495), (341, 14537), (351, 14588), (353, 14600), (363, 14630), (375, 14705), (382, 14732), (385, 14747), (397, 14801), (402, 14822), (416, 14879), (419, 14888), (429, 14915), (430, 14918), (436, 14939), (445, 14972), (472, 15020), (495, 15104), (503, 15128), (507, 15146), (512, 15161), (526, 15212), (530, 15224), (531, 15227), (540, 15242), (541, 15245), (548, 15257), (558, 15278), (561, 15281), (573, 15314), (577, 15320), (595, 15341), (596, 15344), (604, 15365), (624, 15428), (648, 15494), (699, 15611), (719, 15680), (734, 15749), (742, 15794), (745, 15815), (750, 15839), (757, 15857), (771, 15905), (775, 15917), (797, 15959), (800, 15971), (810, 16019), (848, 16190), (862, 16262), (864, 16271), (877, 16343), (892, 16424), (896, 16454),

Gene: KingCyrus_28 Start: 17023, Stop: 19566, Start Num: 103

Candidate Starts for KingCyrus_28:

(Start: 103 @17023 has 89 MA's), (168, 17200), (170, 17203), (171, 17206), (238, 17371), (242, 17380), (249, 17401), (251, 17410), (261, 17431), (272, 17464), (279, 17497), (292, 17539), (305, 17590), (314, 17635), (315, 17638), (318, 17656), (330, 17689), (332, 17701), (334, 17710), (337, 17731), (338, 17734), (375, 17920), (385, 17962), (386, 17971), (388, 17980), (402, 18037), (419, 18103), (433, 18142), (472, 18235), (481, 18271), (499, 18328), (518, 18394), (526, 18427), (531, 18442), (534, 18448), (540, 18457), (548, 18472), (558, 18493), (567, 18514), (577, 18535), (578, 18538), (595, 18556), (596, 18559), (609, 18598), (612, 18610), (633, 18667), (637, 18685), (648, 18709), (673, 18769), (686, 18796), (712, 18859), (749, 19042), (799, 19123), (802, 19132), (806, 19141), (842, 19252), (847, 19282), (863, 19366),

Gene: Kingmustik0402_25 Start: 15877, Stop: 18477, Start Num: 104

Candidate Starts for Kingmustik0402_25:

(Start: 104 @15877 has 113 MA's), (Start: 151 @16018 has 22 MA's), (Start: 162 @16036 has 10 MA's), (233, 16243), (245, 16282), (251, 16312), (276, 16396), (284, 16429), (292, 16456), (308, 16519), (322, 16582), (334, 16627), (341, 16669), (357, 16753), (446, 17020), (474, 17071), (489, 17116), (519, 17194), (532, 17233), (614, 17401), (622, 17422), (632, 17446), (657, 17512), (683, 17566), (700, 17614), (719, 17680), (750, 17845), (757, 17863), (803, 17989), (856, 18241), (857, 18244), (860, 18253), (872, 18313), (889, 18409), (896, 18457),

Gene: Kinmap_26 Start: 16407, Stop: 18590, Start Num: 152

Candidate Starts for Kinmap_26:

(Start: 152 @16407 has 2 MA's), (158, 16425), (206, 16560), (256, 16725), (262, 16743), (308, 16911), (314, 16944), (330, 16998), (332, 17010), (336, 17034), (357, 17145), (407, 17328), (509, 17502), (516, 17520), (564, 17583), (654, 17760), (697, 17826), (701, 17835), (734, 17898), (760, 18012), (761, 18015), (770, 18039), (776, 18060), (787, 18090), (792, 18102), (858, 18369), (863, 18390), (872, 18435), (889, 18519),

Gene: Kipper29_29 Start: 16735, Stop: 18939, Start Num: 124

Candidate Starts for Kipper29_29:

(65, 16576), (98, 16690), (Start: 124 @16735 has 42 MA's), (166, 16846), (168, 16852), (206, 16960), (217, 17002), (239, 17068), (267, 17161), (276, 17188), (308, 17311), (314, 17344), (336, 17434), (349, 17503), (404, 17746), (495, 17884), (599, 18004), (701, 18157), (734, 18220), (743, 18262), (770, 18361), (776, 18382), (783, 18403), (792, 18424), (806, 18475), (808, 18487), (813, 18502), (835, 18583), (847, 18661),

Gene: KittenMittens_24 Start: 13965, Stop: 16520, Start Num: 162

Candidate Starts for KittenMittens_24:

(Start: 101 @13788 has 8 MA's), (Start: 162 @13965 has 10 MA's), (190, 14040), (196, 14052), (248, 14214), (254, 14235), (258, 14247), (267, 14277), (274, 14310), (285, 14355), (291, 14373), (294, 14388), (295, 14397), (302, 14418), (323, 14523), (332, 14565), (364, 14730), (396, 14892), (403, 14919), (482, 15096), (495, 15141), (517, 15216), (531, 15264), (532, 15267), (545, 15288), (547, 15291), (566, 15336), (606, 15411), (607, 15414), (612, 15435), (620, 15459), (644, 15525), (657, 15555), (668, 15567), (689, 15621), (699, 15654), (705, 15669), (719, 15723), (734, 15798), (747, 15876), (750, 15888), (757, 15906), (766, 15945), (772, 15957), (776, 15969), (793, 16011), (798, 16023), (803, 16035), (807, 16050), (812, 16071), (818, 16083), (860, 16296), (872, 16356), (880, 16401), (889, 16452), (896, 16500),

Gene: Koduck_26 Start: 15783, Stop: 18296, Start Num: 103

Candidate Starts for Koduck_26:

(Start: 103 @15783 has 89 MA's), (168, 15960), (170, 15963), (171, 15966), (249, 16152), (251, 16161), (257, 16170), (292, 16290), (305, 16341), (320, 16410), (324, 16416), (327, 16431), (332, 16452), (334, 16461), (375, 16671), (385, 16713), (397, 16767), (402, 16788), (416, 16845), (419, 16854), (426, 16872), (429, 16881), (470, 16980), (484, 17034), (499, 17079), (503, 17094), (512, 17127), (530, 17190), (548, 17223), (558, 17244), (596, 17310), (597, 17316), (612, 17361), (614, 17370), (642, 17448), (673, 17520), (686, 17547), (712, 17610), (720, 17655), (725, 17667), (730, 17703), (742, 17751), (759, 17817), (802, 17880), (851, 18057), (857, 18075), (858, 18078), (863, 18099),

Gene: Koko_29 Start: 16749, Stop: 19274, Start Num: 103

Candidate Starts for Koko_29:

(Start: 103 @16749 has 89 MA's), (110, 16767), (141, 16860), (165, 16917), (208, 17025), (287, 17241), (304, 17298), (305, 17307), (330, 17406), (334, 17427), (338, 17451), (352, 17529), (353, 17532), (382, 17664), (385, 17679), (418, 17817), (419, 17820), (426, 17838), (429, 17847), (443, 17895), (503, 18060), (508, 18087), (534, 18165), (558, 18210), (595, 18273), (597, 18282), (607, 18306), (612, 18327), (684, 18510), (686, 18513), (712, 18576), (725, 18633), (730, 18669), (799, 18840), (842, 18969), (847, 18999),

Gene: Koreni_24 Start: 15531, Stop: 18131, Start Num: 104

Candidate Starts for Koreni_24:

(Start: 104 @15531 has 113 MA's), (Start: 151 @15672 has 22 MA's), (Start: 162 @15690 has 10 MA's), (233, 15897), (245, 15936), (251, 15966), (284, 16083), (292, 16110), (308, 16173), (322, 16236), (334, 16281), (341, 16323), (357, 16407), (446, 16674), (474, 16725), (489, 16770), (519, 16848), (530, 16881), (532, 16887), (582, 16983), (595, 16992), (614, 17055), (622, 17076), (632, 17100), (657, 17166), (683, 17220), (700, 17268), (719, 17334), (750, 17499), (757, 17517), (803,

17643), (856, 17895), (857, 17898), (860, 17907), (872, 17967), (889, 18063), (896, 18111),

Gene: Kratak_25 Start: 15880, Stop: 18480, Start Num: 104

Candidate Starts for Kratak_25:

(Start: 104 @15880 has 113 MA's), (Start: 151 @16021 has 22 MA's), (Start: 162 @16039 has 10 MA's), (233, 16246), (245, 16285), (251, 16315), (292, 16459), (308, 16522), (322, 16585), (334, 16630), (341, 16672), (357, 16756), (446, 17023), (474, 17074), (489, 17119), (519, 17197), (530, 17230), (532, 17236), (597, 17350), (614, 17404), (632, 17449), (655, 17509), (683, 17569), (719, 17683), (750, 17848), (757, 17866), (803, 17992), (856, 18244), (857, 18247), (860, 18256), (872, 18316), (889, 18412), (896, 18460),

Gene: Kremtemulon_25 Start: 15933, Stop: 18533, Start Num: 104

Candidate Starts for Kremtemulon_25:

(Start: 104 @15933 has 113 MA's), (Start: 151 @16074 has 22 MA's), (Start: 162 @16092 has 10 MA's), (233, 16299), (245, 16338), (251, 16368), (284, 16485), (292, 16512), (308, 16575), (322, 16638), (334, 16683), (341, 16725), (357, 16809), (446, 17076), (474, 17127), (489, 17172), (519, 17250), (532, 17289), (545, 17310), (582, 17385), (595, 17394), (614, 17457), (622, 17478), (633, 17505), (655, 17562), (657, 17568), (683, 17622), (700, 17670), (719, 17736), (750, 17901), (757, 17919), (803, 18045), (856, 18297), (857, 18300), (860, 18309), (872, 18369), (889, 18465), (896, 18513),

Gene: Kristoff_26 Start: 15879, Stop: 18620, Start Num: 101

Candidate Starts for Kristoff_26:

(Start: 101 @15879 has 8 MA's), (Start: 162 @16056 has 10 MA's), (169, 16077), (193, 16134), (205, 16182), (213, 16209), (225, 16248), (236, 16278), (248, 16320), (258, 16353), (261, 16362), (273, 16413), (274, 16416), (291, 16479), (294, 16494), (300, 16515), (302, 16524), (323, 16629), (332, 16671), (403, 17025), (482, 17193), (517, 17313), (530, 17358), (531, 17361), (532, 17364), (545, 17385), (547, 17388), (566, 17433), (614, 17541), (622, 17562), (628, 17574), (644, 17622), (659, 17655), (689, 17718), (715, 17796), (719, 17820), (734, 17895), (745, 17961), (750, 17985), (757, 18003), (776, 18069), (786, 18099), (798, 18123), (803, 18135), (807, 18150), (812, 18171), (818, 18183), (860, 18396), (868, 18432), (871, 18453), (872, 18456), (889, 18552), (896, 18600),

Gene: Kugel_25 Start: 16511, Stop: 18991, Start Num: 106

Candidate Starts for Kugel_25:

(Start: 106 @16511 has 199 MA's), (119, 16550), (141, 16613), (Start: 151 @16643 has 22 MA's), (174, 16685), (278, 16892), (284, 16910), (308, 17000), (322, 17063), (330, 17087), (332, 17099), (341, 17150), (451, 17534), (518, 17636), (529, 17675), (549, 17702), (559, 17726), (619, 17855), (655, 17954), (693, 18056), (700, 18077), (705, 18089), (715, 18119), (734, 18218), (746, 18281), (814, 18500), (823, 18533), (872, 18815), (885, 18902), (892, 18941), (894, 18956),

Gene: KyMonks1A_26 Start: 16677, Stop: 19157, Start Num: 106

Candidate Starts for KyMonks1A_26:

(Start: 106 @16677 has 199 MA's), (119, 16716), (141, 16779), (Start: 151 @16809 has 22 MA's), (174, 16851), (278, 17058), (284, 17076), (308, 17166), (322, 17229), (330, 17253), (332, 17265), (341, 17316), (451, 17700), (518, 17802), (529, 17841), (549, 17868), (559, 17892), (619, 18021), (655, 18120), (693, 18222), (700, 18243), (705, 18255), (715, 18285), (734, 18384), (746, 18447), (814, 18666), (823, 18699), (872, 18981), (885, 19068), (892, 19107), (894, 19122),

Gene: Kyee_25 Start: 15886, Stop: 18486, Start Num: 104

Candidate Starts for Kyee_25:

(Start: 104 @15886 has 113 MA's), (Start: 151 @16027 has 22 MA's), (Start: 162 @16045 has 10 MA's), (233, 16252), (245, 16291), (251, 16321), (284, 16438), (292, 16465), (308, 16528), (322, 16591), (334, 16636), (341, 16678), (357, 16762), (446, 17029), (474, 17080), (489, 17125), (519,

17203), (532, 17242), (597, 17356), (614, 17410), (632, 17455), (655, 17515), (668, 17533), (683, 17575), (700, 17623), (719, 17689), (750, 17854), (757, 17872), (803, 17998), (856, 18250), (857, 18253), (860, 18262), (872, 18322), (889, 18418), (896, 18466),

Gene: Kykar_22 Start: 15947, Stop: 18526, Start Num: 106

Candidate Starts for Kykar_22:

(Start: 106 @15947 has 199 MA's), (119, 15986), (141, 16049), (Start: 151 @16079 has 22 MA's), (270, 16298), (279, 16334), (322, 16502), (334, 16547), (338, 16571), (341, 16589), (410, 16901), (477, 17057), (513, 17159), (525, 17192), (562, 17264), (583, 17303), (619, 17390), (655, 17489), (693, 17591), (700, 17612), (705, 17624), (715, 17654), (734, 17753), (746, 17816), (814, 18035), (823, 18068), (872, 18350), (885, 18437), (892, 18476), (894, 18491),

Gene: L5_26 Start: 15794, Stop: 18307, Start Num: 103

Candidate Starts for L5_26:

(Start: 103 @15794 has 89 MA's), (168, 15971), (170, 15974), (171, 15977), (272, 16226), (292, 16301), (314, 16397), (318, 16418), (330, 16451), (333, 16466), (334, 16472), (337, 16493), (352, 16574), (375, 16682), (382, 16709), (385, 16724), (397, 16778), (402, 16799), (419, 16865), (470, 16991), (484, 17045), (499, 17090), (503, 17105), (512, 17138), (530, 17201), (548, 17234), (558, 17255), (596, 17321), (597, 17327), (612, 17372), (614, 17381), (642, 17459), (673, 17531), (686, 17558), (712, 17621), (720, 17666), (725, 17678), (730, 17714), (742, 17762), (759, 17828), (802, 17891), (851, 18068), (857, 18086), (858, 18089), (863, 18110),

Gene: LBerry_27 Start: 15979, Stop: 19005, Start Num: 40

Candidate Starts for LBerry_27:

(31, 15925), (Start: 40 @15979 has 81 MA's), (56, 16093), (66, 16159), (67, 16162), (73, 16171), (84, 16207), (94, 16258), (118, 16330), (139, 16402), (183, 16522), (185, 16525), (207, 16594), (219, 16639), (251, 16732), (257, 16741), (263, 16759), (272, 16786), (288, 16849), (292, 16861), (301, 16894), (305, 16912), (318, 16978), (320, 16981), (322, 16987), (327, 17002), (330, 17011), (332, 17023), (334, 17032), (347, 17110), (351, 17125), (375, 17242), (376, 17245), (383, 17272), (385, 17284), (397, 17338), (402, 17359), (419, 17425), (433, 17464), (472, 17557), (484, 17605), (499, 17650), (512, 17698), (522, 17740), (526, 17749), (540, 17779), (541, 17782), (548, 17794), (573, 17851), (577, 17857), (595, 17878), (596, 17881), (642, 18019), (648, 18031), (673, 18091), (699, 18148), (734, 18286), (738, 18307), (742, 18331), (750, 18376), (757, 18394), (771, 18442), (775, 18454), (797, 18496), (832, 18616), (841, 18685), (848, 18721), (864, 18802), (889, 18937),

Gene: LHTSCC_26 Start: 16337, Stop: 18796, Start Num: 151

Candidate Starts for LHTSCC_26:

(Start: 104 @16196 has 113 MA's), (Start: 151 @16337 has 22 MA's), (Start: 162 @16355 has 10 MA's), (214, 16511), (233, 16562), (251, 16631), (284, 16748), (292, 16775), (308, 16838), (322, 16901), (334, 16946), (341, 16988), (357, 17072), (412, 17279), (446, 17339), (474, 17390), (489, 17435), (519, 17513), (530, 17546), (532, 17552), (614, 17720), (622, 17741), (632, 17765), (655, 17825), (657, 17831), (659, 17834), (683, 17885), (700, 17933), (719, 17999), (750, 18164), (757, 18182), (803, 18308), (856, 18560), (857, 18563), (860, 18572), (871, 18629), (872, 18632), (880, 18677), (889, 18728), (896, 18776),

Gene: LadyBird_26 Start: 16593, Stop: 19130, Start Num: 103

Candidate Starts for LadyBird_26:

(Start: 103 @16593 has 89 MA's), (170, 16773), (171, 16776), (195, 16824), (238, 16935), (242, 16944), (249, 16965), (251, 16974), (257, 16983), (272, 17028), (279, 17061), (305, 17154), (315, 17202), (318, 17220), (325, 17232), (330, 17253), (334, 17274), (337, 17295), (338, 17298), (375, 17484), (385, 17526), (386, 17535), (388, 17544), (402, 17601), (419, 17667), (433, 17706), (470, 17793), (499, 17892), (534, 18012), (540, 18021), (542, 18027), (548, 18036), (558, 18057), (568, 18081), (578, 18102), (596, 18123), (597, 18129), (609, 18162), (612, 18174), (633, 18231), (673,

18333), (686, 18360), (699, 18390), (712, 18423), (725, 18480), (735, 18522), (742, 18564), (799, 18687), (802, 18696), (806, 18705), (842, 18816), (847, 18846), (855, 18900), (863, 18930),

Gene: Lambert1_26 Start: 16043, Stop: 19081, Start Num: 39

Candidate Starts for Lambert1_26:

(Start: 39 @16043 has 32 MA's), (64, 16217), (67, 16229), (78, 16262), (139, 16469), (147, 16490), (183, 16589), (185, 16592), (251, 16802), (261, 16823), (272, 16856), (288, 16919), (292, 16931), (301, 16964), (305, 16982), (309, 17003), (320, 17051), (322, 17057), (327, 17072), (330, 17081), (332, 17093), (334, 17102), (351, 17195), (375, 17312), (376, 17315), (383, 17342), (385, 17354), (397, 17408), (402, 17429), (419, 17495), (433, 17534), (484, 17675), (499, 17720), (522, 17810), (526, 17819), (540, 17849), (567, 17906), (573, 17921), (595, 17948), (596, 17951), (603, 17969), (638, 18080), (673, 18161), (699, 18218), (714, 18260), (734, 18356), (738, 18377), (742, 18401), (750, 18446), (757, 18464), (771, 18512), (775, 18524), (797, 18566), (800, 18578), (810, 18626), (848, 18797), (860, 18857), (862, 18869), (869, 18896), (872, 18917), (889, 19013), (896, 19061),

Gene: Lamina13_24 Start: 15957, Stop: 18428, Start Num: 106

Candidate Starts for Lamina13_24:

(Start: 106 @15957 has 199 MA's), (119, 15996), (141, 16059), (143, 16065), (Start: 151 @16089 has 22 MA's), (160, 16110), (174, 16131), (186, 16161), (236, 16185), (255, 16251), (308, 16449), (314, 16482), (332, 16548), (381, 16803), (385, 16824), (390, 16851), (467, 17010), (490, 17046), (542, 17139), (552, 17160), (583, 17217), (630, 17337), (639, 17373), (655, 17403), (666, 17439), (693, 17505), (700, 17526), (734, 17667), (769, 17808), (778, 17829), (822, 17964), (872, 18252), (885, 18339), (892, 18378), (896, 18408),

Gene: Landor_27 Start: 18370, Stop: 20748, Start Num: 142

Candidate Starts for Landor_27:

(Start: 135 @18352 has 6 MA's), (Start: 142 @18370 has 5 MA's), (153, 18403), (155, 18409), (195, 18505), (207, 18547), (237, 18610), (239, 18613), (267, 18703), (270, 18715), (271, 18718), (277, 18748), (278, 18757), (289, 18793), (292, 18802), (308, 18865), (314, 18898), (327, 18943), (332, 18964), (334, 18973), (353, 19078), (384, 19219), (457, 19387), (460, 19393), (490, 19465), (554, 19633), (565, 19651), (630, 19807), (648, 19861), (663, 19897), (676, 19948), (699, 20008), (712, 20041), (715, 20053), (720, 20086), (721, 20089), (746, 20227), (749, 20239), (782, 20281), (799, 20317), (803, 20329), (807, 20335), (863, 20545),

Gene: LappelDuVide_25 Start: 16023, Stop: 18482, Start Num: 151

Candidate Starts for LappelDuVide_25:

(Start: 104 @15882 has 113 MA's), (Start: 151 @16023 has 22 MA's), (Start: 162 @16041 has 10 MA's), (233, 16248), (245, 16287), (251, 16317), (284, 16434), (292, 16461), (308, 16524), (322, 16587), (334, 16632), (341, 16674), (357, 16758), (446, 17025), (474, 17076), (489, 17121), (519, 17199), (532, 17238), (545, 17259), (614, 17406), (622, 17427), (632, 17451), (655, 17511), (657, 17517), (659, 17520), (683, 17571), (700, 17619), (719, 17685), (750, 17850), (757, 17868), (803, 17994), (856, 18246), (857, 18249), (860, 18258), (872, 18318), (889, 18414), (896, 18462),

Gene: Larenn_27 Start: 16894, Stop: 19434, Start Num: 103

Candidate Starts for Larenn_27:

(Start: 103 @16894 has 89 MA's), (170, 17074), (240, 17239), (242, 17245), (249, 17266), (251, 17275), (272, 17329), (275, 17341), (279, 17362), (292, 17404), (309, 17476), (327, 17548), (330, 17557), (334, 17578), (337, 17599), (338, 17602), (341, 17620), (352, 17680), (360, 17707), (375, 17788), (385, 17830), (386, 17839), (388, 17848), (389, 17851), (397, 17884), (400, 17896), (402, 17905), (418, 17968), (419, 17971), (429, 17998), (433, 18010), (511, 18241), (526, 18295), (530, 18307), (534, 18316), (542, 18331), (558, 18361), (568, 18385), (572, 18394), (573, 18397), (595, 18424), (600, 18439), (609, 18466), (614, 18487), (615, 18493), (648, 18577), (673, 18637), (686, 18664), (712, 18727), (749, 18910), (756, 18922), (799, 18991), (802, 19000), (806, 19009), (842,

19120), (847, 19150), (855, 19204), (863, 19234), (899, 19420),

Gene: LarryKay_27 Start: 16065, Stop: 19091, Start Num: 40

Candidate Starts for LarryKay_27:

(31, 16011), (Start: 40 @16065 has 81 MA's), (56, 16179), (66, 16245), (67, 16248), (73, 16257), (84, 16293), (94, 16344), (118, 16416), (139, 16488), (183, 16608), (185, 16611), (207, 16680), (219, 16725), (251, 16818), (257, 16827), (263, 16845), (272, 16872), (288, 16935), (292, 16947), (301, 16980), (305, 16998), (318, 17064), (320, 17067), (322, 17073), (327, 17088), (330, 17097), (332, 17109), (334, 17118), (347, 17196), (351, 17211), (375, 17328), (376, 17331), (383, 17358), (385, 17370), (397, 17424), (402, 17445), (419, 17511), (433, 17550), (472, 17643), (484, 17691), (499, 17736), (512, 17784), (522, 17826), (526, 17835), (540, 17865), (541, 17868), (548, 17880), (573, 17937), (577, 17943), (595, 17964), (596, 17967), (642, 18105), (648, 18117), (673, 18177), (699, 18234), (734, 18372), (738, 18393), (742, 18417), (750, 18462), (757, 18480), (771, 18528), (775, 18540), (797, 18582), (811, 18645), (832, 18702), (841, 18771), (848, 18807), (864, 18888), (889, 19023),

Gene: LastResort_28 Start: 15923, Stop: 18112, Start Num: 182

Candidate Starts for LastResort_28:

(Start: 115 @15746 has 1 MA's), (Start: 117 @15755 has 4 MA's), (Start: 182 @15923 has 15 MA's), (262, 16166), (263, 16172), (283, 16241), (299, 16298), (334, 16442), (341, 16484), (350, 16532), (351, 16535), (374, 16646), (377, 16664), (404, 16769), (417, 16817), (486, 16922), (515, 16982), (546, 17036), (564, 17072), (582, 17096), (591, 17105), (617, 17168), (627, 17189), (632, 17204), (639, 17228), (646, 17240), (677, 17294), (690, 17315), (701, 17345), (754, 17516), (760, 17537), (792, 17621), (864, 17924), (889, 18047), (891, 18059),

Gene: Lemur_25 Start: 15882, Stop: 18482, Start Num: 104

Candidate Starts for Lemur_25:

(Start: 104 @15882 has 113 MA's), (Start: 151 @16023 has 22 MA's), (Start: 162 @16041 has 10 MA's), (233, 16248), (245, 16287), (251, 16317), (276, 16401), (284, 16434), (292, 16461), (308, 16524), (322, 16587), (334, 16632), (341, 16674), (357, 16758), (446, 17025), (474, 17076), (489, 17121), (519, 17199), (530, 17232), (532, 17238), (614, 17406), (622, 17427), (632, 17451), (657, 17517), (683, 17571), (700, 17619), (719, 17685), (750, 17850), (757, 17868), (803, 17994), (856, 18246), (857, 18249), (860, 18258), (872, 18318), (889, 18414), (896, 18462),

Gene: LeoAvram_25 Start: 16041, Stop: 18482, Start Num: 162

Candidate Starts for LeoAvram_25:

(Start: 104 @15882 has 113 MA's), (Start: 151 @16023 has 22 MA's), (Start: 162 @16041 has 10 MA's), (233, 16248), (245, 16287), (251, 16317), (284, 16434), (292, 16461), (308, 16524), (322, 16587), (334, 16632), (341, 16674), (357, 16758), (446, 17025), (474, 17076), (489, 17121), (519, 17199), (530, 17232), (532, 17238), (614, 17406), (622, 17427), (632, 17451), (655, 17511), (657, 17517), (659, 17520), (683, 17571), (700, 17619), (719, 17685), (750, 17850), (757, 17868), (803, 17994), (856, 18246), (857, 18249), (860, 18258), (872, 18318), (889, 18414), (896, 18462),

Gene: Leogania_28 Start: 18765, Stop: 21302, Start Num: 103

Candidate Starts for Leogania_28:

(Start: 103 @18765 has 89 MA's), (170, 18945), (171, 18948), (195, 18996), (242, 19116), (249, 19137), (251, 19146), (261, 19167), (272, 19200), (279, 19233), (292, 19275), (304, 19317), (305, 19326), (315, 19374), (318, 19392), (330, 19425), (332, 19437), (334, 19446), (335, 19458), (337, 19467), (375, 19656), (382, 19683), (385, 19698), (397, 19752), (402, 19773), (419, 19839), (433, 19878), (470, 19965), (534, 20184), (542, 20199), (558, 20229), (567, 20250), (568, 20253), (573, 20265), (595, 20292), (609, 20334), (615, 20361), (633, 20403), (642, 20433), (673, 20505), (686, 20532), (712, 20595), (720, 20640), (725, 20652), (756, 20790), (799, 20859), (802, 20868), (806, 20877), (842, 20988), (847, 21018), (855, 21072), (863, 21102),

Gene: Lesedi_23 Start: 16115, Stop: 18586, Start Num: 106

Candidate Starts for Lesedi_23:

(Start: 106 @16115 has 199 MA's), (119, 16154), (141, 16217), (Start: 151 @16247 has 22 MA's), (160, 16268), (174, 16289), (178, 16301), (186, 16319), (243, 16364), (255, 16409), (308, 16607), (314, 16640), (332, 16706), (381, 16961), (385, 16982), (390, 17009), (467, 17168), (490, 17204), (542, 17297), (552, 17318), (583, 17375), (630, 17495), (639, 17531), (655, 17561), (666, 17597), (693, 17663), (700, 17684), (734, 17825), (769, 17966), (778, 17987), (822, 18122), (852, 18299), (872, 18410), (885, 18497), (892, 18536), (894, 18551),

Gene: Lev2_22 Start: 15062, Stop: 18403, Start Num: 1

Candidate Starts for Lev2_22:

(Start: 1 @15062 has 30 MA's), (37, 15500), (122, 15812), (144, 15890), (154, 15920), (175, 15977), (220, 16124), (222, 16130), (226, 16136), (263, 16262), (267, 16274), (308, 16424), (315, 16460), (322, 16490), (327, 16505), (334, 16535), (335, 16547), (340, 16571), (353, 16640), (371, 16706), (404, 16862), (423, 16931), (425, 16934), (438, 16961), (447, 16985), (512, 17123), (524, 17144), (549, 17189), (570, 17231), (650, 17423), (669, 17453), (677, 17477), (683, 17489), (693, 17510), (706, 17552), (726, 17639), (734, 17675), (739, 17696), (743, 17717), (762, 17795), (770, 17816), (776, 17837), (783, 17858), (792, 17879), (799, 17903), (816, 17966), (839, 18059), (842, 18077), (856, 18158), (860, 18170), (862, 18182), (864, 18191), (875, 18245), (888, 18329), (889, 18338),

Gene: Leviathan_28 Start: 17112, Stop: 19655, Start Num: 103

Candidate Starts for Leviathan_28:

(Start: 103 @17112 has 89 MA's), (170, 17292), (171, 17295), (Start: 182 @17325 has 15 MA's), (240, 17463), (242, 17469), (249, 17490), (251, 17499), (257, 17508), (261, 17520), (275, 17565), (279, 17586), (292, 17628), (305, 17679), (314, 17724), (315, 17727), (318, 17745), (330, 17778), (332, 17790), (334, 17799), (337, 17820), (338, 17823), (375, 18009), (385, 18051), (386, 18060), (388, 18069), (402, 18126), (419, 18192), (433, 18231), (481, 18360), (499, 18417), (518, 18483), (526, 18516), (531, 18531), (534, 18537), (540, 18546), (548, 18561), (558, 18582), (567, 18603), (577, 18624), (578, 18627), (595, 18645), (596, 18648), (612, 18699), (633, 18756), (637, 18774), (648, 18798), (673, 18858), (686, 18885), (712, 18948), (720, 18993), (749, 19131), (802, 19221), (806, 19230), (826, 19254), (842, 19341), (847, 19371), (863, 19455),

Gene: Licorice_26 Start: 17366, Stop: 19837, Start Num: 106

Candidate Starts for Licorice_26:

(Start: 106 @17366 has 199 MA's), (119, 17405), (141, 17468), (Start: 151 @17498 has 22 MA's), (160, 17519), (174, 17540), (178, 17552), (186, 17570), (236, 17594), (255, 17660), (264, 17687), (308, 17858), (314, 17891), (332, 17957), (381, 18212), (385, 18233), (390, 18260), (402, 18299), (423, 18356), (440, 18386), (467, 18419), (490, 18455), (542, 18548), (552, 18569), (583, 18626), (630, 18746), (639, 18782), (655, 18812), (666, 18848), (693, 18914), (700, 18935), (715, 18977), (734, 19076), (769, 19217), (778, 19238), (839, 19469), (852, 19550), (872, 19661), (885, 19748), (892, 19787), (896, 19817),

Gene: LilBib_25 Start: 17203, Stop: 20028, Start Num: 106

Candidate Starts for LilBib_25:

(Start: 106 @17203 has 199 MA's), (128, 17275), (250, 17518), (256, 17533), (271, 17578), (298, 17698), (303, 17716), (310, 17764), (319, 17809), (332, 17854), (333, 17857), (341, 17905), (378, 18079), (385, 18106), (405, 18190), (420, 18247), (428, 18265), (441, 18310), (456, 18346), (479, 18406), (491, 18454), (510, 18517), (512, 18520), (539, 18613), (550, 18637), (565, 18673), (574, 18700), (581, 18712), (585, 18730), (589, 18745), (611, 18808), (653, 18937), (667, 18982), (677, 19015), (683, 19027), (722, 19156), (740, 19252), (758, 19339), (759, 19342), (765, 19360), (821, 19564), (852, 19741), (872, 19852), (885, 19939), (892, 19978), (894, 19993),

Gene: LilTurb_28 Start: 17115, Stop: 19658, Start Num: 103

Candidate Starts for LilTurb_28:

(Start: 103 @17115 has 89 MA's), (170, 17295), (171, 17298), (240, 17466), (242, 17472), (249, 17493), (251, 17502), (257, 17511), (261, 17523), (275, 17568), (279, 17589), (292, 17631), (305, 17682), (314, 17727), (315, 17730), (318, 17748), (330, 17781), (332, 17793), (334, 17802), (337, 17823), (338, 17826), (375, 18012), (385, 18054), (386, 18063), (388, 18072), (402, 18129), (419, 18195), (433, 18234), (472, 18327), (481, 18363), (499, 18420), (518, 18486), (526, 18519), (531, 18534), (534, 18540), (540, 18549), (548, 18564), (558, 18585), (567, 18606), (577, 18627), (578, 18630), (595, 18648), (596, 18651), (609, 18690), (612, 18702), (633, 18759), (637, 18777), (648, 18801), (673, 18861), (686, 18888), (712, 18951), (720, 18996), (749, 19134), (802, 19224), (806, 19233), (826, 19257), (842, 19344), (847, 19374), (863, 19458),

Gene: Lilbunny_29 Start: 16715, Stop: 18931, Start Num: 124

Candidate Starts for Lilbunny_29:

(98, 16670), (Start: 124 @16715 has 42 MA's), (166, 16826), (217, 16982), (263, 17129), (267, 17141), (307, 17288), (308, 17291), (314, 17324), (336, 17414), (349, 17483), (368, 17558), (404, 17726), (599, 17984), (628, 18029), (701, 18137), (734, 18200), (743, 18242), (770, 18341), (776, 18362), (792, 18404), (806, 18455), (813, 18482), (835, 18563), (847, 18653),

Gene: Lilith_27 Start: 15972, Stop: 18998, Start Num: 40

Candidate Starts for Lilith_27:

(31, 15918), (Start: 40 @15972 has 81 MA's), (56, 16086), (66, 16152), (67, 16155), (73, 16164), (84, 16200), (94, 16251), (118, 16323), (139, 16395), (183, 16515), (185, 16518), (207, 16587), (219, 16632), (251, 16725), (257, 16734), (263, 16752), (272, 16779), (288, 16842), (292, 16854), (301, 16887), (305, 16905), (318, 16971), (320, 16974), (322, 16980), (327, 16995), (330, 17004), (332, 17016), (334, 17025), (351, 17118), (375, 17235), (376, 17238), (383, 17265), (385, 17277), (397, 17331), (402, 17352), (419, 17418), (429, 17445), (472, 17550), (484, 17598), (499, 17643), (512, 17691), (522, 17733), (526, 17742), (540, 17772), (541, 17775), (548, 17787), (573, 17844), (577, 17850), (595, 17871), (596, 17874), (642, 18012), (648, 18024), (673, 18084), (700, 18144), (712, 18174), (713, 18177), (715, 18186), (734, 18279), (750, 18369), (771, 18435), (775, 18447), (797, 18489), (811, 18552), (832, 18609), (841, 18678), (848, 18714), (864, 18795), (889, 18930),

Gene: Lilleskat_25 Start: 17590, Stop: 20499, Start Num: 54

Candidate Starts for Lilleskat_25:

(Start: 54 @17590 has 33 MA's), (56, 17602), (66, 17662), (127, 17884), (148, 17947), (164, 17989), (185, 18046), (199, 18085), (253, 18256), (257, 18262), (262, 18277), (287, 18367), (288, 18370), (292, 18382), (304, 18424), (314, 18478), (334, 18553), (337, 18574), (338, 18577), (341, 18595), (353, 18658), (371, 18724), (375, 18763), (382, 18790), (385, 18805), (391, 18835), (397, 18859), (402, 18880), (419, 18946), (433, 18985), (455, 19051), (472, 19078), (479, 19105), (511, 19216), (534, 19291), (558, 19336), (567, 19357), (577, 19378), (578, 19381), (595, 19399), (596, 19402), (606, 19429), (613, 19456), (633, 19510), (712, 19702), (716, 19717), (720, 19747), (731, 19798), (749, 19885), (751, 19894), (766, 19945), (797, 20008), (803, 20029), (810, 20065), (826, 20101), (827, 20107), (841, 20185), (846, 20212), (857, 20272), (872, 20341), (876, 20371), (882, 20398), (891, 20437), (897, 20479),

Gene: LittleB_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for LittleB_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (530, 17235), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (633, 17457), (655, 17514), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: LittleCherry_22 Start: 15245, Stop: 18583, Start Num: 1

Candidate Starts for LittleCherry_22:

(Start: 1 @15245 has 30 MA's), (37, 15683), (122, 15995), (144, 16073), (154, 16103), (175, 16160), (204, 16244), (220, 16307), (222, 16313), (262, 16433), (287, 16523), (288, 16526), (308, 16601), (317, 16646), (322, 16664), (334, 16709), (337, 16730), (376, 16922), (409, 17060), (425, 17108), (459, 17186), (514, 17312), (524, 17324), (533, 17348), (570, 17411), (650, 17603), (669, 17633), (677, 17657), (683, 17669), (706, 17732), (734, 17855), (739, 17876), (743, 17897), (762, 17975), (770, 17996), (783, 18038), (792, 18059), (816, 18146), (825, 18176), (839, 18239), (842, 18257), (856, 18338), (860, 18350), (862, 18362), (864, 18371), (875, 18425), (888, 18509), (893, 18548),

Gene: LittleGuy_25 Start: 15828, Stop: 18428, Start Num: 104

Candidate Starts for LittleGuy_25:

(Start: 104 @15828 has 113 MA's), (Start: 151 @15969 has 22 MA's), (Start: 162 @15987 has 10 MA's), (233, 16194), (245, 16233), (251, 16263), (284, 16380), (292, 16407), (308, 16470), (322, 16533), (332, 16569), (334, 16578), (341, 16620), (412, 16911), (446, 16971), (474, 17022), (489, 17067), (530, 17178), (532, 17184), (545, 17205), (614, 17352), (622, 17373), (632, 17397), (655, 17457), (657, 17463), (659, 17466), (683, 17517), (700, 17565), (719, 17631), (750, 17796), (757, 17814), (803, 17940), (856, 18192), (857, 18195), (860, 18204), (872, 18264), (880, 18309), (889, 18360), (896, 18408),

Gene: LochMonster_25 Start: 16001, Stop: 18460, Start Num: 151

Candidate Starts for LochMonster_25:

(Start: 104 @15860 has 113 MA's), (Start: 151 @16001 has 22 MA's), (Start: 162 @16019 has 10 MA's), (214, 16175), (233, 16226), (245, 16265), (251, 16295), (284, 16412), (292, 16439), (308, 16502), (322, 16565), (334, 16610), (341, 16652), (357, 16736), (446, 17003), (474, 17054), (489, 17099), (519, 17177), (530, 17210), (532, 17216), (597, 17330), (614, 17384), (632, 17429), (655, 17489), (683, 17549), (719, 17663), (750, 17828), (757, 17846), (803, 17972), (856, 18224), (857, 18227), (860, 18236), (871, 18293), (872, 18296), (880, 18341), (889, 18392), (896, 18440),

Gene: Lockley_24 Start: 16291, Stop: 18771, Start Num: 106

Candidate Starts for Lockley_24:

(Start: 106 @16291 has 199 MA's), (119, 16330), (141, 16393), (Start: 151 @16423 has 22 MA's), (174, 16465), (278, 16672), (284, 16690), (308, 16780), (322, 16843), (330, 16867), (332, 16879), (341, 16930), (451, 17314), (518, 17416), (529, 17455), (549, 17482), (559, 17506), (619, 17635), (655, 17734), (693, 17836), (700, 17857), (715, 17899), (734, 17998), (746, 18061), (814, 18280), (823, 18313), (852, 18484), (872, 18595), (885, 18682), (892, 18721), (894, 18736),

Gene: Lokk_29 Start: 18268, Stop: 20796, Start Num: 103

Candidate Starts for Lokk_29:

(Start: 103 @18268 has 89 MA's), (141, 18379), (145, 18391), (170, 18448), (171, 18451), (249, 18640), (251, 18649), (272, 18703), (304, 18820), (305, 18829), (309, 18850), (314, 18874), (332, 18940), (334, 18949), (337, 18970), (338, 18973), (375, 19159), (385, 19201), (402, 19276), (419, 19342), (433, 19381), (472, 19474), (499, 19567), (526, 19666), (534, 19687), (558, 19732), (595, 19795), (609, 19837), (615, 19864), (642, 19936), (648, 19948), (684, 20032), (686, 20035), (712, 20098), (720, 20143), (725, 20155), (742, 20239), (756, 20293), (806, 20377), (826, 20401), (847, 20518), (863, 20596),

Gene: LoneWolf_27 Start: 17261, Stop: 20305, Start Num: 35

Candidate Starts for LoneWolf_27:

(8, 16988), (Start: 35 @17261 has 1 MA's), (Start: 54 @17390 has 33 MA's), (56, 17402), (63, 17438), (83, 17510), (91, 17558), (164, 17789), (183, 17843), (185, 17846), (223, 17972), (249, 18047), (251, 18056), (259, 18071), (272, 18110), (292, 18185), (296, 18206), (302, 18224), (305, 18236), (308,

18248), (314, 18281), (315, 18284), (318, 18302), (320, 18305), (327, 18326), (332, 18347), (334, 18356), (335, 18368), (345, 18416), (348, 18437), (353, 18461), (375, 18566), (376, 18569), (397, 18662), (402, 18683), (404, 18692), (406, 18704), (419, 18749), (433, 18788), (475, 18890), (499, 18974), (502, 18986), (507, 19007), (511, 19019), (534, 19094), (540, 19103), (558, 19139), (567, 19160), (577, 19181), (578, 19184), (595, 19202), (596, 19205), (606, 19232), (613, 19259), (712, 19505), (718, 19538), (730, 19598), (731, 19601), (745, 19667), (750, 19691), (757, 19709), (761, 19730), (797, 19811), (803, 19832), (817, 19886), (827, 19913), (841, 19991), (848, 20027), (856, 20075), (857, 20078), (861, 20090), (863, 20102), (876, 20177), (886, 20213), (891, 20243), (897, 20285),

Gene: Looper_29 Start: 15923, Stop: 18109, Start Num: 182

Candidate Starts for Looper_29:

(Start: 115 @15746 has 1 MA's), (Start: 117 @15755 has 4 MA's), (Start: 182 @15923 has 15 MA's), (262, 16163), (263, 16169), (283, 16238), (299, 16295), (334, 16439), (341, 16481), (350, 16529), (351, 16532), (374, 16643), (377, 16661), (404, 16766), (417, 16814), (486, 16919), (515, 16979), (546, 17033), (564, 17069), (582, 17093), (591, 17102), (617, 17165), (627, 17186), (632, 17201), (639, 17225), (646, 17237), (677, 17291), (690, 17312), (701, 17342), (754, 17513), (760, 17534), (792, 17618), (864, 17921), (889, 18044), (891, 18056),

Gene: Lopton_25 Start: 17715, Stop: 20195, Start Num: 106

Candidate Starts for Lopton_25:

(Start: 106 @17715 has 199 MA's), (119, 17754), (141, 17817), (Start: 151 @17847 has 22 MA's), (174, 17889), (278, 18096), (284, 18114), (308, 18204), (322, 18267), (330, 18291), (332, 18303), (341, 18354), (451, 18738), (518, 18840), (529, 18879), (542, 18894), (549, 18906), (559, 18930), (619, 19059), (655, 19158), (693, 19260), (700, 19281), (715, 19323), (734, 19422), (746, 19485), (772, 19575), (814, 19704), (823, 19737), (872, 20019), (882, 20085), (885, 20106), (892, 20145), (894, 20160),

Gene: Lorenzo_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Lorenzo_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Loser_29 Start: 18399, Stop: 20897, Start Num: 103

Candidate Starts for Loser_29:

(87, 18336), (Start: 103 @18399 has 89 MA's), (147, 18528), (165, 18567), (Start: 182 @18612 has 15 MA's), (242, 18714), (249, 18735), (257, 18753), (269, 18789), (292, 18873), (305, 18924), (320, 18993), (322, 18999), (327, 19014), (330, 19023), (332, 19035), (334, 19044), (375, 19254), (382, 19281), (385, 19296), (397, 19350), (402, 19371), (419, 19437), (433, 19476), (454, 19539), (499, 19662), (503, 19677), (526, 19761), (531, 19776), (540, 19791), (542, 19797), (548, 19806), (558, 19827), (567, 19848), (578, 19872), (596, 19893), (597, 19899), (609, 19932), (613, 19947), (615, 19959), (630, 19989), (633, 20001), (642, 20031), (648, 20043), (686, 20130), (700, 20163), (712, 20193), (718, 20226), (720, 20238), (799, 20457), (802, 20466), (806, 20475), (842, 20586), (847, 20616), (863, 20697), (891, 20838),

Gene: Louie6_27 Start: 16066, Stop: 19092, Start Num: 40

Candidate Starts for Louie6_27:

(31, 16012), (Start: 40 @16066 has 81 MA's), (56, 16180), (66, 16246), (67, 16249), (73, 16258), (84, 16294), (94, 16345), (118, 16417), (139, 16489), (183, 16609), (185, 16612), (207, 16681), (219,

16726), (251, 16819), (257, 16828), (263, 16846), (272, 16873), (288, 16936), (292, 16948), (301, 16981), (305, 16999), (318, 17065), (320, 17068), (322, 17074), (327, 17089), (330, 17098), (332, 17110), (334, 17119), (347, 17197), (351, 17212), (375, 17329), (376, 17332), (383, 17359), (385, 17371), (397, 17425), (402, 17446), (419, 17512), (433, 17551), (472, 17644), (484, 17692), (499, 17737), (512, 17785), (522, 17827), (526, 17836), (540, 17866), (541, 17869), (548, 17881), (573, 17938), (577, 17944), (595, 17965), (596, 17968), (642, 18106), (648, 18118), (673, 18178), (699, 18235), (734, 18373), (738, 18394), (742, 18418), (750, 18463), (757, 18481), (771, 18529), (775, 18541), (797, 18583), (811, 18646), (832, 18703), (841, 18772), (848, 18808), (864, 18889), (889, 19024),

Gene: Luchador_27 Start: 16953, Stop: 19361, Start Num: 135

Candidate Starts for Luchador_27:

(Start: 135 @16953 has 6 MA's), (Start: 142 @16971 has 5 MA's), (153, 17004), (195, 17106), (207, 17148), (229, 17190), (233, 17202), (267, 17316), (278, 17370), (292, 17415), (308, 17478), (314, 17511), (332, 17577), (337, 17607), (384, 17832), (475, 18030), (478, 18045), (490, 18078), (565, 18264), (630, 18420), (676, 18561), (699, 18621), (712, 18654), (715, 18666), (720, 18699), (722, 18708), (744, 18822), (746, 18840), (749, 18852), (759, 18876), (799, 18930), (803, 18942), (840, 19047), (863, 19158), (876, 19233), (891, 19299), (896, 19335),

Gene: Lucivia_26 Start: 17212, Stop: 19758, Start Num: 113

Candidate Starts for Lucivia_26:

(Start: 113 @17212 has 22 MA's), (Start: 120 @17230 has 2 MA's), (186, 17404), (194, 17413), (217, 17488), (245, 17542), (260, 17596), (264, 17611), (265, 17614), (272, 17632), (288, 17695), (292, 17707), (308, 17770), (322, 17833), (327, 17848), (330, 17857), (334, 17878), (338, 17902), (341, 17917), (359, 18004), (361, 18007), (366, 18022), (370, 18043), (372, 18055), (381, 18121), (396, 18193), (404, 18217), (436, 18298), (439, 18307), (443, 18319), (466, 18361), (497, 18418), (515, 18472), (560, 18580), (575, 18619), (628, 18760), (674, 18856), (681, 18877), (694, 18910), (711, 18943), (713, 18946), (733, 19030), (743, 19075), (744, 19078), (772, 19192), (783, 19225), (806, 19297), (816, 19333), (835, 19405), (847, 19483), (857, 19537), (863, 19561), (886, 19672),

Gene: Lucyedi_27 Start: 16773, Stop: 19835, Start Num: 5

Candidate Starts for Lucyedi_27:

(Start: 5 @16773 has 3 MA's), (18, 16947), (Start: 35 @17064 has 1 MA's), (63, 17241), (Start: 108 @17397 has 1 MA's), (114, 17403), (154, 17505), (193, 17601), (220, 17709), (222, 17715), (263, 17829), (282, 17895), (290, 17922), (308, 17991), (314, 18024), (315, 18027), (335, 18114), (336, 18117), (351, 18195), (367, 18255), (469, 18549), (494, 18579), (495, 18582), (572, 18735), (652, 18912), (658, 18924), (734, 19119), (739, 19140), (760, 19233), (770, 19260), (776, 19281), (783, 19302), (847, 19560), (858, 19617), (880, 19728),

Gene: LugYA_29 Start: 15979, Stop: 19005, Start Num: 40

Candidate Starts for LugYA_29:

(31, 15925), (Start: 40 @15979 has 81 MA's), (56, 16093), (66, 16159), (67, 16162), (73, 16171), (84, 16207), (94, 16258), (118, 16330), (139, 16402), (183, 16522), (185, 16525), (207, 16594), (219, 16639), (251, 16732), (257, 16741), (263, 16759), (272, 16786), (288, 16849), (292, 16861), (301, 16894), (305, 16912), (318, 16978), (320, 16981), (322, 16987), (327, 17002), (330, 17011), (332, 17023), (334, 17032), (347, 17110), (351, 17125), (375, 17242), (376, 17245), (383, 17272), (385, 17284), (397, 17338), (402, 17359), (419, 17425), (433, 17464), (472, 17557), (484, 17605), (499, 17650), (512, 17698), (522, 17740), (526, 17749), (540, 17779), (541, 17782), (548, 17794), (573, 17851), (577, 17857), (595, 17878), (596, 17881), (642, 18019), (648, 18031), (673, 18091), (699, 18148), (734, 18286), (738, 18307), (742, 18331), (750, 18376), (757, 18394), (771, 18442), (775, 18454), (797, 18496), (811, 18559), (832, 18616), (841, 18685), (848, 18721), (864, 18802), (889, 18937),

Gene: Lunsford_26 Start: 15882, Stop: 18482, Start Num: 104

Candidate Starts for Lunsford_26:

(Start: 104 @15882 has 113 MA's), (Start: 151 @16023 has 22 MA's), (Start: 162 @16041 has 10 MA's), (233, 16248), (245, 16287), (251, 16317), (284, 16434), (292, 16461), (308, 16524), (322, 16587), (334, 16632), (341, 16674), (357, 16758), (446, 17025), (474, 17076), (489, 17121), (519, 17199), (530, 17232), (532, 17238), (614, 17406), (622, 17427), (632, 17451), (657, 17517), (683, 17571), (700, 17619), (719, 17685), (750, 17850), (757, 17868), (803, 17994), (856, 18246), (857, 18249), (860, 18258), (872, 18318), (889, 18414), (896, 18462),

Gene: MA5_25 Start: 15111, Stop: 18149, Start Num: 39

Candidate Starts for MA5_25:

(Start: 39 @15111 has 32 MA's), (64, 15285), (78, 15330), (139, 15540), (185, 15663), (251, 15870), (272, 15924), (292, 15999), (301, 16032), (305, 16050), (308, 16062), (325, 16128), (332, 16161), (334, 16170), (341, 16212), (351, 16263), (375, 16380), (385, 16422), (397, 16476), (402, 16497), (419, 16563), (429, 16590), (484, 16743), (503, 16803), (511, 16833), (522, 16878), (526, 16887), (540, 16917), (548, 16932), (558, 16953), (567, 16974), (568, 16977), (573, 16989), (595, 17016), (596, 17019), (604, 17040), (624, 17103), (648, 17169), (673, 17229), (692, 17268), (712, 17319), (713, 17322), (715, 17331), (719, 17355), (734, 17424), (738, 17445), (750, 17514), (757, 17532), (771, 17580), (775, 17592), (797, 17634), (800, 17646), (810, 17694), (848, 17865), (864, 17946), (889, 18081), (891, 18093), (896, 18129),

Gene: MK4_25 Start: 15408, Stop: 18452, Start Num: 39

Candidate Starts for MK4_25:

(Start: 39 @15408 has 32 MA's), (64, 15582), (67, 15594), (139, 15837), (183, 15957), (185, 15960), (254, 16182), (272, 16227), (292, 16302), (301, 16335), (305, 16353), (308, 16365), (325, 16431), (332, 16464), (334, 16473), (341, 16515), (351, 16566), (375, 16683), (385, 16725), (397, 16779), (402, 16800), (416, 16857), (419, 16866), (470, 16992), (472, 16998), (479, 17025), (499, 17091), (503, 17106), (511, 17136), (512, 17139), (526, 17190), (530, 17202), (541, 17223), (548, 17235), (558, 17256), (573, 17292), (595, 17319), (607, 17352), (610, 17364), (624, 17406), (648, 17472), (673, 17532), (692, 17571), (712, 17622), (713, 17625), (715, 17634), (719, 17658), (734, 17727), (738, 17748), (750, 17817), (757, 17835), (771, 17883), (775, 17895), (797, 17937), (800, 17949), (810, 17997), (848, 18168), (860, 18228), (864, 18249), (889, 18384), (891, 18396), (896, 18432),

Gene: MPlant7149_23 Start: 15925, Stop: 18405, Start Num: 106

Candidate Starts for MPlant7149_23:

(Start: 106 @15925 has 199 MA's), (119, 15964), (141, 16027), (Start: 151 @16057 has 22 MA's), (174, 16099), (278, 16306), (284, 16324), (308, 16414), (322, 16477), (330, 16501), (332, 16513), (341, 16564), (451, 16948), (518, 17050), (529, 17089), (542, 17104), (549, 17116), (559, 17140), (619, 17269), (655, 17368), (693, 17470), (700, 17491), (715, 17533), (734, 17632), (746, 17695), (772, 17785), (814, 17914), (823, 17947), (872, 18229), (882, 18295), (885, 18316), (892, 18355), (894, 18370),

Gene: MaCh_26 Start: 17154, Stop: 19700, Start Num: 113

Candidate Starts for MaCh_26:

(Start: 113 @17154 has 22 MA's), (Start: 120 @17172 has 2 MA's), (186, 17346), (194, 17355), (217, 17430), (245, 17484), (260, 17538), (264, 17553), (265, 17556), (272, 17574), (288, 17637), (292, 17649), (308, 17712), (322, 17775), (327, 17790), (330, 17799), (334, 17820), (338, 17844), (341, 17859), (359, 17946), (361, 17949), (366, 17964), (370, 17985), (372, 17997), (381, 18063), (396, 18135), (404, 18159), (436, 18240), (439, 18249), (443, 18261), (466, 18303), (497, 18360), (515, 18414), (560, 18522), (575, 18561), (628, 18702), (674, 18798), (681, 18819), (694, 18852), (711, 18885), (713, 18888), (733, 18972), (743, 19017), (744, 19020), (772, 19134), (783, 19167), (806, 19239), (816, 19275), (835, 19347), (847, 19425), (857, 19479), (863, 19503), (886, 19614),

Gene: Mabel_26 Start: 17215, Stop: 19761, Start Num: 113

Candidate Starts for Mabel_26:

(Start: 113 @17215 has 22 MA's), (Start: 120 @17233 has 2 MA's), (186, 17407), (194, 17416), (217, 17491), (245, 17545), (260, 17599), (264, 17614), (265, 17617), (272, 17635), (288, 17698), (292, 17710), (308, 17773), (322, 17836), (327, 17851), (330, 17860), (334, 17881), (338, 17905), (341, 17920), (359, 18007), (361, 18010), (366, 18025), (370, 18046), (372, 18058), (381, 18124), (396, 18196), (404, 18220), (436, 18301), (439, 18310), (443, 18322), (466, 18364), (497, 18421), (515, 18475), (560, 18583), (575, 18622), (628, 18763), (674, 18859), (681, 18880), (694, 18913), (711, 18946), (713, 18949), (733, 19033), (743, 19078), (744, 19081), (772, 19195), (783, 19228), (806, 19300), (816, 19336), (835, 19408), (847, 19486), (857, 19540), (863, 19564), (886, 19675),

Gene: MadMarie_27 Start: 15981, Stop: 19007, Start Num: 40

Candidate Starts for MadMarie_27:

(31, 15927), (Start: 40 @15981 has 81 MA's), (56, 16095), (66, 16161), (67, 16164), (73, 16173), (84, 16209), (94, 16260), (118, 16332), (139, 16404), (183, 16524), (185, 16527), (207, 16596), (219, 16641), (251, 16734), (257, 16743), (263, 16761), (272, 16788), (288, 16851), (292, 16863), (301, 16896), (305, 16914), (318, 16980), (320, 16983), (322, 16989), (327, 17004), (330, 17013), (332, 17025), (334, 17034), (351, 17127), (375, 17244), (376, 17247), (383, 17274), (385, 17286), (397, 17340), (402, 17361), (419, 17427), (429, 17454), (472, 17559), (484, 17607), (499, 17652), (512, 17700), (522, 17742), (526, 17751), (540, 17781), (541, 17784), (548, 17796), (573, 17853), (577, 17859), (595, 17880), (596, 17883), (642, 18021), (648, 18033), (673, 18093), (700, 18153), (712, 18183), (713, 18186), (715, 18195), (734, 18288), (750, 18378), (771, 18444), (775, 18456), (797, 18498), (811, 18561), (832, 18618), (841, 18687), (848, 18723), (864, 18804), (889, 18939),

Gene: Magnar_24 Start: 16072, Stop: 18555, Start Num: 106

Candidate Starts for Magnar_24:

(Start: 106 @16072 has 199 MA's), (119, 16111), (141, 16174), (Start: 151 @16204 has 22 MA's), (174, 16246), (278, 16453), (284, 16471), (308, 16561), (322, 16624), (330, 16648), (332, 16660), (341, 16711), (451, 17095), (518, 17197), (529, 17236), (549, 17263), (559, 17287), (632, 17491), (635, 17503), (639, 17518), (680, 17635), (703, 17680), (709, 17701), (710, 17704), (750, 17869), (769, 17935), (789, 17977), (839, 18187), (852, 18268), (872, 18379), (882, 18445), (885, 18466), (892, 18505), (894, 18520),

Gene: Magnito_23 Start: 15836, Stop: 18307, Start Num: 106

Candidate Starts for Magnito_23:

(Start: 106 @15836 has 199 MA's), (119, 15875), (141, 15938), (Start: 151 @15968 has 22 MA's), (160, 15989), (174, 16010), (178, 16022), (186, 16040), (255, 16130), (308, 16328), (314, 16361), (332, 16427), (381, 16682), (385, 16703), (390, 16730), (467, 16889), (490, 16925), (542, 17018), (552, 17039), (583, 17096), (630, 17216), (639, 17252), (655, 17282), (666, 17318), (693, 17384), (700, 17405), (734, 17546), (769, 17687), (778, 17708), (839, 17939), (852, 18020), (872, 18131), (885, 18218), (892, 18257), (896, 18287),

Gene: Mainiac_27 Start: 15972, Stop: 18998, Start Num: 40

Candidate Starts for Mainiac_27:

(31, 15918), (Start: 40 @15972 has 81 MA's), (56, 16086), (66, 16152), (67, 16155), (73, 16164), (84, 16200), (94, 16251), (118, 16323), (139, 16395), (183, 16515), (185, 16518), (207, 16587), (219, 16632), (251, 16725), (257, 16734), (263, 16752), (272, 16779), (288, 16842), (292, 16854), (301, 16887), (305, 16905), (318, 16971), (320, 16974), (322, 16980), (327, 16995), (330, 17004), (332, 17016), (334, 17025), (351, 17118), (375, 17235), (376, 17238), (383, 17265), (385, 17277), (397, 17331), (402, 17352), (419, 17418), (429, 17445), (472, 17550), (484, 17598), (499, 17643), (512, 17691), (522, 17733), (526, 17742), (540, 17772), (541, 17775), (548, 17787), (573, 17844), (577, 17850), (595, 17871), (596, 17874), (642, 18012), (648, 18024), (673, 18084), (700, 18144), (712, 18174), (713, 18177), (715, 18186), (734, 18279), (750, 18369), (771, 18435), (775, 18447), (797,

18489), (811, 18552), (832, 18609), (841, 18678), (848, 18714), (864, 18795), (889, 18930),

Gene: MajorMajor_25 Start: 15528, Stop: 18041, Start Num: 103

Candidate Starts for MajorMajor_25:

(Start: 103 @15528 has 89 MA's), (141, 15639), (168, 15705), (170, 15708), (171, 15711), (249, 15897), (251, 15906), (257, 15915), (292, 16035), (305, 16086), (316, 16143), (320, 16155), (324, 16161), (327, 16176), (332, 16197), (334, 16206), (343, 16254), (375, 16416), (383, 16446), (385, 16458), (394, 16497), (397, 16512), (402, 16533), (416, 16590), (419, 16599), (429, 16626), (470, 16725), (499, 16824), (503, 16839), (526, 16923), (534, 16944), (558, 16989), (595, 17052), (596, 17055), (612, 17106), (615, 17121), (673, 17265), (686, 17292), (712, 17355), (716, 17370), (720, 17400), (742, 17496), (759, 17562), (802, 17625), (857, 17820), (858, 17823), (863, 17844),

Gene: Makemake_24 Start: 17552, Stop: 20023, Start Num: 106

Candidate Starts for Makemake_24:

(Start: 106 @17552 has 199 MA's), (119, 17591), (141, 17654), (Start: 151 @17684 has 22 MA's), (160, 17705), (174, 17726), (186, 17756), (236, 17780), (255, 17846), (308, 18044), (314, 18077), (332, 18143), (381, 18398), (385, 18419), (390, 18446), (423, 18542), (440, 18572), (542, 18734), (552, 18755), (583, 18812), (630, 18932), (639, 18968), (655, 18998), (666, 19034), (693, 19100), (700, 19121), (715, 19163), (734, 19262), (769, 19403), (778, 19424), (822, 19559), (852, 19736), (872, 19847), (882, 19913), (885, 19934), (892, 19973), (894, 19988),

Gene: Malec_27 Start: 16899, Stop: 19439, Start Num: 103

Candidate Starts for Malec_27:

(Start: 103 @16899 has 89 MA's), (170, 17079), (240, 17244), (242, 17250), (249, 17271), (251, 17280), (272, 17334), (275, 17346), (279, 17367), (292, 17409), (309, 17481), (327, 17553), (330, 17562), (334, 17583), (337, 17604), (338, 17607), (341, 17625), (352, 17685), (360, 17712), (375, 17793), (385, 17835), (386, 17844), (388, 17853), (389, 17856), (397, 17889), (400, 17901), (402, 17910), (418, 17973), (419, 17976), (429, 18003), (433, 18015), (499, 18201), (511, 18246), (526, 18300), (530, 18312), (534, 18321), (542, 18336), (558, 18366), (568, 18390), (572, 18399), (573, 18402), (595, 18429), (600, 18444), (609, 18471), (614, 18492), (615, 18498), (648, 18582), (673, 18642), (686, 18669), (712, 18732), (749, 18915), (756, 18927), (799, 18996), (802, 19005), (806, 19014), (842, 19125), (847, 19155), (855, 19209), (863, 19239), (899, 19425),

Gene: Malinsilva_29 Start: 15971, Stop: 18997, Start Num: 40

Candidate Starts for Malinsilva_29:

(31, 15917), (Start: 40 @15971 has 81 MA's), (56, 16085), (66, 16151), (67, 16154), (73, 16163), (84, 16199), (94, 16250), (118, 16322), (139, 16394), (183, 16514), (185, 16517), (207, 16586), (219, 16631), (251, 16724), (257, 16733), (263, 16751), (272, 16778), (288, 16841), (292, 16853), (301, 16886), (305, 16904), (318, 16970), (320, 16973), (322, 16979), (327, 16994), (330, 17003), (332, 17015), (334, 17024), (351, 17117), (375, 17234), (376, 17237), (383, 17264), (385, 17276), (397, 17330), (402, 17351), (419, 17417), (429, 17444), (472, 17549), (484, 17597), (499, 17642), (512, 17690), (522, 17732), (526, 17741), (540, 17771), (541, 17774), (548, 17786), (573, 17843), (577, 17849), (595, 17870), (596, 17873), (642, 18011), (648, 18023), (673, 18083), (700, 18143), (712, 18173), (713, 18176), (715, 18185), (734, 18278), (750, 18368), (771, 18434), (775, 18446), (797, 18488), (811, 18551), (832, 18608), (841, 18677), (848, 18713), (864, 18794), (889, 18929),

Gene: Maminina_27 Start: 17320, Stop: 20244, Start Num: 54

Candidate Starts for Maminina_27:

(Start: 54 @17320 has 33 MA's), (56, 17332), (61, 17356), (63, 17368), (110, 17557), (127, 17620), (148, 17683), (164, 17725), (185, 17782), (187, 17788), (253, 17998), (257, 18004), (262, 18019), (277, 18070), (287, 18109), (292, 18124), (304, 18166), (305, 18175), (314, 18220), (320, 18244), (334, 18295), (337, 18316), (338, 18319), (341, 18337), (371, 18466), (375, 18505), (382, 18532), (385, 18547), (391, 18577), (397, 18601), (402, 18622), (419, 18688), (433, 18727), (472, 18820),

(479, 18847), (499, 18913), (511, 18958), (534, 19033), (558, 19078), (567, 19099), (577, 19120), (578, 19123), (592, 19132), (595, 19141), (596, 19144), (597, 19150), (634, 19258), (637, 19270), (668, 19336), (712, 19444), (720, 19489), (725, 19501), (730, 19537), (731, 19540), (742, 19585), (748, 19621), (751, 19636), (766, 19687), (797, 19750), (810, 19810), (827, 19852), (841, 19930), (846, 19957), (848, 19966), (857, 20017), (876, 20116), (882, 20143), (891, 20182), (897, 20224),

Gene: Manatee_25 Start: 16575, Stop: 18575, Start Num: 106

Candidate Starts for Manatee_25:

(Start: 106 @16575 has 199 MA's), (119, 16614), (141, 16677), (Start: 151 @16707 has 22 MA's), (160, 16728), (231, 16788), (259, 16884), (278, 16953), (282, 16965), (308, 17061), (314, 17094), (368, 17328), (475, 17616), (527, 17718), (536, 17730), (583, 17808), (601, 17850), (632, 17904), (635, 17916), (639, 17931), (655, 17949), (661, 17961), (700, 18039), (715, 18069), (734, 18165), (801, 18375), (836, 18525),

Gene: Manu_28 Start: 16057, Stop: 19083, Start Num: 40

Candidate Starts for Manu_28:

(31, 16003), (Start: 40 @16057 has 81 MA's), (56, 16171), (66, 16237), (67, 16240), (73, 16249), (84, 16285), (94, 16336), (118, 16408), (139, 16480), (183, 16600), (185, 16603), (207, 16672), (219, 16717), (251, 16810), (257, 16819), (272, 16864), (281, 16903), (288, 16927), (292, 16939), (301, 16972), (305, 16990), (309, 17011), (320, 17059), (322, 17065), (327, 17080), (330, 17089), (332, 17101), (334, 17110), (351, 17203), (372, 17290), (375, 17320), (376, 17323), (383, 17350), (385, 17362), (397, 17416), (402, 17437), (408, 17467), (419, 17503), (470, 17629), (484, 17683), (499, 17728), (512, 17776), (522, 17818), (526, 17827), (540, 17857), (573, 17929), (577, 17935), (595, 17956), (596, 17959), (600, 17971), (638, 18088), (642, 18097), (673, 18169), (674, 18172), (692, 18208), (712, 18259), (713, 18262), (715, 18271), (750, 18454), (771, 18520), (775, 18532), (797, 18574), (811, 18637), (832, 18694), (841, 18763), (848, 18799), (864, 18880), (889, 19015), (891, 19027),

Gene: MarQuardt_27 Start: 15980, Stop: 19006, Start Num: 40

Candidate Starts for MarQuardt_27:

(31, 15926), (Start: 40 @15980 has 81 MA's), (56, 16094), (66, 16160), (67, 16163), (73, 16172), (84, 16208), (94, 16259), (118, 16331), (139, 16403), (183, 16523), (185, 16526), (207, 16595), (219, 16640), (251, 16733), (257, 16742), (263, 16760), (272, 16787), (288, 16850), (292, 16862), (301, 16895), (305, 16913), (318, 16979), (320, 16982), (322, 16988), (327, 17003), (330, 17012), (332, 17024), (334, 17033), (347, 17111), (351, 17126), (375, 17243), (376, 17246), (383, 17273), (385, 17285), (397, 17339), (402, 17360), (419, 17426), (433, 17465), (472, 17558), (484, 17606), (499, 17651), (512, 17699), (522, 17741), (526, 17750), (540, 17780), (541, 17783), (548, 17795), (573, 17852), (577, 17858), (595, 17879), (596, 17882), (642, 18020), (648, 18032), (673, 18092), (699, 18149), (734, 18287), (738, 18308), (742, 18332), (750, 18377), (757, 18395), (771, 18443), (775, 18455), (797, 18497), (811, 18560), (832, 18617), (841, 18686), (848, 18722), (864, 18803), (889, 18938),

Gene: Marcell_24 Start: 16585, Stop: 19065, Start Num: 106

Candidate Starts for Marcell_24:

(Start: 106 @16585 has 199 MA's), (119, 16624), (141, 16687), (Start: 151 @16717 has 22 MA's), (174, 16759), (278, 16966), (284, 16984), (308, 17074), (322, 17137), (330, 17161), (332, 17173), (341, 17224), (451, 17608), (518, 17710), (529, 17749), (549, 17776), (559, 17800), (655, 18028), (693, 18130), (700, 18151), (715, 18193), (734, 18292), (746, 18355), (814, 18574), (823, 18607), (852, 18778), (872, 18889), (885, 18976), (892, 19015), (894, 19030),

Gene: Marchesa_25 Start: 15546, Stop: 18584, Start Num: 39

Candidate Starts for Marchesa_25:

(Start: 39 @15546 has 32 MA's), (64, 15720), (67, 15732), (78, 15765), (139, 15975), (185, 16098), (195, 16119), (251, 16305), (272, 16359), (288, 16422), (292, 16434), (301, 16467), (305, 16485), (320, 16554), (322, 16560), (327, 16575), (330, 16584), (332, 16596), (334, 16605), (351, 16698), (375, 16815), (376, 16818), (383, 16845), (385, 16857), (397, 16911), (402, 16932), (406, 16953), (419, 16998), (433, 17037), (484, 17178), (499, 17223), (503, 17238), (522, 17313), (526, 17322), (540, 17352), (548, 17367), (549, 17370), (558, 17388), (567, 17409), (568, 17412), (577, 17430), (595, 17451), (596, 17454), (624, 17538), (648, 17604), (657, 17625), (673, 17664), (692, 17703), (712, 17754), (713, 17757), (715, 17766), (719, 17790), (734, 17859), (738, 17880), (750, 17949), (757, 17967), (771, 18015), (775, 18027), (797, 18069), (800, 18081), (810, 18129), (848, 18300), (852, 18330), (860, 18360), (864, 18381), (889, 18516), (891, 18528), (896, 18564),

Gene: Marchy_23 Start: 15902, Stop: 18370, Start Num: 106

Candidate Starts for Marchy_23:

(Start: 106 @15902 has 199 MA's), (112, 15917), (Start: 151 @16031 has 22 MA's), (160, 16052), (174, 16073), (186, 16103), (255, 16193), (308, 16391), (314, 16424), (332, 16490), (381, 16745), (385, 16766), (390, 16793), (467, 16952), (490, 16988), (542, 17081), (552, 17102), (559, 17117), (569, 17138), (571, 17141), (606, 17210), (616, 17246), (630, 17279), (639, 17315), (655, 17345), (666, 17381), (693, 17447), (700, 17468), (734, 17609), (769, 17750), (778, 17771), (822, 17906), (852, 18083), (872, 18194), (882, 18260), (885, 18281), (892, 18320), (896, 18350),

Gene: Marge_25 Start: 16805, Stop: 19465, Start Num: 106

Candidate Starts for Marge_25:

(Start: 106 @16805 has 199 MA's), (119, 16844), (141, 16907), (143, 16913), (Start: 151 @16937 has 22 MA's), (174, 16979), (308, 17288), (322, 17351), (334, 17396), (339, 17420), (353, 17495), (356, 17507), (440, 17828), (555, 18158), (576, 18209), (586, 18236), (655, 18440), (695, 18554), (700, 18563), (708, 18584), (715, 18605), (734, 18704), (743, 18746), (744, 18749), (784, 18878), (810, 18962), (823, 19007), (872, 19289), (885, 19376), (892, 19415), (894, 19430),

Gene: Margo_26 Start: 16069, Stop: 19107, Start Num: 39

Candidate Starts for Margo_26:

(Start: 39 @16069 has 32 MA's), (64, 16243), (67, 16255), (78, 16288), (139, 16495), (147, 16516), (183, 16615), (185, 16618), (251, 16828), (257, 16837), (261, 16849), (272, 16882), (288, 16945), (292, 16957), (301, 16990), (305, 17008), (309, 17029), (320, 17077), (322, 17083), (327, 17098), (330, 17107), (332, 17119), (334, 17128), (351, 17221), (375, 17338), (376, 17341), (383, 17368), (385, 17380), (397, 17434), (402, 17455), (419, 17521), (433, 17560), (484, 17701), (499, 17746), (522, 17836), (526, 17845), (540, 17875), (567, 17932), (573, 17947), (595, 17974), (596, 17977), (603, 17995), (638, 18106), (673, 18187), (699, 18244), (714, 18286), (734, 18382), (738, 18403), (742, 18427), (750, 18472), (757, 18490), (771, 18538), (775, 18550), (797, 18592), (800, 18604), (810, 18652), (848, 18823), (860, 18883), (862, 18895), (869, 18922), (872, 18943), (889, 19039), (896, 19087),

Gene: Marie_27 Start: 15978, Stop: 19004, Start Num: 40

Candidate Starts for Marie_27:

(31, 15924), (Start: 40 @15978 has 81 MA's), (56, 16092), (66, 16158), (67, 16161), (73, 16170), (84, 16206), (94, 16257), (118, 16329), (139, 16401), (183, 16521), (185, 16524), (207, 16593), (219, 16638), (251, 16731), (257, 16740), (263, 16758), (272, 16785), (288, 16848), (292, 16860), (301, 16893), (305, 16911), (318, 16977), (320, 16980), (322, 16986), (327, 17001), (330, 17010), (332, 17022), (334, 17031), (347, 17109), (351, 17124), (375, 17241), (376, 17244), (383, 17271), (385, 17283), (397, 17337), (402, 17358), (419, 17424), (433, 17463), (472, 17556), (484, 17604), (499, 17649), (512, 17697), (522, 17739), (526, 17748), (540, 17778), (541, 17781), (548, 17793), (573, 17850), (577, 17856), (595, 17877), (596, 17880), (642, 18018), (648, 18030), (673, 18090), (699, 18147), (734, 18285), (738, 18306), (742, 18330), (750, 18375), (757, 18393), (771, 18441), (775, 18453), (797, 18495), (811, 18558), (832, 18615), (841, 18684), (848, 18720), (864, 18801), (889,

18936),

Gene: Marius_28 Start: 16057, Stop: 19083, Start Num: 40

Candidate Starts for Marius_28:

(31, 16003), (Start: 40 @16057 has 81 MA's), (56, 16171), (66, 16237), (67, 16240), (73, 16249), (84, 16285), (94, 16336), (118, 16408), (139, 16480), (183, 16600), (185, 16603), (207, 16672), (219, 16717), (251, 16810), (257, 16819), (272, 16864), (281, 16903), (288, 16927), (292, 16939), (301, 16972), (305, 16990), (309, 17011), (320, 17059), (322, 17065), (327, 17080), (330, 17089), (332, 17101), (334, 17110), (351, 17203), (372, 17290), (375, 17320), (376, 17323), (383, 17350), (385, 17362), (397, 17416), (402, 17437), (408, 17467), (419, 17503), (470, 17629), (484, 17683), (499, 17728), (512, 17776), (522, 17818), (526, 17827), (540, 17857), (573, 17929), (577, 17935), (595, 17956), (596, 17959), (600, 17971), (638, 18088), (642, 18097), (673, 18169), (674, 18172), (692, 18208), (712, 18259), (713, 18262), (715, 18271), (750, 18454), (771, 18520), (775, 18532), (797, 18574), (811, 18637), (832, 18694), (841, 18763), (848, 18799), (864, 18880), (889, 19015), (891, 19027),

Gene: Maroc7_23 Start: 16098, Stop: 18569, Start Num: 106

Candidate Starts for Maroc7_23:

(Start: 106 @16098 has 199 MA's), (119, 16137), (141, 16200), (Start: 151 @16230 has 22 MA's), (160, 16251), (174, 16272), (178, 16284), (186, 16302), (255, 16392), (308, 16590), (314, 16623), (332, 16689), (381, 16944), (385, 16965), (390, 16992), (467, 17151), (490, 17187), (542, 17280), (552, 17301), (583, 17358), (630, 17478), (639, 17514), (655, 17544), (666, 17580), (693, 17646), (700, 17667), (734, 17808), (769, 17949), (778, 17970), (822, 18105), (852, 18282), (872, 18393), (885, 18480), (892, 18519), (896, 18549),

Gene: Marsha_24 Start: 16857, Stop: 19691, Start Num: 106

Candidate Starts for Marsha_24:

(Start: 106 @16857 has 199 MA's), (128, 16929), (250, 17172), (256, 17187), (271, 17232), (298, 17352), (303, 17370), (310, 17418), (319, 17463), (332, 17508), (333, 17511), (341, 17559), (378, 17742), (385, 17769), (405, 17853), (420, 17910), (428, 17928), (441, 17973), (456, 18009), (479, 18069), (491, 18117), (510, 18180), (512, 18183), (550, 18300), (565, 18336), (574, 18363), (581, 18375), (585, 18393), (589, 18408), (611, 18471), (653, 18600), (667, 18645), (677, 18678), (683, 18690), (722, 18819), (740, 18915), (758, 19002), (759, 19005), (765, 19023), (821, 19227), (852, 19404), (872, 19515), (885, 19602), (892, 19641), (896, 19671),

Gene: MaryBeth_24 Start: 16506, Stop: 18977, Start Num: 106

Candidate Starts for MaryBeth_24:

(Start: 106 @16506 has 199 MA's), (119, 16545), (141, 16608), (Start: 151 @16638 has 22 MA's), (160, 16659), (174, 16680), (178, 16692), (186, 16710), (255, 16800), (308, 16998), (314, 17031), (332, 17097), (381, 17352), (385, 17373), (390, 17400), (467, 17559), (490, 17595), (542, 17688), (552, 17709), (583, 17766), (630, 17886), (639, 17922), (655, 17952), (666, 17988), (693, 18054), (700, 18075), (734, 18216), (769, 18357), (778, 18378), (822, 18513), (852, 18690), (872, 18801), (885, 18888), (892, 18927), (894, 18942),

Gene: MarysWell_21 Start: 15213, Stop: 18551, Start Num: 1

Candidate Starts for MarysWell_21:

(Start: 1 @15213 has 30 MA's), (37, 15651), (122, 15963), (130, 16005), (144, 16041), (154, 16071), (175, 16128), (204, 16212), (220, 16275), (222, 16281), (256, 16383), (262, 16401), (288, 16494), (308, 16569), (317, 16614), (322, 16632), (334, 16677), (337, 16698), (376, 16890), (389, 16950), (409, 17028), (425, 17076), (459, 17154), (514, 17280), (524, 17292), (533, 17316), (570, 17379), (650, 17571), (669, 17601), (677, 17625), (683, 17637), (706, 17700), (734, 17823), (739, 17844), (743, 17865), (762, 17943), (770, 17964), (783, 18006), (792, 18027), (803, 18063), (816, 18114), (825, 18144), (839, 18207), (842, 18225), (856, 18306), (860, 18318), (862, 18330), (864, 18339),

(875, 18393), (888, 18477), (893, 18516),

Gene: Maverick_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Maverick_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (530, 17235), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Maxo_25 Start: 15883, Stop: 18483, Start Num: 104

Candidate Starts for Maxo_25:

(Start: 104 @15883 has 113 MA's), (Start: 151 @16024 has 22 MA's), (Start: 162 @16042 has 10 MA's), (233, 16249), (245, 16288), (251, 16318), (284, 16435), (292, 16462), (308, 16525), (322, 16588), (334, 16633), (341, 16675), (357, 16759), (446, 17026), (474, 17077), (489, 17122), (519, 17200), (532, 17239), (545, 17260), (614, 17407), (622, 17428), (632, 17452), (657, 17518), (683, 17572), (700, 17620), (719, 17686), (750, 17851), (757, 17869), (803, 17995), (856, 18247), (857, 18250), (860, 18259), (872, 18319), (889, 18415), (896, 18463),

Gene: Mazhar510_25 Start: 15886, Stop: 18486, Start Num: 104

Candidate Starts for Mazhar510_25:

(Start: 104 @15886 has 113 MA's), (Start: 151 @16027 has 22 MA's), (Start: 162 @16045 has 10 MA's), (214, 16201), (233, 16252), (245, 16291), (251, 16321), (284, 16438), (292, 16465), (308, 16528), (322, 16591), (334, 16636), (341, 16678), (357, 16762), (446, 17029), (474, 17080), (489, 17125), (519, 17203), (530, 17236), (532, 17242), (597, 17356), (614, 17410), (632, 17455), (655, 17515), (683, 17575), (719, 17689), (750, 17854), (757, 17872), (803, 17998), (856, 18250), (857, 18253), (860, 18262), (872, 18322), (889, 18418), (896, 18466),

Gene: McFly_29 Start: 16735, Stop: 18939, Start Num: 124

Candidate Starts for McFly_29:

(65, 16576), (98, 16690), (Start: 124 @16735 has 42 MA's), (166, 16846), (168, 16852), (206, 16960), (217, 17002), (239, 17068), (267, 17161), (276, 17188), (308, 17311), (314, 17344), (336, 17434), (349, 17503), (404, 17746), (495, 17884), (599, 18004), (701, 18157), (734, 18220), (743, 18262), (770, 18361), (776, 18382), (783, 18403), (792, 18424), (806, 18475), (808, 18487), (813, 18502), (835, 18583), (847, 18661),

Gene: McGuire_25 Start: 16390, Stop: 18867, Start Num: 107

Candidate Starts for McGuire_25:

(Start: 107 @16390 has 8 MA's), (112, 16405), (Start: 151 @16519 has 22 MA's), (174, 16561), (278, 16768), (284, 16786), (308, 16876), (322, 16939), (330, 16963), (332, 16975), (341, 17026), (451, 17410), (518, 17512), (529, 17551), (549, 17578), (559, 17602), (619, 17731), (655, 17830), (693, 17932), (700, 17953), (715, 17995), (734, 18094), (746, 18157), (772, 18247), (814, 18376), (823, 18409), (852, 18580), (872, 18691), (882, 18757), (885, 18778), (892, 18817), (894, 18832),

Gene: Medusa_25 Start: 15886, Stop: 18486, Start Num: 104

Candidate Starts for Medusa_25:

(Start: 104 @15886 has 113 MA's), (Start: 151 @16027 has 22 MA's), (Start: 162 @16045 has 10 MA's), (233, 16252), (245, 16291), (251, 16321), (284, 16438), (292, 16465), (308, 16528), (322, 16591), (334, 16636), (341, 16678), (357, 16762), (446, 17029), (474, 17080), (489, 17125), (519, 17203), (530, 17236), (532, 17242), (582, 17338), (595, 17347), (614, 17410), (622, 17431), (633, 17458), (655, 17515), (657, 17521), (683, 17575), (700, 17623), (719, 17689), (750, 17854), (757, 17872), (803, 17998), (856, 18250), (857, 18253), (860, 18262), (872, 18322), (889, 18418), (896,

18466),

Gene: MeeZee_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for MeeZee_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (597, 17355), (614, 17409), (632, 17454), (655, 17514), (668, 17532), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Melvin_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Melvin_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (655, 17514), (657, 17520), (659, 17523), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: MetalQZJ_24 Start: 16506, Stop: 18977, Start Num: 106

Candidate Starts for MetalQZJ_24:

(Start: 106 @16506 has 199 MA's), (119, 16545), (141, 16608), (Start: 151 @16638 has 22 MA's), (160, 16659), (174, 16680), (178, 16692), (186, 16710), (255, 16800), (308, 16998), (314, 17031), (332, 17097), (381, 17352), (385, 17373), (390, 17400), (467, 17559), (490, 17595), (542, 17688), (552, 17709), (583, 17766), (630, 17886), (639, 17922), (655, 17952), (666, 17988), (693, 18054), (700, 18075), (734, 18216), (769, 18357), (778, 18378), (822, 18513), (852, 18690), (872, 18801), (885, 18888), (892, 18927), (894, 18942),

Gene: Methuselah_26 Start: 16062, Stop: 19088, Start Num: 40

Candidate Starts for Methuselah_26:

(31, 16008), (Start: 40 @16062 has 81 MA's), (56, 16176), (66, 16242), (67, 16245), (73, 16254), (84, 16290), (94, 16341), (118, 16413), (139, 16485), (183, 16605), (185, 16608), (207, 16677), (219, 16722), (251, 16815), (257, 16824), (263, 16842), (272, 16869), (288, 16932), (292, 16944), (301, 16977), (305, 16995), (318, 17061), (320, 17064), (322, 17070), (327, 17085), (330, 17094), (332, 17106), (334, 17115), (347, 17193), (351, 17208), (375, 17325), (376, 17328), (383, 17355), (385, 17367), (397, 17421), (402, 17442), (419, 17508), (433, 17547), (472, 17640), (484, 17688), (499, 17733), (512, 17781), (522, 17823), (526, 17832), (540, 17862), (541, 17865), (548, 17877), (573, 17934), (577, 17940), (595, 17961), (596, 17964), (642, 18102), (648, 18114), (673, 18174), (699, 18231), (734, 18369), (738, 18390), (742, 18414), (750, 18459), (757, 18477), (771, 18525), (775, 18537), (797, 18579), (811, 18642), (832, 18699), (841, 18768), (848, 18804), (864, 18885), (889, 19020),

Gene: Micasa_22 Start: 15213, Stop: 18557, Start Num: 1

Candidate Starts for Micasa_22:

(Start: 1 @15213 has 30 MA's), (37, 15651), (122, 15963), (144, 16041), (154, 16071), (175, 16128), (204, 16212), (220, 16275), (222, 16281), (262, 16401), (288, 16494), (308, 16569), (317, 16614), (322, 16632), (334, 16677), (337, 16698), (376, 16890), (409, 17028), (425, 17076), (459, 17154), (461, 17157), (504, 17253), (514, 17280), (533, 17316), (538, 17328), (570, 17385), (650, 17577), (669, 17607), (677, 17631), (683, 17643), (706, 17706), (734, 17829), (739, 17850), (743, 17871), (762, 17949), (770, 17970), (783, 18012), (792, 18033), (816, 18120), (825, 18150), (839, 18213), (842, 18231), (856, 18312), (860, 18324), (862, 18336), (864, 18345), (875, 18399), (888, 18483), (893, 18522),

Gene: Michley_24 Start: 16251, Stop: 18722, Start Num: 106

Candidate Starts for Michley_24:

(Start: 106 @16251 has 199 MA's), (119, 16290), (141, 16353), (Start: 151 @16383 has 22 MA's), (160, 16404), (174, 16425), (186, 16455), (236, 16479), (255, 16545), (308, 16743), (314, 16776), (332, 16842), (381, 17097), (385, 17118), (390, 17145), (467, 17304), (490, 17340), (542, 17433), (552, 17454), (559, 17469), (569, 17490), (571, 17493), (606, 17562), (616, 17598), (630, 17631), (639, 17667), (655, 17697), (666, 17733), (693, 17799), (700, 17820), (734, 17961), (769, 18102), (778, 18123), (822, 18258), (852, 18435), (872, 18546), (882, 18612), (885, 18633), (892, 18672), (894, 18687),

Gene: Microwolf_27 Start: 15980, Stop: 19006, Start Num: 40

Candidate Starts for Microwolf_27:

(31, 15926), (Start: 40 @15980 has 81 MA's), (56, 16094), (66, 16160), (67, 16163), (73, 16172), (84, 16208), (94, 16259), (118, 16331), (139, 16403), (183, 16523), (185, 16526), (207, 16595), (219, 16640), (251, 16733), (257, 16742), (263, 16760), (272, 16787), (288, 16850), (292, 16862), (301, 16895), (305, 16913), (318, 16979), (320, 16982), (322, 16988), (327, 17003), (330, 17012), (332, 17024), (334, 17033), (351, 17126), (375, 17243), (376, 17246), (383, 17273), (385, 17285), (397, 17339), (402, 17360), (419, 17426), (429, 17453), (472, 17558), (484, 17606), (499, 17651), (512, 17699), (522, 17741), (526, 17750), (540, 17780), (541, 17783), (548, 17795), (573, 17852), (577, 17858), (595, 17879), (596, 17882), (642, 18020), (648, 18032), (673, 18092), (700, 18152), (712, 18182), (713, 18185), (715, 18194), (734, 18287), (750, 18377), (771, 18443), (775, 18455), (797, 18497), (811, 18560), (832, 18617), (841, 18686), (848, 18722), (864, 18803), (889, 18938),

Gene: MiculUcigas_26 Start: 16672, Stop: 19179, Start Num: 103

Candidate Starts for MiculUcigas_26:

(Start: 103 @16672 has 89 MA's), (141, 16783), (165, 16840), (249, 17026), (272, 17089), (279, 17122), (281, 17128), (327, 17308), (330, 17317), (334, 17338), (337, 17359), (338, 17362), (341, 17380), (352, 17440), (375, 17548), (385, 17590), (397, 17644), (402, 17665), (418, 17728), (419, 17731), (426, 17749), (433, 17770), (499, 17956), (503, 17971), (508, 17998), (526, 18055), (531, 18070), (534, 18076), (540, 18085), (542, 18091), (558, 18121), (567, 18142), (596, 18187), (597, 18193), (609, 18226), (615, 18253), (642, 18325), (648, 18337), (673, 18397), (686, 18424), (712, 18487), (720, 18532), (725, 18544), (730, 18580), (739, 18616), (745, 18649), (782, 18712), (797, 18736), (843, 18880), (863, 18979), (879, 19066), (899, 19165),

Gene: Midas2_22 Start: 15213, Stop: 18551, Start Num: 1

Candidate Starts for Midas2_22:

(Start: 1 @15213 has 30 MA's), (37, 15651), (122, 15963), (144, 16041), (154, 16071), (175, 16128), (220, 16275), (222, 16281), (262, 16401), (264, 16410), (287, 16491), (288, 16494), (308, 16569), (317, 16614), (322, 16632), (334, 16677), (337, 16698), (376, 16890), (409, 17028), (425, 17076), (459, 17154), (514, 17280), (524, 17292), (533, 17316), (570, 17379), (650, 17571), (669, 17601), (677, 17625), (683, 17637), (706, 17700), (734, 17823), (739, 17844), (743, 17865), (762, 17943), (770, 17964), (783, 18006), (792, 18027), (816, 18114), (825, 18144), (839, 18207), (842, 18225), (856, 18306), (860, 18318), (862, 18330), (864, 18339), (875, 18393), (888, 18477), (893, 18516),

Gene: Miko_29 Start: 18238, Stop: 20766, Start Num: 103

Candidate Starts for Miko_29:

(Start: 103 @18238 has 89 MA's), (141, 18349), (145, 18361), (170, 18418), (171, 18421), (249, 18610), (272, 18673), (292, 18748), (304, 18790), (305, 18799), (309, 18820), (314, 18844), (332, 18910), (334, 18919), (337, 18940), (338, 18943), (375, 19129), (385, 19171), (402, 19246), (419, 19312), (433, 19351), (499, 19537), (526, 19636), (534, 19657), (558, 19702), (572, 19735), (573, 19738), (595, 19765), (609, 19807), (615, 19834), (642, 19906), (648, 19918), (684, 20002), (686, 20005), (712, 20068), (720, 20113), (725, 20125), (742, 20209), (756, 20263), (806, 20347), (826,

20371), (847, 20488), (863, 20566),

Gene: Milcery_22 Start: 15249, Stop: 18587, Start Num: 1

Candidate Starts for Milcery_22:

(Start: 1 @15249 has 30 MA's), (37, 15687), (122, 15999), (144, 16077), (154, 16107), (175, 16164), (204, 16248), (220, 16311), (222, 16317), (262, 16437), (287, 16527), (288, 16530), (308, 16605), (317, 16650), (322, 16668), (334, 16713), (337, 16734), (376, 16926), (409, 17064), (425, 17112), (459, 17190), (514, 17316), (524, 17328), (533, 17352), (570, 17415), (650, 17607), (669, 17637), (677, 17661), (683, 17673), (706, 17736), (734, 17859), (739, 17880), (743, 17901), (762, 17979), (770, 18000), (783, 18042), (792, 18063), (816, 18150), (825, 18180), (839, 18243), (842, 18261), (856, 18342), (860, 18354), (862, 18366), (864, 18375), (875, 18429), (888, 18513), (889, 18522), (893, 18552),

Gene: Millski_24 Start: 15888, Stop: 18488, Start Num: 104

Candidate Starts for Millski_24:

(Start: 104 @15888 has 113 MA's), (Start: 151 @16029 has 22 MA's), (Start: 162 @16047 has 10 MA's), (233, 16254), (245, 16293), (251, 16323), (276, 16407), (284, 16440), (292, 16467), (308, 16530), (322, 16593), (334, 16638), (341, 16680), (357, 16764), (446, 17031), (474, 17082), (489, 17127), (519, 17205), (532, 17244), (614, 17412), (622, 17433), (632, 17457), (657, 17523), (683, 17577), (700, 17625), (719, 17691), (750, 17856), (757, 17874), (803, 18000), (856, 18252), (857, 18255), (860, 18264), (872, 18324), (889, 18420), (896, 18468),

Gene: MinecraftSteve_29 Start: 15877, Stop: 18231, Start Num: 117

Candidate Starts for MinecraftSteve_29:

(Start: 115 @15868 has 1 MA's), (Start: 117 @15877 has 4 MA's), (Start: 182 @16045 has 15 MA's), (262, 16285), (263, 16291), (283, 16360), (299, 16417), (334, 16561), (341, 16603), (350, 16651), (351, 16654), (374, 16765), (377, 16783), (404, 16888), (417, 16936), (486, 17041), (515, 17101), (546, 17155), (564, 17191), (582, 17215), (591, 17224), (617, 17287), (627, 17308), (632, 17323), (639, 17347), (646, 17359), (677, 17413), (690, 17434), (701, 17464), (754, 17635), (760, 17656), (792, 17740), (864, 18043), (889, 18166), (891, 18178),

Gene: Miramae_25 Start: 15828, Stop: 18428, Start Num: 104

Candidate Starts for Miramae_25:

(Start: 104 @15828 has 113 MA's), (Start: 172 @16011 has 1 MA's), (222, 16170), (239, 16218), (284, 16380), (289, 16398), (308, 16470), (334, 16578), (349, 16662), (412, 16911), (460, 16998), (474, 17022), (489, 17067), (530, 17178), (532, 17184), (605, 17316), (614, 17352), (622, 17373), (633, 17400), (655, 17457), (683, 17517), (719, 17631), (750, 17796), (757, 17814), (777, 17883), (803, 17940), (845, 18129), (857, 18195), (860, 18204), (872, 18264), (874, 18273), (880, 18309), (883, 18327), (889, 18360), (896, 18408),

Gene: Misomonster_29 Start: 16062, Stop: 19088, Start Num: 40

Candidate Starts for Misomonster_29:

(31, 16008), (Start: 40 @16062 has 81 MA's), (56, 16176), (66, 16242), (67, 16245), (73, 16254), (84, 16290), (94, 16341), (118, 16413), (139, 16485), (183, 16605), (185, 16608), (207, 16677), (219, 16722), (251, 16815), (257, 16824), (263, 16842), (272, 16869), (288, 16932), (292, 16944), (301, 16977), (305, 16995), (318, 17061), (320, 17064), (322, 17070), (327, 17085), (330, 17094), (332, 17106), (334, 17115), (347, 17193), (351, 17208), (375, 17325), (376, 17328), (383, 17355), (385, 17367), (397, 17421), (402, 17442), (419, 17508), (433, 17547), (472, 17640), (484, 17688), (499, 17733), (512, 17781), (522, 17823), (526, 17832), (540, 17862), (541, 17865), (548, 17877), (573, 17934), (577, 17940), (595, 17961), (596, 17964), (642, 18102), (648, 18114), (673, 18174), (699, 18231), (734, 18369), (738, 18390), (742, 18414), (750, 18459), (757, 18477), (771, 18525), (775, 18537), (797, 18579), (811, 18642), (832, 18699), (841, 18768), (848, 18804), (864, 18885), (889, 19020),

Gene: MissWhite_26 Start: 15738, Stop: 18245, Start Num: 103

Candidate Starts for MissWhite_26:

(Start: 103 @15738 has 89 MA's), (141, 15849), (168, 15915), (170, 15918), (252, 16095), (257, 16110), (260, 16119), (277, 16176), (292, 16230), (305, 16281), (320, 16350), (322, 16356), (327, 16371), (330, 16380), (332, 16392), (334, 16401), (353, 16506), (364, 16539), (375, 16611), (397, 16707), (402, 16728), (412, 16773), (419, 16794), (429, 16821), (470, 16920), (491, 17001), (499, 17019), (503, 17034), (508, 17061), (512, 17067), (526, 17118), (530, 17130), (534, 17139), (542, 17154), (558, 17184), (595, 17247), (596, 17250), (615, 17316), (633, 17358), (642, 17388), (648, 17400), (673, 17460), (674, 17463), (686, 17487), (699, 17517), (712, 17550), (725, 17607), (742, 17691), (788, 17787), (791, 17796), (835, 17892), (842, 17940), (847, 17970), (863, 18048),

Gene: Mkhuseleli_25 Start: 16421, Stop: 18892, Start Num: 106

Candidate Starts for Mkhuseleli_25:

(Start: 106 @16421 has 199 MA's), (119, 16460), (141, 16523), (Start: 151 @16553 has 22 MA's), (160, 16574), (174, 16595), (178, 16607), (186, 16625), (255, 16715), (308, 16913), (314, 16946), (332, 17012), (381, 17267), (385, 17288), (390, 17315), (467, 17474), (490, 17510), (542, 17603), (552, 17624), (583, 17681), (630, 17801), (639, 17837), (655, 17867), (666, 17903), (693, 17969), (700, 17990), (715, 18032), (734, 18131), (769, 18272), (778, 18293), (822, 18428), (839, 18524), (852, 18605), (872, 18716), (885, 18803), (892, 18842), (894, 18857),

Gene: Molly_25 Start: 16128, Stop: 18608, Start Num: 106

Candidate Starts for Molly_25:

(Start: 106 @16128 has 199 MA's), (119, 16167), (141, 16230), (Start: 151 @16260 has 22 MA's), (174, 16302), (278, 16509), (284, 16527), (308, 16617), (322, 16680), (330, 16704), (332, 16716), (341, 16767), (451, 17151), (518, 17253), (529, 17292), (542, 17307), (549, 17319), (559, 17343), (619, 17472), (655, 17571), (693, 17673), (700, 17694), (715, 17736), (734, 17835), (746, 17898), (772, 17988), (814, 18117), (823, 18150), (872, 18432), (882, 18498), (885, 18519), (892, 18558), (894, 18573),

Gene: Monet_26 Start: 17622, Stop: 20093, Start Num: 106

Candidate Starts for Monet_26:

(Start: 106 @17622 has 199 MA's), (119, 17661), (141, 17724), (Start: 151 @17754 has 22 MA's), (160, 17775), (174, 17796), (178, 17808), (186, 17826), (255, 17916), (308, 18114), (314, 18147), (332, 18213), (381, 18468), (385, 18489), (390, 18516), (402, 18555), (423, 18612), (440, 18642), (467, 18675), (490, 18711), (542, 18804), (552, 18825), (583, 18882), (630, 19002), (639, 19038), (655, 19068), (666, 19104), (693, 19170), (700, 19191), (715, 19233), (733, 19329), (734, 19332), (746, 19395), (769, 19473), (778, 19494), (839, 19725), (852, 19806), (872, 19917), (885, 20004), (892, 20043), (896, 20073),

Gene: MoneyMay_27 Start: 15978, Stop: 19004, Start Num: 40

Candidate Starts for MoneyMay_27:

(31, 15924), (Start: 40 @15978 has 81 MA's), (56, 16092), (66, 16158), (67, 16161), (73, 16170), (84, 16206), (94, 16257), (118, 16329), (139, 16401), (183, 16521), (185, 16524), (207, 16593), (219, 16638), (251, 16731), (257, 16740), (263, 16758), (272, 16785), (288, 16848), (292, 16860), (301, 16893), (305, 16911), (318, 16977), (320, 16980), (322, 16986), (327, 17001), (330, 17010), (332, 17022), (334, 17031), (347, 17109), (351, 17124), (375, 17241), (376, 17244), (383, 17271), (385, 17283), (397, 17337), (402, 17358), (419, 17424), (433, 17463), (472, 17556), (484, 17604), (499, 17649), (512, 17697), (522, 17739), (526, 17748), (540, 17778), (541, 17781), (548, 17793), (573, 17850), (577, 17856), (595, 17877), (596, 17880), (642, 18018), (648, 18030), (673, 18090), (699, 18147), (734, 18285), (738, 18306), (742, 18330), (750, 18375), (757, 18393), (771, 18441), (775, 18453), (797, 18495), (811, 18558), (832, 18615), (841, 18684), (848, 18720), (864, 18801), (889, 18936),

Gene: Moose_23 Start: 16363, Stop: 18834, Start Num: 106

Candidate Starts for Moose_23:

(Start: 106 @16363 has 199 MA's), (119, 16402), (141, 16465), (Start: 151 @16495 has 22 MA's), (160, 16516), (174, 16537), (178, 16549), (186, 16567), (255, 16657), (308, 16855), (314, 16888), (332, 16954), (381, 17209), (385, 17230), (390, 17257), (467, 17416), (490, 17452), (542, 17545), (552, 17566), (583, 17623), (630, 17743), (639, 17779), (655, 17809), (666, 17845), (693, 17911), (700, 17932), (734, 18073), (769, 18214), (778, 18235), (839, 18466), (852, 18547), (872, 18658), (878, 18700), (885, 18745), (892, 18784), (894, 18799),

Gene: Morpher26_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Morpher26_25:

(Start: 104 @15885 has 113 MA's), (214, 16200), (222, 16227), (239, 16275), (256, 16332), (284, 16437), (288, 16452), (292, 16464), (308, 16527), (334, 16635), (337, 16656), (341, 16677), (474, 17079), (487, 17121), (489, 17124), (530, 17235), (532, 17241), (605, 17373), (614, 17409), (633, 17457), (683, 17574), (719, 17688), (750, 17853), (757, 17871), (798, 17985), (803, 17997), (831, 18087), (844, 18180), (857, 18252), (860, 18261), (872, 18321), (874, 18330), (889, 18417), (896, 18465),

Gene: Morrow_25 Start: 15888, Stop: 18488, Start Num: 104

Candidate Starts for Morrow_25:

(Start: 104 @15888 has 113 MA's), (Start: 151 @16029 has 22 MA's), (Start: 162 @16047 has 10 MA's), (233, 16254), (245, 16293), (251, 16323), (284, 16440), (292, 16467), (308, 16530), (322, 16593), (334, 16638), (341, 16680), (357, 16764), (412, 16971), (446, 17031), (474, 17082), (489, 17127), (519, 17205), (530, 17238), (532, 17244), (614, 17412), (622, 17433), (632, 17457), (655, 17517), (657, 17523), (659, 17526), (683, 17577), (700, 17625), (719, 17691), (750, 17856), (757, 17874), (803, 18000), (856, 18252), (857, 18255), (860, 18264), (872, 18324), (889, 18420), (896, 18468),

Gene: MrGordo_24 Start: 16064, Stop: 18535, Start Num: 106

Candidate Starts for MrGordo_24:

(Start: 106 @16064 has 199 MA's), (119, 16103), (141, 16166), (Start: 151 @16196 has 22 MA's), (160, 16217), (174, 16238), (186, 16268), (236, 16292), (255, 16358), (308, 16556), (314, 16589), (332, 16655), (381, 16910), (385, 16931), (390, 16958), (467, 17117), (490, 17153), (542, 17246), (552, 17267), (559, 17282), (569, 17303), (571, 17306), (606, 17375), (616, 17411), (630, 17444), (639, 17480), (655, 17510), (666, 17546), (693, 17612), (700, 17633), (734, 17774), (769, 17915), (778, 17936), (822, 18071), (852, 18248), (872, 18359), (885, 18446), (892, 18485), (894, 18500),

Gene: Mryolo_23 Start: 16114, Stop: 18594, Start Num: 106

Candidate Starts for Mryolo_23:

(Start: 106 @16114 has 199 MA's), (119, 16153), (141, 16216), (Start: 151 @16246 has 22 MA's), (174, 16288), (278, 16495), (284, 16513), (308, 16603), (322, 16666), (330, 16690), (332, 16702), (341, 16753), (451, 17137), (518, 17239), (529, 17278), (549, 17305), (559, 17329), (619, 17458), (655, 17557), (693, 17659), (700, 17680), (705, 17692), (715, 17722), (734, 17821), (746, 17884), (814, 18103), (823, 18136), (852, 18307), (872, 18418), (878, 18460), (885, 18505), (892, 18544), (894, 18559),

Gene: MuchMore_29 Start: 15971, Stop: 18997, Start Num: 40

Candidate Starts for MuchMore_29:

(31, 15917), (Start: 40 @15971 has 81 MA's), (56, 16085), (66, 16151), (67, 16154), (73, 16163), (84, 16199), (94, 16250), (118, 16322), (139, 16394), (183, 16514), (185, 16517), (207, 16586), (219, 16631), (251, 16724), (257, 16733), (263, 16751), (272, 16778), (288, 16841), (292, 16853), (301, 16886), (305, 16904), (318, 16970), (320, 16973), (322, 16979), (327, 16994), (330, 17003), (332,

17015), (334, 17024), (351, 17117), (375, 17234), (376, 17237), (383, 17264), (385, 17276), (397, 17330), (402, 17351), (419, 17417), (429, 17444), (472, 17549), (484, 17597), (499, 17642), (512, 17690), (522, 17732), (526, 17741), (540, 17771), (541, 17774), (548, 17786), (573, 17843), (577, 17849), (595, 17870), (596, 17873), (642, 18011), (648, 18023), (673, 18083), (700, 18143), (712, 18173), (713, 18176), (715, 18185), (734, 18278), (750, 18368), (771, 18434), (775, 18446), (797, 18488), (811, 18551), (832, 18608), (841, 18677), (848, 18713), (864, 18794), (889, 18929),

Gene: Mulciber_26 Start: 17157, Stop: 19703, Start Num: 113

Candidate Starts for Mulciber_26:

(Start: 113 @17157 has 22 MA's), (Start: 120 @17175 has 2 MA's), (186, 17349), (194, 17358), (217, 17433), (245, 17487), (260, 17541), (264, 17556), (265, 17559), (272, 17577), (288, 17640), (292, 17652), (308, 17715), (322, 17778), (327, 17793), (330, 17802), (334, 17823), (338, 17847), (341, 17862), (359, 17949), (361, 17952), (366, 17967), (370, 17988), (372, 18000), (381, 18066), (396, 18138), (404, 18162), (436, 18243), (439, 18252), (443, 18264), (466, 18306), (497, 18363), (515, 18417), (560, 18525), (575, 18564), (628, 18705), (674, 18801), (681, 18822), (694, 18855), (711, 18888), (713, 18891), (733, 18975), (743, 19020), (744, 19023), (772, 19137), (783, 19170), (806, 19242), (816, 19278), (835, 19350), (847, 19428), (857, 19482), (863, 19506), (886, 19617),

Gene: Mule_24 Start: 16401, Stop: 18881, Start Num: 106

Candidate Starts for Mule_24:

(Start: 106 @16401 has 199 MA's), (119, 16440), (141, 16503), (Start: 151 @16533 has 22 MA's), (174, 16575), (278, 16782), (284, 16800), (308, 16890), (322, 16953), (330, 16977), (332, 16989), (341, 17040), (451, 17424), (518, 17526), (529, 17565), (549, 17592), (559, 17616), (619, 17745), (655, 17844), (693, 17946), (700, 17967), (715, 18009), (734, 18108), (746, 18171), (814, 18390), (823, 18423), (872, 18705), (885, 18792), (892, 18831), (894, 18846),

Gene: Munch_26 Start: 17163, Stop: 19709, Start Num: 113

Candidate Starts for Munch_26:

(Start: 113 @17163 has 22 MA's), (Start: 120 @17181 has 2 MA's), (186, 17355), (194, 17364), (217, 17439), (245, 17493), (260, 17547), (264, 17562), (265, 17565), (272, 17583), (288, 17646), (292, 17658), (308, 17721), (322, 17784), (327, 17799), (330, 17808), (334, 17829), (338, 17853), (341, 17868), (359, 17955), (361, 17958), (366, 17973), (370, 17994), (372, 18006), (381, 18072), (395, 18135), (396, 18144), (404, 18168), (436, 18249), (439, 18258), (443, 18270), (466, 18312), (497, 18369), (515, 18423), (560, 18531), (575, 18570), (628, 18711), (674, 18807), (681, 18828), (694, 18861), (711, 18894), (713, 18897), (733, 18981), (743, 19026), (744, 19029), (772, 19143), (783, 19176), (806, 19248), (816, 19284), (835, 19356), (847, 19434), (857, 19488), (863, 19512), (886, 19623),

Gene: Mundrea_25 Start: 15850, Stop: 18450, Start Num: 104

Candidate Starts for Mundrea_25:

(Start: 104 @15850 has 113 MA's), (222, 16192), (239, 16240), (256, 16297), (284, 16402), (288, 16417), (308, 16492), (334, 16600), (337, 16621), (341, 16642), (460, 17020), (470, 17032), (474, 17044), (489, 17089), (492, 17098), (530, 17200), (532, 17206), (545, 17227), (633, 17422), (647, 17461), (713, 17620), (717, 17641), (719, 17653), (722, 17671), (750, 17818), (757, 17836), (803, 17962), (831, 18052), (844, 18145), (857, 18217), (860, 18226), (872, 18286), (874, 18295), (880, 18331), (889, 18382), (896, 18430),

Gene: Museum_26 Start: 16420, Stop: 18891, Start Num: 106

Candidate Starts for Museum_26:

(Start: 106 @16420 has 199 MA's), (119, 16459), (141, 16522), (Start: 151 @16552 has 22 MA's), (160, 16573), (174, 16594), (178, 16606), (186, 16624), (236, 16648), (255, 16714), (308, 16912), (314, 16945), (332, 17011), (381, 17266), (385, 17287), (390, 17314), (467, 17473), (490, 17509), (542, 17602), (552, 17623), (583, 17680), (630, 17800), (639, 17836), (655, 17866), (666, 17902),

(693, 17968), (700, 17989), (734, 18130), (769, 18271), (778, 18292), (822, 18427), (852, 18604), (872, 18715), (882, 18781), (885, 18802), (892, 18841), (894, 18856),

Gene: MyraDee_23 Start: 14094, Stop: 16709, Start Num: 124

Candidate Starts for MyraDee_23:

(Start: 124 @14094 has 42 MA's), (140, 14151), (150, 14175), (188, 14274), (196, 14292), (222, 14394), (226, 14400), (239, 14445), (243, 14454), (282, 14592), (292, 14625), (308, 14688), (322, 14751), (327, 14766), (334, 14796), (336, 14811), (341, 14838), (359, 14925), (368, 14955), (377, 15018), (396, 15099), (402, 15114), (404, 15123), (407, 15141), (543, 15507), (553, 15528), (671, 15813), (674, 15825), (691, 15858), (734, 15963), (743, 16005), (761, 16080), (767, 16095), (770, 16104), (783, 16146), (810, 16245), (834, 16335), (849, 16434), (850, 16437), (853, 16458), (859, 16485), (876, 16581), (879, 16593), (884, 16608), (889, 16638),

Gene: Myxus_27 Start: 17590, Stop: 20499, Start Num: 54

Candidate Starts for Myxus_27:

(Start: 54 @17590 has 33 MA's), (56, 17602), (66, 17662), (110, 17821), (127, 17884), (148, 17947), (164, 17989), (185, 18046), (253, 18256), (257, 18262), (262, 18277), (287, 18367), (288, 18370), (292, 18382), (304, 18424), (314, 18478), (334, 18553), (337, 18574), (338, 18577), (341, 18595), (353, 18658), (371, 18724), (375, 18763), (382, 18790), (385, 18805), (391, 18835), (397, 18859), (400, 18871), (402, 18880), (419, 18946), (433, 18985), (455, 19051), (472, 19078), (479, 19105), (499, 19171), (511, 19216), (534, 19291), (558, 19336), (567, 19357), (577, 19378), (578, 19381), (595, 19399), (596, 19402), (606, 19429), (633, 19510), (648, 19552), (712, 19702), (716, 19717), (720, 19747), (731, 19798), (749, 19885), (751, 19894), (766, 19945), (797, 20008), (803, 20029), (810, 20065), (826, 20101), (827, 20107), (841, 20185), (846, 20212), (857, 20272), (872, 20341), (876, 20371), (882, 20398), (891, 20437), (897, 20479),

Gene: NEHalo_24 Start: 16149, Stop: 18629, Start Num: 106

Candidate Starts for NEHalo_24:

(Start: 106 @16149 has 199 MA's), (119, 16188), (141, 16251), (Start: 151 @16281 has 22 MA's), (174, 16323), (278, 16530), (284, 16548), (308, 16638), (322, 16701), (330, 16725), (332, 16737), (341, 16788), (451, 17172), (518, 17274), (529, 17313), (542, 17328), (549, 17340), (559, 17364), (619, 17493), (655, 17592), (693, 17694), (700, 17715), (715, 17757), (734, 17856), (746, 17919), (772, 18009), (814, 18138), (823, 18171), (872, 18453), (882, 18519), (885, 18540), (892, 18579), (894, 18594),

Gene: NaSiaTalie_26 Start: 16670, Stop: 19177, Start Num: 103

Candidate Starts for NaSiaTalie_26:

(Start: 103 @16670 has 89 MA's), (141, 16781), (165, 16838), (249, 17024), (272, 17087), (279, 17120), (281, 17126), (327, 17306), (330, 17315), (333, 17330), (334, 17336), (337, 17357), (338, 17360), (341, 17378), (352, 17438), (375, 17546), (385, 17588), (397, 17642), (402, 17663), (418, 17726), (419, 17729), (426, 17747), (433, 17768), (499, 17954), (503, 17969), (508, 17996), (526, 18053), (531, 18068), (534, 18074), (540, 18083), (542, 18089), (558, 18119), (567, 18140), (596, 18185), (597, 18191), (609, 18224), (615, 18251), (642, 18323), (648, 18335), (673, 18395), (686, 18422), (712, 18485), (720, 18530), (730, 18578), (739, 18614), (745, 18647), (782, 18710), (797, 18734), (843, 18878), (863, 18977), (879, 19064), (899, 19163),

Gene: Naca_22 Start: 15172, Stop: 18438, Start Num: 1

Candidate Starts for Naca_22:

(Start: 1 @15172 has 30 MA's), (14, 15409), (20, 15511), (22, 15520), (38, 15613), (44, 15640), (84, 15715), (122, 15850), (136, 15904), (154, 15958), (204, 16099), (210, 16123), (220, 16162), (243, 16225), (244, 16228), (262, 16288), (270, 16315), (288, 16381), (313, 16480), (322, 16519), (334, 16564), (338, 16588), (353, 16669), (404, 16891), (409, 16915), (425, 16963), (450, 17020), (452, 17026), (484, 17098), (514, 17167), (549, 17224), (559, 17242), (570, 17266), (609, 17338), (677,

17512), (683, 17524), (706, 17587), (726, 17674), (734, 17710), (739, 17731), (743, 17752), (770, 17851), (783, 17893), (792, 17914), (816, 18001), (825, 18031), (826, 18034), (839, 18094), (856, 18193), (860, 18205), (862, 18217), (864, 18226), (889, 18373),

Gene: Naira_25 Start: 17895, Stop: 20510, Start Num: 106

Candidate Starts for Naira_25:

(Start: 106 @17895 has 199 MA's), (119, 17934), (141, 17997), (143, 18003), (Start: 151 @18027 has 22 MA's), (243, 18135), (292, 18306), (307, 18366), (308, 18369), (335, 18492), (341, 18522), (353, 18585), (404, 18804), (430, 18876), (450, 18924), (475, 18969), (550, 19194), (555, 19203), (569, 19239), (586, 19281), (655, 19485), (695, 19599), (700, 19608), (708, 19629), (715, 19650), (734, 19749), (743, 19791), (744, 19794), (784, 19923), (810, 20007), (823, 20052), (872, 20334), (882, 20400), (885, 20421), (892, 20460), (894, 20475),

Gene: Naji_29 Start: 16508, Stop: 19021, Start Num: 103

Candidate Starts for Naji_29:

(Start: 103 @16508 has 89 MA's), (170, 16688), (171, 16691), (270, 16934), (272, 16937), (287, 16997), (292, 17012), (300, 17042), (301, 17045), (318, 17129), (327, 17153), (333, 17177), (337, 17204), (338, 17207), (363, 17318), (375, 17393), (382, 17420), (385, 17435), (397, 17489), (402, 17510), (419, 17576), (426, 17594), (429, 17603), (470, 17702), (479, 17735), (481, 17744), (499, 17801), (503, 17816), (534, 17921), (596, 18032), (600, 18044), (603, 18050), (612, 18083), (613, 18086), (657, 18203), (712, 18332), (716, 18347), (720, 18377), (725, 18389), (730, 18425), (759, 18539), (771, 18551), (799, 18593), (858, 18800), (862, 18818), (863, 18821), (899, 19007),

Gene: NearlyHeadless_22 Start: 14564, Stop: 17641, Start Num: 9

Candidate Starts for NearlyHeadless_22:

(Start: 9 @14564 has 11 MA's), (16, 14648), (37, 14816), (42, 14840), (76, 14888), (111, 15008), (130, 15080), (187, 15230), (189, 15233), (191, 15239), (245, 15425), (249, 15446), (262, 15485), (282, 15557), (290, 15584), (293, 15599), (307, 15650), (308, 15653), (322, 15719), (359, 15887), (404, 16094), (414, 16142), (423, 16163), (425, 16166), (486, 16310), (514, 16367), (531, 16397), (557, 16436), (593, 16508), (609, 16538), (640, 16637), (653, 16667), (677, 16712), (734, 16910), (739, 16931), (742, 16943), (760, 17024), (770, 17051), (783, 17093), (792, 17114), (799, 17138), (807, 17168), (816, 17201), (826, 17234), (839, 17294), (843, 17321), (863, 17420), (880, 17516), (883, 17537), (890, 17576), (900, 17624),

Gene: Nebs_25 Start: 15882, Stop: 18482, Start Num: 104

Candidate Starts for Nebs_25:

(Start: 104 @15882 has 113 MA's), (Start: 151 @16023 has 22 MA's), (Start: 162 @16041 has 10 MA's), (233, 16248), (245, 16287), (251, 16317), (284, 16434), (292, 16461), (308, 16524), (322, 16587), (334, 16632), (341, 16674), (357, 16758), (446, 17025), (474, 17076), (489, 17121), (519, 17199), (530, 17232), (532, 17238), (614, 17406), (622, 17427), (632, 17451), (655, 17511), (657, 17517), (659, 17520), (683, 17571), (700, 17619), (719, 17685), (750, 17850), (757, 17868), (803, 17994), (856, 18246), (857, 18249), (860, 18258), (872, 18318), (889, 18414), (896, 18462),

Gene: Nebulosus_28 Start: 15746, Stop: 18109, Start Num: 115

Candidate Starts for Nebulosus_28:

(Start: 115 @15746 has 1 MA's), (Start: 117 @15755 has 4 MA's), (Start: 182 @15923 has 15 MA's), (262, 16163), (263, 16169), (283, 16238), (299, 16295), (334, 16439), (341, 16481), (350, 16529), (351, 16532), (374, 16643), (377, 16661), (404, 16766), (417, 16814), (486, 16919), (515, 16979), (546, 17033), (564, 17069), (582, 17093), (591, 17102), (617, 17165), (627, 17186), (632, 17201), (639, 17225), (646, 17237), (677, 17291), (690, 17312), (701, 17342), (754, 17513), (760, 17534), (792, 17618), (864, 17921), (889, 18044), (891, 18056),

Gene: Nedarya_27 Start: 16578, Stop: 18761, Start Num: 182

Candidate Starts for Nedarya_27:

(Start: 115 @16404 has 1 MA's), (Start: 117 @16413 has 4 MA's), (132, 16467), (Start: 182 @16578 has 15 MA's), (249, 16782), (254, 16797), (262, 16821), (263, 16827), (288, 16914), (289, 16917), (299, 16953), (308, 16989), (314, 17022), (322, 17052), (327, 17067), (332, 17088), (338, 17121), (351, 17190), (374, 17301), (376, 17310), (411, 17442), (414, 17451), (486, 17565), (546, 17679), (617, 17811), (630, 17838), (632, 17847), (660, 17904), (690, 17958), (701, 17988), (724, 18033), (754, 18159), (889, 18693), (891, 18705),

Gene: Neeharika16_29 Start: 16728, Stop: 18932, Start Num: 124

Candidate Starts for Neeharika16_29:

(65, 16569), (98, 16683), (Start: 124 @16728 has 42 MA's), (166, 16839), (168, 16845), (206, 16953), (217, 16995), (239, 17061), (267, 17154), (276, 17181), (308, 17304), (314, 17337), (336, 17427), (349, 17496), (404, 17739), (495, 17877), (599, 17997), (701, 18150), (734, 18213), (743, 18255), (770, 18354), (776, 18375), (783, 18396), (792, 18417), (806, 18468), (808, 18480), (813, 18495), (835, 18576), (847, 18654),

Gene: Nemo27_25 Start: 16025, Stop: 18484, Start Num: 151

Candidate Starts for Nemo27_25:

(Start: 104 @15884 has 113 MA's), (Start: 151 @16025 has 22 MA's), (Start: 162 @16043 has 10 MA's), (233, 16250), (245, 16289), (251, 16319), (284, 16436), (292, 16463), (308, 16526), (322, 16589), (334, 16634), (341, 16676), (357, 16760), (446, 17027), (474, 17078), (489, 17123), (519, 17201), (530, 17234), (532, 17240), (545, 17261), (614, 17408), (622, 17429), (632, 17453), (657, 17519), (683, 17573), (700, 17621), (719, 17687), (750, 17852), (757, 17870), (803, 17996), (856, 18248), (857, 18251), (860, 18260), (872, 18320), (889, 18416), (896, 18464),

Gene: Nerujay_25 Start: 16817, Stop: 19297, Start Num: 106

Candidate Starts for Nerujay_25:

(Start: 106 @16817 has 199 MA's), (119, 16856), (141, 16919), (Start: 151 @16949 has 22 MA's), (174, 16991), (278, 17198), (284, 17216), (308, 17306), (322, 17369), (330, 17393), (332, 17405), (341, 17456), (451, 17840), (518, 17942), (529, 17981), (549, 18008), (559, 18032), (619, 18161), (655, 18260), (693, 18362), (700, 18383), (705, 18395), (715, 18425), (734, 18524), (746, 18587), (814, 18806), (823, 18839), (872, 19121), (885, 19208), (892, 19247), (894, 19262),

Gene: Newrala_29 Start: 16728, Stop: 18932, Start Num: 124

Candidate Starts for Newrala_29:

(65, 16569), (98, 16683), (Start: 124 @16728 has 42 MA's), (166, 16839), (168, 16845), (206, 16953), (217, 16995), (239, 17061), (267, 17154), (276, 17181), (308, 17304), (314, 17337), (336, 17427), (349, 17496), (404, 17739), (495, 17877), (599, 17997), (701, 18150), (734, 18213), (743, 18255), (770, 18354), (776, 18375), (783, 18396), (792, 18417), (806, 18468), (808, 18480), (813, 18495), (835, 18576), (847, 18654),

Gene: Nhonho_24 Start: 16571, Stop: 19048, Start Num: 106

Candidate Starts for Nhonho_24:

(Start: 106 @16571 has 199 MA's), (119, 16610), (131, 16655), (141, 16673), (143, 16679), (Start: 151 @16703 has 22 MA's), (278, 16949), (284, 16967), (308, 17057), (322, 17120), (330, 17144), (332, 17156), (341, 17207), (363, 17300), (518, 17693), (529, 17732), (542, 17747), (549, 17759), (559, 17783), (595, 17858), (619, 17912), (655, 18011), (693, 18113), (700, 18134), (705, 18146), (715, 18176), (734, 18275), (746, 18338), (772, 18428), (814, 18557), (823, 18590), (872, 18872), (885, 18959), (892, 18998), (896, 19028),

Gene: NicoleTera_30 Start: 18435, Stop: 20942, Start Num: 103

Candidate Starts for NicoleTera_30:

(Start: 103 @18435 has 89 MA's), (141, 18546), (147, 18564), (165, 18603), (173, 18624), (Start: 182 @18648 has 15 MA's), (249, 18777), (259, 18801), (269, 18831), (292, 18915), (305, 18966), (316, 19023), (320, 19035), (322, 19041), (327, 19056), (330, 19065), (332, 19077), (334, 19086), (375, 19296), (382, 19323), (385, 19338), (397, 19392), (402, 19413), (419, 19479), (433, 19518), (454, 19581), (484, 19659), (499, 19704), (526, 19803), (531, 19818), (534, 19824), (540, 19833), (548, 19848), (558, 19869), (567, 19890), (568, 19893), (595, 19932), (600, 19947), (609, 19974), (615, 20001), (630, 20031), (633, 20043), (648, 20085), (673, 20145), (686, 20172), (712, 20235), (725, 20292), (730, 20328), (745, 20397), (756, 20430), (799, 20499), (802, 20508), (806, 20517), (842, 20628), (847, 20658), (863, 20742),

Gene: Niza_26 Start: 17422, Stop: 19890, Start Num: 106

Candidate Starts for Niza_26:

(Start: 106 @17422 has 199 MA's), (112, 17437), (Start: 151 @17551 has 22 MA's), (160, 17572), (174, 17593), (186, 17623), (236, 17647), (243, 17668), (255, 17713), (264, 17740), (308, 17911), (314, 17944), (332, 18010), (381, 18265), (385, 18286), (390, 18313), (467, 18472), (490, 18508), (542, 18601), (552, 18622), (583, 18679), (630, 18799), (639, 18835), (655, 18865), (666, 18901), (693, 18967), (700, 18988), (734, 19129), (769, 19270), (778, 19291), (822, 19426), (852, 19603), (872, 19714), (885, 19801), (892, 19840), (894, 19855),

Gene: Noella_26 Start: 16044, Stop: 19082, Start Num: 39

Candidate Starts for Noella_26:

(Start: 39 @16044 has 32 MA's), (64, 16218), (67, 16230), (78, 16263), (139, 16470), (147, 16491), (183, 16590), (185, 16593), (251, 16803), (261, 16824), (272, 16857), (288, 16920), (292, 16932), (301, 16965), (305, 16983), (309, 17004), (320, 17052), (322, 17058), (327, 17073), (330, 17082), (332, 17094), (334, 17103), (351, 17196), (375, 17313), (376, 17316), (383, 17343), (385, 17355), (397, 17409), (402, 17430), (419, 17496), (433, 17535), (484, 17676), (499, 17721), (522, 17811), (526, 17820), (540, 17850), (567, 17907), (573, 17922), (595, 17949), (596, 17952), (603, 17970), (638, 18081), (673, 18162), (699, 18219), (714, 18261), (734, 18357), (738, 18378), (742, 18402), (750, 18447), (757, 18465), (771, 18513), (775, 18525), (797, 18567), (800, 18579), (810, 18627), (848, 18798), (860, 18858), (862, 18870), (869, 18897), (872, 18918), (889, 19014), (896, 19062),

Gene: Noelle_25 Start: 15938, Stop: 18538, Start Num: 104

Candidate Starts for Noelle_25:

(Start: 104 @15938 has 113 MA's), (239, 16328), (276, 16457), (284, 16490), (288, 16505), (292, 16517), (308, 16580), (334, 16688), (344, 16739), (362, 16823), (460, 17108), (470, 17120), (474, 17132), (489, 17177), (519, 17255), (530, 17288), (532, 17294), (605, 17426), (614, 17462), (633, 17510), (683, 17627), (700, 17675), (713, 17708), (719, 17741), (722, 17759), (750, 17906), (757, 17924), (803, 18050), (831, 18140), (857, 18305), (860, 18314), (872, 18374), (874, 18383), (880, 18419), (883, 18437), (889, 18470), (896, 18518),

Gene: Norbert_25 Start: 16043, Stop: 19081, Start Num: 39

Candidate Starts for Norbert_25:

(Start: 39 @16043 has 32 MA's), (64, 16217), (67, 16229), (78, 16262), (139, 16469), (147, 16490), (183, 16589), (185, 16592), (251, 16802), (261, 16823), (272, 16856), (288, 16919), (292, 16931), (301, 16964), (305, 16982), (309, 17003), (320, 17051), (322, 17057), (327, 17072), (330, 17081), (332, 17093), (334, 17102), (351, 17195), (375, 17312), (376, 17315), (383, 17342), (385, 17354), (397, 17408), (402, 17429), (419, 17495), (433, 17534), (484, 17675), (499, 17720), (522, 17810), (526, 17819), (540, 17849), (567, 17906), (573, 17921), (595, 17948), (596, 17951), (603, 17969), (638, 18080), (673, 18161), (699, 18218), (714, 18260), (734, 18356), (738, 18377), (742, 18401), (750, 18446), (757, 18464), (771, 18512), (775, 18524), (797, 18566), (800, 18578), (810, 18626), (848, 18797), (860, 18857), (862, 18869), (869, 18896), (872, 18917), (889, 19013), (896, 19061),

Gene: NorthStar_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for NorthStar_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (655, 17514), (657, 17520), (659, 17523), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Norz_26 Start: 17066, Stop: 19726, Start Num: 106

Candidate Starts for Norz_26:

(Start: 106 @17066 has 199 MA's), (119, 17105), (141, 17168), (143, 17174), (Start: 151 @17198 has 22 MA's), (174, 17240), (288, 17474), (308, 17549), (322, 17612), (334, 17657), (339, 17681), (353, 17756), (356, 17768), (440, 18089), (555, 18419), (576, 18470), (586, 18497), (655, 18701), (700, 18824), (708, 18845), (715, 18866), (734, 18965), (743, 19007), (784, 19139), (810, 19223), (823, 19268), (872, 19550), (882, 19616), (885, 19637), (892, 19676), (894, 19691),

Gene: NotAPhaseMom_25 Start: 16030, Stop: 18489, Start Num: 151

Candidate Starts for NotAPhaseMom_25:

(Start: 104 @15889 has 113 MA's), (Start: 151 @16030 has 22 MA's), (Start: 162 @16048 has 10 MA's), (233, 16255), (245, 16294), (251, 16324), (284, 16441), (292, 16468), (308, 16531), (322, 16594), (334, 16639), (341, 16681), (357, 16765), (446, 17032), (474, 17083), (489, 17128), (519, 17206), (530, 17239), (532, 17245), (545, 17266), (614, 17413), (622, 17434), (632, 17458), (657, 17524), (683, 17578), (700, 17626), (719, 17692), (750, 17857), (757, 17875), (803, 18001), (856, 18253), (857, 18256), (860, 18265), (872, 18325), (889, 18421), (896, 18469),

Gene: NothingSpecial_28 Start: 18636, Stop: 21167, Start Num: 103

Candidate Starts for NothingSpecial_28:

(Start: 103 @18636 has 89 MA's), (170, 18816), (171, 18819), (238, 18987), (249, 19014), (257, 19029), (268, 19062), (272, 19074), (287, 19134), (292, 19149), (314, 19245), (315, 19248), (334, 19320), (337, 19341), (338, 19344), (369, 19485), (375, 19530), (382, 19557), (385, 19572), (397, 19626), (402, 19647), (419, 19713), (433, 19752), (501, 19947), (505, 19965), (511, 19983), (558, 20103), (566, 20118), (577, 20145), (578, 20148), (596, 20169), (700, 20439), (702, 20442), (712, 20469), (716, 20484), (720, 20514), (730, 20562), (742, 20610), (756, 20664), (806, 20748), (826, 20772), (847, 20889), (863, 20967),

Gene: Nyxis_25 Start: 15969, Stop: 18428, Start Num: 151

Candidate Starts for Nyxis_25:

(Start: 104 @15828 has 113 MA's), (Start: 151 @15969 has 22 MA's), (Start: 162 @15987 has 10 MA's), (233, 16194), (245, 16233), (251, 16263), (284, 16380), (292, 16407), (308, 16470), (322, 16533), (334, 16578), (341, 16620), (357, 16704), (446, 16971), (474, 17022), (489, 17067), (519, 17145), (532, 17184), (545, 17205), (614, 17352), (622, 17373), (632, 17397), (655, 17457), (657, 17463), (659, 17466), (683, 17517), (700, 17565), (719, 17631), (750, 17796), (757, 17814), (803, 17940), (856, 18192), (857, 18195), (860, 18204), (872, 18264), (889, 18360), (896, 18408),

Gene: OKCentral2016_25 Start: 15565, Stop: 18123, Start Num: 162

Candidate Starts for OKCentral2016_25:

(52, 15157), (Start: 101 @15388 has 8 MA's), (Start: 162 @15565 has 10 MA's), (169, 15586), (178, 15610), (181, 15616), (190, 15640), (193, 15643), (196, 15652), (207, 15691), (211, 15700), (213, 15706), (218, 15730), (236, 15775), (248, 15817), (258, 15850), (261, 15859), (274, 15913), (288, 15967), (291, 15976), (295, 16000), (302, 16021), (323, 16126), (332, 16168), (393, 16480), (394, 16483), (396, 16495), (482, 16696), (517, 16816), (530, 16861), (531, 16864), (532, 16867), (545, 16888), (547, 16891), (566, 16936), (614, 17044), (622, 17065), (644, 17125), (659, 17158), (689, 17221), (715, 17299), (719, 17323), (734, 17398), (745, 17464), (750, 17488), (757, 17506), (765,

17542), (776, 17572), (793, 17614), (798, 17626), (803, 17638), (812, 17674), (818, 17686), (860, 17899), (862, 17911), (868, 17935), (872, 17959), (889, 18055), (896, 18103),

Gene: OKaNui_26 Start: 15938, Stop: 18538, Start Num: 104

Candidate Starts for OKaNui_26:

(Start: 104 @15938 has 113 MA's), (Start: 151 @16079 has 22 MA's), (Start: 162 @16097 has 10 MA's), (233, 16304), (245, 16343), (251, 16373), (284, 16490), (292, 16517), (308, 16580), (322, 16643), (334, 16688), (341, 16730), (357, 16814), (446, 17081), (474, 17132), (489, 17177), (519, 17255), (532, 17294), (614, 17462), (622, 17483), (632, 17507), (657, 17573), (683, 17627), (700, 17675), (719, 17741), (750, 17906), (757, 17924), (803, 18050), (856, 18302), (857, 18305), (860, 18314), (872, 18374), (889, 18470), (896, 18518),

Gene: Obama12_26 Start: 16339, Stop: 18798, Start Num: 151

Candidate Starts for Obama12_26:

(Start: 104 @16198 has 113 MA's), (Start: 151 @16339 has 22 MA's), (Start: 162 @16357 has 10 MA's), (214, 16513), (233, 16564), (251, 16633), (284, 16750), (292, 16777), (308, 16840), (322, 16903), (334, 16948), (341, 16990), (357, 17074), (412, 17281), (446, 17341), (474, 17392), (489, 17437), (519, 17515), (530, 17548), (532, 17554), (614, 17722), (622, 17743), (632, 17767), (655, 17827), (657, 17833), (659, 17836), (683, 17887), (700, 17935), (719, 18001), (750, 18166), (757, 18184), (803, 18310), (856, 18562), (857, 18565), (860, 18574), (871, 18631), (872, 18634), (880, 18679), (889, 18730), (896, 18778),

Gene: Odin_25 Start: 15403, Stop: 17928, Start Num: 99

Candidate Starts for Odin_25:

(Start: 99 @15403 has 1 MA's), (105, 15421), (141, 15526), (168, 15592), (170, 15595), (171, 15598), (257, 15802), (272, 15847), (292, 15922), (304, 15964), (305, 15973), (314, 16018), (318, 16039), (330, 16072), (334, 16093), (337, 16114), (338, 16117), (375, 16303), (382, 16330), (385, 16345), (397, 16399), (402, 16420), (419, 16486), (503, 16726), (508, 16753), (526, 16810), (534, 16831), (549, 16858), (558, 16876), (595, 16939), (596, 16942), (609, 16981), (642, 17080), (673, 17152), (686, 17179), (699, 17209), (712, 17242), (742, 17383), (759, 17449), (802, 17512), (858, 17710), (863, 17731), (876, 17806), (886, 17842),

Gene: Ohfah_25 Start: 15882, Stop: 18482, Start Num: 104

Candidate Starts for Ohfah_25:

(Start: 104 @15882 has 113 MA's), (Start: 151 @16023 has 22 MA's), (Start: 162 @16041 has 10 MA's), (233, 16248), (245, 16287), (251, 16317), (284, 16434), (292, 16461), (308, 16524), (322, 16587), (334, 16632), (341, 16674), (357, 16758), (446, 17025), (474, 17076), (489, 17121), (519, 17199), (530, 17232), (532, 17238), (545, 17259), (614, 17406), (622, 17427), (632, 17451), (655, 17511), (657, 17517), (659, 17520), (683, 17571), (700, 17619), (719, 17685), (750, 17850), (757, 17868), (803, 17994), (856, 18246), (857, 18249), (860, 18258), (872, 18318), (880, 18363), (889, 18414), (896, 18462),

Gene: Ohno789_24 Start: 16219, Stop: 18690, Start Num: 106

Candidate Starts for Ohno789_24:

(Start: 106 @16219 has 199 MA's), (119, 16258), (141, 16321), (Start: 151 @16351 has 22 MA's), (160, 16372), (174, 16393), (178, 16405), (186, 16423), (255, 16513), (308, 16711), (314, 16744), (332, 16810), (381, 17065), (385, 17086), (390, 17113), (467, 17272), (490, 17308), (542, 17401), (552, 17422), (583, 17479), (630, 17599), (639, 17635), (655, 17665), (666, 17701), (693, 17767), (700, 17788), (734, 17929), (769, 18070), (778, 18091), (822, 18226), (852, 18403), (872, 18514), (885, 18601), (892, 18640), (894, 18655),

Gene: OlanP_27 Start: 16237, Stop: 19263, Start Num: 40

Candidate Starts for OlanP_27:

(31, 16183), (Start: 40 @16237 has 81 MA's), (56, 16351), (66, 16417), (67, 16420), (73, 16429), (84, 16465), (94, 16516), (118, 16588), (139, 16660), (183, 16780), (185, 16783), (207, 16852), (219, 16897), (251, 16990), (257, 16999), (272, 17044), (281, 17083), (288, 17107), (292, 17119), (301, 17152), (305, 17170), (309, 17191), (320, 17239), (322, 17245), (327, 17260), (330, 17269), (332, 17281), (334, 17290), (351, 17383), (372, 17470), (375, 17500), (376, 17503), (383, 17530), (385, 17542), (397, 17596), (402, 17617), (408, 17647), (419, 17683), (436, 17734), (470, 17809), (484, 17863), (499, 17908), (512, 17956), (522, 17998), (526, 18007), (540, 18037), (573, 18109), (577, 18115), (595, 18136), (596, 18139), (600, 18151), (637, 18265), (638, 18268), (673, 18349), (700, 18409), (712, 18439), (713, 18442), (715, 18451), (750, 18634), (771, 18700), (775, 18712), (797, 18754), (811, 18817), (832, 18874), (841, 18943), (848, 18979), (864, 19060), (889, 19195), (891, 19207),

Gene: Ollie_27 Start: 15849, Stop: 18875, Start Num: 40

Candidate Starts for Ollie_27:

(31, 15795), (Start: 40 @15849 has 81 MA's), (56, 15963), (66, 16029), (67, 16032), (73, 16041), (84, 16077), (94, 16128), (118, 16200), (139, 16272), (183, 16392), (185, 16395), (207, 16464), (219, 16509), (251, 16602), (257, 16611), (263, 16629), (272, 16656), (288, 16719), (292, 16731), (301, 16764), (305, 16782), (318, 16848), (320, 16851), (322, 16857), (327, 16872), (330, 16881), (332, 16893), (334, 16902), (347, 16980), (351, 16995), (375, 17112), (376, 17115), (383, 17142), (385, 17154), (397, 17208), (402, 17229), (419, 17295), (433, 17334), (472, 17427), (484, 17475), (499, 17520), (512, 17568), (522, 17610), (526, 17619), (540, 17649), (541, 17652), (548, 17664), (566, 17700), (573, 17721), (577, 17727), (595, 17748), (596, 17751), (642, 17889), (648, 17901), (673, 17961), (692, 18000), (734, 18156), (738, 18177), (742, 18201), (750, 18246), (757, 18264), (771, 18312), (775, 18324), (797, 18366), (811, 18429), (832, 18486), (841, 18555), (848, 18591), (864, 18672), (889, 18807),

Gene: Onglai_26 Start: 15924, Stop: 18833, Start Num: 54

Candidate Starts for Onglai_26:

(Start: 54 @15924 has 33 MA's), (56, 15936), (66, 15996), (110, 16155), (127, 16218), (148, 16281), (164, 16323), (185, 16380), (199, 16419), (253, 16590), (257, 16596), (262, 16611), (287, 16701), (288, 16704), (292, 16716), (304, 16758), (314, 16812), (334, 16887), (337, 16908), (338, 16911), (341, 16929), (353, 16992), (371, 17058), (375, 17097), (382, 17124), (385, 17139), (391, 17169), (397, 17193), (402, 17214), (419, 17280), (433, 17319), (455, 17385), (472, 17412), (479, 17439), (499, 17505), (511, 17550), (534, 17625), (558, 17670), (567, 17691), (577, 17712), (578, 17715), (595, 17733), (596, 17736), (606, 17763), (633, 17844), (712, 18036), (716, 18051), (720, 18081), (731, 18132), (749, 18219), (751, 18228), (766, 18279), (797, 18342), (803, 18363), (810, 18399), (826, 18435), (827, 18441), (841, 18519), (846, 18546), (857, 18606), (872, 18675), (876, 18705), (882, 18732), (891, 18771), (897, 18813),

Gene: Oofda_29 Start: 15894, Stop: 18083, Start Num: 182

Candidate Starts for Oofda_29:

(Start: 115 @15717 has 1 MA's), (Start: 117 @15726 has 4 MA's), (Start: 182 @15894 has 15 MA's), (262, 16137), (263, 16143), (283, 16212), (299, 16269), (334, 16413), (341, 16455), (350, 16503), (351, 16506), (374, 16617), (377, 16635), (404, 16740), (417, 16788), (486, 16893), (515, 16953), (546, 17007), (564, 17043), (582, 17067), (591, 17076), (617, 17139), (627, 17160), (632, 17175), (639, 17199), (646, 17211), (677, 17265), (690, 17286), (701, 17316), (754, 17487), (760, 17508), (792, 17592), (864, 17895), (889, 18018), (891, 18030),

Gene: Oogway_23 Start: 16332, Stop: 18812, Start Num: 106

Candidate Starts for Oogway_23:

(Start: 106 @16332 has 199 MA's), (119, 16371), (141, 16434), (Start: 151 @16464 has 22 MA's), (174, 16506), (278, 16713), (284, 16731), (308, 16821), (322, 16884), (330, 16908), (332, 16920), (341, 16971), (451, 17355), (518, 17457), (529, 17496), (549, 17523), (559, 17547), (655, 17775),

(693, 17877), (700, 17898), (715, 17940), (734, 18039), (746, 18102), (814, 18321), (823, 18354), (872, 18636), (885, 18723), (892, 18762),

Gene: Orange_26 Start: 17163, Stop: 19709, Start Num: 113

Candidate Starts for Orange_26:

(Start: 113 @17163 has 22 MA's), (Start: 120 @17181 has 2 MA's), (186, 17355), (194, 17364), (217, 17439), (245, 17493), (260, 17547), (264, 17562), (265, 17565), (272, 17583), (288, 17646), (292, 17658), (308, 17721), (322, 17784), (327, 17799), (330, 17808), (334, 17829), (338, 17853), (341, 17868), (359, 17955), (361, 17958), (366, 17973), (370, 17994), (372, 18006), (381, 18072), (396, 18144), (404, 18168), (436, 18249), (439, 18258), (443, 18270), (466, 18312), (497, 18369), (515, 18423), (560, 18531), (575, 18570), (628, 18711), (674, 18807), (681, 18828), (694, 18861), (711, 18894), (713, 18897), (733, 18981), (743, 19026), (744, 19029), (772, 19143), (783, 19176), (806, 19248), (816, 19284), (835, 19356), (847, 19434), (857, 19488), (863, 19512), (886, 19623),

Gene: P28Green_27 Start: 15980, Stop: 19006, Start Num: 40

Candidate Starts for P28Green_27:

(31, 15926), (Start: 40 @15980 has 81 MA's), (56, 16094), (66, 16160), (67, 16163), (73, 16172), (84, 16208), (94, 16259), (118, 16331), (139, 16403), (183, 16523), (185, 16526), (207, 16595), (219, 16640), (251, 16733), (257, 16742), (263, 16760), (272, 16787), (288, 16850), (292, 16862), (301, 16895), (305, 16913), (318, 16979), (320, 16982), (322, 16988), (327, 17003), (330, 17012), (332, 17024), (334, 17033), (351, 17126), (375, 17243), (376, 17246), (383, 17273), (385, 17285), (397, 17339), (402, 17360), (419, 17426), (429, 17453), (433, 17465), (472, 17558), (484, 17606), (499, 17651), (512, 17699), (522, 17741), (526, 17750), (540, 17780), (541, 17783), (548, 17795), (573, 17852), (577, 17858), (595, 17879), (596, 17882), (642, 18020), (673, 18092), (700, 18152), (712, 18182), (713, 18185), (715, 18194), (750, 18377), (771, 18443), (775, 18455), (797, 18497), (811, 18560), (832, 18617), (841, 18686), (848, 18722), (864, 18803), (889, 18938), (891, 18950),

Gene: PGHhamlin_29 Start: 15971, Stop: 18997, Start Num: 40

Candidate Starts for PGHhamlin_29:

(31, 15917), (Start: 40 @15971 has 81 MA's), (56, 16085), (66, 16151), (67, 16154), (73, 16163), (84, 16199), (94, 16250), (118, 16322), (139, 16394), (183, 16514), (185, 16517), (207, 16586), (219, 16631), (251, 16724), (257, 16733), (263, 16751), (272, 16778), (288, 16841), (292, 16853), (301, 16886), (305, 16904), (318, 16970), (320, 16973), (322, 16979), (327, 16994), (330, 17003), (332, 17015), (334, 17024), (351, 17117), (375, 17234), (376, 17237), (383, 17264), (385, 17276), (397, 17330), (402, 17351), (419, 17417), (429, 17444), (472, 17549), (484, 17597), (499, 17642), (512, 17690), (522, 17732), (526, 17741), (540, 17771), (541, 17774), (548, 17786), (573, 17843), (577, 17849), (595, 17870), (596, 17873), (642, 18011), (648, 18023), (673, 18083), (700, 18143), (712, 18173), (713, 18176), (715, 18185), (734, 18278), (750, 18368), (771, 18434), (775, 18446), (797, 18488), (811, 18551), (832, 18608), (841, 18677), (848, 18713), (864, 18794), (889, 18929),

Gene: PP_35 Start: 21773, Stop: 24784, Start Num: 33

Candidate Starts for PP_35:

(Start: 33 @21773 has 1 MA's), (50, 21896), (51, 21902), (70, 22010), (71, 22013), (74, 22022), (76, 22034), (96, 22115), (128, 22229), (137, 22253), (167, 22325), (176, 22346), (177, 22355), (180, 22361), (235, 22526), (239, 22547), (256, 22604), (269, 22643), (275, 22673), (278, 22691), (283, 22706), (284, 22709), (288, 22724), (293, 22745), (308, 22799), (322, 22862), (332, 22898), (334, 22907), (337, 22928), (341, 22949), (379, 23138), (403, 23216), (415, 23249), (441, 23297), (473, 23348), (474, 23351), (489, 23396), (563, 23567), (597, 23615), (612, 23660), (632, 23714), (637, 23735), (651, 23768), (683, 23834), (689, 23846), (704, 23891), (715, 23924), (718, 23945), (719, 23948), (739, 24056), (749, 24110), (750, 24113), (757, 24131), (768, 24188), (779, 24218), (804, 24293), (809, 24314), (822, 24353), (833, 24407), (842, 24467), (848, 24500), (861, 24563), (862, 24572), (879, 24662), (882, 24677), (891, 24728),

Gene: PSullivan_26 Start: 16832, Stop: 19303, Start Num: 106

Candidate Starts for PSullivan_26:

(Start: 106 @16832 has 199 MA's), (119, 16871), (141, 16934), (Start: 151 @16964 has 22 MA's), (160, 16985), (174, 17006), (178, 17018), (186, 17036), (255, 17126), (308, 17324), (314, 17357), (332, 17423), (381, 17678), (385, 17699), (390, 17726), (467, 17885), (490, 17921), (542, 18014), (552, 18035), (583, 18092), (630, 18212), (639, 18248), (655, 18278), (666, 18314), (693, 18380), (700, 18401), (734, 18542), (769, 18683), (778, 18704), (822, 18839), (852, 19016), (872, 19127), (882, 19193), (885, 19214), (892, 19253), (894, 19268),

Gene: PacerPaul_24 Start: 16642, Stop: 19113, Start Num: 106

Candidate Starts for PacerPaul_24:

(Start: 106 @16642 has 199 MA's), (119, 16681), (141, 16744), (Start: 151 @16774 has 22 MA's), (160, 16795), (174, 16816), (186, 16846), (236, 16870), (255, 16936), (308, 17134), (314, 17167), (332, 17233), (381, 17488), (385, 17509), (390, 17536), (467, 17695), (490, 17731), (542, 17824), (552, 17845), (559, 17860), (569, 17881), (571, 17884), (606, 17953), (616, 17989), (630, 18022), (639, 18058), (655, 18088), (666, 18124), (693, 18190), (700, 18211), (734, 18352), (769, 18493), (778, 18514), (822, 18649), (852, 18826), (872, 18937), (882, 19003), (885, 19024), (892, 19063), (894, 19078),

Gene: PackMan_27 Start: 17590, Stop: 20499, Start Num: 54

Candidate Starts for PackMan_27:

(Start: 54 @17590 has 33 MA's), (56, 17602), (66, 17662), (110, 17821), (127, 17884), (148, 17947), (164, 17989), (185, 18046), (253, 18256), (257, 18262), (262, 18277), (287, 18367), (288, 18370), (292, 18382), (304, 18424), (314, 18478), (334, 18553), (337, 18574), (338, 18577), (341, 18595), (353, 18658), (371, 18724), (375, 18763), (382, 18790), (385, 18805), (391, 18835), (397, 18859), (400, 18871), (402, 18880), (419, 18946), (433, 18985), (455, 19051), (472, 19078), (479, 19105), (499, 19171), (511, 19216), (534, 19291), (558, 19336), (567, 19357), (577, 19378), (578, 19381), (595, 19399), (596, 19402), (606, 19429), (633, 19510), (648, 19552), (712, 19702), (716, 19717), (720, 19747), (731, 19798), (749, 19885), (751, 19894), (766, 19945), (797, 20008), (803, 20029), (810, 20065), (826, 20101), (827, 20107), (841, 20185), (846, 20212), (857, 20272), (872, 20341), (876, 20371), (882, 20398), (891, 20437), (897, 20479),

Gene: PainterBoy_27 Start: 16773, Stop: 19835, Start Num: 5

Candidate Starts for PainterBoy_27:

(Start: 5 @16773 has 3 MA's), (18, 16947), (Start: 35 @17064 has 1 MA's), (63, 17241), (Start: 108 @17397 has 1 MA's), (114, 17403), (154, 17505), (193, 17601), (220, 17709), (222, 17715), (263, 17829), (282, 17895), (290, 17922), (308, 17991), (314, 18024), (315, 18027), (335, 18114), (336, 18117), (351, 18195), (367, 18255), (376, 18315), (469, 18549), (494, 18579), (495, 18582), (572, 18735), (652, 18912), (658, 18924), (734, 19119), (739, 19140), (760, 19233), (770, 19260), (776, 19281), (783, 19302), (844, 19542), (847, 19560), (858, 19617), (880, 19728),

Gene: Palestino_24 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Palestino_24:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (597, 17355), (614, 17409), (632, 17454), (655, 17514), (668, 17532), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Panamaxus_25 Start: 16043, Stop: 19081, Start Num: 39

Candidate Starts for Panamaxus_25:

(Start: 39 @16043 has 32 MA's), (64, 16217), (67, 16229), (78, 16262), (139, 16469), (147, 16490), (183, 16589), (185, 16592), (251, 16802), (261, 16823), (272, 16856), (288, 16919), (292, 16931), (301, 16964), (305, 16982), (309, 17003), (320, 17051), (322, 17057), (327, 17072), (330, 17081), (332, 17093), (334, 17102), (351, 17195), (375, 17312), (376, 17315), (383, 17342), (385, 17354), (397, 17408), (402, 17429), (419, 17495), (433, 17534), (484, 17675), (499, 17720), (522, 17810), (526, 17819), (540, 17849), (567, 17906), (573, 17921), (595, 17948), (596, 17951), (603, 17969), (638, 18080), (673, 18161), (699, 18218), (714, 18260), (734, 18356), (738, 18377), (742, 18401), (750, 18446), (757, 18464), (771, 18512), (775, 18524), (797, 18566), (800, 18578), (810, 18626), (848, 18797), (860, 18857), (862, 18869), (869, 18896), (872, 18917), (889, 19013), (896, 19061),

Gene: Papez_26 Start: 18048, Stop: 20528, Start Num: 106

Candidate Starts for Papez_26:

(Start: 106 @18048 has 199 MA's), (119, 18087), (141, 18150), (Start: 151 @18180 has 22 MA's), (174, 18222), (278, 18429), (284, 18447), (308, 18537), (322, 18600), (330, 18624), (332, 18636), (341, 18687), (451, 19071), (518, 19173), (529, 19212), (549, 19239), (559, 19263), (655, 19491), (693, 19593), (700, 19614), (705, 19626), (715, 19656), (734, 19755), (746, 19818), (814, 20037), (823, 20070), (872, 20352), (885, 20439), (892, 20478), (896, 20508),

Gene: Paphu_23 Start: 15792, Stop: 18626, Start Num: 106

Candidate Starts for Paphu_23:

(Start: 106 @15792 has 199 MA's), (128, 15864), (250, 16107), (256, 16122), (271, 16167), (298, 16287), (303, 16305), (310, 16353), (319, 16398), (332, 16443), (333, 16446), (341, 16494), (378, 16677), (385, 16704), (405, 16788), (420, 16845), (428, 16863), (441, 16908), (456, 16944), (479, 17004), (491, 17052), (510, 17115), (512, 17118), (550, 17235), (565, 17271), (574, 17298), (581, 17310), (585, 17328), (589, 17343), (611, 17406), (653, 17535), (667, 17580), (677, 17613), (683, 17625), (722, 17754), (740, 17850), (758, 17937), (759, 17940), (765, 17958), (821, 18162), (852, 18339), (872, 18450), (885, 18537), (892, 18576), (894, 18591),

Gene: Paraselene_23 Start: 16163, Stop: 18997, Start Num: 106

Candidate Starts for Paraselene_23:

(Start: 106 @16163 has 199 MA's), (128, 16235), (250, 16478), (256, 16493), (271, 16538), (298, 16658), (303, 16676), (310, 16724), (319, 16769), (332, 16814), (333, 16817), (341, 16865), (378, 17048), (385, 17075), (405, 17159), (420, 17216), (428, 17234), (441, 17279), (456, 17315), (475, 17357), (479, 17375), (491, 17423), (510, 17486), (512, 17489), (550, 17606), (565, 17642), (574, 17669), (581, 17681), (585, 17699), (589, 17714), (611, 17777), (653, 17906), (667, 17951), (677, 17984), (683, 17996), (722, 18125), (740, 18221), (758, 18308), (759, 18311), (765, 18329), (821, 18533), (852, 18710), (872, 18821), (880, 18875), (885, 18908), (892, 18947), (894, 18962),

Gene: Pari_25 Start: 16564, Stop: 18564, Start Num: 106

Candidate Starts for Pari_25:

(Start: 106 @16564 has 199 MA's), (119, 16603), (141, 16666), (Start: 151 @16696 has 22 MA's), (160, 16717), (231, 16777), (259, 16873), (278, 16942), (282, 16954), (308, 17050), (314, 17083), (368, 17317), (475, 17605), (527, 17707), (536, 17719), (583, 17797), (601, 17839), (632, 17893), (635, 17905), (639, 17920), (655, 17938), (661, 17950), (700, 18028), (715, 18058), (734, 18154), (801, 18364), (836, 18514),

Gene: Parliament_23 Start: 16450, Stop: 18921, Start Num: 106

Candidate Starts for Parliament_23:

(Start: 106 @16450 has 199 MA's), (119, 16489), (141, 16552), (Start: 151 @16582 has 22 MA's), (160, 16603), (174, 16624), (186, 16654), (236, 16678), (255, 16744), (308, 16942), (314, 16975), (332, 17041), (381, 17296), (385, 17317), (390, 17344), (467, 17503), (490, 17539), (542, 17632), (552, 17653), (583, 17710), (630, 17830), (639, 17866), (655, 17896), (666, 17932), (693, 17998), (700, 18019), (734, 18160), (769, 18301), (778, 18322), (822, 18457), (852, 18634), (872, 18745),

(882, 18811), (885, 18832), (892, 18871), (896, 18901),

Gene: PascalRango_23 Start: 16002, Stop: 18614, Start Num: 106

Candidate Starts for PascalRango_23:

(Start: 106 @16002 has 199 MA's), (112, 16017), (141, 16101), (143, 16107), (Start: 151 @16131 has 22 MA's), (243, 16239), (292, 16410), (307, 16470), (308, 16473), (335, 16596), (341, 16626), (353, 16689), (404, 16908), (430, 16980), (450, 17028), (475, 17073), (550, 17298), (555, 17307), (569, 17343), (576, 17358), (586, 17385), (655, 17589), (695, 17703), (700, 17712), (708, 17733), (715, 17754), (734, 17853), (739, 17874), (743, 17895), (744, 17898), (784, 18027), (810, 18111), (823, 18156), (872, 18438), (882, 18504), (885, 18525), (892, 18564), (894, 18579),

Gene: PattyP_26 Start: 16629, Stop: 19100, Start Num: 106

Candidate Starts for PattyP_26:

(Start: 106 @16629 has 199 MA's), (119, 16668), (141, 16731), (Start: 151 @16761 has 22 MA's), (160, 16782), (174, 16803), (178, 16815), (186, 16833), (236, 16857), (255, 16923), (308, 17121), (314, 17154), (332, 17220), (381, 17475), (385, 17496), (390, 17523), (467, 17682), (490, 17718), (542, 17811), (552, 17832), (583, 17889), (630, 18009), (639, 18045), (655, 18075), (666, 18111), (693, 18177), (700, 18198), (734, 18339), (769, 18480), (778, 18501), (822, 18636), (852, 18813), (872, 18924), (882, 18990), (885, 19011), (892, 19050), (894, 19065),

Gene: Pawn_28 Start: 16057, Stop: 19083, Start Num: 40

Candidate Starts for Pawn_28:

(31, 16003), (Start: 40 @16057 has 81 MA's), (56, 16171), (66, 16237), (67, 16240), (73, 16249), (84, 16285), (94, 16336), (118, 16408), (139, 16480), (183, 16600), (185, 16603), (207, 16672), (219, 16717), (251, 16810), (257, 16819), (272, 16864), (281, 16903), (288, 16927), (292, 16939), (301, 16972), (305, 16990), (309, 17011), (320, 17059), (322, 17065), (327, 17080), (330, 17089), (332, 17101), (334, 17110), (351, 17203), (372, 17290), (375, 17320), (376, 17323), (383, 17350), (385, 17362), (397, 17416), (402, 17437), (408, 17467), (419, 17503), (470, 17629), (484, 17683), (499, 17728), (512, 17776), (522, 17818), (526, 17827), (540, 17857), (573, 17929), (577, 17935), (595, 17956), (596, 17959), (600, 17971), (638, 18088), (642, 18097), (673, 18169), (674, 18172), (692, 18208), (712, 18259), (713, 18262), (715, 18271), (750, 18454), (771, 18520), (775, 18532), (797, 18574), (811, 18637), (832, 18694), (841, 18763), (848, 18799), (864, 18880), (889, 19015), (891, 19027),

Gene: Payneful_24 Start: 15902, Stop: 18370, Start Num: 106

Candidate Starts for Payneful_24:

(Start: 106 @15902 has 199 MA's), (112, 15917), (Start: 151 @16031 has 22 MA's), (160, 16052), (174, 16073), (186, 16103), (255, 16193), (308, 16391), (314, 16424), (332, 16490), (381, 16745), (385, 16766), (390, 16793), (467, 16952), (490, 16988), (542, 17081), (552, 17102), (559, 17117), (569, 17138), (571, 17141), (606, 17210), (616, 17246), (630, 17279), (639, 17315), (655, 17345), (666, 17381), (693, 17447), (700, 17468), (734, 17609), (769, 17750), (778, 17771), (822, 17906), (852, 18083), (872, 18194), (882, 18260), (885, 18281), (892, 18320), (896, 18350),

Gene: PeaceMeal1_24 Start: 13789, Stop: 16521, Start Num: 101

Candidate Starts for PeaceMeal1_24:

(Start: 101 @13789 has 8 MA's), (Start: 162 @13966 has 10 MA's), (190, 14041), (196, 14053), (248, 14215), (254, 14236), (258, 14248), (267, 14278), (274, 14311), (285, 14356), (291, 14374), (294, 14389), (295, 14398), (302, 14419), (323, 14524), (332, 14566), (364, 14731), (396, 14893), (403, 14920), (482, 15097), (495, 15142), (517, 15217), (531, 15265), (532, 15268), (545, 15289), (547, 15292), (566, 15337), (606, 15412), (607, 15415), (612, 15436), (620, 15460), (644, 15526), (657, 15556), (668, 15568), (699, 15655), (705, 15670), (719, 15724), (734, 15799), (747, 15877), (750, 15889), (757, 15907), (766, 15946), (772, 15958), (776, 15970), (793, 16012), (798, 16024), (803, 16036), (807, 16051), (812, 16072), (818, 16084), (860, 16297), (872, 16357), (880, 16402), (889,

16453), (896, 16501),

Gene: Peaches_25 Start: 15884, Stop: 18484, Start Num: 104

Candidate Starts for Peaches_25:

(Start: 104 @15884 has 113 MA's), (Start: 151 @16025 has 22 MA's), (Start: 162 @16043 has 10 MA's), (233, 16250), (245, 16289), (251, 16319), (284, 16436), (292, 16463), (308, 16526), (322, 16589), (334, 16634), (341, 16676), (357, 16760), (446, 17027), (474, 17078), (489, 17123), (519, 17201), (530, 17234), (532, 17240), (582, 17336), (595, 17345), (614, 17408), (622, 17429), (633, 17456), (655, 17513), (657, 17519), (683, 17573), (700, 17621), (719, 17687), (750, 17852), (757, 17870), (803, 17996), (856, 18248), (857, 18251), (860, 18260), (872, 18320), (889, 18416), (896, 18464),

Gene: Pelly_25 Start: 16859, Stop: 19519, Start Num: 106

Candidate Starts for Pelly_25:

(Start: 106 @16859 has 199 MA's), (119, 16898), (141, 16961), (143, 16967), (Start: 151 @16991 has 22 MA's), (174, 17033), (308, 17342), (322, 17405), (334, 17450), (339, 17474), (353, 17549), (356, 17561), (440, 17882), (555, 18212), (576, 18263), (586, 18290), (655, 18494), (695, 18608), (700, 18617), (708, 18638), (715, 18659), (734, 18758), (743, 18800), (744, 18803), (784, 18932), (810, 19016), (823, 19061), (872, 19343), (885, 19430), (892, 19469), (894, 19484),

Gene: Pembroke_27 Start: 15980, Stop: 19006, Start Num: 40

Candidate Starts for Pembroke_27:

(31, 15926), (Start: 40 @15980 has 81 MA's), (56, 16094), (66, 16160), (67, 16163), (73, 16172), (84, 16208), (94, 16259), (118, 16331), (139, 16403), (183, 16523), (185, 16526), (207, 16595), (219, 16640), (251, 16733), (257, 16742), (263, 16760), (272, 16787), (288, 16850), (292, 16862), (301, 16895), (305, 16913), (318, 16979), (320, 16982), (322, 16988), (327, 17003), (330, 17012), (332, 17024), (334, 17033), (351, 17126), (375, 17243), (376, 17246), (383, 17273), (385, 17285), (397, 17339), (402, 17360), (419, 17426), (429, 17453), (472, 17558), (484, 17606), (499, 17651), (512, 17699), (522, 17741), (526, 17750), (540, 17780), (541, 17783), (548, 17795), (573, 17852), (577, 17858), (595, 17879), (596, 17882), (642, 18020), (648, 18032), (673, 18092), (700, 18152), (712, 18182), (713, 18185), (715, 18194), (734, 18287), (750, 18377), (771, 18443), (775, 18455), (797, 18497), (811, 18560), (832, 18617), (841, 18686), (848, 18722), (864, 18803), (889, 18938),

Gene: Penny1_27 Start: 15979, Stop: 19005, Start Num: 40

Candidate Starts for Penny1_27:

(31, 15925), (Start: 40 @15979 has 81 MA's), (56, 16093), (66, 16159), (67, 16162), (73, 16171), (84, 16207), (94, 16258), (118, 16330), (139, 16402), (183, 16522), (185, 16525), (207, 16594), (219, 16639), (251, 16732), (257, 16741), (263, 16759), (272, 16786), (288, 16849), (292, 16861), (301, 16894), (305, 16912), (318, 16978), (320, 16981), (322, 16987), (327, 17002), (330, 17011), (332, 17023), (334, 17032), (347, 17110), (351, 17125), (375, 17242), (376, 17245), (383, 17272), (385, 17284), (397, 17338), (402, 17359), (419, 17425), (433, 17464), (472, 17557), (484, 17605), (499, 17650), (512, 17698), (522, 17740), (526, 17749), (540, 17779), (541, 17782), (548, 17794), (573, 17851), (577, 17857), (595, 17878), (596, 17881), (642, 18019), (648, 18031), (673, 18091), (699, 18148), (734, 18286), (738, 18307), (742, 18331), (750, 18376), (757, 18394), (771, 18442), (775, 18454), (797, 18496), (811, 18559), (832, 18616), (841, 18685), (848, 18721), (864, 18802), (889, 18937),

Gene: Pepe_25 Start: 16870, Stop: 19701, Start Num: 106

Candidate Starts for Pepe_25:

(Start: 106 @16870 has 199 MA's), (112, 16885), (250, 17182), (271, 17242), (298, 17362), (303, 17380), (319, 17473), (332, 17518), (333, 17521), (341, 17569), (378, 17752), (385, 17779), (405, 17863), (420, 17920), (428, 17938), (432, 17947), (456, 18019), (466, 18037), (479, 18079), (480, 18082), (491, 18127), (510, 18190), (512, 18193), (550, 18310), (565, 18346), (574, 18373), (581,

18385), (585, 18403), (589, 18418), (611, 18481), (653, 18610), (667, 18655), (677, 18688), (683, 18700), (722, 18829), (740, 18925), (758, 19012), (759, 19015), (765, 19033), (821, 19237), (852, 19414), (872, 19525), (885, 19612), (892, 19651), (894, 19666),

Gene: Perplexer_25 Start: 15879, Stop: 18479, Start Num: 104

Candidate Starts for Perplexer_25:

(Start: 104 @15879 has 113 MA's), (222, 16221), (239, 16269), (256, 16326), (284, 16431), (288, 16446), (292, 16458), (308, 16521), (334, 16629), (337, 16650), (341, 16671), (446, 17022), (474, 17073), (489, 17118), (530, 17229), (532, 17235), (582, 17331), (605, 17367), (614, 17403), (633, 17451), (683, 17568), (719, 17682), (750, 17847), (757, 17865), (798, 17979), (803, 17991), (831, 18081), (844, 18174), (857, 18246), (860, 18255), (872, 18315), (874, 18324), (883, 18378), (889, 18411), (896, 18459),

Gene: Perseus_25 Start: 16486, Stop: 18966, Start Num: 106

Candidate Starts for Perseus_25:

(Start: 106 @16486 has 199 MA's), (119, 16525), (141, 16588), (Start: 151 @16618 has 22 MA's), (174, 16660), (278, 16867), (284, 16885), (308, 16975), (322, 17038), (330, 17062), (332, 17074), (341, 17125), (451, 17509), (518, 17611), (529, 17650), (542, 17665), (559, 17701), (619, 17830), (655, 17929), (693, 18031), (700, 18052), (705, 18064), (715, 18094), (734, 18193), (746, 18256), (814, 18475), (823, 18508), (872, 18790), (885, 18877), (892, 18916),

Gene: PeterPeter_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for PeterPeter_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (530, 17235), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Petersenfast_25 Start: 17178, Stop: 19706, Start Num: 120

Candidate Starts for Petersenfast_25:

(Start: 113 @17160 has 22 MA's), (Start: 120 @17178 has 2 MA's), (186, 17352), (194, 17361), (217, 17436), (245, 17490), (260, 17544), (264, 17559), (265, 17562), (272, 17580), (288, 17643), (292, 17655), (308, 17718), (322, 17781), (327, 17796), (330, 17805), (334, 17826), (338, 17850), (341, 17865), (359, 17952), (361, 17955), (366, 17970), (370, 17991), (372, 18003), (381, 18069), (396, 18141), (404, 18165), (436, 18246), (439, 18255), (443, 18267), (466, 18309), (497, 18366), (515, 18420), (560, 18528), (575, 18567), (628, 18708), (674, 18804), (681, 18825), (694, 18858), (711, 18891), (713, 18894), (733, 18978), (743, 19023), (744, 19026), (772, 19140), (783, 19173), (806, 19245), (816, 19281), (835, 19353), (847, 19431), (857, 19485), (863, 19509), (886, 19620),

Gene: Peterson_27 Start: 18069, Stop: 20729, Start Num: 106

Candidate Starts for Peterson_27:

(Start: 106 @18069 has 199 MA's), (119, 18108), (141, 18171), (143, 18177), (Start: 151 @18201 has 22 MA's), (174, 18243), (308, 18552), (334, 18660), (339, 18684), (353, 18759), (356, 18771), (440, 19092), (555, 19422), (576, 19473), (586, 19500), (655, 19704), (695, 19818), (700, 19827), (708, 19848), (715, 19869), (734, 19968), (743, 20010), (744, 20013), (784, 20142), (810, 20226), (823, 20271), (872, 20553), (885, 20640), (892, 20679), (894, 20694),

Gene: PetiteSangsue_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for PetiteSangsue_25:

(Start: 104 @15885 has 113 MA's), (222, 16227), (239, 16275), (256, 16332), (284, 16437), (288, 16452), (292, 16464), (308, 16527), (334, 16635), (337, 16656), (341, 16677), (446, 17028), (474,

17079), (489, 17124), (530, 17235), (532, 17241), (582, 17337), (605, 17373), (614, 17409), (633, 17457), (683, 17574), (719, 17688), (750, 17853), (757, 17871), (798, 17985), (803, 17997), (831, 18087), (844, 18180), (857, 18252), (860, 18261), (872, 18321), (874, 18330), (889, 18417), (896, 18465),

Gene: Petp2012_26 Start: 17297, Stop: 19771, Start Num: 106

Candidate Starts for Petp2012_26:

(Start: 106 @17297 has 199 MA's), (119, 17336), (141, 17399), (Start: 151 @17429 has 22 MA's), (160, 17450), (259, 17606), (282, 17687), (308, 17783), (314, 17816), (332, 17882), (404, 18218), (434, 18290), (521, 18437), (549, 18482), (559, 18506), (619, 18635), (655, 18734), (693, 18836), (700, 18857), (715, 18899), (734, 18998), (746, 19061), (772, 19151), (814, 19280), (823, 19313), (872, 19595), (882, 19661), (885, 19682), (892, 19721), (894, 19736),

Gene: Petruccio_24 Start: 16327, Stop: 18795, Start Num: 106

Candidate Starts for Petruccio_24:

(Start: 106 @16327 has 199 MA's), (119, 16366), (141, 16429), (Start: 151 @16459 has 22 MA's), (160, 16480), (174, 16501), (178, 16513), (186, 16531), (243, 16576), (255, 16621), (308, 16816), (314, 16849), (332, 16915), (381, 17170), (385, 17191), (390, 17218), (402, 17257), (423, 17314), (440, 17344), (467, 17377), (490, 17413), (542, 17506), (552, 17527), (583, 17584), (630, 17704), (639, 17740), (655, 17770), (666, 17806), (693, 17872), (700, 17893), (734, 18034), (769, 18175), (778, 18196), (822, 18331), (872, 18619), (885, 18706), (892, 18745),

Gene: PetterN_23 Start: 15059, Stop: 17872, Start Num: 2

Candidate Starts for PetterN_23:

(Start: 2 @15059 has 8 MA's), (10, 15248), (122, 15731), (123, 15737), (202, 15830), (222, 15881), (239, 15917), (266, 16007), (282, 16073), (288, 16094), (308, 16169), (314, 16202), (330, 16256), (335, 16289), (336, 16292), (338, 16301), (357, 16400), (363, 16409), (368, 16433), (389, 16562), (418, 16676), (443, 16718), (448, 16727), (496, 16793), (568, 16886), (590, 16919), (645, 17006), (672, 17039), (683, 17051), (706, 17081), (734, 17144), (743, 17186), (760, 17258), (770, 17285), (773, 17300), (783, 17327), (792, 17348), (816, 17435), (825, 17465), (826, 17468), (839, 17528), (856, 17627), (860, 17639), (862, 17651), (864, 17660), (889, 17807),

Gene: Ph8s_27 Start: 15361, Stop: 17886, Start Num: 100

Candidate Starts for Ph8s_27:

(Start: 100 @15361 has 4 MA's), (105, 15379), (141, 15484), (168, 15550), (170, 15553), (171, 15556), (Start: 182 @15586 has 15 MA's), (272, 15805), (280, 15841), (292, 15880), (305, 15931), (314, 15976), (318, 15997), (330, 16030), (333, 16045), (334, 16051), (337, 16072), (375, 16261), (382, 16288), (385, 16303), (397, 16357), (402, 16378), (419, 16444), (499, 16669), (503, 16684), (508, 16711), (514, 16726), (530, 16780), (534, 16789), (549, 16816), (558, 16834), (573, 16870), (595, 16897), (596, 16900), (609, 16939), (612, 16951), (642, 17038), (673, 17110), (686, 17137), (712, 17200), (720, 17245), (759, 17407), (802, 17470), (843, 17596), (858, 17668), (862, 17686), (863, 17689), (876, 17764), (886, 17800),

Gene: Phacado_25 Start: 15884, Stop: 18484, Start Num: 104

Candidate Starts for Phacado_25:

(Start: 104 @15884 has 113 MA's), (Start: 151 @16025 has 22 MA's), (Start: 162 @16043 has 10 MA's), (233, 16250), (245, 16289), (251, 16319), (284, 16436), (292, 16463), (308, 16526), (322, 16589), (334, 16634), (341, 16676), (357, 16760), (446, 17027), (474, 17078), (489, 17123), (519, 17201), (530, 17234), (532, 17240), (545, 17261), (614, 17408), (622, 17429), (632, 17453), (657, 17519), (683, 17573), (700, 17621), (719, 17687), (750, 17852), (757, 17870), (803, 17996), (856, 18248), (857, 18251), (860, 18260), (872, 18320), (889, 18416), (896, 18464),

Gene: Phaded_29 Start: 18699, Stop: 21095, Start Num: 135

Candidate Starts for Phaded_29:

(Start: 135 @18699 has 6 MA's), (Start: 142 @18717 has 5 MA's), (153, 18750), (155, 18756), (195, 18852), (207, 18894), (237, 18957), (239, 18960), (267, 19050), (271, 19065), (277, 19095), (278, 19104), (289, 19140), (292, 19149), (308, 19212), (314, 19245), (327, 19290), (332, 19311), (334, 19320), (353, 19425), (384, 19566), (457, 19734), (460, 19740), (490, 19812), (554, 19980), (565, 19998), (630, 20154), (648, 20208), (663, 20244), (676, 20295), (699, 20355), (712, 20388), (715, 20400), (720, 20433), (721, 20436), (746, 20574), (749, 20586), (782, 20628), (799, 20664), (803, 20676), (807, 20682), (863, 20892),

Gene: Phaeder_27 Start: 17590, Stop: 20499, Start Num: 54

Candidate Starts for Phaeder_27:

(Start: 54 @17590 has 33 MA's), (56, 17602), (66, 17662), (110, 17821), (127, 17884), (148, 17947), (164, 17989), (185, 18046), (253, 18256), (257, 18262), (262, 18277), (287, 18367), (288, 18370), (292, 18382), (304, 18424), (314, 18478), (334, 18553), (337, 18574), (338, 18577), (341, 18595), (353, 18658), (371, 18724), (375, 18763), (382, 18790), (385, 18805), (391, 18835), (397, 18859), (400, 18871), (402, 18880), (419, 18946), (433, 18985), (455, 19051), (472, 19078), (479, 19105), (499, 19171), (511, 19216), (534, 19291), (558, 19336), (567, 19357), (577, 19378), (578, 19381), (595, 19399), (596, 19402), (606, 19429), (633, 19510), (648, 19552), (712, 19702), (716, 19717), (720, 19747), (731, 19798), (749, 19885), (751, 19894), (766, 19945), (797, 20008), (803, 20029), (810, 20065), (826, 20101), (827, 20107), (841, 20185), (846, 20212), (857, 20272), (872, 20341), (876, 20371), (882, 20398), (891, 20437), (897, 20479),

Gene: Phantastic_25 Start: 15463, Stop: 18498, Start Num: 39

Candidate Starts for Phantastic_25:

(Start: 39 @15463 has 32 MA's), (64, 15637), (67, 15649), (78, 15682), (139, 15892), (Start: 172 @15979 has 1 MA's), (183, 16012), (185, 16015), (251, 16219), (257, 16228), (261, 16240), (272, 16273), (285, 16327), (288, 16336), (292, 16348), (301, 16381), (305, 16399), (308, 16411), (325, 16477), (332, 16510), (334, 16519), (351, 16612), (375, 16729), (385, 16771), (397, 16825), (402, 16846), (419, 16912), (484, 17092), (503, 17152), (511, 17182), (522, 17227), (526, 17236), (540, 17266), (548, 17281), (558, 17302), (573, 17338), (595, 17365), (596, 17368), (604, 17389), (624, 17452), (648, 17518), (673, 17578), (692, 17617), (700, 17638), (712, 17668), (713, 17671), (715, 17680), (719, 17704), (734, 17773), (738, 17794), (750, 17863), (757, 17881), (771, 17929), (775, 17941), (797, 17983), (800, 17995), (810, 18043), (811, 18046), (848, 18214), (860, 18274), (862, 18286), (864, 18295), (889, 18430), (896, 18478),

Gene: Pharaoh_26 Start: 17176, Stop: 20193, Start Num: 27

Candidate Starts for Pharaoh_26:

(21, 17146), (Start: 27 @17176 has 5 MA's), (Start: 54 @17353 has 33 MA's), (55, 17356), (56, 17365), (88, 17500), (Start: 113 @17596 has 22 MA's), (127, 17647), (148, 17710), (164, 17752), (183, 17806), (185, 17809), (223, 17938), (253, 18025), (262, 18046), (269, 18067), (285, 18130), (287, 18136), (292, 18151), (300, 18181), (304, 18193), (305, 18202), (313, 18238), (320, 18271), (334, 18322), (337, 18343), (338, 18346), (375, 18532), (385, 18574), (388, 18592), (397, 18628), (402, 18649), (419, 18715), (426, 18733), (429, 18742), (433, 18754), (441, 18787), (454, 18817), (477, 18865), (499, 18940), (534, 19060), (549, 19087), (558, 19105), (566, 19120), (573, 19141), (595, 19168), (604, 19192), (624, 19255), (685, 19408), (692, 19420), (712, 19471), (720, 19516), (742, 19612), (794, 19741), (797, 19750), (828, 19831), (843, 19903), (863, 19990), (876, 20065), (882, 20092), (891, 20131),

Gene: Phelipe_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Phelipe_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (264, 16356), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489,

17124), (519, 17202), (530, 17235), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: PherrisBueller_25 Start: 16235, Stop: 18706, Start Num: 106

Candidate Starts for PherrisBueller_25:

(Start: 106 @16235 has 199 MA's), (119, 16274), (141, 16337), (Start: 151 @16367 has 22 MA's), (160, 16388), (174, 16409), (186, 16439), (236, 16463), (255, 16529), (308, 16727), (314, 16760), (332, 16826), (381, 17081), (385, 17102), (390, 17129), (467, 17288), (490, 17324), (542, 17417), (552, 17438), (583, 17495), (630, 17615), (639, 17651), (655, 17681), (666, 17717), (693, 17783), (700, 17804), (734, 17945), (769, 18086), (778, 18107), (822, 18242), (852, 18419), (872, 18530), (885, 18617), (892, 18656), (896, 18686),

Gene: Phighter1804_25 Start: 15863, Stop: 18463, Start Num: 104

Candidate Starts for Phighter1804_25:

(Start: 104 @15863 has 113 MA's), (Start: 151 @16004 has 22 MA's), (Start: 162 @16022 has 10 MA's), (233, 16229), (251, 16298), (284, 16415), (292, 16442), (308, 16505), (322, 16568), (334, 16613), (341, 16655), (357, 16739), (412, 16946), (446, 17006), (474, 17057), (489, 17102), (519, 17180), (530, 17213), (532, 17219), (597, 17333), (614, 17387), (632, 17432), (655, 17492), (683, 17552), (719, 17666), (722, 17684), (750, 17831), (757, 17849), (803, 17975), (856, 18227), (857, 18230), (860, 18239), (871, 18296), (872, 18299), (880, 18344), (889, 18395), (896, 18443),

Gene: Phillis_22 Start: 14522, Stop: 17599, Start Num: 9

Candidate Starts for Phillis_22:

(Start: 9 @14522 has 11 MA's), (16, 14606), (37, 14774), (42, 14798), (76, 14846), (111, 14966), (121, 14993), (130, 15038), (187, 15188), (189, 15191), (191, 15197), (245, 15383), (262, 15443), (290, 15542), (293, 15557), (307, 15608), (308, 15611), (314, 15644), (322, 15677), (359, 15845), (396, 16028), (404, 16052), (414, 16100), (423, 16121), (425, 16124), (486, 16268), (514, 16325), (531, 16355), (557, 16394), (593, 16466), (609, 16496), (640, 16595), (653, 16625), (677, 16670), (693, 16703), (734, 16868), (739, 16889), (742, 16901), (760, 16982), (770, 17009), (792, 17072), (799, 17096), (807, 17126), (816, 17159), (826, 17192), (839, 17252), (843, 17279), (863, 17378), (864, 17384), (880, 17474), (883, 17495), (890, 17534), (900, 17582),

Gene: PhishRPhriends_26 Start: 15241, Stop: 18267, Start Num: 40

Candidate Starts for PhishRPhriends_26:

(31, 15187), (Start: 40 @15241 has 81 MA's), (56, 15355), (66, 15421), (67, 15424), (73, 15433), (84, 15469), (94, 15520), (118, 15592), (139, 15664), (183, 15784), (185, 15787), (207, 15856), (219, 15901), (251, 15994), (257, 16003), (272, 16048), (281, 16087), (288, 16111), (292, 16123), (301, 16156), (305, 16174), (309, 16195), (320, 16243), (322, 16249), (327, 16264), (330, 16273), (332, 16285), (334, 16294), (351, 16387), (372, 16474), (375, 16504), (376, 16507), (383, 16534), (385, 16546), (397, 16600), (402, 16621), (408, 16651), (419, 16687), (470, 16813), (484, 16867), (499, 16912), (511, 16957), (512, 16960), (522, 17002), (526, 17011), (540, 17041), (573, 17113), (577, 17119), (595, 17140), (596, 17143), (600, 17155), (638, 17272), (642, 17281), (673, 17353), (674, 17356), (692, 17392), (712, 17443), (713, 17446), (715, 17455), (750, 17638), (771, 17704), (775, 17716), (797, 17758), (811, 17821), (832, 17878), (841, 17947), (848, 17983), (864, 18064), (889, 18199), (891, 18211),

Gene: Phlei_21 Start: 17431, Stop: 20733, Start Num: 4

Candidate Starts for Phlei_21:

(4, 17431), (7, 17455), (13, 17557), (28, 17701), (Start: 35 @17746 has 1 MA's), (49, 17836), (69, 17962), (71, 17968), (95, 18067), (126, 18178), (186, 18352), (193, 18364), (203, 18403), (212, 18439), (245, 18547), (262, 18607), (270, 18634), (276, 18652), (278, 18667), (308, 18775), (316, 18820), (321, 18832), (327, 18853), (334, 18883), (359, 19009), (377, 19102), (402, 19198), (413,

19252), (414, 19255), (415, 19258), (428, 19285), (444, 19309), (449, 19321), (518, 19468), (623, 19711), (652, 19786), (669, 19810), (719, 19927), (726, 19957), (734, 19993), (737, 20005), (739, 20014), (741, 20023), (760, 20107), (770, 20134), (783, 20176), (792, 20197), (838, 20386), (841, 20413), (858, 20512), (862, 20530), (863, 20533), (876, 20608),

Gene: Phlorence_22 Start: 15349, Stop: 18690, Start Num: 1

Candidate Starts for Phlorence_22:

(Start: 1 @15349 has 30 MA's), (37, 15787), (122, 16099), (144, 16177), (154, 16207), (175, 16264), (220, 16411), (222, 16417), (226, 16423), (263, 16549), (267, 16561), (308, 16711), (315, 16747), (322, 16777), (327, 16792), (334, 16822), (335, 16834), (340, 16858), (353, 16927), (371, 16993), (404, 17149), (423, 17218), (425, 17221), (438, 17248), (447, 17272), (512, 17410), (524, 17431), (549, 17476), (570, 17518), (650, 17710), (669, 17740), (677, 17764), (683, 17776), (693, 17797), (706, 17839), (726, 17926), (734, 17962), (739, 17983), (743, 18004), (762, 18082), (770, 18103), (776, 18124), (783, 18145), (792, 18166), (799, 18190), (816, 18253), (839, 18346), (842, 18364), (856, 18445), (860, 18457), (862, 18469), (864, 18478), (875, 18532), (888, 18616), (889, 18625),

Gene: Phoebe_27 Start: 15977, Stop: 19003, Start Num: 40

Candidate Starts for Phoebe_27:

(31, 15923), (Start: 40 @15977 has 81 MA's), (56, 16091), (66, 16157), (67, 16160), (73, 16169), (84, 16205), (94, 16256), (118, 16328), (139, 16400), (183, 16520), (185, 16523), (207, 16592), (219, 16637), (251, 16730), (257, 16739), (263, 16757), (272, 16784), (288, 16847), (292, 16859), (301, 16892), (305, 16910), (318, 16976), (320, 16979), (322, 16985), (327, 17000), (330, 17009), (332, 17021), (334, 17030), (351, 17123), (375, 17240), (376, 17243), (383, 17270), (385, 17282), (397, 17336), (402, 17357), (419, 17423), (429, 17450), (472, 17555), (484, 17603), (499, 17648), (512, 17696), (522, 17738), (526, 17747), (540, 17777), (541, 17780), (548, 17792), (573, 17849), (577, 17855), (595, 17876), (596, 17879), (642, 18017), (648, 18029), (673, 18089), (700, 18149), (712, 18179), (713, 18182), (715, 18191), (734, 18284), (750, 18374), (771, 18440), (775, 18452), (797, 18494), (811, 18557), (832, 18614), (841, 18683), (848, 18719), (864, 18800), (889, 18935),

Gene: Phonnegut_27 Start: 17623, Stop: 20532, Start Num: 54

Candidate Starts for Phonnegut_27:

(Start: 54 @17623 has 33 MA's), (56, 17635), (66, 17695), (110, 17854), (127, 17917), (148, 17980), (164, 18022), (185, 18079), (199, 18118), (253, 18289), (257, 18295), (262, 18310), (287, 18400), (288, 18403), (292, 18415), (304, 18457), (314, 18511), (334, 18586), (337, 18607), (338, 18610), (341, 18628), (353, 18691), (371, 18757), (375, 18796), (382, 18823), (385, 18838), (391, 18868), (397, 18892), (400, 18904), (402, 18913), (419, 18979), (433, 19018), (455, 19084), (472, 19111), (479, 19138), (511, 19249), (534, 19324), (558, 19369), (567, 19390), (577, 19411), (578, 19414), (595, 19432), (596, 19435), (606, 19462), (613, 19489), (633, 19543), (712, 19735), (716, 19750), (720, 19780), (731, 19831), (749, 19918), (751, 19927), (766, 19978), (797, 20041), (803, 20062), (810, 20098), (826, 20134), (827, 20140), (841, 20218), (846, 20245), (857, 20305), (872, 20374), (876, 20404), (882, 20431), (891, 20470), (897, 20512),

Gene: Phontbonne_25 Start: 15829, Stop: 18429, Start Num: 104

Candidate Starts for Phontbonne_25:

(Start: 104 @15829 has 113 MA's), (Start: 151 @15970 has 22 MA's), (Start: 162 @15988 has 10 MA's), (233, 16195), (245, 16234), (251, 16264), (284, 16381), (292, 16408), (308, 16471), (322, 16534), (334, 16579), (341, 16621), (357, 16705), (412, 16912), (446, 16972), (474, 17023), (489, 17068), (519, 17146), (530, 17179), (532, 17185), (614, 17353), (622, 17374), (632, 17398), (655, 17458), (657, 17464), (659, 17467), (683, 17518), (700, 17566), (719, 17632), (750, 17797), (757, 17815), (803, 17941), (856, 18193), (857, 18196), (860, 18205), (872, 18265), (889, 18361), (896, 18409),

Gene: Phoxy_27 Start: 16063, Stop: 19089, Start Num: 40

Candidate Starts for Phoxy_27:

(31, 16009), (Start: 40 @16063 has 81 MA's), (56, 16177), (66, 16243), (67, 16246), (73, 16255), (84, 16291), (94, 16342), (118, 16414), (139, 16486), (183, 16606), (185, 16609), (207, 16678), (219, 16723), (251, 16816), (257, 16825), (263, 16843), (272, 16870), (288, 16933), (292, 16945), (301, 16978), (305, 16996), (318, 17062), (320, 17065), (322, 17071), (327, 17086), (330, 17095), (332, 17107), (334, 17116), (347, 17194), (351, 17209), (375, 17326), (376, 17329), (383, 17356), (385, 17368), (397, 17422), (402, 17443), (419, 17509), (433, 17548), (472, 17641), (484, 17689), (499, 17734), (522, 17824), (526, 17833), (540, 17863), (567, 17920), (573, 17935), (595, 17962), (596, 17965), (642, 18103), (648, 18115), (673, 18175), (699, 18232), (734, 18370), (738, 18391), (742, 18415), (750, 18460), (757, 18478), (771, 18526), (775, 18538), (797, 18580), (811, 18643), (832, 18700), (841, 18769), (848, 18805), (864, 18886), (889, 19021),

Gene: Phranny_28 Start: 16049, Stop: 19075, Start Num: 40

Candidate Starts for Phranny_28:

(31, 15995), (Start: 40 @16049 has 81 MA's), (56, 16163), (66, 16229), (67, 16232), (73, 16241), (84, 16277), (94, 16328), (118, 16400), (139, 16472), (183, 16592), (185, 16595), (207, 16664), (219, 16709), (251, 16802), (257, 16811), (272, 16856), (281, 16895), (288, 16919), (292, 16931), (301, 16964), (305, 16982), (309, 17003), (320, 17051), (322, 17057), (327, 17072), (330, 17081), (332, 17093), (334, 17102), (351, 17195), (372, 17282), (375, 17312), (376, 17315), (383, 17342), (385, 17354), (397, 17408), (402, 17429), (408, 17459), (419, 17495), (470, 17621), (484, 17675), (499, 17720), (512, 17768), (522, 17810), (526, 17819), (540, 17849), (573, 17921), (577, 17927), (595, 17948), (596, 17951), (600, 17963), (638, 18080), (642, 18089), (673, 18161), (674, 18164), (692, 18200), (712, 18251), (713, 18254), (715, 18263), (750, 18446), (771, 18512), (775, 18524), (797, 18566), (811, 18629), (832, 18686), (841, 18755), (848, 18791), (864, 18872), (889, 19007), (891, 19019),

Gene: PhrostyMug_24 Start: 16398, Stop: 18878, Start Num: 106

Candidate Starts for PhrostyMug_24:

(Start: 106 @16398 has 199 MA's), (119, 16437), (141, 16500), (Start: 151 @16530 has 22 MA's), (174, 16572), (278, 16779), (284, 16797), (308, 16887), (322, 16950), (330, 16974), (332, 16986), (341, 17037), (451, 17421), (518, 17523), (529, 17562), (549, 17589), (559, 17613), (619, 17742), (655, 17841), (693, 17943), (700, 17964), (715, 18006), (734, 18105), (746, 18168), (814, 18387), (823, 18420), (872, 18702), (885, 18789), (892, 18828), (894, 18843),

Gene: PickleBack_22 Start: 15063, Stop: 18404, Start Num: 1

Candidate Starts for PickleBack_22:

(Start: 1 @15063 has 30 MA's), (37, 15501), (122, 15813), (144, 15891), (154, 15921), (175, 15978), (220, 16125), (222, 16131), (226, 16137), (263, 16263), (267, 16275), (308, 16425), (315, 16461), (322, 16491), (327, 16506), (334, 16536), (335, 16548), (340, 16572), (353, 16641), (371, 16707), (404, 16863), (423, 16932), (425, 16935), (438, 16962), (447, 16986), (512, 17124), (524, 17145), (549, 17190), (570, 17232), (650, 17424), (669, 17454), (677, 17478), (683, 17490), (693, 17511), (706, 17553), (726, 17640), (734, 17676), (739, 17697), (743, 17718), (762, 17796), (770, 17817), (776, 17838), (783, 17859), (792, 17880), (799, 17904), (816, 17967), (839, 18060), (842, 18078), (856, 18159), (860, 18171), (862, 18183), (864, 18192), (875, 18246), (888, 18330), (889, 18339),

Gene: PinkPlastic_23 Start: 16163, Stop: 18640, Start Num: 106

Candidate Starts for PinkPlastic_23:

(Start: 106 @16163 has 199 MA's), (119, 16202), (141, 16265), (147, 16283), (Start: 151 @16295 has 22 MA's), (160, 16316), (230, 16376), (259, 16472), (278, 16541), (282, 16553), (308, 16649), (314, 16682), (451, 17183), (518, 17285), (529, 17324), (542, 17339), (549, 17351), (559, 17375), (619, 17504), (655, 17603), (693, 17705), (700, 17726), (715, 17768), (734, 17867), (746, 17930), (772, 18020), (814, 18149), (823, 18182), (872, 18464), (882, 18530), (885, 18551), (892, 18590), (894, 18605),

Gene: Pinto_26 Start: 16466, Stop: 18934, Start Num: 106

Candidate Starts for Pinto_26:

(Start: 106 @16466 has 199 MA's), (112, 16481), (Start: 151 @16595 has 22 MA's), (160, 16616), (174, 16637), (186, 16667), (236, 16691), (243, 16712), (255, 16757), (308, 16955), (314, 16988), (332, 17054), (381, 17309), (385, 17330), (390, 17357), (467, 17516), (490, 17552), (542, 17645), (552, 17666), (559, 17681), (569, 17702), (571, 17705), (606, 17774), (616, 17810), (630, 17843), (639, 17879), (655, 17909), (666, 17945), (693, 18011), (700, 18032), (734, 18173), (769, 18314), (778, 18335), (822, 18470), (852, 18647), (872, 18758), (882, 18824), (885, 18845), (892, 18884),

Gene: Pioneer_27 Start: 17623, Stop: 20532, Start Num: 54

Candidate Starts for Pioneer_27:

(Start: 54 @17623 has 33 MA's), (56, 17635), (66, 17695), (110, 17854), (127, 17917), (148, 17980), (164, 18022), (185, 18079), (199, 18118), (253, 18289), (257, 18295), (262, 18310), (287, 18400), (288, 18403), (292, 18415), (304, 18457), (314, 18511), (334, 18586), (337, 18607), (338, 18610), (341, 18628), (353, 18691), (371, 18757), (375, 18796), (382, 18823), (385, 18838), (391, 18868), (397, 18892), (400, 18904), (402, 18913), (419, 18979), (433, 19018), (455, 19084), (472, 19111), (479, 19138), (511, 19249), (534, 19324), (558, 19369), (567, 19390), (577, 19411), (578, 19414), (595, 19432), (596, 19435), (606, 19462), (613, 19489), (633, 19543), (712, 19735), (716, 19750), (720, 19780), (731, 19831), (749, 19918), (751, 19927), (766, 19978), (797, 20041), (803, 20062), (810, 20098), (826, 20134), (827, 20140), (841, 20218), (846, 20245), (857, 20305), (872, 20374), (876, 20404), (882, 20431), (891, 20470), (897, 20512),

Gene: Pipcraft_25 Start: 16026, Stop: 18485, Start Num: 151

Candidate Starts for Pipcraft_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (614, 17409), (622, 17430), (632, 17454), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Pippin_26 Start: 16733, Stop: 19204, Start Num: 106

Candidate Starts for Pippin_26:

(Start: 106 @16733 has 199 MA's), (119, 16772), (141, 16835), (Start: 151 @16865 has 22 MA's), (160, 16886), (174, 16907), (178, 16919), (186, 16937), (236, 16961), (275, 17099), (284, 17135), (308, 17225), (314, 17258), (332, 17324), (381, 17579), (385, 17600), (390, 17627), (395, 17642), (423, 17723), (467, 17786), (490, 17822), (542, 17915), (552, 17936), (559, 17951), (569, 17972), (571, 17975), (606, 18044), (616, 18080), (630, 18113), (639, 18149), (655, 18179), (666, 18215), (693, 18281), (700, 18302), (734, 18443), (769, 18584), (778, 18605), (822, 18740), (852, 18917), (872, 19028), (882, 19094), (885, 19115), (892, 19154), (894, 19169),

Gene: Piro94_27 Start: 17131, Stop: 19638, Start Num: 103

Candidate Starts for Piro94_27:

(Start: 103 @17131 has 89 MA's), (141, 17242), (165, 17299), (249, 17485), (272, 17548), (279, 17581), (281, 17587), (327, 17767), (330, 17776), (333, 17791), (334, 17797), (337, 17818), (338, 17821), (341, 17839), (352, 17899), (375, 18007), (385, 18049), (386, 18058), (388, 18067), (397, 18103), (402, 18124), (418, 18187), (419, 18190), (426, 18208), (433, 18229), (499, 18415), (503, 18430), (508, 18457), (526, 18514), (531, 18529), (534, 18535), (540, 18544), (542, 18550), (558, 18580), (567, 18601), (596, 18646), (597, 18652), (609, 18685), (615, 18712), (642, 18784), (648, 18796), (673, 18856), (686, 18883), (712, 18946), (720, 18991), (730, 19039), (739, 19075), (745, 19108), (782, 19171), (797, 19195), (843, 19339), (863, 19438), (879, 19525), (899, 19624),

Gene: Pistachio_26 Start: 15042, Stop: 18077, Start Num: 39

Candidate Starts for Pistachio_26:

(Start: 39 @15042 has 32 MA's), (64, 15216), (67, 15228), (78, 15261), (139, 15471), (183, 15591), (185, 15594), (251, 15798), (261, 15819), (270, 15849), (272, 15852), (288, 15915), (292, 15927), (301, 15960), (305, 15978), (320, 16047), (322, 16053), (327, 16068), (330, 16077), (332, 16089), (334, 16098), (351, 16191), (375, 16308), (376, 16311), (382, 16335), (383, 16338), (385, 16350), (397, 16404), (402, 16425), (406, 16446), (419, 16491), (429, 16518), (433, 16530), (484, 16671), (499, 16716), (503, 16731), (522, 16806), (526, 16815), (540, 16845), (548, 16860), (549, 16863), (558, 16881), (567, 16902), (568, 16905), (595, 16944), (596, 16947), (624, 17031), (648, 17097), (657, 17118), (673, 17157), (692, 17196), (700, 17217), (712, 17247), (713, 17250), (715, 17259), (719, 17283), (734, 17352), (738, 17373), (750, 17442), (757, 17460), (771, 17508), (775, 17520), (797, 17562), (800, 17574), (810, 17622), (848, 17793), (852, 17823), (860, 17853), (864, 17874), (889, 18009), (896, 18057),

Gene: Pita2_26 Start: 16832, Stop: 19303, Start Num: 106

Candidate Starts for Pita2_26:

(Start: 106 @16832 has 199 MA's), (119, 16871), (141, 16934), (Start: 151 @16964 has 22 MA's), (160, 16985), (174, 17006), (178, 17018), (186, 17036), (255, 17126), (308, 17324), (314, 17357), (332, 17423), (381, 17678), (385, 17699), (390, 17726), (467, 17885), (490, 17921), (542, 18014), (552, 18035), (583, 18092), (630, 18212), (639, 18248), (655, 18278), (666, 18314), (693, 18380), (700, 18401), (734, 18542), (769, 18683), (778, 18704), (822, 18839), (852, 19016), (872, 19127), (882, 19193), (885, 19214), (892, 19253), (894, 19268),

Gene: Pmask_29 Start: 16729, Stop: 18933, Start Num: 124

Candidate Starts for Pmask_29:

(65, 16570), (98, 16684), (Start: 124 @16729 has 42 MA's), (166, 16840), (168, 16846), (206, 16954), (217, 16996), (256, 17119), (267, 17155), (276, 17182), (308, 17305), (314, 17338), (336, 17428), (349, 17497), (404, 17740), (495, 17878), (599, 17998), (701, 18151), (734, 18214), (743, 18256), (770, 18355), (776, 18376), (783, 18397), (792, 18418), (806, 18469), (808, 18481), (813, 18496), (835, 18577), (847, 18655),

Gene: Pocahontas_26 Start: 16040, Stop: 19078, Start Num: 39

Candidate Starts for Pocahontas_26:

(Start: 39 @16040 has 32 MA's), (64, 16214), (67, 16226), (78, 16259), (139, 16466), (147, 16487), (183, 16586), (185, 16589), (251, 16799), (261, 16820), (272, 16853), (288, 16916), (292, 16928), (301, 16961), (305, 16979), (309, 17000), (320, 17048), (322, 17054), (327, 17069), (330, 17078), (332, 17090), (334, 17099), (351, 17192), (375, 17309), (376, 17312), (383, 17339), (385, 17351), (397, 17405), (402, 17426), (419, 17492), (433, 17531), (484, 17672), (499, 17717), (522, 17807), (526, 17816), (540, 17846), (567, 17903), (573, 17918), (595, 17945), (596, 17948), (603, 17966), (638, 18077), (673, 18158), (699, 18215), (714, 18257), (734, 18353), (738, 18374), (742, 18398), (750, 18443), (757, 18461), (771, 18509), (775, 18521), (797, 18563), (800, 18575), (810, 18623), (848, 18794), (860, 18854), (862, 18866), (869, 18893), (872, 18914), (889, 19010), (896, 19058),

Gene: Polymorphads_25 Start: 15882, Stop: 18482, Start Num: 104

Candidate Starts for Polymorphads_25:

(Start: 104 @15882 has 113 MA's), (Start: 151 @16023 has 22 MA's), (Start: 162 @16041 has 10 MA's), (233, 16248), (245, 16287), (251, 16317), (284, 16434), (292, 16461), (308, 16524), (322, 16587), (334, 16632), (341, 16674), (357, 16758), (412, 16965), (446, 17025), (474, 17076), (489, 17121), (519, 17199), (530, 17232), (532, 17238), (614, 17406), (622, 17427), (632, 17451), (655, 17511), (657, 17517), (659, 17520), (683, 17571), (700, 17619), (719, 17685), (750, 17850), (757, 17868), (803, 17994), (856, 18246), (857, 18249), (860, 18258), (872, 18318), (889, 18414), (896, 18462),

Gene: Pomar16_29 Start: 16549, Stop: 19062, Start Num: 103

Candidate Starts for Pomar16_29:

(Start: 103 @16549 has 89 MA's), (170, 16729), (171, 16732), (272, 16978), (287, 17038), (292, 17053), (300, 17083), (301, 17086), (318, 17170), (327, 17194), (333, 17218), (337, 17245), (338, 17248), (360, 17353), (375, 17434), (382, 17461), (385, 17476), (397, 17530), (402, 17551), (419, 17617), (426, 17635), (429, 17644), (470, 17743), (479, 17776), (481, 17785), (499, 17842), (503, 17857), (534, 17962), (548, 17986), (596, 18073), (600, 18085), (603, 18091), (612, 18124), (633, 18181), (657, 18244), (712, 18373), (716, 18388), (720, 18418), (725, 18430), (730, 18466), (759, 18580), (771, 18592), (799, 18634), (858, 18841), (862, 18859), (863, 18862), (899, 19048),

Gene: Poompha_24 Start: 13787, Stop: 16519, Start Num: 101

Candidate Starts for Poompha_24:

(Start: 101 @13787 has 8 MA's), (Start: 162 @13964 has 10 MA's), (190, 14039), (196, 14051), (248, 14213), (254, 14234), (258, 14246), (267, 14276), (274, 14309), (285, 14354), (291, 14372), (294, 14387), (295, 14396), (302, 14417), (323, 14522), (332, 14564), (364, 14729), (396, 14891), (403, 14918), (482, 15095), (495, 15140), (517, 15215), (531, 15263), (532, 15266), (545, 15287), (547, 15290), (566, 15335), (606, 15410), (607, 15413), (612, 15434), (620, 15458), (644, 15524), (657, 15554), (668, 15566), (689, 15620), (699, 15653), (705, 15668), (719, 15722), (734, 15797), (747, 15875), (750, 15887), (757, 15905), (766, 15944), (772, 15956), (776, 15968), (793, 16010), (798, 16022), (803, 16034), (807, 16049), (812, 16070), (818, 16082), (860, 16295), (872, 16355), (880, 16400), (889, 16451), (896, 16499),

Gene: Popcicle_26 Start: 16040, Stop: 19078, Start Num: 39

Candidate Starts for Popcicle_26:

(Start: 39 @16040 has 32 MA's), (64, 16214), (67, 16226), (78, 16259), (139, 16466), (147, 16487), (183, 16586), (185, 16589), (251, 16799), (261, 16820), (272, 16853), (288, 16916), (292, 16928), (301, 16961), (305, 16979), (309, 17000), (320, 17048), (322, 17054), (327, 17069), (330, 17078), (332, 17090), (334, 17099), (351, 17192), (375, 17309), (376, 17312), (383, 17339), (385, 17351), (397, 17405), (402, 17426), (419, 17492), (433, 17531), (484, 17672), (499, 17717), (522, 17807), (526, 17816), (540, 17846), (567, 17903), (573, 17918), (595, 17945), (596, 17948), (603, 17966), (638, 18077), (673, 18158), (699, 18215), (714, 18257), (734, 18353), (738, 18374), (742, 18398), (750, 18443), (757, 18461), (771, 18509), (775, 18521), (797, 18563), (800, 18575), (810, 18623), (848, 18794), (860, 18854), (862, 18866), (869, 18893), (872, 18914), (889, 19010), (896, 19058),

Gene: PotatoSplit_28 Start: 15979, Stop: 19005, Start Num: 40

Candidate Starts for PotatoSplit_28:

(31, 15925), (Start: 40 @15979 has 81 MA's), (56, 16093), (66, 16159), (67, 16162), (73, 16171), (84, 16207), (94, 16258), (118, 16330), (139, 16402), (183, 16522), (185, 16525), (207, 16594), (219, 16639), (251, 16732), (257, 16741), (263, 16759), (272, 16786), (288, 16849), (292, 16861), (301, 16894), (305, 16912), (318, 16978), (320, 16981), (322, 16987), (327, 17002), (330, 17011), (332, 17023), (334, 17032), (347, 17110), (351, 17125), (375, 17242), (376, 17245), (383, 17272), (385, 17284), (397, 17338), (402, 17359), (419, 17425), (433, 17464), (472, 17557), (484, 17605), (499, 17650), (512, 17698), (522, 17740), (526, 17749), (540, 17779), (541, 17782), (548, 17794), (573, 17851), (577, 17857), (595, 17878), (596, 17881), (642, 18019), (648, 18031), (673, 18091), (699, 18148), (734, 18286), (738, 18307), (742, 18331), (750, 18376), (757, 18394), (771, 18442), (775, 18454), (797, 18496), (811, 18559), (832, 18616), (841, 18685), (848, 18721), (864, 18802), (889, 18937),

Gene: Power_26 Start: 16547, Stop: 19084, Start Num: 103

Candidate Starts for Power_26:

(Start: 103 @16547 has 89 MA's), (168, 16724), (170, 16727), (171, 16730), (Start: 182 @16760 has 15 MA's), (242, 16898), (249, 16919), (251, 16928), (261, 16949), (272, 16982), (287, 17042), (292, 17057), (305, 17108), (315, 17156), (318, 17174), (330, 17207), (332, 17219), (333, 17222), (334,

17228), (337, 17249), (338, 17252), (354, 17339), (375, 17438), (385, 17480), (386, 17489), (388, 17498), (400, 17546), (402, 17555), (419, 17621), (433, 17660), (499, 17846), (503, 17861), (512, 17894), (526, 17945), (534, 17966), (542, 17981), (548, 17990), (556, 18005), (595, 18074), (648, 18227), (712, 18377), (720, 18422), (725, 18434), (730, 18470), (802, 18650), (806, 18659), (842, 18770), (847, 18800), (863, 18884),

Gene: Priamo_29 Start: 16751, Stop: 18982, Start Num: 124

Candidate Starts for Priamo_29:

(65, 16595), (98, 16706), (Start: 124 @16751 has 42 MA's), (166, 16862), (168, 16868), (217, 17018), (267, 17177), (276, 17204), (307, 17324), (308, 17327), (314, 17360), (336, 17450), (349, 17519), (391, 17720), (404, 17765), (550, 17969), (599, 18023), (682, 18146), (734, 18245), (736, 18254), (741, 18275), (749, 18320), (753, 18332), (813, 18539), (819, 18557), (840, 18659), (842, 18668), (847, 18698),

Gene: Priya_27 Start: 17621, Stop: 20530, Start Num: 54

Candidate Starts for Priya_27:

(Start: 54 @17621 has 33 MA's), (56, 17633), (66, 17693), (127, 17915), (148, 17978), (164, 18020), (183, 18074), (185, 18077), (199, 18116), (253, 18287), (257, 18293), (262, 18308), (287, 18398), (288, 18401), (292, 18413), (304, 18455), (314, 18509), (318, 18530), (334, 18584), (337, 18605), (338, 18608), (341, 18626), (353, 18689), (371, 18755), (375, 18794), (382, 18821), (385, 18836), (391, 18866), (397, 18890), (400, 18902), (402, 18911), (419, 18977), (433, 19016), (455, 19082), (472, 19109), (479, 19136), (511, 19247), (534, 19322), (548, 19346), (558, 19367), (567, 19388), (577, 19409), (578, 19412), (595, 19430), (596, 19433), (606, 19460), (626, 19520), (635, 19550), (648, 19583), (662, 19613), (668, 19625), (712, 19733), (716, 19748), (720, 19778), (731, 19829), (749, 19916), (751, 19925), (766, 19976), (797, 20039), (803, 20060), (810, 20096), (826, 20132), (827, 20138), (841, 20216), (846, 20243), (872, 20372), (876, 20402), (882, 20429), (891, 20468), (897, 20510),

Gene: ProMouse_23 Start: 16852, Stop: 19323, Start Num: 106

Candidate Starts for ProMouse_23:

(Start: 106 @16852 has 199 MA's), (119, 16891), (141, 16954), (Start: 151 @16984 has 22 MA's), (160, 17005), (174, 17026), (186, 17056), (232, 17068), (236, 17080), (255, 17146), (308, 17344), (314, 17377), (332, 17443), (381, 17698), (385, 17719), (390, 17746), (467, 17905), (490, 17941), (542, 18034), (552, 18055), (559, 18070), (569, 18091), (571, 18094), (606, 18163), (616, 18199), (630, 18232), (639, 18268), (655, 18298), (666, 18334), (693, 18400), (700, 18421), (715, 18463), (734, 18562), (769, 18703), (778, 18724), (822, 18859), (852, 19036), (872, 19147), (885, 19234), (892, 19273), (894, 19288),

Gene: Pukovnik_28 Start: 18254, Stop: 20650, Start Num: 135

Candidate Starts for Pukovnik_28:

(Start: 135 @18254 has 6 MA's), (Start: 142 @18272 has 5 MA's), (153, 18305), (155, 18311), (195, 18407), (207, 18449), (267, 18605), (270, 18617), (271, 18620), (277, 18650), (278, 18659), (289, 18695), (292, 18704), (308, 18767), (314, 18800), (327, 18845), (332, 18866), (334, 18875), (353, 18980), (384, 19121), (457, 19289), (463, 19301), (490, 19367), (493, 19373), (508, 19424), (554, 19535), (565, 19553), (630, 19709), (648, 19763), (663, 19799), (676, 19850), (699, 19910), (712, 19943), (715, 19955), (720, 19988), (721, 19991), (746, 20129), (749, 20141), (782, 20183), (799, 20219), (803, 20231), (807, 20237), (863, 20447),

Gene: Pumbaa_25 Start: 15860, Stop: 18460, Start Num: 104

Candidate Starts for Pumbaa_25:

(Start: 104 @15860 has 113 MA's), (Start: 151 @16001 has 22 MA's), (Start: 162 @16019 has 10 MA's), (233, 16226), (245, 16265), (251, 16295), (284, 16412), (292, 16439), (308, 16502), (322, 16565), (334, 16610), (341, 16652), (357, 16736), (446, 17003), (474, 17054), (489, 17099), (519,

17177), (532, 17216), (597, 17330), (614, 17384), (632, 17429), (655, 17489), (668, 17507), (683, 17549), (700, 17597), (719, 17663), (750, 17828), (757, 17846), (803, 17972), (856, 18224), (857, 18227), (860, 18236), (872, 18296), (889, 18392), (896, 18440),

Gene: Puppy_26 Start: 15114, Stop: 18149, Start Num: 39

Candidate Starts for Puppy_26:

(Start: 39 @15114 has 32 MA's), (64, 15288), (67, 15300), (78, 15333), (139, 15543), (183, 15663), (185, 15666), (251, 15870), (261, 15891), (270, 15921), (272, 15924), (288, 15987), (292, 15999), (301, 16032), (305, 16050), (320, 16119), (322, 16125), (327, 16140), (330, 16149), (332, 16161), (334, 16170), (351, 16263), (375, 16380), (376, 16383), (382, 16407), (383, 16410), (385, 16422), (397, 16476), (402, 16497), (406, 16518), (419, 16563), (429, 16590), (433, 16602), (484, 16743), (499, 16788), (503, 16803), (522, 16878), (526, 16887), (540, 16917), (548, 16932), (549, 16935), (558, 16953), (567, 16974), (568, 16977), (595, 17016), (596, 17019), (624, 17103), (648, 17169), (657, 17190), (673, 17229), (692, 17268), (700, 17289), (712, 17319), (713, 17322), (715, 17331), (719, 17355), (734, 17424), (738, 17445), (750, 17514), (757, 17532), (771, 17580), (775, 17592), (797, 17634), (800, 17646), (810, 17694), (848, 17865), (852, 17895), (860, 17925), (864, 17946), (889, 18081), (896, 18129),

Gene: PurpleHaze_27 Start: 16056, Stop: 19082, Start Num: 40

Candidate Starts for PurpleHaze_27:

(31, 16002), (Start: 40 @16056 has 81 MA's), (56, 16170), (66, 16236), (67, 16239), (73, 16248), (84, 16284), (94, 16335), (118, 16407), (139, 16479), (183, 16599), (185, 16602), (207, 16671), (219, 16716), (251, 16809), (257, 16818), (272, 16863), (281, 16902), (288, 16926), (292, 16938), (301, 16971), (305, 16989), (309, 17010), (320, 17058), (322, 17064), (327, 17079), (330, 17088), (332, 17100), (334, 17109), (351, 17202), (372, 17289), (375, 17319), (376, 17322), (383, 17349), (385, 17361), (397, 17415), (402, 17436), (408, 17466), (419, 17502), (470, 17628), (484, 17682), (499, 17727), (512, 17775), (522, 17817), (526, 17826), (540, 17856), (573, 17928), (577, 17934), (595, 17955), (596, 17958), (600, 17970), (638, 18087), (642, 18096), (673, 18168), (674, 18171), (692, 18207), (712, 18258), (713, 18261), (715, 18270), (750, 18453), (771, 18519), (775, 18531), (797, 18573), (811, 18636), (832, 18693), (841, 18762), (848, 18798), (864, 18879), (889, 19014), (891, 19026),

Gene: QTRlifeCrisis_24 Start: 16800, Stop: 19460, Start Num: 106

Candidate Starts for QTRlifeCrisis_24:

(Start: 106 @16800 has 199 MA's), (119, 16839), (141, 16902), (143, 16908), (Start: 151 @16932 has 22 MA's), (174, 16974), (308, 17283), (322, 17346), (334, 17391), (339, 17415), (353, 17490), (356, 17502), (394, 17676), (440, 17823), (555, 18153), (576, 18204), (586, 18231), (655, 18435), (695, 18549), (700, 18558), (708, 18579), (715, 18600), (734, 18699), (743, 18741), (744, 18744), (784, 18873), (810, 18957), (823, 19002), (872, 19284), (885, 19371), (892, 19410), (894, 19425),

Gene: Qobbit_27 Start: 17620, Stop: 20529, Start Num: 54

Candidate Starts for Qobbit_27:

(Start: 54 @17620 has 33 MA's), (56, 17632), (66, 17692), (110, 17851), (127, 17914), (148, 17977), (164, 18019), (185, 18076), (199, 18115), (253, 18286), (257, 18292), (262, 18307), (287, 18397), (288, 18400), (292, 18412), (304, 18454), (314, 18508), (334, 18583), (337, 18604), (338, 18607), (341, 18625), (353, 18688), (371, 18754), (375, 18793), (382, 18820), (385, 18835), (391, 18865), (397, 18889), (400, 18901), (402, 18910), (419, 18976), (433, 19015), (455, 19081), (472, 19108), (479, 19135), (511, 19246), (534, 19321), (558, 19366), (567, 19387), (577, 19408), (578, 19411), (595, 19429), (596, 19432), (606, 19459), (613, 19486), (633, 19540), (712, 19732), (716, 19747), (720, 19777), (731, 19828), (749, 19915), (751, 19924), (766, 19975), (797, 20038), (803, 20059), (810, 20095), (826, 20131), (827, 20137), (841, 20215), (846, 20242), (857, 20302), (872, 20371), (876, 20401), (882, 20428), (891, 20467), (897, 20509),

Gene: QueenB2_26 Start: 16665, Stop: 19202, Start Num: 103

Candidate Starts for QueenB2_26:

(Start: 103 @16665 has 89 MA's), (168, 16842), (170, 16845), (171, 16848), (240, 17010), (242, 17016), (249, 17037), (251, 17046), (261, 17067), (272, 17100), (279, 17133), (305, 17226), (315, 17274), (318, 17292), (330, 17325), (332, 17337), (333, 17340), (334, 17346), (337, 17367), (338, 17370), (375, 17556), (385, 17598), (386, 17607), (400, 17664), (402, 17673), (419, 17739), (433, 17778), (472, 17871), (477, 17889), (499, 17964), (526, 18063), (531, 18078), (534, 18084), (540, 18093), (548, 18108), (558, 18129), (567, 18150), (578, 18174), (596, 18195), (597, 18201), (609, 18234), (612, 18246), (614, 18255), (648, 18345), (673, 18405), (686, 18432), (712, 18495), (720, 18540), (749, 18678), (802, 18768), (806, 18777), (842, 18888), (847, 18918), (863, 19002),

Gene: QueenBeesly_26 Start: 16547, Stop: 19084, Start Num: 103

Candidate Starts for QueenBeesly_26:

(Start: 103 @16547 has 89 MA's), (168, 16724), (170, 16727), (171, 16730), (Start: 182 @16760 has 15 MA's), (242, 16898), (249, 16919), (251, 16928), (261, 16949), (272, 16982), (287, 17042), (292, 17057), (305, 17108), (315, 17156), (318, 17174), (330, 17207), (332, 17219), (333, 17222), (334, 17228), (337, 17249), (338, 17252), (354, 17339), (375, 17438), (385, 17480), (386, 17489), (388, 17498), (400, 17546), (402, 17555), (419, 17621), (433, 17660), (499, 17846), (503, 17861), (512, 17894), (526, 17945), (534, 17966), (542, 17981), (548, 17990), (556, 18005), (595, 18074), (648, 18227), (657, 18248), (712, 18377), (720, 18422), (725, 18434), (730, 18470), (802, 18650), (806, 18659), (842, 18770), (847, 18800), (863, 18884),

Gene: QuinnKiro_25 Start: 16043, Stop: 19081, Start Num: 39

Candidate Starts for QuinnKiro_25:

(Start: 39 @16043 has 32 MA's), (64, 16217), (67, 16229), (78, 16262), (139, 16469), (147, 16490), (183, 16589), (185, 16592), (251, 16802), (257, 16811), (261, 16823), (272, 16856), (288, 16919), (292, 16931), (301, 16964), (305, 16982), (309, 17003), (320, 17051), (322, 17057), (327, 17072), (330, 17081), (332, 17093), (334, 17102), (351, 17195), (375, 17312), (376, 17315), (383, 17342), (385, 17354), (397, 17408), (402, 17429), (419, 17495), (433, 17534), (484, 17675), (499, 17720), (522, 17810), (526, 17819), (540, 17849), (567, 17906), (573, 17921), (595, 17948), (596, 17951), (603, 17969), (638, 18080), (673, 18161), (699, 18218), (714, 18260), (734, 18356), (738, 18377), (742, 18401), (750, 18446), (757, 18464), (771, 18512), (775, 18524), (797, 18566), (800, 18578), (810, 18626), (848, 18797), (860, 18857), (862, 18869), (869, 18896), (872, 18917), (889, 19013), (896, 19061),

Gene: Quokka_24 Start: 15528, Stop: 18041, Start Num: 103

Candidate Starts for Quokka_24:

(Start: 103 @15528 has 89 MA's), (141, 15639), (168, 15705), (170, 15708), (171, 15711), (249, 15897), (251, 15906), (257, 15915), (292, 16035), (305, 16086), (316, 16143), (320, 16155), (324, 16161), (327, 16176), (332, 16197), (334, 16206), (343, 16254), (375, 16416), (383, 16446), (385, 16458), (394, 16497), (397, 16512), (402, 16533), (416, 16590), (419, 16599), (429, 16626), (470, 16725), (499, 16824), (503, 16839), (526, 16923), (534, 16944), (558, 16989), (595, 17052), (596, 17055), (612, 17106), (615, 17121), (673, 17265), (686, 17292), (712, 17355), (716, 17370), (720, 17400), (742, 17496), (759, 17562), (802, 17625), (857, 17820), (858, 17823), (863, 17844),

Gene: Rachaly_29 Start: 18265, Stop: 20793, Start Num: 103

Candidate Starts for Rachaly_29:

(Start: 103 @18265 has 89 MA's), (141, 18376), (145, 18388), (170, 18445), (171, 18448), (249, 18637), (251, 18646), (272, 18700), (304, 18817), (305, 18826), (309, 18847), (314, 18871), (332, 18937), (334, 18946), (337, 18967), (338, 18970), (375, 19156), (385, 19198), (402, 19273), (408, 19303), (419, 19339), (433, 19378), (499, 19564), (526, 19663), (534, 19684), (535, 19687), (548, 19708), (558, 19729), (572, 19762), (573, 19765), (595, 19792), (609, 19834), (615, 19861), (642, 19933), (648, 19945), (684, 20029), (686, 20032), (712, 20095), (720, 20140), (725, 20152), (742,

20236), (756, 20290), (806, 20374), (826, 20398), (847, 20515), (863, 20593),

Gene: Rahalelujah_25 Start: 15668, Stop: 18586, Start Num: 54

Candidate Starts for Rahalelujah_25:

(Start: 54 @15668 has 33 MA's), (56, 15680), (91, 15839), (102, 15881), (110, 15902), (148, 16028), (164, 16070), (183, 16124), (185, 16127), (223, 16253), (249, 16328), (251, 16337), (253, 16340), (259, 16352), (302, 16505), (305, 16517), (308, 16529), (309, 16538), (314, 16562), (318, 16583), (320, 16586), (327, 16607), (332, 16628), (334, 16637), (335, 16649), (345, 16697), (353, 16742), (375, 16847), (389, 16910), (396, 16940), (397, 16943), (402, 16964), (404, 16973), (406, 16985), (412, 17009), (419, 17030), (433, 17069), (499, 17255), (502, 17267), (511, 17300), (534, 17375), (540, 17384), (558, 17420), (567, 17441), (577, 17462), (578, 17465), (592, 17474), (595, 17483), (596, 17486), (606, 17513), (613, 17540), (634, 17600), (668, 17678), (712, 17786), (720, 17831), (731, 17882), (748, 17963), (749, 17969), (751, 17978), (766, 18029), (797, 18092), (803, 18113), (810, 18152), (827, 18194), (841, 18272), (846, 18299), (857, 18359), (863, 18383), (876, 18458), (891, 18524), (897, 18566),

Gene: Rajelicia_24 Start: 16599, Stop: 18599, Start Num: 106

Candidate Starts for Rajelicia_24:

(Start: 106 @16599 has 199 MA's), (119, 16638), (141, 16701), (Start: 151 @16731 has 22 MA's), (160, 16752), (231, 16812), (259, 16908), (271, 16947), (278, 16977), (282, 16989), (308, 17085), (314, 17118), (368, 17352), (424, 17577), (475, 17640), (527, 17742), (536, 17754), (583, 17832), (601, 17874), (632, 17928), (635, 17940), (639, 17955), (655, 17973), (661, 17985), (700, 18063), (715, 18093), (723, 18138), (734, 18189), (801, 18399), (836, 18549),

Gene: ReMo_28 Start: 15923, Stop: 18109, Start Num: 182

Candidate Starts for ReMo_28:

(Start: 115 @15746 has 1 MA's), (Start: 117 @15755 has 4 MA's), (Start: 182 @15923 has 15 MA's), (262, 16163), (263, 16169), (283, 16238), (299, 16295), (334, 16439), (341, 16481), (350, 16529), (351, 16532), (374, 16643), (377, 16661), (404, 16766), (417, 16814), (486, 16919), (515, 16979), (546, 17033), (564, 17069), (582, 17093), (591, 17102), (617, 17165), (627, 17186), (632, 17201), (639, 17225), (646, 17237), (677, 17291), (690, 17312), (701, 17342), (754, 17513), (760, 17534), (792, 17618), (864, 17921), (889, 18044), (891, 18056),

Gene: Reba_28 Start: 15722, Stop: 18748, Start Num: 40

Candidate Starts for Reba_28:

(31, 15668), (Start: 40 @15722 has 81 MA's), (56, 15836), (66, 15902), (67, 15905), (73, 15914), (84, 15950), (94, 16001), (118, 16073), (139, 16145), (183, 16265), (185, 16268), (207, 16337), (219, 16382), (251, 16475), (257, 16484), (272, 16529), (281, 16568), (288, 16592), (292, 16604), (301, 16637), (305, 16655), (309, 16676), (320, 16724), (322, 16730), (327, 16745), (330, 16754), (332, 16766), (334, 16775), (351, 16868), (372, 16955), (375, 16985), (376, 16988), (383, 17015), (385, 17027), (397, 17081), (402, 17102), (408, 17132), (419, 17168), (470, 17294), (484, 17348), (499, 17393), (512, 17441), (522, 17483), (526, 17492), (540, 17522), (573, 17594), (577, 17600), (595, 17621), (596, 17624), (600, 17636), (638, 17753), (642, 17762), (673, 17834), (674, 17837), (692, 17873), (712, 17924), (713, 17927), (715, 17936), (750, 18119), (771, 18185), (775, 18197), (797, 18239), (811, 18302), (832, 18359), (841, 18428), (848, 18464), (864, 18545), (889, 18680), (891, 18692),

Gene: Rebeuca_26 Start: 15880, Stop: 18621, Start Num: 101

Candidate Starts for Rebeuca_26:

(Start: 101 @15880 has 8 MA's), (Start: 162 @16057 has 10 MA's), (169, 16078), (193, 16135), (205, 16183), (211, 16204), (213, 16210), (218, 16234), (225, 16249), (236, 16279), (258, 16354), (261, 16363), (273, 16414), (274, 16417), (291, 16480), (294, 16495), (300, 16516), (302, 16525), (323, 16630), (332, 16672), (403, 17026), (482, 17194), (517, 17314), (530, 17359), (531, 17362), (532,

17365), (545, 17386), (547, 17389), (566, 17434), (614, 17542), (622, 17563), (628, 17575), (644, 17623), (659, 17656), (689, 17719), (715, 17797), (719, 17821), (734, 17896), (745, 17962), (750, 17986), (757, 18004), (776, 18070), (786, 18100), (798, 18124), (803, 18136), (807, 18151), (812, 18172), (818, 18184), (860, 18397), (868, 18433), (871, 18454), (872, 18457), (889, 18553), (896, 18601),

Gene: RedRock_29 Start: 18558, Stop: 21056, Start Num: 103

Candidate Starts for RedRock_29:

(Start: 103 @18558 has 89 MA's), (147, 18687), (165, 18726), (Start: 182 @18771 has 15 MA's), (242, 18873), (249, 18894), (257, 18912), (292, 19032), (305, 19083), (320, 19152), (322, 19158), (327, 19173), (330, 19182), (332, 19194), (334, 19203), (375, 19413), (382, 19440), (385, 19455), (397, 19509), (402, 19530), (419, 19596), (433, 19635), (454, 19698), (499, 19821), (503, 19836), (531, 19935), (540, 19950), (542, 19956), (548, 19965), (558, 19986), (567, 20007), (573, 20022), (578, 20031), (596, 20052), (597, 20058), (609, 20091), (615, 20118), (630, 20148), (633, 20160), (642, 20190), (648, 20202), (686, 20289), (700, 20322), (712, 20352), (718, 20385), (720, 20397), (799, 20616), (802, 20625), (806, 20634), (842, 20745), (847, 20775), (863, 20856), (891, 20997),

Gene: Refuge_29 Start: 18955, Stop: 22065, Start Num: 27

Candidate Starts for Refuge_29:

(6, 18709), (21, 18925), (Start: 27 @18955 has 5 MA's), (Start: 54 @19132 has 33 MA's), (56, 19144), (63, 19180), (127, 19411), (148, 19474), (164, 19516), (183, 19570), (185, 19573), (223, 19699), (249, 19774), (251, 19783), (253, 19786), (259, 19798), (272, 19837), (305, 19963), (314, 20008), (315, 20011), (318, 20029), (320, 20032), (327, 20053), (330, 20062), (334, 20083), (335, 20095), (345, 20143), (348, 20164), (350, 20173), (353, 20188), (387, 20350), (398, 20392), (402, 20410), (404, 20419), (406, 20431), (419, 20476), (431, 20509), (433, 20515), (454, 20578), (499, 20701), (530, 20812), (534, 20821), (535, 20824), (558, 20866), (566, 20881), (578, 20911), (595, 20929), (597, 20938), (600, 20944), (614, 20992), (615, 20998), (642, 21070), (673, 21142), (674, 21145), (700, 21202), (712, 21232), (715, 21244), (719, 21268), (720, 21277), (745, 21409), (750, 21433), (760, 21469), (764, 21478), (782, 21520), (797, 21553), (817, 21634), (820, 21643), (848, 21790), (856, 21838), (857, 21841), (863, 21865), (889, 21994), (891, 22006),

Gene: Relief_25 Start: 15883, Stop: 18483, Start Num: 104

Candidate Starts for Relief_25:

(Start: 104 @15883 has 113 MA's), (Start: 151 @16024 has 22 MA's), (Start: 162 @16042 has 10 MA's), (233, 16249), (245, 16288), (251, 16318), (284, 16435), (292, 16462), (308, 16525), (322, 16588), (334, 16633), (341, 16675), (357, 16759), (446, 17026), (474, 17077), (489, 17122), (519, 17200), (532, 17239), (614, 17407), (622, 17428), (632, 17452), (657, 17518), (683, 17572), (700, 17620), (719, 17686), (750, 17851), (757, 17869), (803, 17995), (856, 18247), (857, 18250), (860, 18259), (872, 18319), (889, 18415), (896, 18463),

Gene: Remus_28 Start: 15884, Stop: 18073, Start Num: 182

Candidate Starts for Remus_28:

(Start: 115 @15707 has 1 MA's), (Start: 117 @15716 has 4 MA's), (Start: 182 @15884 has 15 MA's), (262, 16127), (263, 16133), (283, 16202), (299, 16259), (334, 16403), (341, 16445), (350, 16493), (351, 16496), (374, 16607), (377, 16625), (404, 16730), (417, 16778), (486, 16883), (515, 16943), (546, 16997), (564, 17033), (582, 17057), (591, 17066), (617, 17129), (627, 17150), (632, 17165), (639, 17189), (646, 17201), (677, 17255), (690, 17276), (701, 17306), (754, 17477), (760, 17498), (792, 17582), (864, 17885), (889, 18008), (891, 18020),

Gene: ResDef_26 Start: 16043, Stop: 19081, Start Num: 39

Candidate Starts for ResDef_26:

(Start: 39 @16043 has 32 MA's), (64, 16217), (67, 16229), (78, 16262), (139, 16469), (147, 16490), (183, 16589), (185, 16592), (251, 16802), (261, 16823), (272, 16856), (288, 16919), (292, 16931),

(301, 16964), (305, 16982), (309, 17003), (320, 17051), (322, 17057), (327, 17072), (330, 17081), (332, 17093), (334, 17102), (351, 17195), (375, 17312), (376, 17315), (383, 17342), (385, 17354), (397, 17408), (402, 17429), (419, 17495), (433, 17534), (484, 17675), (499, 17720), (522, 17810), (526, 17819), (540, 17849), (567, 17906), (573, 17921), (595, 17948), (596, 17951), (603, 17969), (638, 18080), (673, 18161), (699, 18218), (714, 18260), (734, 18356), (738, 18377), (742, 18401), (750, 18446), (757, 18464), (771, 18512), (775, 18524), (797, 18566), (800, 18578), (810, 18626), (848, 18797), (860, 18857), (862, 18869), (869, 18896), (872, 18917), (889, 19013), (896, 19061),

Gene: Retro23_26 Start: 16689, Stop: 19232, Start Num: 103

Candidate Starts for Retro23_26:

(Start: 103 @16689 has 89 MA's), (168, 16866), (170, 16869), (171, 16872), (240, 17040), (242, 17046), (249, 17067), (251, 17076), (261, 17097), (272, 17130), (279, 17163), (305, 17256), (315, 17304), (318, 17322), (327, 17346), (330, 17355), (332, 17367), (333, 17370), (334, 17376), (337, 17397), (338, 17400), (354, 17487), (375, 17586), (385, 17628), (388, 17646), (394, 17667), (400, 17694), (402, 17703), (419, 17769), (433, 17808), (499, 17994), (503, 18009), (512, 18042), (526, 18093), (534, 18114), (542, 18129), (548, 18138), (556, 18153), (595, 18222), (648, 18375), (657, 18396), (712, 18525), (716, 18540), (720, 18570), (725, 18582), (730, 18618), (802, 18798), (806, 18807), (842, 18918), (847, 18948), (863, 19032),

Gene: RhynO_26 Start: 16026, Stop: 18581, Start Num: 162

Candidate Starts for RhynO_26:

(Start: 101 @15849 has 8 MA's), (Start: 162 @16026 has 10 MA's), (169, 16047), (193, 16104), (220, 16200), (225, 16209), (258, 16314), (266, 16341), (274, 16377), (294, 16455), (295, 16464), (302, 16485), (308, 16512), (323, 16590), (332, 16632), (364, 16797), (394, 16947), (396, 16959), (482, 17154), (517, 17274), (530, 17319), (531, 17322), (532, 17325), (545, 17346), (547, 17349), (566, 17394), (582, 17430), (597, 17448), (606, 17469), (614, 17502), (659, 17616), (689, 17679), (715, 17757), (719, 17781), (734, 17856), (745, 17922), (750, 17946), (757, 17964), (786, 18060), (798, 18084), (803, 18096), (807, 18111), (812, 18132), (818, 18144), (860, 18357), (868, 18393), (871, 18414), (872, 18417), (889, 18513), (896, 18561),

Gene: Rhynn_24 Start: 16407, Stop: 18887, Start Num: 106

Candidate Starts for Rhynn_24:

(Start: 106 @16407 has 199 MA's), (119, 16446), (141, 16509), (Start: 151 @16539 has 22 MA's), (174, 16581), (278, 16788), (284, 16806), (308, 16896), (322, 16959), (330, 16983), (332, 16995), (341, 17046), (451, 17430), (518, 17532), (529, 17571), (549, 17598), (559, 17622), (655, 17850), (693, 17952), (699, 17970), (700, 17973), (715, 18015), (734, 18114), (746, 18177), (814, 18396), (823, 18429), (872, 18711), (882, 18777), (885, 18798), (892, 18837), (894, 18852),

Gene: RidgeCB_24 Start: 16182, Stop: 18662, Start Num: 106

Candidate Starts for RidgeCB_24:

(Start: 106 @16182 has 199 MA's), (119, 16221), (141, 16284), (Start: 151 @16314 has 22 MA's), (174, 16356), (278, 16563), (284, 16581), (308, 16671), (322, 16734), (330, 16758), (332, 16770), (341, 16821), (451, 17205), (518, 17307), (529, 17346), (549, 17373), (559, 17397), (619, 17526), (655, 17625), (693, 17727), (700, 17748), (705, 17760), (715, 17790), (734, 17889), (746, 17952), (814, 18171), (823, 18204), (872, 18486), (878, 18528), (885, 18573), (892, 18612), (894, 18627),

Gene: Rifter_29 Start: 16706, Stop: 18922, Start Num: 124

Candidate Starts for Rifter_29:

(98, 16661), (Start: 124 @16706 has 42 MA's), (166, 16817), (168, 16823), (217, 16973), (263, 17120), (267, 17132), (307, 17279), (308, 17282), (314, 17315), (336, 17405), (349, 17474), (368, 17549), (404, 17717), (599, 17975), (628, 18020), (701, 18128), (734, 18191), (743, 18233), (770, 18332), (776, 18353), (792, 18395), (806, 18446), (813, 18473), (835, 18554), (847, 18644),

Gene: Ringer_24 Start: 16730, Stop: 19561, Start Num: 107

Candidate Starts for Ringer_24:

(Start: 107 @16730 has 8 MA's), (112, 16745), (250, 17042), (256, 17057), (271, 17102), (298, 17222), (303, 17240), (310, 17288), (319, 17333), (332, 17378), (333, 17381), (341, 17429), (378, 17612), (385, 17639), (405, 17723), (420, 17780), (428, 17798), (441, 17843), (456, 17879), (479, 17939), (491, 17987), (510, 18050), (512, 18053), (550, 18170), (565, 18206), (574, 18233), (581, 18245), (585, 18263), (589, 18278), (611, 18341), (653, 18470), (667, 18515), (677, 18548), (683, 18560), (722, 18689), (740, 18785), (758, 18872), (759, 18875), (765, 18893), (821, 19097), (852, 19274), (872, 19385), (885, 19472), (892, 19511), (896, 19541),

Gene: Roary_22 Start: 14513, Stop: 17590, Start Num: 9

Candidate Starts for Roary_22:

(Start: 9 @14513 has 11 MA's), (16, 14597), (37, 14765), (42, 14789), (76, 14837), (111, 14957), (130, 15029), (187, 15179), (189, 15182), (191, 15188), (245, 15374), (262, 15434), (263, 15440), (282, 15506), (290, 15533), (293, 15548), (307, 15599), (308, 15602), (314, 15635), (322, 15668), (359, 15836), (396, 16019), (404, 16043), (414, 16091), (423, 16112), (425, 16115), (486, 16259), (514, 16316), (531, 16346), (557, 16385), (593, 16457), (609, 16487), (640, 16586), (653, 16616), (677, 16661), (734, 16859), (739, 16880), (742, 16892), (760, 16973), (770, 17000), (792, 17063), (799, 17087), (807, 17117), (816, 17150), (826, 17183), (839, 17243), (843, 17270), (863, 17369), (864, 17375), (880, 17465), (883, 17486), (890, 17525), (900, 17573),

Gene: Rockstar_25 Start: 15416, Stop: 18460, Start Num: 39

Candidate Starts for Rockstar_25:

(Start: 39 @15416 has 32 MA's), (64, 15590), (67, 15602), (139, 15845), (183, 15965), (185, 15968), (254, 16190), (272, 16235), (292, 16310), (301, 16343), (305, 16361), (308, 16373), (325, 16439), (332, 16472), (334, 16481), (341, 16523), (351, 16574), (375, 16691), (385, 16733), (397, 16787), (402, 16808), (416, 16865), (419, 16874), (470, 17000), (472, 17006), (479, 17033), (499, 17099), (503, 17114), (511, 17144), (512, 17147), (526, 17198), (530, 17210), (541, 17231), (548, 17243), (558, 17264), (573, 17300), (595, 17327), (607, 17360), (610, 17372), (624, 17414), (648, 17480), (673, 17540), (692, 17579), (712, 17630), (713, 17633), (715, 17642), (719, 17666), (734, 17735), (738, 17756), (750, 17825), (757, 17843), (771, 17891), (775, 17903), (797, 17945), (800, 17957), (810, 18005), (848, 18176), (860, 18236), (864, 18257), (889, 18392), (891, 18404), (896, 18440),

Gene: Rohr_25 Start: 16604, Stop: 19084, Start Num: 106

Candidate Starts for Rohr_25:

(Start: 106 @16604 has 199 MA's), (119, 16643), (141, 16706), (Start: 151 @16736 has 22 MA's), (174, 16778), (278, 16985), (284, 17003), (308, 17093), (322, 17156), (330, 17180), (332, 17192), (341, 17243), (451, 17627), (518, 17729), (529, 17768), (542, 17783), (549, 17795), (559, 17819), (619, 17948), (655, 18047), (693, 18149), (700, 18170), (715, 18212), (734, 18311), (746, 18374), (772, 18464), (814, 18593), (823, 18626), (872, 18908), (882, 18974), (885, 18995), (892, 19034), (894, 19049),

Gene: Roksolana_29 Start: 16734, Stop: 18950, Start Num: 124

Candidate Starts for Roksolana_29:

(98, 16689), (Start: 124 @16734 has 42 MA's), (166, 16845), (217, 17001), (263, 17148), (267, 17160), (307, 17307), (308, 17310), (314, 17343), (336, 17433), (349, 17502), (368, 17577), (404, 17745), (599, 18003), (628, 18048), (701, 18156), (734, 18219), (743, 18261), (770, 18360), (776, 18381), (792, 18423), (806, 18474), (813, 18501), (835, 18582), (847, 18672),

Gene: Romney_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Romney_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322,

16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (530, 17235), (532, 17241), (582, 17337), (595, 17346), (614, 17409), (622, 17430), (632, 17454), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Roosevelt_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Roosevelt_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (530, 17235), (532, 17241), (582, 17337), (595, 17346), (614, 17409), (622, 17430), (633, 17457), (655, 17514), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Rosa24_24 Start: 16016, Stop: 18457, Start Num: 162

Candidate Starts for Rosa24_24:

(Start: 104 @15857 has 113 MA's), (Start: 151 @15998 has 22 MA's), (Start: 162 @16016 has 10 MA's), (214, 16172), (233, 16223), (245, 16262), (251, 16292), (284, 16409), (292, 16436), (308, 16499), (322, 16562), (334, 16607), (341, 16649), (357, 16733), (446, 17000), (474, 17051), (489, 17096), (519, 17174), (530, 17207), (532, 17213), (597, 17327), (614, 17381), (632, 17426), (655, 17486), (683, 17546), (719, 17660), (750, 17825), (757, 17843), (803, 17969), (856, 18221), (857, 18224), (860, 18233), (871, 18290), (872, 18293), (880, 18338), (889, 18389), (896, 18437),

Gene: Rosalind_28 Start: 16045, Stop: 18231, Start Num: 182

Candidate Starts for Rosalind_28:

(Start: 115 @15868 has 1 MA's), (Start: 117 @15877 has 4 MA's), (Start: 182 @16045 has 15 MA's), (262, 16285), (263, 16291), (283, 16360), (299, 16417), (334, 16561), (341, 16603), (350, 16651), (351, 16654), (374, 16765), (377, 16783), (404, 16888), (417, 16936), (486, 17041), (515, 17101), (546, 17155), (564, 17191), (582, 17215), (591, 17224), (617, 17287), (627, 17308), (632, 17323), (639, 17347), (646, 17359), (677, 17413), (690, 17434), (701, 17464), (754, 17635), (760, 17656), (792, 17740), (864, 18043), (889, 18166), (891, 18178),

Gene: Rowdy_29 Start: 15937, Stop: 18492, Start Num: 162

Candidate Starts for Rowdy_29:

(Start: 101 @15760 has 8 MA's), (Start: 162 @15937 has 10 MA's), (169, 15958), (193, 16015), (220, 16111), (225, 16120), (258, 16225), (266, 16252), (274, 16288), (294, 16366), (295, 16375), (302, 16396), (308, 16423), (323, 16501), (332, 16543), (364, 16708), (394, 16858), (396, 16870), (482, 17065), (517, 17185), (530, 17230), (531, 17233), (532, 17236), (545, 17257), (547, 17260), (566, 17305), (582, 17341), (597, 17359), (606, 17380), (614, 17413), (659, 17527), (689, 17590), (715, 17668), (719, 17692), (734, 17767), (745, 17833), (750, 17857), (757, 17875), (786, 17971), (798, 17995), (803, 18007), (807, 18022), (812, 18043), (818, 18055), (860, 18268), (868, 18304), (871, 18325), (872, 18328), (889, 18424), (896, 18472),

Gene: Rubeus_25 Start: 16439, Stop: 18922, Start Num: 106

Candidate Starts for Rubeus_25:

(Start: 106 @16439 has 199 MA's), (119, 16478), (141, 16541), (Start: 151 @16571 has 22 MA's), (160, 16592), (174, 16613), (186, 16643), (236, 16667), (255, 16733), (308, 16931), (314, 16964), (332, 17030), (381, 17285), (385, 17306), (390, 17333), (467, 17492), (490, 17528), (542, 17621), (552, 17642), (583, 17699), (630, 17819), (639, 17855), (655, 17885), (666, 17921), (693, 17987), (700, 18008), (715, 18050), (734, 18149), (746, 18212), (772, 18302), (814, 18431), (823, 18464), (872, 18746), (882, 18812), (885, 18833), (892, 18872), (896, 18902),

Gene: Rufus_25 Start: 16775, Stop: 19246, Start Num: 106

Candidate Starts for Rufus_25:

(Start: 106 @16775 has 199 MA's), (119, 16814), (141, 16877), (Start: 151 @16907 has 22 MA's), (160, 16928), (174, 16949), (178, 16961), (186, 16979), (255, 17069), (308, 17267), (314, 17300), (332, 17366), (381, 17621), (385, 17642), (390, 17669), (467, 17828), (490, 17864), (542, 17957), (552, 17978), (583, 18035), (630, 18155), (639, 18191), (655, 18221), (666, 18257), (693, 18323), (700, 18344), (734, 18485), (769, 18626), (778, 18647), (822, 18782), (852, 18959), (872, 19070), (882, 19136), (885, 19157), (892, 19196), (894, 19211),

Gene: Ruin_25 Start: 15881, Stop: 18481, Start Num: 104

Candidate Starts for Ruin_25:

(Start: 104 @15881 has 113 MA's), (Start: 151 @16022 has 22 MA's), (233, 16247), (245, 16286), (251, 16316), (284, 16433), (292, 16460), (308, 16523), (322, 16586), (334, 16631), (341, 16673), (357, 16757), (446, 17024), (474, 17075), (489, 17120), (519, 17198), (532, 17237), (614, 17405), (622, 17426), (632, 17450), (657, 17516), (683, 17570), (700, 17618), (719, 17684), (750, 17849), (757, 17867), (803, 17993), (856, 18245), (857, 18248), (860, 18257), (872, 18317), (889, 18413), (896, 18461),

Gene: Rummer_27 Start: 16063, Stop: 19089, Start Num: 40

Candidate Starts for Rummer_27:

(31, 16009), (Start: 40 @16063 has 81 MA's), (56, 16177), (66, 16243), (67, 16246), (73, 16255), (84, 16291), (94, 16342), (118, 16414), (139, 16486), (183, 16606), (185, 16609), (207, 16678), (219, 16723), (251, 16816), (257, 16825), (263, 16843), (272, 16870), (288, 16933), (292, 16945), (301, 16978), (305, 16996), (318, 17062), (320, 17065), (322, 17071), (327, 17086), (330, 17095), (332, 17107), (334, 17116), (347, 17194), (351, 17209), (375, 17326), (376, 17329), (383, 17356), (385, 17368), (397, 17422), (402, 17443), (419, 17509), (433, 17548), (472, 17641), (484, 17689), (499, 17734), (512, 17782), (522, 17824), (526, 17833), (540, 17863), (541, 17866), (548, 17878), (573, 17935), (577, 17941), (595, 17962), (596, 17965), (642, 18103), (648, 18115), (673, 18175), (699, 18232), (734, 18370), (738, 18391), (742, 18415), (750, 18460), (757, 18478), (771, 18526), (775, 18538), (797, 18580), (811, 18643), (832, 18700), (841, 18769), (848, 18805), (856, 18853), (864, 18886), (889, 19021),

Gene: Ruotula_23 Start: 16616, Stop: 19450, Start Num: 106

Candidate Starts for Ruotula_23:

(Start: 106 @16616 has 199 MA's), (128, 16688), (250, 16931), (256, 16946), (271, 16991), (298, 17111), (303, 17129), (310, 17177), (319, 17222), (332, 17267), (333, 17270), (341, 17318), (378, 17501), (385, 17528), (405, 17612), (420, 17669), (428, 17687), (441, 17732), (456, 17768), (475, 17810), (479, 17828), (491, 17876), (510, 17939), (512, 17942), (550, 18059), (565, 18095), (574, 18122), (581, 18134), (585, 18152), (589, 18167), (611, 18230), (653, 18359), (667, 18404), (677, 18437), (683, 18449), (729, 18623), (740, 18674), (758, 18761), (759, 18764), (765, 18782), (821, 18986), (852, 19163), (872, 19274), (885, 19361), (892, 19400), (894, 19415),

Gene: Rutherferd_26 Start: 17013, Stop: 19493, Start Num: 106

Candidate Starts for Rutherferd_26:

(Start: 106 @17013 has 199 MA's), (119, 17052), (141, 17115), (Start: 151 @17145 has 22 MA's), (174, 17187), (278, 17394), (284, 17412), (308, 17502), (322, 17565), (330, 17589), (332, 17601), (341, 17652), (451, 18036), (518, 18138), (529, 18177), (549, 18204), (559, 18228), (655, 18456), (693, 18558), (700, 18579), (705, 18591), (715, 18621), (733, 18717), (734, 18720), (746, 18783), (814, 19002), (823, 19035), (872, 19317), (885, 19404), (892, 19443), (894, 19458),

Gene: RyeScarlet_28 Start: 17594, Stop: 20503, Start Num: 54

Candidate Starts for RyeScarlet_28:

(Start: 54 @17594 has 33 MA's), (56, 17606), (66, 17666), (110, 17825), (127, 17888), (148, 17951), (164, 17993), (185, 18050), (199, 18089), (253, 18260), (257, 18266), (262, 18281), (287, 18371), (288, 18374), (292, 18386), (304, 18428), (314, 18482), (334, 18557), (337, 18578), (338, 18581), (341, 18599), (353, 18662), (371, 18728), (375, 18767), (382, 18794), (385, 18809), (391, 18839), (397, 18863), (402, 18884), (419, 18950), (433, 18989), (455, 19055), (472, 19082), (479, 19109), (499, 19175), (511, 19220), (534, 19295), (558, 19340), (567, 19361), (577, 19382), (578, 19385), (595, 19403), (596, 19406), (606, 19433), (613, 19460), (633, 19514), (712, 19706), (716, 19721), (720, 19751), (731, 19802), (749, 19889), (751, 19898), (766, 19949), (797, 20012), (803, 20033), (810, 20069), (826, 20105), (827, 20111), (841, 20189), (846, 20216), (857, 20276), (872, 20345), (876, 20375), (882, 20402), (891, 20441), (897, 20483),

Gene: STLscum_25 Start: 16819, Stop: 19653, Start Num: 106

Candidate Starts for STLscum_25:

(Start: 106 @16819 has 199 MA's), (128, 16891), (250, 17134), (256, 17149), (271, 17194), (298, 17314), (303, 17332), (319, 17425), (332, 17470), (333, 17473), (341, 17521), (378, 17704), (385, 17731), (405, 17815), (420, 17872), (428, 17890), (432, 17899), (456, 17971), (466, 17989), (479, 18031), (480, 18034), (491, 18079), (510, 18142), (512, 18145), (550, 18262), (565, 18298), (574, 18325), (581, 18337), (585, 18355), (589, 18370), (611, 18433), (653, 18562), (667, 18607), (677, 18640), (683, 18652), (717, 18751), (729, 18826), (740, 18877), (758, 18964), (759, 18967), (765, 18985), (821, 19189), (852, 19366), (872, 19477), (878, 19519), (885, 19564), (892, 19603), (894, 19618),

Gene: Sabertooth_25 Start: 15882, Stop: 18482, Start Num: 104

Candidate Starts for Sabertooth_25:

(Start: 104 @15882 has 113 MA's), (Start: 151 @16023 has 22 MA's), (Start: 162 @16041 has 10 MA's), (233, 16248), (245, 16287), (251, 16317), (284, 16434), (292, 16461), (308, 16524), (322, 16587), (334, 16632), (341, 16674), (357, 16758), (446, 17025), (474, 17076), (489, 17121), (519, 17199), (532, 17238), (545, 17259), (614, 17406), (622, 17427), (632, 17451), (655, 17511), (657, 17517), (659, 17520), (683, 17571), (700, 17619), (719, 17685), (750, 17850), (757, 17868), (803, 17994), (856, 18246), (857, 18249), (860, 18258), (872, 18318), (889, 18414), (896, 18462),

Gene: Sabia_27 Start: 15972, Stop: 18998, Start Num: 40

Candidate Starts for Sabia_27:

(31, 15918), (Start: 40 @15972 has 81 MA's), (56, 16086), (66, 16152), (67, 16155), (73, 16164), (84, 16200), (94, 16251), (118, 16323), (139, 16395), (183, 16515), (185, 16518), (207, 16587), (219, 16632), (251, 16725), (257, 16734), (263, 16752), (272, 16779), (288, 16842), (292, 16854), (301, 16887), (305, 16905), (318, 16971), (320, 16974), (322, 16980), (327, 16995), (330, 17004), (332, 17016), (334, 17025), (351, 17118), (375, 17235), (376, 17238), (383, 17265), (385, 17277), (397, 17331), (402, 17352), (419, 17418), (429, 17445), (472, 17550), (484, 17598), (499, 17643), (512, 17691), (522, 17733), (526, 17742), (540, 17772), (541, 17775), (548, 17787), (573, 17844), (577, 17850), (595, 17871), (596, 17874), (642, 18012), (648, 18024), (673, 18084), (700, 18144), (712, 18174), (713, 18177), (715, 18186), (734, 18279), (750, 18369), (771, 18435), (775, 18447), (797, 18489), (811, 18552), (832, 18609), (841, 18678), (848, 18714), (864, 18795), (889, 18930),

Gene: Sabinator_27 Start: 15977, Stop: 19003, Start Num: 40

Candidate Starts for Sabinator_27:

(31, 15923), (Start: 40 @15977 has 81 MA's), (56, 16091), (66, 16157), (67, 16160), (73, 16169), (84, 16205), (94, 16256), (118, 16328), (139, 16400), (183, 16520), (185, 16523), (207, 16592), (219, 16637), (251, 16730), (257, 16739), (263, 16757), (272, 16784), (288, 16847), (292, 16859), (301, 16892), (305, 16910), (318, 16976), (320, 16979), (322, 16985), (327, 17000), (330, 17009), (332, 17021), (334, 17030), (347, 17108), (351, 17123), (375, 17240), (376, 17243), (383, 17270), (385, 17282), (397, 17336), (402, 17357), (419, 17423), (433, 17462), (472, 17555), (484, 17603), (499, 17648), (512, 17696), (522, 17738), (526, 17747), (540, 17777), (541, 17780), (548, 17792), (573,

17849), (577, 17855), (595, 17876), (596, 17879), (642, 18017), (648, 18029), (673, 18089), (699, 18146), (734, 18284), (738, 18305), (742, 18329), (750, 18374), (757, 18392), (771, 18440), (775, 18452), (797, 18494), (811, 18557), (832, 18614), (841, 18683), (848, 18719), (864, 18800), (889, 18935),

Gene: Sachima_25 Start: 17590, Stop: 20499, Start Num: 54

Candidate Starts for Sachima_25:

(Start: 54 @17590 has 33 MA's), (56, 17602), (66, 17662), (127, 17884), (148, 17947), (164, 17989), (185, 18046), (199, 18085), (253, 18256), (257, 18262), (262, 18277), (287, 18367), (288, 18370), (292, 18382), (304, 18424), (314, 18478), (334, 18553), (337, 18574), (338, 18577), (341, 18595), (353, 18658), (371, 18724), (375, 18763), (382, 18790), (385, 18805), (391, 18835), (397, 18859), (402, 18880), (419, 18946), (433, 18985), (455, 19051), (472, 19078), (479, 19105), (499, 19171), (511, 19216), (534, 19291), (558, 19336), (567, 19357), (577, 19378), (578, 19381), (595, 19399), (596, 19402), (606, 19429), (613, 19456), (633, 19510), (712, 19702), (716, 19717), (720, 19747), (731, 19798), (749, 19885), (751, 19894), (766, 19945), (797, 20008), (803, 20029), (810, 20065), (826, 20101), (827, 20107), (841, 20185), (846, 20212), (857, 20272), (872, 20341), (876, 20371), (882, 20398), (891, 20437), (897, 20479),

Gene: Sagefire_25 Start: 17215, Stop: 19686, Start Num: 106

Candidate Starts for Sagefire_25:

(Start: 106 @17215 has 199 MA's), (119, 17254), (141, 17317), (Start: 151 @17347 has 22 MA's), (160, 17368), (174, 17389), (178, 17401), (186, 17419), (255, 17509), (308, 17707), (314, 17740), (332, 17806), (381, 18061), (385, 18082), (390, 18109), (467, 18268), (490, 18304), (542, 18397), (552, 18418), (583, 18475), (630, 18595), (639, 18631), (655, 18661), (666, 18697), (693, 18763), (700, 18784), (734, 18925), (769, 19066), (778, 19087), (822, 19222), (852, 19399), (872, 19510), (878, 19552), (885, 19597), (892, 19636), (894, 19651),

Gene: Saintus_22 Start: 14528, Stop: 17605, Start Num: 9

Candidate Starts for Saintus_22:

(Start: 9 @14528 has 11 MA's), (16, 14612), (37, 14780), (42, 14804), (76, 14852), (111, 14972), (130, 15044), (187, 15194), (189, 15197), (191, 15203), (245, 15389), (262, 15449), (263, 15455), (282, 15521), (290, 15548), (293, 15563), (307, 15614), (308, 15617), (322, 15683), (359, 15851), (390, 16010), (396, 16034), (404, 16058), (414, 16106), (423, 16127), (425, 16130), (486, 16274), (514, 16331), (531, 16361), (557, 16400), (593, 16472), (609, 16502), (640, 16601), (653, 16631), (677, 16676), (734, 16874), (739, 16895), (742, 16907), (760, 16988), (770, 17015), (783, 17057), (792, 17078), (799, 17102), (807, 17132), (816, 17165), (826, 17198), (839, 17258), (843, 17285), (863, 17384), (880, 17480), (883, 17501), (890, 17540), (900, 17588),

Gene: Salz_26 Start: 17154, Stop: 19700, Start Num: 113

Candidate Starts for Salz_26:

(Start: 113 @17154 has 22 MA's), (Start: 120 @17172 has 2 MA's), (186, 17346), (194, 17355), (217, 17430), (245, 17484), (260, 17538), (264, 17553), (265, 17556), (272, 17574), (288, 17637), (292, 17649), (308, 17712), (322, 17775), (327, 17790), (330, 17799), (334, 17820), (338, 17844), (341, 17859), (359, 17946), (361, 17949), (366, 17964), (370, 17985), (372, 17997), (381, 18063), (396, 18135), (404, 18159), (436, 18240), (439, 18249), (443, 18261), (466, 18303), (497, 18360), (515, 18414), (560, 18522), (575, 18561), (628, 18702), (674, 18798), (681, 18819), (694, 18852), (711, 18885), (713, 18888), (733, 18972), (743, 19017), (744, 19020), (772, 19134), (783, 19167), (806, 19239), (816, 19275), (835, 19347), (847, 19425), (857, 19479), (863, 19503), (886, 19614),

Gene: Sandaddy_23 Start: 16328, Stop: 18799, Start Num: 106

Candidate Starts for Sandaddy_23:

(Start: 106 @16328 has 199 MA's), (119, 16367), (141, 16430), (Start: 151 @16460 has 22 MA's), (160, 16481), (174, 16502), (178, 16514), (186, 16532), (255, 16622), (308, 16820), (314, 16853),

(332, 16919), (381, 17174), (385, 17195), (390, 17222), (467, 17381), (490, 17417), (542, 17510), (552, 17531), (583, 17588), (630, 17708), (639, 17744), (655, 17774), (666, 17810), (693, 17876), (700, 17897), (734, 18038), (769, 18179), (778, 18200), (852, 18512), (872, 18623), (878, 18665), (885, 18710), (892, 18749), (894, 18764),

Gene: Sanya_23 Start: 16990, Stop: 19461, Start Num: 106

Candidate Starts for Sanya_23:

(Start: 106 @16990 has 199 MA's), (119, 17029), (141, 17092), (Start: 151 @17122 has 22 MA's), (160, 17143), (174, 17164), (178, 17176), (186, 17194), (255, 17284), (308, 17482), (314, 17515), (332, 17581), (381, 17836), (385, 17857), (390, 17884), (467, 18043), (490, 18079), (542, 18172), (552, 18193), (583, 18250), (630, 18370), (639, 18406), (655, 18436), (666, 18472), (693, 18538), (700, 18559), (734, 18700), (769, 18841), (778, 18862), (822, 18997), (852, 19174), (872, 19285), (882, 19351), (885, 19372), (892, 19411), (894, 19426),

Gene: SarFire_24 Start: 16468, Stop: 18939, Start Num: 106

Candidate Starts for SarFire_24:

(Start: 106 @16468 has 199 MA's), (119, 16507), (141, 16570), (Start: 151 @16600 has 22 MA's), (160, 16621), (174, 16642), (186, 16672), (236, 16696), (243, 16717), (255, 16762), (308, 16960), (314, 16993), (332, 17059), (381, 17314), (385, 17335), (390, 17362), (395, 17377), (402, 17401), (440, 17488), (467, 17521), (490, 17557), (542, 17650), (552, 17671), (559, 17686), (569, 17707), (571, 17710), (606, 17779), (616, 17815), (630, 17848), (639, 17884), (655, 17914), (666, 17950), (693, 18016), (700, 18037), (734, 18178), (769, 18319), (778, 18340), (822, 18475), (839, 18571), (852, 18652), (872, 18763), (885, 18850), (892, 18889), (894, 18904),

Gene: SaturnRing_25 Start: 15495, Stop: 18530, Start Num: 39

Candidate Starts for SaturnRing_25:

(Start: 39 @15495 has 32 MA's), (64, 15669), (67, 15681), (78, 15714), (139, 15924), (183, 16044), (185, 16047), (251, 16251), (261, 16272), (270, 16302), (272, 16305), (288, 16368), (292, 16380), (301, 16413), (305, 16431), (320, 16500), (322, 16506), (327, 16521), (330, 16530), (332, 16542), (334, 16551), (351, 16644), (375, 16761), (376, 16764), (382, 16788), (383, 16791), (385, 16803), (397, 16857), (402, 16878), (406, 16899), (419, 16944), (429, 16971), (433, 16983), (484, 17124), (499, 17169), (503, 17184), (522, 17259), (526, 17268), (540, 17298), (548, 17313), (549, 17316), (558, 17334), (567, 17355), (568, 17358), (595, 17397), (596, 17400), (624, 17484), (648, 17550), (657, 17571), (673, 17610), (692, 17649), (700, 17670), (712, 17700), (713, 17703), (715, 17712), (719, 17736), (734, 17805), (738, 17826), (750, 17895), (757, 17913), (771, 17961), (775, 17973), (797, 18015), (800, 18027), (810, 18075), (848, 18246), (852, 18276), (860, 18306), (864, 18327), (889, 18462), (896, 18510),

Gene: Scamp_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Scamp_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (655, 17514), (657, 17520), (659, 17523), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Scherzo_27 Start: 17623, Stop: 20532, Start Num: 54

Candidate Starts for Scherzo_27:

(Start: 54 @17623 has 33 MA's), (56, 17635), (66, 17695), (127, 17917), (148, 17980), (164, 18022), (185, 18079), (199, 18118), (253, 18289), (257, 18295), (262, 18310), (287, 18400), (288, 18403), (292, 18415), (304, 18457), (314, 18511), (334, 18586), (337, 18607), (338, 18610), (341, 18628), (353, 18691), (371, 18757), (375, 18796), (382, 18823), (385, 18838), (391, 18868), (397, 18892),

(402, 18913), (419, 18979), (433, 19018), (455, 19084), (472, 19111), (479, 19138), (499, 19204), (511, 19249), (534, 19324), (558, 19369), (567, 19390), (577, 19411), (578, 19414), (595, 19432), (596, 19435), (606, 19462), (613, 19489), (633, 19543), (712, 19735), (716, 19750), (720, 19780), (731, 19831), (749, 19918), (751, 19927), (766, 19978), (797, 20041), (803, 20062), (810, 20098), (826, 20134), (827, 20140), (841, 20218), (846, 20245), (857, 20305), (872, 20374), (876, 20404), (882, 20431), (891, 20470), (897, 20512),

Gene: Scorpia_23 Start: 15062, Stop: 17875, Start Num: 2

Candidate Starts for Scorpia_23:

(Start: 2 @15062 has 8 MA's), (10, 15251), (84, 15599), (122, 15734), (123, 15740), (202, 15833), (222, 15884), (239, 15920), (266, 16010), (282, 16076), (288, 16097), (308, 16172), (314, 16205), (330, 16259), (335, 16292), (336, 16295), (338, 16304), (357, 16403), (368, 16436), (389, 16565), (418, 16679), (448, 16730), (496, 16796), (568, 16889), (590, 16922), (645, 17009), (672, 17042), (683, 17054), (706, 17084), (734, 17147), (743, 17189), (760, 17261), (770, 17288), (773, 17303), (783, 17330), (792, 17351), (816, 17438), (825, 17468), (826, 17471), (839, 17531), (856, 17630), (860, 17642), (862, 17654), (864, 17663), (886, 17792), (889, 17810),

Gene: Scout_25 Start: 14795, Stop: 17833, Start Num: 39

Candidate Starts for Scout_25:

(Start: 39 @14795 has 32 MA's), (64, 14969), (67, 14981), (78, 15014), (139, 15224), (185, 15347), (195, 15368), (251, 15554), (261, 15575), (272, 15608), (288, 15671), (292, 15683), (301, 15716), (305, 15734), (320, 15803), (322, 15809), (327, 15824), (330, 15833), (332, 15845), (334, 15854), (351, 15947), (375, 16064), (376, 16067), (383, 16094), (385, 16106), (397, 16160), (402, 16181), (406, 16202), (419, 16247), (433, 16286), (472, 16379), (484, 16427), (499, 16472), (503, 16487), (522, 16562), (526, 16571), (540, 16601), (548, 16616), (573, 16673), (595, 16700), (596, 16703), (604, 16724), (648, 16853), (657, 16874), (673, 16913), (692, 16952), (700, 16973), (712, 17003), (713, 17006), (715, 17015), (719, 17039), (734, 17108), (738, 17129), (750, 17198), (757, 17216), (771, 17264), (775, 17276), (797, 17318), (800, 17330), (810, 17378), (848, 17549), (852, 17579), (860, 17609), (864, 17630), (889, 17765), (891, 17777), (896, 17813),

Gene: Scowl_25 Start: 16861, Stop: 19521, Start Num: 106

Candidate Starts for Scowl_25:

(Start: 106 @16861 has 199 MA's), (119, 16900), (141, 16963), (143, 16969), (Start: 151 @16993 has 22 MA's), (174, 17035), (308, 17344), (322, 17407), (334, 17452), (339, 17476), (353, 17551), (356, 17563), (440, 17884), (555, 18214), (576, 18265), (586, 18292), (655, 18496), (695, 18610), (700, 18619), (708, 18640), (715, 18661), (734, 18760), (743, 18802), (744, 18805), (784, 18934), (810, 19018), (823, 19063), (872, 19345), (878, 19387), (881, 19405), (885, 19432), (892, 19471), (894, 19486),

Gene: Seabiscuit_26 Start: 16399, Stop: 18867, Start Num: 106

Candidate Starts for Seabiscuit_26:

(Start: 106 @16399 has 199 MA's), (112, 16414), (Start: 151 @16528 has 22 MA's), (160, 16549), (174, 16570), (186, 16600), (236, 16624), (243, 16645), (255, 16690), (308, 16888), (314, 16921), (332, 16987), (381, 17242), (385, 17263), (390, 17290), (467, 17449), (490, 17485), (542, 17578), (552, 17599), (559, 17614), (569, 17635), (571, 17638), (606, 17707), (616, 17743), (630, 17776), (639, 17812), (655, 17842), (666, 17878), (693, 17944), (700, 17965), (715, 18007), (734, 18106), (769, 18247), (778, 18268), (822, 18403), (852, 18580), (872, 18691), (885, 18778), (892, 18817), (896, 18847),

Gene: Seanderson_25 Start: 16848, Stop: 19319, Start Num: 106

Candidate Starts for Seanderson_25:

(Start: 106 @16848 has 199 MA's), (119, 16887), (141, 16950), (Start: 151 @16980 has 22 MA's), (160, 17001), (174, 17022), (186, 17052), (236, 17076), (255, 17142), (308, 17340), (314, 17373),

(332, 17439), (381, 17694), (385, 17715), (390, 17742), (402, 17781), (423, 17838), (440, 17868), (542, 18030), (552, 18051), (583, 18108), (630, 18228), (639, 18264), (655, 18294), (666, 18330), (693, 18396), (700, 18417), (734, 18558), (769, 18699), (778, 18720), (822, 18855), (852, 19032), (872, 19143), (882, 19209), (885, 19230), (892, 19269), (894, 19284),

Gene: SemperFi_28 Start: 16964, Stop: 19501, Start Num: 103

Candidate Starts for SemperFi_28:

(Start: 103 @16964 has 89 MA's), (168, 17141), (170, 17144), (171, 17147), (Start: 182 @17177 has 15 MA's), (242, 17315), (249, 17336), (251, 17345), (261, 17366), (272, 17399), (287, 17459), (292, 17474), (305, 17525), (315, 17573), (318, 17591), (330, 17624), (332, 17636), (333, 17639), (334, 17645), (337, 17666), (338, 17669), (354, 17756), (375, 17855), (385, 17897), (386, 17906), (388, 17915), (400, 17963), (402, 17972), (419, 18038), (433, 18077), (499, 18263), (503, 18278), (512, 18311), (526, 18362), (534, 18383), (542, 18398), (548, 18407), (556, 18422), (595, 18491), (648, 18644), (657, 18665), (712, 18794), (720, 18839), (725, 18851), (730, 18887), (802, 19067), (806, 19076), (842, 19187), (847, 19217), (863, 19301),

Gene: Serenity_25 Start: 15579, Stop: 18095, Start Num: 103

Candidate Starts for Serenity_25:

(Start: 103 @15579 has 89 MA's), (141, 15690), (168, 15756), (170, 15759), (171, 15762), (195, 15810), (249, 15948), (251, 15957), (257, 15966), (292, 16086), (305, 16137), (316, 16194), (320, 16206), (324, 16212), (327, 16227), (332, 16248), (334, 16257), (343, 16305), (375, 16467), (383, 16497), (385, 16509), (394, 16548), (397, 16563), (402, 16584), (416, 16641), (418, 16647), (419, 16650), (429, 16677), (470, 16776), (499, 16875), (503, 16890), (520, 16953), (526, 16974), (534, 16995), (558, 17040), (595, 17103), (596, 17106), (609, 17145), (615, 17172), (630, 17202), (633, 17214), (648, 17256), (673, 17316), (686, 17343), (712, 17406), (725, 17463), (742, 17547), (759, 17613), (802, 17676), (857, 17871), (858, 17874), (863, 17895), (896, 18072), (899, 18081),

Gene: Severus_24 Start: 13964, Stop: 16519, Start Num: 162

Candidate Starts for Severus_24:

(Start: 101 @13787 has 8 MA's), (Start: 162 @13964 has 10 MA's), (190, 14039), (196, 14051), (248, 14213), (254, 14234), (258, 14246), (267, 14276), (274, 14309), (285, 14354), (291, 14372), (294, 14387), (295, 14396), (302, 14417), (323, 14522), (332, 14564), (364, 14729), (396, 14891), (403, 14918), (482, 15095), (495, 15140), (517, 15215), (531, 15263), (532, 15266), (545, 15287), (547, 15290), (566, 15335), (606, 15410), (607, 15413), (612, 15434), (620, 15458), (644, 15524), (657, 15554), (668, 15566), (699, 15653), (705, 15668), (719, 15722), (734, 15797), (747, 15875), (750, 15887), (766, 15944), (772, 15956), (776, 15968), (793, 16010), (798, 16022), (803, 16034), (807, 16049), (812, 16070), (818, 16082), (860, 16295), (872, 16355), (880, 16400), (889, 16451), (896, 16499),

Gene: Shaka_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Shaka_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (214, 16200), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (530, 17235), (532, 17241), (597, 17355), (614, 17409), (632, 17454), (655, 17514), (683, 17574), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (871, 18318), (872, 18321), (880, 18366), (889, 18417), (896, 18465),

Gene: Sham4_26 Start: 17160, Stop: 19706, Start Num: 113

Candidate Starts for Sham4_26:

(Start: 113 @17160 has 22 MA's), (Start: 120 @17178 has 2 MA's), (186, 17352), (194, 17361), (217, 17436), (245, 17490), (260, 17544), (264, 17559), (265, 17562), (272, 17580), (288, 17643), (292, 17655), (308, 17718), (322, 17781), (327, 17796), (330, 17805), (334, 17826), (338, 17850), (341,

17865), (359, 17952), (361, 17955), (366, 17970), (370, 17991), (372, 18003), (381, 18069), (396, 18141), (404, 18165), (436, 18246), (439, 18255), (443, 18267), (466, 18309), (497, 18366), (515, 18420), (560, 18528), (575, 18567), (628, 18708), (674, 18804), (681, 18825), (694, 18858), (711, 18891), (713, 18894), (733, 18978), (743, 19023), (744, 19026), (772, 19140), (783, 19173), (806, 19245), (816, 19281), (835, 19353), (847, 19431), (857, 19485), (863, 19509), (886, 19620),

Gene: Shapes_29 Start: 15937, Stop: 18492, Start Num: 162

Candidate Starts for Shapes_29:

(Start: 101 @15760 has 8 MA's), (Start: 162 @15937 has 10 MA's), (169, 15958), (193, 16015), (220, 16111), (225, 16120), (258, 16225), (266, 16252), (274, 16288), (294, 16366), (295, 16375), (302, 16396), (308, 16423), (323, 16501), (332, 16543), (364, 16708), (394, 16858), (396, 16870), (482, 17065), (517, 17185), (530, 17230), (531, 17233), (532, 17236), (545, 17257), (547, 17260), (566, 17305), (582, 17341), (597, 17359), (606, 17380), (614, 17413), (659, 17527), (689, 17590), (715, 17668), (719, 17692), (734, 17767), (745, 17833), (750, 17857), (757, 17875), (786, 17971), (798, 17995), (803, 18007), (807, 18022), (812, 18043), (818, 18055), (860, 18268), (868, 18304), (871, 18325), (872, 18328), (889, 18424), (896, 18472),

Gene: ShayRa_29 Start: 16045, Stop: 18231, Start Num: 182

Candidate Starts for ShayRa_29:

(Start: 115 @15868 has 1 MA's), (Start: 117 @15877 has 4 MA's), (Start: 182 @16045 has 15 MA's), (262, 16285), (263, 16291), (283, 16360), (299, 16417), (334, 16561), (341, 16603), (350, 16651), (351, 16654), (374, 16765), (377, 16783), (404, 16888), (417, 16936), (486, 17041), (515, 17101), (546, 17155), (564, 17191), (582, 17215), (591, 17224), (617, 17287), (627, 17308), (632, 17323), (639, 17347), (646, 17359), (677, 17413), (690, 17434), (701, 17464), (754, 17635), (760, 17656), (792, 17740), (864, 18043), (889, 18166), (891, 18178),

Gene: SheaKeira_26 Start: 15769, Stop: 18678, Start Num: 54

Candidate Starts for SheaKeira_26:

(24, 15580), (43, 15682), (Start: 54 @15769 has 33 MA's), (56, 15781), (84, 15892), (86, 15901), (90, 15925), (91, 15934), (97, 15955), (98, 15964), (110, 15997), (125, 16051), (164, 16165), (183, 16219), (185, 16222), (223, 16348), (249, 16423), (251, 16432), (270, 16483), (275, 16498), (288, 16549), (292, 16561), (300, 16591), (305, 16612), (314, 16657), (315, 16660), (318, 16678), (320, 16681), (327, 16702), (334, 16732), (335, 16744), (344, 16783), (345, 16792), (351, 16825), (353, 16837), (375, 16942), (396, 17035), (397, 17038), (402, 17059), (404, 17068), (406, 17080), (412, 17104), (415, 17113), (416, 17116), (419, 17125), (426, 17143), (429, 17152), (436, 17176), (472, 17257), (482, 17296), (502, 17362), (534, 17470), (549, 17497), (558, 17515), (567, 17536), (577, 17557), (578, 17560), (595, 17578), (596, 17581), (606, 17608), (613, 17635), (626, 17668), (634, 17695), (712, 17881), (720, 17926), (725, 17938), (731, 17977), (742, 18022), (745, 18043), (750, 18067), (757, 18085), (761, 18106), (766, 18124), (797, 18187), (803, 18208), (825, 18280), (827, 18289), (841, 18367), (848, 18403), (861, 18466), (863, 18478), (876, 18553), (891, 18619), (897, 18661),

Gene: Sheen_27 Start: 17618, Stop: 20998, Start Num: 17

Candidate Starts for Sheen_27:

(Start: 17 @17618 has 4 MA's), (75, 18005), (89, 18062), (95, 18089), (121, 18170), (127, 18194), (129, 18206), (147, 18257), (Start: 182 @18353 has 15 MA's), (201, 18404), (259, 18587), (261, 18593), (272, 18626), (275, 18638), (300, 18731), (305, 18752), (308, 18764), (343, 18920), (346, 18944), (363, 19007), (375, 19082), (385, 19124), (397, 19178), (402, 19199), (416, 19256), (418, 19262), (419, 19265), (445, 19349), (452, 19364), (470, 19391), (472, 19397), (499, 19490), (502, 19502), (503, 19505), (558, 19655), (566, 19670), (572, 19688), (584, 19712), (587, 19730), (588, 19733), (589, 19739), (621, 19844), (637, 19907), (638, 19910), (662, 19967), (664, 19973), (675, 20021), (689, 20051), (715, 20129), (717, 20141), (718, 20150), (738, 20249), (750, 20318), (757, 20336), (780, 20420), (781, 20432), (785, 20444), (803, 20495), (807, 20516), (820, 20567), (829, 20600), (842, 20681), (848, 20714), (852, 20744), (862, 20786), (868, 20810), (879, 20876), (882,

20891), (883, 20897), (892, 20948),

Gene: SheldonCooper_26 Start: 16197, Stop: 18797, Start Num: 104

Candidate Starts for SheldonCooper_26:

(Start: 104 @16197 has 113 MA's), (Start: 151 @16338 has 22 MA's), (Start: 162 @16356 has 10 MA's), (214, 16512), (233, 16563), (251, 16632), (284, 16749), (292, 16776), (308, 16839), (322, 16902), (334, 16947), (341, 16989), (357, 17073), (412, 17280), (446, 17340), (474, 17391), (489, 17436), (519, 17514), (530, 17547), (532, 17553), (614, 17721), (622, 17742), (632, 17766), (655, 17826), (657, 17832), (659, 17835), (683, 17886), (700, 17934), (719, 18000), (750, 18165), (757, 18183), (803, 18309), (856, 18561), (857, 18564), (860, 18573), (871, 18630), (872, 18633), (880, 18678), (889, 18729), (896, 18777),

Gene: ShortQueendom_23 Start: 16288, Stop: 18759, Start Num: 106

Candidate Starts for ShortQueendom_23:

(Start: 106 @16288 has 199 MA's), (119, 16327), (141, 16390), (Start: 151 @16420 has 22 MA's), (160, 16441), (174, 16462), (178, 16474), (186, 16492), (255, 16582), (308, 16780), (314, 16813), (332, 16879), (381, 17134), (385, 17155), (390, 17182), (467, 17341), (490, 17377), (542, 17470), (552, 17491), (583, 17548), (616, 17635), (630, 17668), (639, 17704), (655, 17734), (666, 17770), (693, 17836), (700, 17857), (734, 17998), (769, 18139), (778, 18160), (822, 18295), (852, 18472), (872, 18583), (878, 18625), (885, 18670), (892, 18709), (894, 18724),

Gene: Shygu2_25 Start: 15876, Stop: 18476, Start Num: 104

Candidate Starts for Shygu2_25:

(Start: 104 @15876 has 113 MA's), (214, 16191), (222, 16218), (239, 16266), (256, 16323), (284, 16428), (288, 16443), (308, 16518), (334, 16626), (337, 16647), (341, 16668), (446, 17019), (474, 17070), (487, 17112), (489, 17115), (530, 17226), (532, 17232), (605, 17364), (614, 17400), (633, 17448), (683, 17565), (719, 17679), (750, 17844), (757, 17862), (798, 17976), (803, 17988), (831, 18078), (844, 18171), (857, 18243), (860, 18252), (872, 18312), (874, 18321), (889, 18408), (896, 18456),

Gene: Sibs6_26 Start: 16924, Stop: 19404, Start Num: 106

Candidate Starts for Sibs6_26:

(Start: 106 @16924 has 199 MA's), (119, 16963), (141, 17026), (Start: 151 @17056 has 22 MA's), (174, 17098), (278, 17305), (284, 17323), (308, 17413), (322, 17476), (330, 17500), (332, 17512), (341, 17563), (451, 17947), (518, 18049), (529, 18088), (542, 18103), (549, 18115), (559, 18139), (619, 18268), (655, 18367), (693, 18469), (700, 18490), (715, 18532), (734, 18631), (746, 18694), (772, 18784), (814, 18913), (823, 18946), (872, 19228), (882, 19294), (885, 19315), (892, 19354), (896, 19384),

Gene: SkiPole_26 Start: 16553, Stop: 19165, Start Num: 106

Candidate Starts for SkiPole_26:

(Start: 106 @16553 has 199 MA's), (119, 16592), (141, 16655), (143, 16661), (Start: 151 @16685 has 22 MA's), (174, 16727), (195, 16778), (278, 17066), (284, 17084), (308, 17174), (322, 17237), (330, 17261), (332, 17273), (341, 17324), (451, 17708), (518, 17810), (529, 17849), (542, 17864), (549, 17876), (559, 17900), (595, 17975), (619, 18029), (655, 18128), (693, 18230), (700, 18251), (704, 18260), (715, 18293), (728, 18368), (734, 18392), (746, 18455), (778, 18566), (799, 18608), (814, 18674), (823, 18707), (872, 18989), (885, 19076), (892, 19115), (894, 19130),

Gene: Skipitt_25 Start: 16023, Stop: 18482, Start Num: 151

Candidate Starts for Skipitt_25:

(Start: 104 @15882 has 113 MA's), (Start: 151 @16023 has 22 MA's), (Start: 162 @16041 has 10 MA's), (233, 16248), (245, 16287), (251, 16317), (284, 16434), (292, 16461), (308, 16524), (322, 16587), (334, 16632), (341, 16674), (357, 16758), (446, 17025), (474, 17076), (489, 17121), (519,

17199), (530, 17232), (532, 17238), (582, 17334), (595, 17343), (614, 17406), (622, 17427), (633, 17454), (655, 17511), (657, 17517), (683, 17571), (700, 17619), (719, 17685), (750, 17850), (757, 17868), (803, 17994), (856, 18246), (857, 18249), (860, 18258), (872, 18318), (889, 18414), (896, 18462),

Gene: Slagathor_25 Start: 16276, Stop: 18747, Start Num: 106

Candidate Starts for Slagathor_25:

(Start: 106 @16276 has 199 MA's), (119, 16315), (141, 16378), (Start: 151 @16408 has 22 MA's), (160, 16429), (174, 16450), (178, 16462), (186, 16480), (236, 16504), (255, 16570), (308, 16768), (314, 16801), (332, 16867), (381, 17122), (385, 17143), (390, 17170), (467, 17329), (490, 17365), (542, 17458), (552, 17479), (583, 17536), (630, 17656), (639, 17692), (655, 17722), (666, 17758), (693, 17824), (700, 17845), (734, 17986), (769, 18127), (778, 18148), (822, 18283), (852, 18460), (872, 18571), (882, 18637), (885, 18658), (892, 18697), (894, 18712),

Gene: Smairt_25 Start: 17108, Stop: 19579, Start Num: 106

Candidate Starts for Smairt_25:

(Start: 106 @17108 has 199 MA's), (119, 17147), (141, 17210), (Start: 151 @17240 has 22 MA's), (160, 17261), (174, 17282), (178, 17294), (186, 17312), (255, 17402), (308, 17600), (314, 17633), (332, 17699), (381, 17954), (385, 17975), (390, 18002), (467, 18161), (490, 18197), (542, 18290), (552, 18311), (583, 18368), (630, 18488), (639, 18524), (655, 18554), (666, 18590), (693, 18656), (700, 18677), (734, 18818), (769, 18959), (778, 18980), (822, 19115), (852, 19292), (872, 19403), (885, 19490), (892, 19529), (896, 19559),

Gene: Smeadley_22 Start: 14546, Stop: 17623, Start Num: 9

Candidate Starts for Smeadley_22:

(Start: 9 @14546 has 11 MA's), (16, 14630), (37, 14798), (42, 14822), (76, 14870), (111, 14990), (130, 15062), (187, 15212), (189, 15215), (191, 15221), (245, 15407), (262, 15467), (263, 15473), (282, 15539), (290, 15566), (293, 15581), (307, 15632), (308, 15635), (314, 15668), (322, 15701), (359, 15869), (396, 16052), (404, 16076), (414, 16124), (423, 16145), (425, 16148), (486, 16292), (514, 16349), (531, 16379), (557, 16418), (593, 16490), (609, 16520), (640, 16619), (653, 16649), (677, 16694), (734, 16892), (739, 16913), (742, 16925), (770, 17033), (792, 17096), (799, 17120), (807, 17150), (816, 17183), (826, 17216), (839, 17276), (843, 17303), (863, 17402), (864, 17408), (880, 17498), (883, 17519), (890, 17558), (900, 17606),

Gene: Smeagan_28 Start: 17115, Stop: 19658, Start Num: 103

Candidate Starts for Smeagan_28:

(Start: 103 @17115 has 89 MA's), (170, 17295), (171, 17298), (Start: 182 @17328 has 15 MA's), (240, 17466), (242, 17472), (249, 17493), (251, 17502), (257, 17511), (261, 17523), (275, 17568), (279, 17589), (292, 17631), (305, 17682), (314, 17727), (315, 17730), (318, 17748), (330, 17781), (332, 17793), (334, 17802), (337, 17823), (338, 17826), (354, 17913), (375, 18012), (385, 18054), (386, 18063), (388, 18072), (402, 18129), (419, 18195), (433, 18234), (481, 18363), (499, 18420), (518, 18486), (526, 18519), (531, 18534), (534, 18540), (540, 18549), (548, 18564), (558, 18585), (567, 18606), (577, 18627), (578, 18630), (595, 18648), (596, 18651), (612, 18702), (633, 18759), (637, 18777), (648, 18801), (673, 18861), (686, 18888), (712, 18951), (720, 18996), (749, 19134), (802, 19224), (806, 19233), (826, 19257), (842, 19344), (847, 19374), (863, 19458),

Gene: Smeagol_26 Start: 17697, Stop: 20180, Start Num: 106

Candidate Starts for Smeagol_26:

(Start: 106 @17697 has 199 MA's), (119, 17736), (141, 17799), (Start: 151 @17829 has 22 MA's), (174, 17871), (278, 18078), (308, 18186), (322, 18249), (330, 18273), (332, 18285), (341, 18336), (451, 18720), (518, 18822), (529, 18861), (549, 18888), (559, 18912), (632, 19116), (635, 19128), (639, 19143), (680, 19260), (703, 19305), (709, 19326), (710, 19329), (750, 19494), (769, 19560), (789, 19602), (814, 19689), (824, 19722), (872, 20004), (885, 20091), (892, 20130), (894, 20145),

Gene: SmellyB_29 Start: 16735, Stop: 18939, Start Num: 124

Candidate Starts for SmellyB_29:

(65, 16576), (98, 16690), (Start: 124 @16735 has 42 MA's), (166, 16846), (168, 16852), (206, 16960), (217, 17002), (239, 17068), (267, 17161), (276, 17188), (308, 17311), (314, 17344), (336, 17434), (349, 17503), (404, 17746), (495, 17884), (599, 18004), (701, 18157), (734, 18220), (743, 18262), (770, 18361), (776, 18382), (783, 18403), (792, 18424), (806, 18475), (808, 18487), (813, 18502), (835, 18583), (847, 18661),

Gene: SnapTap_26 Start: 16547, Stop: 19084, Start Num: 103

Candidate Starts for SnapTap_26:

(Start: 103 @16547 has 89 MA's), (168, 16724), (170, 16727), (171, 16730), (Start: 182 @16760 has 15 MA's), (242, 16898), (249, 16919), (251, 16928), (261, 16949), (272, 16982), (287, 17042), (292, 17057), (305, 17108), (315, 17156), (318, 17174), (330, 17207), (332, 17219), (333, 17222), (334, 17228), (337, 17249), (338, 17252), (354, 17339), (375, 17438), (385, 17480), (386, 17489), (388, 17498), (400, 17546), (402, 17555), (419, 17621), (433, 17660), (480, 17783), (499, 17846), (503, 17861), (512, 17894), (526, 17945), (534, 17966), (542, 17981), (548, 17990), (556, 18005), (595, 18074), (648, 18227), (712, 18377), (720, 18422), (725, 18434), (730, 18470), (802, 18650), (806, 18659), (842, 18770), (847, 18800), (863, 18884),

Gene: Snape_26 Start: 17160, Stop: 19706, Start Num: 113

Candidate Starts for Snape_26:

(Start: 113 @17160 has 22 MA's), (Start: 120 @17178 has 2 MA's), (186, 17352), (194, 17361), (217, 17436), (245, 17490), (260, 17544), (264, 17559), (265, 17562), (272, 17580), (288, 17643), (292, 17655), (308, 17718), (322, 17781), (327, 17796), (330, 17805), (334, 17826), (338, 17850), (341, 17865), (359, 17952), (361, 17955), (366, 17970), (370, 17991), (372, 18003), (381, 18069), (395, 18132), (396, 18141), (404, 18165), (436, 18246), (439, 18255), (443, 18267), (466, 18309), (497, 18366), (515, 18420), (560, 18528), (575, 18567), (628, 18708), (674, 18804), (681, 18825), (694, 18858), (711, 18891), (713, 18894), (733, 18978), (743, 19023), (744, 19026), (772, 19140), (783, 19173), (806, 19245), (816, 19281), (835, 19353), (847, 19431), (857, 19485), (863, 19509), (886, 19620),

Gene: Snazzy_22 Start: 15797, Stop: 18268, Start Num: 106

Candidate Starts for Snazzy_22:

(Start: 106 @15797 has 199 MA's), (119, 15836), (141, 15899), (Start: 151 @15929 has 22 MA's), (160, 15950), (174, 15971), (178, 15983), (186, 16001), (255, 16091), (308, 16289), (314, 16322), (332, 16388), (381, 16643), (385, 16664), (390, 16691), (467, 16850), (490, 16886), (542, 16979), (552, 17000), (583, 17057), (630, 17177), (639, 17213), (655, 17243), (666, 17279), (693, 17345), (700, 17366), (734, 17507), (769, 17648), (778, 17669), (822, 17804), (852, 17981), (872, 18092), (885, 18179), (892, 18218),

Gene: Snickers_27 Start: 15953, Stop: 18979, Start Num: 40

Candidate Starts for Snickers_27:

(31, 15899), (Start: 40 @15953 has 81 MA's), (56, 16067), (66, 16133), (67, 16136), (73, 16145), (84, 16181), (94, 16232), (118, 16304), (139, 16376), (183, 16496), (185, 16499), (207, 16568), (219, 16613), (251, 16706), (257, 16715), (263, 16733), (272, 16760), (288, 16823), (292, 16835), (301, 16868), (305, 16886), (318, 16952), (320, 16955), (322, 16961), (327, 16976), (330, 16985), (332, 16997), (334, 17006), (347, 17084), (351, 17099), (375, 17216), (376, 17219), (383, 17246), (385, 17258), (397, 17312), (402, 17333), (419, 17399), (433, 17438), (472, 17531), (484, 17579), (499, 17624), (512, 17672), (522, 17714), (526, 17723), (540, 17753), (541, 17756), (548, 17768), (573, 17825), (577, 17831), (595, 17852), (596, 17855), (642, 17993), (648, 18005), (673, 18065), (700, 18125), (712, 18155), (713, 18158), (715, 18167), (734, 18260), (750, 18350), (771, 18416), (775, 18428), (797, 18470), (811, 18533), (832, 18590), (841, 18659), (848, 18695), (864, 18776), (889,

18911),

Gene: SoYo_27 Start: 15890, Stop: 18916, Start Num: 40

Candidate Starts for SoYo_27:

(31, 15836), (Start: 40 @15890 has 81 MA's), (56, 16004), (66, 16070), (67, 16073), (73, 16082), (84, 16118), (94, 16169), (118, 16241), (139, 16313), (183, 16433), (185, 16436), (207, 16505), (219, 16550), (251, 16643), (257, 16652), (263, 16670), (272, 16697), (288, 16760), (292, 16772), (301, 16805), (305, 16823), (318, 16889), (320, 16892), (322, 16898), (327, 16913), (330, 16922), (332, 16934), (334, 16943), (347, 17021), (351, 17036), (375, 17153), (376, 17156), (383, 17183), (385, 17195), (397, 17249), (402, 17270), (419, 17336), (433, 17375), (472, 17468), (484, 17516), (499, 17561), (512, 17609), (522, 17651), (526, 17660), (540, 17690), (541, 17693), (548, 17705), (573, 17762), (577, 17768), (595, 17789), (596, 17792), (642, 17930), (648, 17942), (673, 18002), (699, 18059), (734, 18197), (738, 18218), (742, 18242), (750, 18287), (757, 18305), (771, 18353), (775, 18365), (797, 18407), (811, 18470), (832, 18527), (841, 18596), (848, 18632), (864, 18713), (889, 18848),

Gene: SoilDragon_27 Start: 15667, Stop: 18693, Start Num: 40

Candidate Starts for SoilDragon_27:

(31, 15613), (Start: 40 @15667 has 81 MA's), (56, 15781), (66, 15847), (67, 15850), (73, 15859), (84, 15895), (94, 15946), (118, 16018), (139, 16090), (183, 16210), (185, 16213), (207, 16282), (219, 16327), (251, 16420), (257, 16429), (272, 16474), (288, 16537), (292, 16549), (301, 16582), (305, 16600), (318, 16666), (320, 16669), (322, 16675), (327, 16690), (330, 16699), (332, 16711), (334, 16720), (351, 16813), (372, 16900), (375, 16930), (376, 16933), (383, 16960), (385, 16972), (397, 17026), (402, 17047), (408, 17077), (419, 17113), (484, 17293), (499, 17338), (512, 17386), (522, 17428), (526, 17437), (540, 17467), (573, 17539), (595, 17566), (596, 17569), (600, 17581), (638, 17698), (642, 17707), (648, 17719), (673, 17779), (700, 17839), (712, 17869), (713, 17872), (715, 17881), (734, 17974), (750, 18064), (771, 18130), (775, 18142), (797, 18184), (811, 18247), (832, 18304), (841, 18373), (848, 18409), (864, 18490), (889, 18625),

Gene: Solon_24 Start: 16959, Stop: 19430, Start Num: 106

Candidate Starts for Solon_24:

(Start: 106 @16959 has 199 MA's), (119, 16998), (141, 17061), (Start: 151 @17091 has 22 MA's), (160, 17112), (174, 17133), (178, 17145), (186, 17163), (255, 17253), (308, 17451), (314, 17484), (332, 17550), (381, 17805), (385, 17826), (390, 17853), (467, 18012), (490, 18048), (542, 18141), (552, 18162), (583, 18219), (630, 18339), (639, 18375), (655, 18405), (666, 18441), (693, 18507), (700, 18528), (734, 18669), (769, 18810), (778, 18831), (822, 18966), (852, 19143), (872, 19254), (882, 19320), (885, 19341), (892, 19380), (894, 19395),

Gene: SororFago_25 Start: 15738, Stop: 18149, Start Num: 134

Candidate Starts for SororFago_25:

(Start: 134 @15738 has 1 MA's), (Start: 142 @15759 has 5 MA's), (153, 15792), (195, 15894), (207, 15936), (229, 15978), (245, 16029), (271, 16119), (292, 16203), (308, 16266), (314, 16299), (325, 16332), (330, 16353), (334, 16374), (341, 16416), (353, 16479), (384, 16620), (457, 16788), (460, 16794), (475, 16818), (495, 16878), (565, 17052), (676, 17349), (699, 17409), (712, 17442), (715, 17454), (720, 17487), (722, 17496), (732, 17547), (746, 17628), (749, 17640), (759, 17664), (799, 17718), (803, 17730), (840, 17835), (863, 17946), (876, 18021), (891, 18087), (896, 18123),

Gene: Sorpresa_24 Start: 16328, Stop: 18799, Start Num: 106

Candidate Starts for Sorpresa_24:

(Start: 106 @16328 has 199 MA's), (119, 16367), (141, 16430), (Start: 151 @16460 has 22 MA's), (160, 16481), (174, 16502), (178, 16514), (186, 16532), (255, 16622), (308, 16820), (314, 16853), (332, 16919), (381, 17174), (385, 17195), (390, 17222), (467, 17381), (490, 17417), (542, 17510), (552, 17531), (583, 17588), (630, 17708), (639, 17744), (655, 17774), (666, 17810), (693, 17876),

(700, 17897), (734, 18038), (769, 18179), (778, 18200), (852, 18512), (872, 18623), (878, 18665), (885, 18710), (892, 18749), (894, 18764),

Gene: Soshari_29 Start: 16062, Stop: 19088, Start Num: 40

Candidate Starts for Soshari_29:

(31, 16008), (Start: 40 @16062 has 81 MA's), (56, 16176), (66, 16242), (67, 16245), (73, 16254), (84, 16290), (94, 16341), (118, 16413), (139, 16485), (183, 16605), (185, 16608), (207, 16677), (219, 16722), (251, 16815), (257, 16824), (263, 16842), (272, 16869), (288, 16932), (292, 16944), (301, 16977), (305, 16995), (318, 17061), (320, 17064), (322, 17070), (327, 17085), (330, 17094), (332, 17106), (334, 17115), (347, 17193), (351, 17208), (375, 17325), (376, 17328), (383, 17355), (385, 17367), (397, 17421), (402, 17442), (419, 17508), (433, 17547), (472, 17640), (484, 17688), (499, 17733), (512, 17781), (522, 17823), (526, 17832), (540, 17862), (541, 17865), (548, 17877), (573, 17934), (577, 17940), (595, 17961), (596, 17964), (642, 18102), (648, 18114), (673, 18174), (699, 18231), (734, 18369), (738, 18390), (742, 18414), (750, 18459), (757, 18477), (771, 18525), (775, 18537), (797, 18579), (811, 18642), (832, 18699), (841, 18768), (848, 18804), (864, 18885), (889, 19020),

Gene: Soups_28 Start: 16045, Stop: 18231, Start Num: 182

Candidate Starts for Soups_28:

(Start: 115 @15868 has 1 MA's), (Start: 117 @15877 has 4 MA's), (Start: 182 @16045 has 15 MA's), (262, 16285), (263, 16291), (283, 16360), (299, 16417), (334, 16561), (341, 16603), (350, 16651), (351, 16654), (374, 16765), (377, 16783), (404, 16888), (417, 16936), (486, 17041), (515, 17101), (546, 17155), (564, 17191), (582, 17215), (591, 17224), (617, 17287), (627, 17308), (632, 17323), (639, 17347), (646, 17359), (677, 17413), (690, 17434), (701, 17464), (754, 17635), (760, 17656), (792, 17740), (864, 18043), (889, 18166), (891, 18178),

Gene: Sparxx_25 Start: 15883, Stop: 18483, Start Num: 104

Candidate Starts for Sparxx_25:

(Start: 104 @15883 has 113 MA's), (Start: 151 @16024 has 22 MA's), (Start: 162 @16042 has 10 MA's), (233, 16249), (245, 16288), (251, 16318), (284, 16435), (292, 16462), (308, 16525), (322, 16588), (334, 16633), (341, 16675), (357, 16759), (446, 17026), (474, 17077), (489, 17122), (519, 17200), (532, 17239), (545, 17260), (614, 17407), (622, 17428), (632, 17452), (655, 17512), (657, 17518), (659, 17521), (683, 17572), (700, 17620), (719, 17686), (750, 17851), (757, 17869), (803, 17995), (856, 18247), (857, 18250), (860, 18259), (872, 18319), (889, 18415), (896, 18463),

Gene: Spike509_27 Start: 16063, Stop: 19089, Start Num: 40

Candidate Starts for Spike509_27:

(31, 16009), (Start: 40 @16063 has 81 MA's), (56, 16177), (66, 16243), (67, 16246), (73, 16255), (84, 16291), (94, 16342), (118, 16414), (139, 16486), (183, 16606), (185, 16609), (207, 16678), (219, 16723), (251, 16816), (257, 16825), (263, 16843), (272, 16870), (288, 16933), (292, 16945), (301, 16978), (305, 16996), (318, 17062), (320, 17065), (322, 17071), (327, 17086), (330, 17095), (332, 17107), (334, 17116), (347, 17194), (351, 17209), (375, 17326), (376, 17329), (383, 17356), (385, 17368), (397, 17422), (402, 17443), (419, 17509), (433, 17548), (472, 17641), (484, 17689), (499, 17734), (522, 17824), (526, 17833), (540, 17863), (567, 17920), (573, 17935), (595, 17962), (596, 17965), (642, 18103), (648, 18115), (673, 18175), (699, 18232), (734, 18370), (738, 18391), (742, 18415), (750, 18460), (757, 18478), (771, 18526), (775, 18538), (797, 18580), (811, 18643), (832, 18700), (841, 18769), (848, 18805), (864, 18886), (889, 19021),

Gene: SpikeBT_26 Start: 17264, Stop: 19735, Start Num: 106

Candidate Starts for SpikeBT_26:

(Start: 106 @17264 has 199 MA's), (119, 17303), (141, 17366), (Start: 151 @17396 has 22 MA's), (160, 17417), (174, 17438), (178, 17450), (186, 17468), (255, 17558), (308, 17756), (314, 17789), (332, 17855), (381, 18110), (385, 18131), (390, 18158), (467, 18317), (490, 18353), (542, 18446),

(552, 18467), (583, 18524), (616, 18611), (630, 18644), (639, 18680), (655, 18710), (666, 18746), (693, 18812), (700, 18833), (734, 18974), (769, 19115), (778, 19136), (822, 19271), (852, 19448), (872, 19559), (878, 19601), (885, 19646), (892, 19685), (894, 19700),

Gene: Spino_25 Start: 16026, Stop: 18485, Start Num: 151

Candidate Starts for Spino_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (655, 17514), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Spouty_27 Start: 17620, Stop: 20529, Start Num: 54

Candidate Starts for Spouty_27:

(Start: 54 @17620 has 33 MA's), (56, 17632), (66, 17692), (127, 17914), (148, 17977), (164, 18019), (183, 18073), (185, 18076), (199, 18115), (253, 18286), (257, 18292), (262, 18307), (287, 18397), (288, 18400), (292, 18412), (304, 18454), (314, 18508), (318, 18529), (334, 18583), (337, 18604), (338, 18607), (341, 18625), (353, 18688), (371, 18754), (375, 18793), (382, 18820), (385, 18835), (391, 18865), (397, 18889), (400, 18901), (402, 18910), (419, 18976), (433, 19015), (455, 19081), (472, 19108), (479, 19135), (511, 19246), (534, 19321), (548, 19345), (558, 19366), (567, 19387), (577, 19408), (578, 19411), (595, 19429), (596, 19432), (606, 19459), (626, 19519), (635, 19549), (648, 19582), (662, 19612), (668, 19624), (712, 19732), (716, 19747), (720, 19777), (731, 19828), (749, 19915), (751, 19924), (766, 19975), (797, 20038), (803, 20059), (810, 20095), (826, 20131), (827, 20137), (841, 20215), (846, 20242), (872, 20371), (876, 20401), (882, 20428), (891, 20467), (897, 20509),

Gene: Squee_25 Start: 17091, Stop: 19706, Start Num: 106

Candidate Starts for Squee_25:

(Start: 106 @17091 has 199 MA's), (119, 17130), (141, 17193), (143, 17199), (Start: 151 @17223 has 22 MA's), (243, 17331), (292, 17502), (307, 17562), (308, 17565), (335, 17688), (341, 17718), (353, 17781), (404, 18000), (430, 18072), (450, 18120), (475, 18165), (550, 18390), (555, 18399), (569, 18435), (586, 18477), (655, 18681), (695, 18795), (700, 18804), (708, 18825), (715, 18846), (734, 18945), (743, 18987), (744, 18990), (784, 19119), (810, 19203), (823, 19248), (872, 19530), (882, 19596), (885, 19617), (892, 19656), (894, 19671),

Gene: Stagni_27 Start: 15981, Stop: 19007, Start Num: 40

Candidate Starts for Stagni_27:

(31, 15927), (Start: 40 @15981 has 81 MA's), (56, 16095), (66, 16161), (67, 16164), (73, 16173), (84, 16209), (94, 16260), (118, 16332), (139, 16404), (183, 16524), (185, 16527), (207, 16596), (219, 16641), (251, 16734), (257, 16743), (263, 16761), (272, 16788), (288, 16851), (292, 16863), (301, 16896), (305, 16914), (318, 16980), (320, 16983), (322, 16989), (327, 17004), (330, 17013), (332, 17025), (334, 17034), (351, 17127), (375, 17244), (376, 17247), (383, 17274), (385, 17286), (397, 17340), (402, 17361), (419, 17427), (429, 17454), (472, 17559), (484, 17607), (499, 17652), (512, 17700), (522, 17742), (526, 17751), (540, 17781), (541, 17784), (548, 17796), (573, 17853), (577, 17859), (595, 17880), (596, 17883), (642, 18021), (648, 18033), (673, 18093), (700, 18153), (712, 18183), (713, 18186), (715, 18195), (734, 18288), (750, 18378), (771, 18444), (775, 18456), (797, 18498), (811, 18561), (832, 18618), (841, 18687), (848, 18723), (864, 18804), (889, 18939),

Gene: StarStuff_29 Start: 16508, Stop: 19021, Start Num: 103

Candidate Starts for StarStuff_29:

(Start: 103 @16508 has 89 MA's), (170, 16688), (171, 16691), (272, 16937), (287, 16997), (292, 17012), (300, 17042), (301, 17045), (318, 17129), (327, 17153), (333, 17177), (337, 17204), (338,

17207), (375, 17393), (382, 17420), (385, 17435), (397, 17489), (402, 17510), (419, 17576), (426, 17594), (429, 17603), (470, 17702), (479, 17735), (481, 17744), (499, 17801), (503, 17816), (534, 17921), (596, 18032), (600, 18044), (603, 18050), (612, 18083), (657, 18203), (712, 18332), (716, 18347), (720, 18377), (725, 18389), (730, 18425), (759, 18539), (771, 18551), (799, 18593), (858, 18800), (862, 18818), (863, 18821), (899, 19007),

Gene: Stasia_26 Start: 16324, Stop: 18924, Start Num: 104

Candidate Starts for Stasia_26:

(Start: 104 @16324 has 113 MA's), (Start: 151 @16465 has 22 MA's), (245, 16729), (251, 16759), (262, 16789), (267, 16804), (278, 16858), (284, 16876), (292, 16903), (308, 16966), (334, 17074), (460, 17494), (474, 17518), (489, 17563), (492, 17572), (614, 17848), (659, 17962), (683, 18013), (700, 18061), (713, 18094), (719, 18127), (722, 18145), (750, 18292), (757, 18310), (803, 18436), (831, 18526), (844, 18619), (857, 18691), (860, 18700), (865, 18724), (872, 18760), (874, 18769), (880, 18805), (889, 18856), (896, 18904),

Gene: Steamy_27 Start: 17182, Stop: 20196, Start Num: 27

Candidate Starts for Steamy_27:

(19, 17137), (Start: 27 @17182 has 5 MA's), (48, 17305), (Start: 54 @17359 has 33 MA's), (55, 17362), (56, 17371), (88, 17506), (91, 17527), (Start: 113 @17602 has 22 MA's), (133, 17674), (148, 17716), (183, 17812), (185, 17815), (223, 17941), (253, 18028), (261, 18046), (262, 18049), (287, 18139), (288, 18142), (292, 18154), (300, 18184), (305, 18205), (320, 18274), (334, 18325), (337, 18346), (352, 18427), (371, 18496), (375, 18535), (385, 18577), (388, 18595), (397, 18631), (402, 18652), (419, 18718), (421, 18727), (426, 18736), (429, 18745), (441, 18790), (454, 18820), (477, 18868), (499, 18943), (512, 18991), (534, 19063), (558, 19108), (566, 19123), (573, 19144), (595, 19171), (604, 19195), (607, 19204), (648, 19324), (673, 19384), (685, 19411), (712, 19474), (720, 19519), (742, 19615), (755, 19669), (782, 19720), (794, 19744), (797, 19753), (822, 19816), (843, 19906), (844, 19909), (863, 19993), (891, 20134),

Gene: StepMih_27 Start: 15972, Stop: 18998, Start Num: 40

Candidate Starts for StepMih_27:

(31, 15918), (Start: 40 @15972 has 81 MA's), (56, 16086), (66, 16152), (67, 16155), (73, 16164), (84, 16200), (94, 16251), (118, 16323), (139, 16395), (183, 16515), (185, 16518), (207, 16587), (219, 16632), (251, 16725), (257, 16734), (263, 16752), (272, 16779), (288, 16842), (292, 16854), (301, 16887), (305, 16905), (318, 16971), (320, 16974), (322, 16980), (327, 16995), (330, 17004), (332, 17016), (334, 17025), (351, 17118), (375, 17235), (376, 17238), (383, 17265), (385, 17277), (397, 17331), (402, 17352), (419, 17418), (429, 17445), (472, 17550), (484, 17598), (499, 17643), (512, 17691), (522, 17733), (526, 17742), (540, 17772), (541, 17775), (548, 17787), (573, 17844), (577, 17850), (595, 17871), (596, 17874), (642, 18012), (648, 18024), (673, 18084), (700, 18144), (712, 18174), (713, 18177), (715, 18186), (734, 18279), (750, 18369), (771, 18435), (775, 18447), (797, 18489), (811, 18552), (832, 18609), (841, 18678), (848, 18714), (864, 18795), (889, 18930),

Gene: Stephig9_22 Start: 14527, Stop: 17604, Start Num: 9

Candidate Starts for Stephig9_22:

(Start: 9 @14527 has 11 MA's), (16, 14611), (37, 14779), (42, 14803), (76, 14851), (111, 14971), (130, 15043), (187, 15193), (189, 15196), (191, 15202), (245, 15388), (262, 15448), (263, 15454), (282, 15520), (290, 15547), (293, 15562), (307, 15613), (308, 15616), (314, 15649), (322, 15682), (359, 15850), (396, 16033), (404, 16057), (414, 16105), (423, 16126), (425, 16129), (486, 16273), (514, 16330), (531, 16360), (557, 16399), (593, 16471), (609, 16501), (640, 16600), (653, 16630), (677, 16675), (693, 16708), (734, 16873), (739, 16894), (742, 16906), (760, 16987), (770, 17014), (792, 17077), (799, 17101), (807, 17131), (816, 17164), (826, 17197), (839, 17257), (843, 17284), (863, 17383), (864, 17389), (880, 17479), (883, 17500), (890, 17539), (900, 17587),

Gene: StewieG_23 Start: 16171, Stop: 18642, Start Num: 106

Candidate Starts for StewieG_23:

(Start: 106 @16171 has 199 MA's), (119, 16210), (141, 16273), (Start: 151 @16303 has 22 MA's), (160, 16324), (174, 16345), (186, 16375), (236, 16399), (255, 16465), (308, 16663), (314, 16696), (332, 16762), (381, 17017), (385, 17038), (390, 17065), (467, 17224), (490, 17260), (542, 17353), (552, 17374), (583, 17431), (630, 17551), (639, 17587), (655, 17617), (666, 17653), (693, 17719), (700, 17740), (734, 17881), (769, 18022), (778, 18043), (822, 18178), (852, 18355), (872, 18466), (882, 18532), (885, 18553), (892, 18592), (894, 18607),

Gene: Stink_26 Start: 16165, Stop: 18765, Start Num: 104

Candidate Starts for Stink_26:

(Start: 104 @16165 has 113 MA's), (Start: 172 @16348 has 1 MA's), (222, 16507), (239, 16555), (284, 16717), (289, 16735), (308, 16807), (334, 16915), (349, 16999), (412, 17248), (460, 17335), (474, 17359), (489, 17404), (530, 17515), (532, 17521), (605, 17653), (614, 17689), (622, 17710), (633, 17737), (655, 17794), (683, 17854), (719, 17968), (750, 18133), (757, 18151), (777, 18220), (803, 18277), (845, 18466), (857, 18532), (860, 18541), (872, 18601), (874, 18610), (880, 18646), (883, 18664), (889, 18697), (896, 18745),

Gene: StrongArm_23 Start: 17348, Stop: 19819, Start Num: 106

Candidate Starts for StrongArm_23:

(Start: 106 @17348 has 199 MA's), (119, 17387), (141, 17450), (Start: 151 @17480 has 22 MA's), (160, 17501), (174, 17522), (178, 17534), (186, 17552), (236, 17576), (243, 17597), (255, 17642), (308, 17840), (314, 17873), (332, 17939), (381, 18194), (385, 18215), (390, 18242), (467, 18401), (490, 18437), (542, 18530), (552, 18551), (583, 18608), (630, 18728), (639, 18764), (655, 18794), (666, 18830), (693, 18896), (700, 18917), (734, 19058), (769, 19199), (778, 19220), (822, 19355), (852, 19532), (872, 19643), (885, 19730), (892, 19769), (896, 19799),

Gene: Strosahl_28 Start: 15884, Stop: 18073, Start Num: 182

Candidate Starts for Strosahl_28:

(Start: 115 @15707 has 1 MA's), (Start: 117 @15716 has 4 MA's), (Start: 182 @15884 has 15 MA's), (262, 16127), (263, 16133), (283, 16202), (299, 16259), (334, 16403), (341, 16445), (350, 16493), (351, 16496), (374, 16607), (377, 16625), (404, 16730), (417, 16778), (486, 16883), (515, 16943), (546, 16997), (564, 17033), (582, 17057), (591, 17066), (617, 17129), (627, 17150), (632, 17165), (639, 17189), (646, 17201), (677, 17255), (690, 17276), (701, 17306), (754, 17477), (760, 17498), (792, 17582), (864, 17885), (889, 18008), (891, 18020),

Gene: Sumter_23 Start: 15910, Stop: 18390, Start Num: 106

Candidate Starts for Sumter_23:

(Start: 106 @15910 has 199 MA's), (119, 15949), (141, 16012), (Start: 151 @16042 has 22 MA's), (174, 16084), (278, 16291), (284, 16309), (308, 16399), (322, 16462), (330, 16486), (332, 16498), (341, 16549), (451, 16933), (518, 17035), (529, 17074), (549, 17101), (559, 17125), (655, 17353), (693, 17455), (700, 17476), (705, 17488), (715, 17518), (734, 17617), (746, 17680), (814, 17899), (823, 17932), (872, 18214), (885, 18301), (892, 18340), (894, 18355),

Gene: Sunhee_24 Start: 15812, Stop: 18205, Start Num: 142

Candidate Starts for Sunhee_24:

(Start: 135 @15794 has 6 MA's), (Start: 142 @15812 has 5 MA's), (153, 15845), (195, 15947), (207, 15989), (233, 16043), (267, 16157), (278, 16211), (292, 16256), (308, 16319), (314, 16352), (337, 16448), (384, 16673), (453, 16832), (475, 16871), (478, 16886), (490, 16925), (531, 17051), (565, 17111), (630, 17267), (652, 17333), (663, 17357), (676, 17408), (699, 17468), (712, 17501), (720, 17546), (722, 17555), (734, 17612), (746, 17687), (749, 17699), (759, 17723), (799, 17777), (807, 17795), (848, 17936), (863, 18005), (891, 18146),

Gene: Sunshine924_23 Start: 15894, Stop: 18374, Start Num: 106

Candidate Starts for Sunshine924_23:

(Start: 106 @15894 has 199 MA's), (119, 15933), (141, 15996), (Start: 151 @16026 has 22 MA's), (174, 16068), (278, 16275), (284, 16293), (308, 16383), (322, 16446), (330, 16470), (332, 16482), (341, 16533), (451, 16917), (518, 17019), (529, 17058), (549, 17085), (559, 17109), (619, 17238), (655, 17337), (693, 17439), (700, 17460), (705, 17472), (715, 17502), (734, 17601), (746, 17664), (814, 17883), (823, 17916), (872, 18198), (885, 18285), (892, 18324), (894, 18339),

Gene: SuperAwesome_29 Start: 16728, Stop: 18932, Start Num: 124

Candidate Starts for SuperAwesome_29:

(65, 16569), (98, 16683), (Start: 124 @16728 has 42 MA's), (166, 16839), (168, 16845), (206, 16953), (217, 16995), (239, 17061), (267, 17154), (276, 17181), (308, 17304), (314, 17337), (336, 17427), (349, 17496), (404, 17739), (495, 17877), (599, 17997), (701, 18150), (734, 18213), (743, 18255), (770, 18354), (776, 18375), (783, 18396), (792, 18417), (806, 18468), (808, 18480), (813, 18495), (835, 18576), (847, 18654),

Gene: SuperCallie99_29 Start: 16727, Stop: 18931, Start Num: 124

Candidate Starts for SuperCallie99_29:

(65, 16568), (98, 16682), (Start: 124 @16727 has 42 MA's), (166, 16838), (168, 16844), (206, 16952), (217, 16994), (256, 17117), (267, 17153), (276, 17180), (308, 17303), (314, 17336), (336, 17426), (349, 17495), (404, 17738), (495, 17876), (599, 17996), (701, 18149), (734, 18212), (743, 18254), (770, 18353), (776, 18374), (783, 18395), (792, 18416), (806, 18467), (808, 18479), (813, 18494), (835, 18575), (847, 18653),

Gene: Superchunk_25 Start: 15270, Stop: 17795, Start Num: 100

Candidate Starts for Superchunk_25:

(Start: 100 @15270 has 4 MA's), (105, 15288), (141, 15393), (168, 15459), (170, 15462), (171, 15465), (230, 15585), (257, 15666), (272, 15711), (292, 15786), (304, 15828), (314, 15882), (318, 15903), (330, 15936), (334, 15957), (337, 15978), (338, 15981), (375, 16167), (382, 16194), (385, 16209), (397, 16263), (402, 16284), (419, 16350), (499, 16575), (503, 16590), (508, 16617), (511, 16620), (534, 16695), (548, 16719), (549, 16722), (558, 16740), (595, 16803), (596, 16806), (609, 16845), (612, 16857), (642, 16944), (648, 16956), (673, 17016), (674, 17019), (686, 17043), (699, 17073), (712, 17106), (742, 17247), (759, 17313), (802, 17376), (858, 17574), (863, 17595), (876, 17670), (886, 17706), (898, 17781),

Gene: SweetiePie_26 Start: 16547, Stop: 19084, Start Num: 103

Candidate Starts for SweetiePie_26:

(Start: 103 @16547 has 89 MA's), (168, 16724), (170, 16727), (171, 16730), (Start: 182 @16760 has 15 MA's), (242, 16898), (249, 16919), (251, 16928), (261, 16949), (272, 16982), (287, 17042), (292, 17057), (305, 17108), (315, 17156), (318, 17174), (330, 17207), (332, 17219), (333, 17222), (334, 17228), (337, 17249), (338, 17252), (354, 17339), (375, 17438), (385, 17480), (386, 17489), (388, 17498), (400, 17546), (402, 17555), (419, 17621), (433, 17660), (499, 17846), (503, 17861), (512, 17894), (526, 17945), (534, 17966), (542, 17981), (548, 17990), (556, 18005), (595, 18074), (648, 18227), (657, 18248), (712, 18377), (720, 18422), (725, 18434), (730, 18470), (802, 18650), (806, 18659), (842, 18770), (847, 18800), (863, 18884),

Gene: SwirlSquare_28 Start: 15461, Stop: 17965, Start Num: 105

Candidate Starts for SwirlSquare_28:

(Start: 100 @15443 has 4 MA's), (105, 15461), (141, 15566), (170, 15635), (171, 15638), (249, 15821), (272, 15884), (279, 15917), (292, 15959), (318, 16076), (330, 16109), (333, 16124), (334, 16130), (337, 16151), (338, 16154), (375, 16340), (382, 16367), (385, 16382), (397, 16436), (402, 16457), (419, 16523), (499, 16748), (503, 16763), (512, 16796), (530, 16859), (534, 16868), (548, 16892), (549, 16895), (558, 16913), (573, 16949), (595, 16976), (596, 16979), (609, 17018), (612, 17030), (613, 17033), (642, 17117), (673, 17189), (686, 17216), (699, 17246), (712, 17279), (730,

17372), (759, 17486), (802, 17549), (858, 17747), (863, 17768), (876, 17843),

Gene: Swirley_22 Start: 15214, Stop: 18558, Start Num: 1

Candidate Starts for Swirley_22:

(Start: 1 @15214 has 30 MA's), (37, 15652), (122, 15964), (144, 16042), (154, 16072), (175, 16129), (204, 16213), (220, 16276), (222, 16282), (262, 16402), (287, 16492), (288, 16495), (308, 16570), (317, 16615), (322, 16633), (326, 16645), (334, 16678), (337, 16699), (376, 16891), (409, 17029), (425, 17077), (459, 17155), (461, 17158), (504, 17254), (514, 17281), (533, 17317), (538, 17329), (570, 17386), (650, 17578), (669, 17608), (677, 17632), (683, 17644), (706, 17707), (734, 17830), (739, 17851), (743, 17872), (762, 17950), (770, 17971), (783, 18013), (792, 18034), (816, 18121), (825, 18151), (839, 18214), (842, 18232), (856, 18313), (860, 18325), (862, 18337), (864, 18346), (875, 18400), (888, 18484), (893, 18523),

Gene: SwissCheese_24 Start: 16366, Stop: 18837, Start Num: 106

Candidate Starts for SwissCheese_24:

(Start: 106 @16366 has 199 MA's), (119, 16405), (141, 16468), (Start: 151 @16498 has 22 MA's), (160, 16519), (174, 16540), (178, 16552), (186, 16570), (255, 16660), (308, 16858), (314, 16891), (332, 16957), (381, 17212), (385, 17233), (390, 17260), (467, 17419), (490, 17455), (542, 17548), (552, 17569), (583, 17626), (630, 17746), (639, 17782), (655, 17812), (666, 17848), (693, 17914), (700, 17935), (734, 18076), (769, 18217), (778, 18238), (822, 18373), (852, 18550), (872, 18661), (878, 18703), (885, 18748), (892, 18787),

Gene: Switzer_25 Start: 16505, Stop: 18973, Start Num: 106

Candidate Starts for Switzer_25:

(Start: 106 @16505 has 199 MA's), (112, 16520), (Start: 151 @16634 has 22 MA's), (160, 16655), (174, 16676), (186, 16706), (236, 16730), (243, 16751), (255, 16796), (308, 16994), (314, 17027), (332, 17093), (381, 17348), (385, 17369), (390, 17396), (467, 17555), (490, 17591), (542, 17684), (552, 17705), (559, 17720), (569, 17741), (571, 17744), (606, 17813), (616, 17849), (630, 17882), (639, 17918), (655, 17948), (666, 17984), (693, 18050), (700, 18071), (715, 18113), (734, 18212), (769, 18353), (778, 18374), (822, 18509), (852, 18686), (872, 18797), (885, 18884), (892, 18923), (896, 18953),

Gene: Switzerland_28 Start: 16038, Stop: 18224, Start Num: 182

Candidate Starts for Switzerland_28:

(Start: 115 @15861 has 1 MA's), (Start: 117 @15870 has 4 MA's), (Start: 182 @16038 has 15 MA's), (262, 16278), (263, 16284), (283, 16353), (299, 16410), (334, 16554), (341, 16596), (350, 16644), (351, 16647), (374, 16758), (377, 16776), (404, 16881), (417, 16929), (486, 17034), (515, 17094), (546, 17148), (564, 17184), (582, 17208), (591, 17217), (617, 17280), (627, 17301), (632, 17316), (639, 17340), (646, 17352), (677, 17406), (690, 17427), (701, 17457), (754, 17628), (760, 17649), (792, 17733), (864, 18036), (889, 18159), (891, 18171),

Gene: Swole_26 Start: 16832, Stop: 19303, Start Num: 106

Candidate Starts for Swole_26:

(Start: 106 @16832 has 199 MA's), (119, 16871), (141, 16934), (Start: 151 @16964 has 22 MA's), (160, 16985), (174, 17006), (178, 17018), (186, 17036), (255, 17126), (308, 17324), (314, 17357), (332, 17423), (381, 17678), (385, 17699), (390, 17726), (467, 17885), (490, 17921), (542, 18014), (552, 18035), (583, 18092), (630, 18212), (639, 18248), (655, 18278), (666, 18314), (693, 18380), (700, 18401), (734, 18542), (769, 18683), (778, 18704), (822, 18839), (852, 19016), (872, 19127), (882, 19193), (885, 19214), (892, 19253), (894, 19268),

Gene: SydNat_22 Start: 15349, Stop: 18762, Start Num: 1

Candidate Starts for SydNat_22:

(Start: 1 @15349 has 30 MA's), (3, 15409), (12, 15562), (15, 15601), (37, 15787), (76, 16015), (81, 16027), (85, 16039), (122, 16171), (144, 16249), (154, 16279), (175, 16336), (220, 16483), (222, 16489), (226, 16495), (263, 16621), (267, 16633), (308, 16783), (315, 16819), (322, 16849), (327, 16864), (334, 16894), (335, 16906), (340, 16930), (353, 16999), (371, 17065), (404, 17221), (423, 17290), (425, 17293), (438, 17320), (447, 17344), (512, 17482), (524, 17503), (549, 17548), (570, 17590), (650, 17782), (669, 17812), (677, 17836), (683, 17848), (693, 17869), (706, 17911), (726, 17998), (734, 18034), (739, 18055), (743, 18076), (762, 18154), (770, 18175), (776, 18196), (783, 18217), (792, 18238), (799, 18262), (816, 18325), (839, 18418), (842, 18436), (856, 18517), (860, 18529), (862, 18541), (864, 18550), (875, 18604), (888, 18688), (889, 18697),

Gene: TNguyen7_25 Start: 15465, Stop: 18500, Start Num: 39

Candidate Starts for TNguyen7_25:

(Start: 39 @15465 has 32 MA's), (64, 15639), (67, 15651), (78, 15684), (139, 15894), (183, 16014), (185, 16017), (251, 16221), (261, 16242), (270, 16272), (272, 16275), (288, 16338), (292, 16350), (301, 16383), (305, 16401), (320, 16470), (322, 16476), (327, 16491), (330, 16500), (332, 16512), (334, 16521), (351, 16614), (375, 16731), (376, 16734), (382, 16758), (383, 16761), (385, 16773), (397, 16827), (402, 16848), (406, 16869), (419, 16914), (429, 16941), (433, 16953), (484, 17094), (499, 17139), (503, 17154), (522, 17229), (526, 17238), (540, 17268), (548, 17283), (549, 17286), (558, 17304), (567, 17325), (568, 17328), (595, 17367), (596, 17370), (624, 17454), (648, 17520), (657, 17541), (673, 17580), (692, 17619), (700, 17640), (712, 17670), (713, 17673), (715, 17682), (719, 17706), (734, 17775), (738, 17796), (750, 17865), (757, 17883), (771, 17931), (775, 17943), (797, 17985), (800, 17997), (810, 18045), (848, 18216), (852, 18246), (860, 18276), (864, 18297), (889, 18432), (896, 18480),

Gene: Taquarus_25 Start: 15888, Stop: 18488, Start Num: 104

Candidate Starts for Taquarus_25:

(Start: 104 @15888 has 113 MA's), (Start: 151 @16029 has 22 MA's), (Start: 162 @16047 has 10 MA's), (233, 16254), (245, 16293), (251, 16323), (284, 16440), (292, 16467), (308, 16530), (322, 16593), (334, 16638), (341, 16680), (357, 16764), (446, 17031), (474, 17082), (489, 17127), (519, 17205), (532, 17244), (614, 17412), (622, 17433), (632, 17457), (657, 17523), (683, 17577), (700, 17625), (719, 17691), (750, 17856), (757, 17874), (803, 18000), (856, 18252), (857, 18255), (860, 18264), (872, 18324), (889, 18420), (896, 18468),

Gene: Target_26 Start: 17225, Stop: 19837, Start Num: 106

Candidate Starts for Target_26:

(102, 17213), (Start: 106 @17225 has 199 MA's), (119, 17264), (141, 17327), (143, 17333), (Start: 151 @17357 has 22 MA's), (174, 17399), (195, 17450), (278, 17738), (284, 17756), (308, 17846), (322, 17909), (330, 17933), (332, 17945), (341, 17996), (451, 18380), (518, 18482), (529, 18521), (542, 18536), (549, 18548), (559, 18572), (655, 18800), (693, 18902), (700, 18923), (715, 18965), (734, 19064), (746, 19127), (814, 19346), (823, 19379), (872, 19661), (885, 19748), (892, 19787),

Gene: TarsusIV_26 Start: 16638, Stop: 19166, Start Num: 103

Candidate Starts for TarsusIV_26:

(Start: 103 @16638 has 89 MA's), (116, 16677), (119, 16683), (146, 16764), (Start: 151 @16779 has 22 MA's), (170, 16818), (195, 16863), (242, 16989), (249, 17010), (251, 17019), (261, 17040), (272, 17073), (292, 17148), (302, 17187), (304, 17190), (305, 17199), (309, 17220), (313, 17235), (315, 17247), (318, 17265), (330, 17298), (334, 17319), (337, 17340), (338, 17343), (375, 17529), (385, 17571), (386, 17580), (397, 17625), (402, 17646), (419, 17712), (433, 17751), (472, 17844), (499, 17937), (502, 17949), (548, 18081), (566, 18117), (577, 18144), (595, 18165), (596, 18168), (648, 18318), (657, 18339), (712, 18468), (716, 18483), (718, 18501), (730, 18561), (742, 18609), (791, 18714), (806, 18747), (826, 18771), (847, 18888), (863, 18966), (892, 19113),

Gene: Tarynearal_21 Start: 15242, Stop: 18580, Start Num: 1

Candidate Starts for Tarynearal_21:

(Start: 1 @15242 has 30 MA's), (37, 15680), (122, 15992), (144, 16070), (154, 16100), (175, 16157), (204, 16241), (220, 16304), (222, 16310), (262, 16430), (287, 16520), (288, 16523), (308, 16598), (317, 16643), (322, 16661), (334, 16706), (337, 16727), (376, 16919), (409, 17057), (425, 17105), (459, 17183), (514, 17309), (524, 17321), (533, 17345), (570, 17408), (650, 17600), (669, 17630), (677, 17654), (683, 17666), (706, 17729), (734, 17852), (739, 17873), (743, 17894), (762, 17972), (770, 17993), (783, 18035), (792, 18056), (816, 18143), (825, 18173), (839, 18236), (842, 18254), (856, 18335), (860, 18347), (862, 18359), (864, 18368), (875, 18422), (888, 18506), (893, 18545),

Gene: Tasp14_25 Start: 16593, Stop: 19064, Start Num: 106

Candidate Starts for Tasp14_25:

(Start: 106 @16593 has 199 MA's), (119, 16632), (141, 16695), (Start: 151 @16725 has 22 MA's), (160, 16746), (174, 16767), (186, 16797), (236, 16821), (255, 16887), (308, 17085), (314, 17118), (332, 17184), (381, 17439), (385, 17460), (390, 17487), (467, 17646), (490, 17682), (542, 17775), (552, 17796), (583, 17853), (630, 17973), (639, 18009), (655, 18039), (666, 18075), (693, 18141), (700, 18162), (734, 18303), (769, 18444), (778, 18465), (822, 18600), (852, 18777), (872, 18888), (882, 18954), (885, 18975), (892, 19014), (896, 19044),

Gene: Taurus_27 Start: 15978, Stop: 19004, Start Num: 40

Candidate Starts for Taurus_27:

(31, 15924), (Start: 40 @15978 has 81 MA's), (56, 16092), (66, 16158), (67, 16161), (73, 16170), (84, 16206), (94, 16257), (118, 16329), (139, 16401), (183, 16521), (185, 16524), (207, 16593), (219, 16638), (251, 16731), (257, 16740), (263, 16758), (272, 16785), (288, 16848), (292, 16860), (301, 16893), (305, 16911), (318, 16977), (320, 16980), (322, 16986), (327, 17001), (330, 17010), (332, 17022), (334, 17031), (347, 17109), (351, 17124), (375, 17241), (376, 17244), (383, 17271), (385, 17283), (397, 17337), (402, 17358), (419, 17424), (433, 17463), (472, 17556), (484, 17604), (499, 17649), (512, 17697), (522, 17739), (526, 17748), (540, 17778), (541, 17781), (548, 17793), (573, 17850), (577, 17856), (595, 17877), (596, 17880), (642, 18018), (648, 18030), (673, 18090), (699, 18147), (734, 18285), (738, 18306), (742, 18330), (750, 18375), (757, 18393), (771, 18441), (775, 18453), (797, 18495), (811, 18558), (832, 18615), (841, 18684), (848, 18720), (864, 18801), (889, 18936),

Gene: Teodoridan_22 Start: 15736, Stop: 18207, Start Num: 106

Candidate Starts for Teodoridan_22:

(Start: 106 @15736 has 199 MA's), (119, 15775), (141, 15838), (Start: 151 @15868 has 22 MA's), (160, 15889), (174, 15910), (178, 15922), (186, 15940), (255, 16030), (308, 16228), (314, 16261), (332, 16327), (381, 16582), (385, 16603), (390, 16630), (467, 16789), (490, 16825), (542, 16918), (552, 16939), (583, 16996), (630, 17116), (639, 17152), (655, 17182), (666, 17218), (693, 17284), (700, 17305), (734, 17446), (769, 17587), (778, 17608), (822, 17743), (852, 17920), (872, 18031), (885, 18118), (892, 18157), (894, 18172),

Gene: Texage_25 Start: 16044, Stop: 19082, Start Num: 39

Candidate Starts for Texage_25:

(Start: 39 @16044 has 32 MA's), (64, 16218), (67, 16230), (78, 16263), (139, 16470), (147, 16491), (183, 16590), (185, 16593), (251, 16803), (261, 16824), (272, 16857), (288, 16920), (292, 16932), (301, 16965), (305, 16983), (309, 17004), (320, 17052), (322, 17058), (327, 17073), (330, 17082), (332, 17094), (334, 17103), (351, 17196), (375, 17313), (376, 17316), (383, 17343), (385, 17355), (397, 17409), (402, 17430), (419, 17496), (433, 17535), (484, 17676), (499, 17721), (522, 17811), (526, 17820), (540, 17850), (567, 17907), (573, 17922), (595, 17949), (596, 17952), (603, 17970), (638, 18081), (673, 18162), (699, 18219), (714, 18261), (734, 18357), (738, 18378), (742, 18402), (750, 18447), (757, 18465), (771, 18513), (775, 18525), (797, 18567), (800, 18579), (810, 18627), (848, 18798), (860, 18858), (862, 18870), (869, 18897), (872, 18918), (889, 19014), (896, 19062),

Gene: Thanksgivukkah_25 Start: 15889, Stop: 18489, Start Num: 104

Candidate Starts for Thanksgivukkah_25:

(Start: 104 @15889 has 113 MA's), (Start: 151 @16030 has 22 MA's), (Start: 162 @16048 has 10 MA's), (233, 16255), (245, 16294), (251, 16324), (284, 16441), (292, 16468), (308, 16531), (322, 16594), (334, 16639), (341, 16681), (357, 16765), (446, 17032), (474, 17083), (489, 17128), (519, 17206), (530, 17239), (532, 17245), (545, 17266), (614, 17413), (622, 17434), (632, 17458), (657, 17524), (683, 17578), (700, 17626), (719, 17692), (750, 17857), (757, 17875), (803, 18001), (856, 18253), (857, 18256), (860, 18265), (872, 18325), (889, 18421), (896, 18469),

Gene: Theia_20 Start: 15180, Stop: 18518, Start Num: 1

Candidate Starts for Theia_20:

(Start: 1 @15180 has 30 MA's), (37, 15618), (122, 15930), (130, 15972), (144, 16008), (154, 16038), (175, 16095), (204, 16179), (220, 16242), (222, 16248), (256, 16350), (262, 16368), (288, 16461), (308, 16536), (317, 16581), (322, 16599), (334, 16644), (337, 16665), (376, 16857), (389, 16917), (409, 16995), (425, 17043), (459, 17121), (514, 17247), (524, 17259), (533, 17283), (570, 17346), (650, 17538), (669, 17568), (677, 17592), (683, 17604), (706, 17667), (734, 17790), (739, 17811), (743, 17832), (762, 17910), (770, 17931), (783, 17973), (792, 17994), (803, 18030), (816, 18081), (825, 18111), (839, 18174), (842, 18192), (856, 18273), (860, 18285), (862, 18297), (864, 18306), (875, 18360), (888, 18444), (893, 18483),

Gene: TheloniousMonk_26 Start: 17647, Stop: 20478, Start Num: 107

Candidate Starts for TheloniousMonk_26:

(Start: 107 @17647 has 8 MA's), (112, 17662), (128, 17716), (250, 17959), (256, 17974), (271, 18019), (298, 18139), (303, 18157), (310, 18205), (319, 18250), (332, 18295), (333, 18298), (341, 18346), (378, 18529), (385, 18556), (405, 18640), (420, 18697), (428, 18715), (441, 18760), (456, 18796), (479, 18856), (491, 18904), (510, 18967), (512, 18970), (550, 19087), (565, 19123), (574, 19150), (581, 19162), (585, 19180), (589, 19195), (611, 19258), (653, 19387), (667, 19432), (677, 19465), (683, 19477), (740, 19702), (758, 19789), (759, 19792), (765, 19810), (821, 20014), (852, 20191), (872, 20302), (885, 20389), (892, 20428), (894, 20443),

Gene: Thor_24 Start: 16468, Stop: 18939, Start Num: 106

Candidate Starts for Thor_24:

(Start: 106 @16468 has 199 MA's), (119, 16507), (141, 16570), (Start: 151 @16600 has 22 MA's), (160, 16621), (174, 16642), (186, 16672), (236, 16696), (243, 16717), (255, 16762), (308, 16960), (314, 16993), (332, 17059), (381, 17314), (385, 17335), (390, 17362), (395, 17377), (402, 17401), (440, 17488), (467, 17521), (490, 17557), (542, 17650), (552, 17671), (559, 17686), (569, 17707), (571, 17710), (606, 17779), (616, 17815), (630, 17848), (639, 17884), (655, 17914), (666, 17950), (693, 18016), (700, 18037), (734, 18178), (769, 18319), (778, 18340), (822, 18475), (839, 18571), (852, 18652), (872, 18763), (885, 18850), (892, 18889), (894, 18904),

Gene: Tiffany_27 Start: 15873, Stop: 18899, Start Num: 40

Candidate Starts for Tiffany_27:

(31, 15819), (Start: 40 @15873 has 81 MA's), (56, 15987), (66, 16053), (67, 16056), (73, 16065), (84, 16101), (94, 16152), (118, 16224), (139, 16296), (183, 16416), (185, 16419), (207, 16488), (219, 16533), (251, 16626), (257, 16635), (263, 16653), (272, 16680), (288, 16743), (292, 16755), (301, 16788), (305, 16806), (318, 16872), (320, 16875), (322, 16881), (327, 16896), (330, 16905), (332, 16917), (334, 16926), (347, 17004), (351, 17019), (375, 17136), (376, 17139), (383, 17166), (385, 17178), (397, 17232), (402, 17253), (419, 17319), (433, 17358), (472, 17451), (484, 17499), (499, 17544), (512, 17592), (522, 17634), (526, 17643), (540, 17673), (541, 17676), (548, 17688), (573, 17745), (577, 17751), (595, 17772), (596, 17775), (642, 17913), (648, 17925), (673, 17985), (699, 18042), (734, 18180), (738, 18201), (742, 18225), (750, 18270), (757, 18288), (771, 18336), (775, 18348), (797, 18390), (811, 18453), (832, 18510), (841, 18579), (848, 18615), (864, 18696), (889, 18831),

Gene: Tiger_22 Start: 15067, Stop: 18402, Start Num: 1

Candidate Starts for Tiger_22:

(Start: 1 @15067 has 30 MA's), (37, 15505), (122, 15817), (144, 15895), (154, 15925), (175, 15982), (204, 16066), (220, 16129), (222, 16135), (262, 16255), (287, 16345), (288, 16348), (308, 16423), (322, 16486), (334, 16531), (337, 16552), (376, 16744), (402, 16849), (409, 16882), (425, 16930), (459, 17008), (461, 17011), (504, 17107), (514, 17134), (533, 17170), (570, 17230), (650, 17422), (669, 17452), (677, 17476), (683, 17488), (706, 17551), (734, 17674), (739, 17695), (743, 17716), (762, 17794), (770, 17815), (783, 17857), (792, 17878), (816, 17965), (825, 17995), (839, 18058), (842, 18076), (856, 18157), (860, 18169), (862, 18181), (864, 18190), (875, 18244), (888, 18328), (889, 18337), (893, 18367),

Gene: Timothy_26 Start: 17157, Stop: 19703, Start Num: 113

Candidate Starts for Timothy_26:

(Start: 113 @17157 has 22 MA's), (Start: 120 @17175 has 2 MA's), (186, 17349), (194, 17358), (217, 17433), (260, 17541), (264, 17556), (265, 17559), (272, 17577), (288, 17640), (292, 17652), (308, 17715), (322, 17778), (327, 17793), (330, 17802), (334, 17823), (338, 17847), (341, 17862), (359, 17949), (361, 17952), (366, 17967), (370, 17988), (372, 18000), (381, 18066), (389, 18108), (395, 18129), (396, 18138), (404, 18162), (436, 18243), (439, 18252), (443, 18264), (466, 18306), (497, 18363), (515, 18417), (560, 18525), (575, 18564), (628, 18705), (674, 18801), (681, 18822), (694, 18855), (711, 18888), (713, 18891), (733, 18975), (743, 19020), (744, 19023), (772, 19137), (783, 19170), (806, 19242), (816, 19278), (835, 19350), (847, 19428), (857, 19482), (863, 19506), (886, 19617),

Gene: Timshel_26 Start: 17496, Stop: 20864, Start Num: 17

Candidate Starts for Timshel_26:

(Start: 17 @17496 has 4 MA's), (32, 17625), (41, 17679), (48, 17721), (75, 17883), (116, 18033), (147, 18135), (198, 18270), (261, 18468), (279, 18534), (287, 18561), (288, 18564), (292, 18576), (308, 18639), (309, 18648), (314, 18672), (322, 18702), (334, 18747), (338, 18771), (370, 18915), (375, 18957), (382, 18984), (385, 18999), (394, 19038), (397, 19053), (402, 19074), (416, 19131), (419, 19140), (421, 19149), (445, 19224), (477, 19290), (500, 19368), (514, 19422), (534, 19485), (542, 19500), (558, 19530), (565, 19542), (566, 19545), (572, 19563), (577, 19572), (584, 19587), (587, 19605), (596, 19638), (603, 19656), (621, 19719), (638, 19785), (642, 19794), (644, 19797), (648, 19806), (649, 19809), (652, 19818), (656, 19827), (665, 19860), (668, 19872), (675, 19896), (689, 19926), (715, 20004), (717, 20016), (718, 20025), (719, 20028), (720, 20037), (722, 20046), (738, 20124), (742, 20148), (750, 20193), (757, 20211), (774, 20268), (780, 20286), (785, 20310), (790, 20319), (797, 20340), (803, 20361), (804, 20373), (809, 20394), (820, 20433), (829, 20466), (842, 20547), (848, 20580), (857, 20631), (862, 20652), (868, 20676), (879, 20742), (882, 20757), (883, 20763),

Gene: TinaFeyge_25 Start: 16023, Stop: 18482, Start Num: 151

Candidate Starts for TinaFeyge_25:

(Start: 104 @15882 has 113 MA's), (Start: 151 @16023 has 22 MA's), (Start: 162 @16041 has 10 MA's), (203, 16155), (233, 16248), (245, 16287), (251, 16317), (284, 16434), (292, 16461), (308, 16524), (322, 16587), (334, 16632), (341, 16674), (357, 16758), (446, 17025), (474, 17076), (489, 17121), (519, 17199), (532, 17238), (545, 17259), (614, 17406), (622, 17427), (632, 17451), (655, 17511), (657, 17517), (659, 17520), (683, 17571), (700, 17619), (719, 17685), (750, 17850), (757, 17868), (803, 17994), (856, 18246), (857, 18249), (860, 18258), (872, 18318), (889, 18414), (896, 18462),

Gene: TinyTimmy_26 Start: 17200, Stop: 19746, Start Num: 113

Candidate Starts for TinyTimmy_26:

(Start: 113 @17200 has 22 MA's), (Start: 120 @17218 has 2 MA's), (186, 17392), (194, 17401), (217, 17476), (245, 17530), (260, 17584), (264, 17599), (265, 17602), (272, 17620), (288, 17683), (292, 17695), (308, 17758), (322, 17821), (327, 17836), (330, 17845), (334, 17866), (338, 17890), (341, 17905), (359, 17992), (361, 17995), (366, 18010), (370, 18031), (372, 18043), (381, 18109), (389, 18151), (395, 18172), (396, 18181), (404, 18205), (436, 18286), (439, 18295), (443, 18307), (466, 18349), (497, 18406), (515, 18460), (560, 18568), (575, 18607), (628, 18748), (674, 18844), (681, 18865), (694, 18898), (711, 18931), (713, 18934), (733, 19018), (743, 19063), (744, 19066), (772, 19180), (783, 19213), (806, 19285), (816, 19321), (835, 19393), (847, 19471), (857, 19525), (863, 19549), (886, 19660),

Gene: Tinybot_24 Start: 16003, Stop: 18462, Start Num: 151

Candidate Starts for Tinybot_24:

(Start: 104 @15862 has 113 MA's), (Start: 151 @16003 has 22 MA's), (Start: 162 @16021 has 10 MA's), (214, 16177), (233, 16228), (245, 16267), (251, 16297), (284, 16414), (292, 16441), (308, 16504), (322, 16567), (334, 16612), (341, 16654), (357, 16738), (403, 16921), (446, 17005), (474, 17056), (489, 17101), (519, 17179), (530, 17212), (532, 17218), (597, 17332), (614, 17386), (632, 17431), (655, 17491), (683, 17551), (719, 17665), (750, 17830), (757, 17848), (803, 17974), (856, 18226), (857, 18229), (860, 18238), (871, 18295), (872, 18298), (880, 18343), (889, 18394), (896, 18442),

Gene: TopsytheTRex_25 Start: 15744, Stop: 18260, Start Num: 103

Candidate Starts for TopsytheTRex_25:

(Start: 103 @15744 has 89 MA's), (141, 15855), (168, 15921), (170, 15924), (171, 15927), (249, 16113), (251, 16122), (257, 16131), (292, 16251), (305, 16302), (316, 16359), (320, 16371), (324, 16377), (327, 16392), (332, 16413), (334, 16422), (343, 16470), (375, 16632), (383, 16662), (385, 16674), (394, 16713), (397, 16728), (402, 16749), (416, 16806), (419, 16815), (429, 16842), (470, 16941), (499, 17040), (503, 17055), (526, 17139), (534, 17160), (558, 17205), (595, 17268), (596, 17271), (609, 17310), (612, 17322), (615, 17337), (648, 17421), (673, 17481), (686, 17508), (712, 17571), (716, 17586), (720, 17616), (742, 17712), (759, 17778), (802, 17841), (857, 18036), (858, 18039), (863, 18060), (896, 18237), (899, 18246),

Gene: TiroTheta9_25 Start: 15882, Stop: 18482, Start Num: 104

Candidate Starts for TiroTheta9_25:

(Start: 104 @15882 has 113 MA's), (Start: 151 @16023 has 22 MA's), (Start: 162 @16041 has 10 MA's), (233, 16248), (245, 16287), (251, 16317), (284, 16434), (292, 16461), (308, 16524), (322, 16587), (334, 16632), (341, 16674), (357, 16758), (412, 16965), (446, 17025), (474, 17076), (489, 17121), (519, 17199), (530, 17232), (532, 17238), (614, 17406), (622, 17427), (632, 17451), (655, 17511), (657, 17517), (659, 17520), (683, 17571), (700, 17619), (719, 17685), (750, 17850), (757, 17868), (803, 17994), (856, 18246), (857, 18249), (860, 18258), (872, 18318), (889, 18414), (896, 18462),

Gene: Toaka_25 Start: 15938, Stop: 18865, Start Num: 54

Candidate Starts for Toaka_25:

(Start: 54 @15938 has 33 MA's), (56, 15950), (62, 15980), (91, 16109), (164, 16340), (183, 16394), (223, 16523), (253, 16610), (257, 16616), (259, 16622), (292, 16736), (296, 16757), (301, 16769), (305, 16787), (314, 16832), (318, 16853), (320, 16856), (327, 16877), (332, 16898), (334, 16907), (335, 16919), (336, 16922), (345, 16967), (351, 17000), (353, 17012), (375, 17117), (397, 17213), (402, 17234), (404, 17243), (406, 17255), (412, 17279), (416, 17291), (419, 17300), (421, 17309), (433, 17339), (454, 17402), (472, 17432), (479, 17459), (534, 17645), (558, 17690), (567, 17711), (573, 17726), (577, 17732), (595, 17753), (596, 17756), (613, 17810), (633, 17864), (637, 17882), (648, 17906), (673, 17966), (712, 18056), (715, 18068), (719, 18092), (720, 18101), (734, 18167), (745, 18233), (750, 18257), (797, 18377), (827, 18470), (841, 18548), (846, 18575), (848, 18584), (854, 18623), (856, 18632), (857, 18635), (876, 18734), (889, 18788), (891, 18800), (897, 18842),

Gene: Todacoro_26 Start: 16043, Stop: 19081, Start Num: 39

Candidate Starts for Todacoro_26:

(Start: 39 @16043 has 32 MA's), (64, 16217), (67, 16229), (78, 16262), (139, 16469), (147, 16490), (183, 16589), (185, 16592), (251, 16802), (257, 16811), (261, 16823), (272, 16856), (288, 16919), (292, 16931), (301, 16964), (305, 16982), (309, 17003), (320, 17051), (322, 17057), (327, 17072), (330, 17081), (332, 17093), (334, 17102), (351, 17195), (375, 17312), (376, 17315), (383, 17342), (385, 17354), (397, 17408), (402, 17429), (419, 17495), (433, 17534), (484, 17675), (499, 17720), (522, 17810), (526, 17819), (540, 17849), (567, 17906), (573, 17921), (595, 17948), (596, 17951), (603, 17969), (638, 18080), (673, 18161), (699, 18218), (714, 18260), (734, 18356), (738, 18377), (742, 18401), (750, 18446), (757, 18464), (771, 18512), (775, 18524), (797, 18566), (800, 18578), (810, 18626), (848, 18797), (860, 18857), (862, 18869), (869, 18896), (872, 18917), (889, 19013), (896, 19061),

Gene: Tomathan_29 Start: 16508, Stop: 19021, Start Num: 103

Candidate Starts for Tomathan_29:

(Start: 103 @16508 has 89 MA's), (170, 16688), (171, 16691), (272, 16937), (287, 16997), (292, 17012), (300, 17042), (301, 17045), (318, 17129), (327, 17153), (333, 17177), (337, 17204), (338, 17207), (360, 17312), (375, 17393), (382, 17420), (385, 17435), (397, 17489), (402, 17510), (419, 17576), (426, 17594), (429, 17603), (470, 17702), (479, 17735), (481, 17744), (499, 17801), (503, 17816), (534, 17921), (548, 17945), (596, 18032), (600, 18044), (603, 18050), (612, 18083), (657, 18203), (712, 18332), (716, 18347), (720, 18377), (725, 18389), (730, 18425), (759, 18539), (771, 18551), (799, 18593), (858, 18800), (862, 18818), (863, 18821), (899, 19007),

Gene: ToneTone_27 Start: 16647, Stop: 18863, Start Num: 124

Candidate Starts for ToneTone_27:

(98, 16602), (Start: 124 @16647 has 42 MA's), (166, 16758), (217, 16914), (263, 17061), (267, 17073), (307, 17220), (308, 17223), (314, 17256), (336, 17346), (349, 17415), (368, 17490), (404, 17658), (599, 17916), (628, 17961), (701, 18069), (734, 18132), (743, 18174), (770, 18273), (776, 18294), (792, 18336), (806, 18387), (813, 18414), (835, 18495), (847, 18585),

Gene: Topanga_25 Start: 16006, Stop: 18558, Start Num: 162

Candidate Starts for Topanga_25:

(Start: 101 @15829 has 8 MA's), (Start: 162 @16006 has 10 MA's), (169, 16027), (178, 16051), (190, 16081), (193, 16084), (196, 16093), (207, 16132), (213, 16147), (218, 16171), (236, 16216), (248, 16258), (258, 16291), (261, 16300), (274, 16354), (288, 16408), (291, 16417), (295, 16441), (302, 16462), (323, 16567), (332, 16609), (482, 17131), (517, 17251), (530, 17296), (531, 17299), (532, 17302), (547, 17326), (566, 17371), (582, 17407), (606, 17446), (614, 17479), (659, 17593), (715, 17734), (719, 17758), (734, 17833), (745, 17899), (750, 17923), (757, 17941), (776, 18007), (798, 18061), (803, 18073), (807, 18088), (812, 18109), (818, 18121), (860, 18334), (868, 18370), (871, 18391), (872, 18394), (889, 18490), (896, 18538),

Gene: Topgun_24 Start: 16077, Stop: 18692, Start Num: 106

Candidate Starts for Topgun_24:

(Start: 106 @16077 has 199 MA's), (119, 16116), (141, 16179), (143, 16185), (Start: 151 @16209 has 22 MA's), (243, 16317), (292, 16488), (307, 16548), (308, 16551), (335, 16674), (341, 16704), (353, 16767), (404, 16986), (430, 17058), (450, 17106), (475, 17151), (550, 17376), (555, 17385), (569, 17421), (576, 17436), (586, 17463), (655, 17667), (695, 17781), (700, 17790), (708, 17811), (715, 17832), (734, 17931), (743, 17973), (744, 17976), (784, 18105), (810, 18189), (823, 18234), (852, 18405), (872, 18516), (885, 18603), (892, 18642), (894, 18657),

Gene: Toro_28 Start: 17560, Stop: 20943, Start Num: 17

Candidate Starts for Toro_28:

(Start: 17 @17560 has 4 MA's), (75, 17947), (89, 18004), (127, 18136), (129, 18148), (147, 18199), (201, 18346), (259, 18529), (261, 18535), (272, 18568), (275, 18580), (300, 18673), (305, 18694), (308, 18706), (343, 18862), (346, 18886), (363, 18949), (375, 19024), (385, 19066), (397, 19120), (402, 19141), (416, 19198), (418, 19204), (419, 19207), (445, 19291), (452, 19306), (470, 19333), (472, 19339), (499, 19432), (502, 19444), (503, 19447), (558, 19597), (566, 19612), (572, 19630), (584, 19654), (587, 19672), (588, 19675), (621, 19786), (637, 19849), (638, 19852), (662, 19909), (664, 19915), (675, 19963), (689, 19993), (715, 20071), (717, 20083), (718, 20092), (722, 20113), (738, 20191), (750, 20260), (757, 20278), (769, 20329), (780, 20365), (781, 20377), (795, 20410), (803, 20440), (807, 20461), (820, 20512), (829, 20545), (842, 20626), (848, 20659), (852, 20689), (862, 20731), (868, 20755), (879, 20821), (882, 20836), (883, 20842), (892, 20893),

Gene: Tote_26 Start: 16832, Stop: 19303, Start Num: 106

Candidate Starts for Tote_26:

(Start: 106 @16832 has 199 MA's), (119, 16871), (141, 16934), (Start: 151 @16964 has 22 MA's), (160, 16985), (174, 17006), (178, 17018), (186, 17036), (255, 17126), (308, 17324), (314, 17357), (332, 17423), (381, 17678), (385, 17699), (390, 17726), (467, 17885), (490, 17921), (542, 18014), (552, 18035), (583, 18092), (630, 18212), (639, 18248), (655, 18278), (666, 18314), (693, 18380), (700, 18401), (734, 18542), (769, 18683), (778, 18704), (822, 18839), (852, 19016), (872, 19127), (882, 19193), (885, 19214), (892, 19253), (894, 19268),

Gene: Traft412_26 Start: 17302, Stop: 19782, Start Num: 106

Candidate Starts for Traft412_26:

(Start: 106 @17302 has 199 MA's), (119, 17341), (131, 17386), (141, 17404), (143, 17410), (Start: 151 @17434 has 22 MA's), (174, 17476), (278, 17683), (284, 17701), (308, 17791), (322, 17854), (332, 17890), (341, 17941), (451, 18325), (518, 18427), (529, 18466), (542, 18481), (549, 18493), (559, 18517), (655, 18745), (693, 18847), (700, 18868), (715, 18910), (734, 19009), (746, 19072), (814, 19291), (823, 19324), (872, 19606), (882, 19672), (885, 19693), (892, 19732), (894, 19747),

Gene: Travvers_29 Start: 16508, Stop: 19021, Start Num: 103

Candidate Starts for Travvers_29:

(Start: 103 @16508 has 89 MA's), (170, 16688), (171, 16691), (270, 16934), (272, 16937), (287, 16997), (292, 17012), (300, 17042), (301, 17045), (318, 17129), (327, 17153), (333, 17177), (337, 17204), (338, 17207), (363, 17318), (375, 17393), (382, 17420), (385, 17435), (397, 17489), (402, 17510), (419, 17576), (426, 17594), (429, 17603), (470, 17702), (479, 17735), (481, 17744), (499, 17801), (503, 17816), (534, 17921), (596, 18032), (600, 18044), (603, 18050), (612, 18083), (613, 18086), (657, 18203), (712, 18332), (716, 18347), (720, 18377), (725, 18389), (730, 18425), (759, 18539), (771, 18551), (799, 18593), (858, 18800), (862, 18818), (863, 18821), (899, 19007),

Gene: Treddle_26 Start: 17623, Stop: 20094, Start Num: 106

Candidate Starts for Treddle_26:

(Start: 106 @17623 has 199 MA's), (119, 17662), (141, 17725), (Start: 151 @17755 has 22 MA's), (160, 17776), (174, 17797), (178, 17809), (186, 17827), (255, 17917), (308, 18115), (314, 18148), (332, 18214), (381, 18469), (385, 18490), (390, 18517), (402, 18556), (423, 18613), (440, 18643), (467, 18676), (490, 18712), (542, 18805), (552, 18826), (583, 18883), (630, 19003), (639, 19039), (655, 19069), (666, 19105), (693, 19171), (700, 19192), (715, 19234), (734, 19333), (769, 19474), (778, 19495), (839, 19726), (852, 19807), (872, 19918), (885, 20005), (892, 20044), (896, 20074),

Gene: Trike_23 Start: 13972, Stop: 16527, Start Num: 162

Candidate Starts for Trike_23:

(Start: 101 @13795 has 8 MA's), (Start: 162 @13972 has 10 MA's), (169, 13993), (190, 14047), (196, 14059), (248, 14221), (254, 14242), (258, 14254), (267, 14284), (274, 14317), (285, 14362), (291, 14380), (294, 14395), (295, 14404), (302, 14425), (323, 14530), (332, 14572), (364, 14737), (396, 14899), (482, 15103), (495, 15148), (517, 15223), (531, 15271), (532, 15274), (545, 15295), (547,

15298), (566, 15343), (606, 15418), (607, 15421), (612, 15442), (620, 15466), (644, 15532), (657, 15562), (668, 15574), (699, 15661), (705, 15676), (719, 15730), (734, 15805), (747, 15883), (750, 15895), (757, 15913), (766, 15952), (772, 15964), (776, 15976), (793, 16018), (798, 16030), (803, 16042), (807, 16057), (812, 16078), (818, 16090), (860, 16303), (872, 16363), (880, 16408), (889, 16459), (896, 16507),

Gene: Tripl3t_25 Start: 17314, Stop: 19713, Start Num: 106

Candidate Starts for Tripl3t_25:

(Start: 106 @17314 has 199 MA's), (119, 17353), (141, 17416), (Start: 151 @17446 has 22 MA's), (160, 17467), (174, 17488), (178, 17500), (186, 17518), (243, 17563), (255, 17608), (308, 17806), (314, 17839), (332, 17905), (381, 18160), (385, 18181), (390, 18208), (402, 18247), (423, 18304), (440, 18334), (542, 18496), (616, 18649), (625, 18661), (629, 18676), (679, 18793), (703, 18838), (709, 18859), (710, 18862), (746, 19012), (750, 19027), (769, 19093), (789, 19135), (839, 19345), (852, 19426), (872, 19537), (885, 19624), (892, 19663), (896, 19693),

Gene: Trixie_29 Start: 18274, Stop: 20811, Start Num: 103

Candidate Starts for Trixie_29:

(Start: 103 @18274 has 89 MA's), (141, 18385), (170, 18454), (240, 18619), (242, 18625), (249, 18646), (251, 18655), (269, 18700), (272, 18709), (279, 18742), (292, 18784), (304, 18826), (305, 18835), (309, 18856), (315, 18883), (318, 18901), (334, 18955), (337, 18976), (338, 18979), (375, 19165), (385, 19207), (388, 19225), (400, 19273), (402, 19282), (419, 19348), (429, 19375), (433, 19387), (454, 19450), (462, 19465), (482, 19519), (499, 19573), (512, 19621), (530, 19684), (534, 19693), (558, 19738), (566, 19753), (577, 19780), (578, 19783), (596, 19804), (597, 19810), (604, 19825), (633, 19912), (657, 19975), (668, 19996), (712, 20104), (716, 20119), (720, 20149), (725, 20161), (730, 20197), (749, 20287), (799, 20368), (802, 20377), (806, 20386), (842, 20497), (847, 20527), (862, 20608), (863, 20611),

Gene: Trooper_26 Start: 16433, Stop: 18964, Start Num: 103

Candidate Starts for Trooper_26:

(Start: 103 @16433 has 89 MA's), (116, 16472), (119, 16478), (168, 16610), (170, 16613), (173, 16622), (Start: 182 @16646 has 15 MA's), (242, 16790), (249, 16811), (251, 16820), (259, 16835), (261, 16841), (272, 16874), (279, 16907), (292, 16949), (304, 16991), (305, 17000), (315, 17048), (318, 17066), (330, 17099), (334, 17120), (337, 17141), (338, 17144), (375, 17330), (385, 17372), (386, 17381), (402, 17447), (419, 17513), (433, 17552), (499, 17738), (503, 17753), (512, 17786), (548, 17882), (558, 17903), (577, 17945), (595, 17966), (596, 17969), (642, 18107), (648, 18119), (657, 18140), (700, 18239), (702, 18242), (712, 18269), (716, 18284), (720, 18314), (730, 18362), (742, 18410), (756, 18464), (791, 18515), (806, 18548), (826, 18572), (847, 18689), (861, 18755), (863, 18767),

Gene: Trouble_24 Start: 16670, Stop: 19141, Start Num: 106

Candidate Starts for Trouble_24:

(Start: 106 @16670 has 199 MA's), (119, 16709), (141, 16772), (Start: 151 @16802 has 22 MA's), (160, 16823), (174, 16844), (178, 16856), (186, 16874), (243, 16919), (255, 16964), (308, 17162), (314, 17195), (332, 17261), (381, 17516), (385, 17537), (390, 17564), (467, 17723), (490, 17759), (542, 17852), (552, 17873), (583, 17930), (630, 18050), (639, 18086), (655, 18116), (666, 18152), (693, 18218), (700, 18239), (734, 18380), (769, 18521), (778, 18542), (822, 18677), (852, 18854), (872, 18965), (885, 19052), (892, 19091),

Gene: TroyPia_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for TroyPia_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519,

17202), (530, 17235), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Tubs_27 Start: 17590, Stop: 20499, Start Num: 54

Candidate Starts for Tubs_27:

(Start: 54 @17590 has 33 MA's), (56, 17602), (66, 17662), (110, 17821), (127, 17884), (148, 17947), (164, 17989), (185, 18046), (253, 18256), (257, 18262), (262, 18277), (287, 18367), (288, 18370), (292, 18382), (304, 18424), (314, 18478), (334, 18553), (337, 18574), (338, 18577), (341, 18595), (353, 18658), (371, 18724), (375, 18763), (382, 18790), (385, 18805), (391, 18835), (397, 18859), (400, 18871), (402, 18880), (419, 18946), (433, 18985), (455, 19051), (472, 19078), (479, 19105), (499, 19171), (511, 19216), (534, 19291), (558, 19336), (567, 19357), (577, 19378), (578, 19381), (595, 19399), (596, 19402), (606, 19429), (633, 19510), (648, 19552), (712, 19702), (716, 19717), (720, 19747), (731, 19798), (749, 19885), (751, 19894), (766, 19945), (797, 20008), (803, 20029), (810, 20065), (826, 20101), (827, 20107), (841, 20185), (846, 20212), (857, 20272), (872, 20341), (876, 20371), (882, 20398), (891, 20437), (897, 20479),

Gene: Tucker_29 Start: 16733, Stop: 18949, Start Num: 124

Candidate Starts for Tucker_29:

(98, 16688), (Start: 124 @16733 has 42 MA's), (166, 16844), (217, 17000), (263, 17147), (267, 17159), (307, 17306), (308, 17309), (314, 17342), (336, 17432), (349, 17501), (368, 17576), (404, 17744), (599, 18002), (628, 18047), (701, 18155), (734, 18218), (743, 18260), (770, 18359), (776, 18380), (792, 18422), (806, 18473), (813, 18500), (835, 18581), (847, 18671),

Gene: Turbido_28 Start: 17118, Stop: 19661, Start Num: 103

Candidate Starts for Turbido_28:

(Start: 103 @17118 has 89 MA's), (170, 17298), (171, 17301), (Start: 182 @17331 has 15 MA's), (240, 17469), (242, 17475), (249, 17496), (251, 17505), (257, 17514), (261, 17526), (275, 17571), (279, 17592), (292, 17634), (305, 17685), (314, 17730), (315, 17733), (318, 17751), (330, 17784), (332, 17796), (334, 17805), (337, 17826), (338, 17829), (375, 18015), (385, 18057), (386, 18066), (388, 18075), (402, 18132), (419, 18198), (433, 18237), (472, 18330), (481, 18366), (499, 18423), (518, 18489), (526, 18522), (531, 18537), (534, 18543), (540, 18552), (548, 18567), (558, 18588), (567, 18609), (577, 18630), (578, 18633), (595, 18651), (596, 18654), (612, 18705), (633, 18762), (637, 18780), (648, 18804), (673, 18864), (686, 18891), (712, 18954), (720, 18999), (749, 19137), (802, 19227), (806, 19236), (826, 19260), (842, 19347), (847, 19377), (863, 19461),

Gene: Turj99_23 Start: 16107, Stop: 18578, Start Num: 106

Candidate Starts for Turj99_23:

(Start: 106 @16107 has 199 MA's), (119, 16146), (141, 16209), (Start: 151 @16239 has 22 MA's), (160, 16260), (174, 16281), (178, 16293), (186, 16311), (255, 16401), (308, 16599), (314, 16632), (332, 16698), (381, 16953), (385, 16974), (390, 17001), (467, 17160), (490, 17196), (542, 17289), (552, 17310), (583, 17367), (630, 17487), (639, 17523), (655, 17553), (666, 17589), (693, 17655), (700, 17676), (734, 17817), (769, 17958), (778, 17979), (839, 18210), (852, 18291), (872, 18402), (885, 18489), (892, 18528), (896, 18558),

Gene: Twister_25 Start: 15728, Stop: 18457, Start Num: 101

Candidate Starts for Twister_25:

(Start: 101 @15728 has 8 MA's), (Start: 162 @15905 has 10 MA's), (169, 15926), (178, 15950), (190, 15980), (193, 15983), (196, 15992), (207, 16031), (213, 16046), (218, 16070), (236, 16115), (248, 16157), (258, 16190), (261, 16199), (274, 16253), (288, 16307), (291, 16316), (295, 16340), (302, 16361), (323, 16466), (332, 16508), (482, 17030), (517, 17150), (530, 17195), (531, 17198), (532, 17201), (547, 17225), (566, 17270), (582, 17306), (606, 17345), (614, 17378), (659, 17492), (715, 17633), (719, 17657), (734, 17732), (745, 17798), (750, 17822), (757, 17840), (776, 17906), (798,

17960), (803, 17972), (807, 17987), (812, 18008), (818, 18020), (860, 18233), (868, 18269), (871, 18290), (872, 18293), (889, 18389), (896, 18437),

Gene: TwoPeat_25 Start: 16622, Stop: 19102, Start Num: 106

Candidate Starts for TwoPeat_25:

(Start: 106 @16622 has 199 MA's), (119, 16661), (141, 16724), (Start: 151 @16754 has 22 MA's), (174, 16796), (278, 17003), (284, 17021), (308, 17111), (322, 17174), (330, 17198), (332, 17210), (341, 17261), (451, 17645), (518, 17747), (529, 17786), (549, 17813), (559, 17837), (619, 17966), (655, 18065), (693, 18167), (700, 18188), (705, 18200), (715, 18230), (734, 18329), (746, 18392), (772, 18482), (814, 18611), (823, 18644), (852, 18815), (872, 18926), (882, 18992), (885, 19013), (892, 19052), (896, 19082),

Gene: TygerBlood_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for TygerBlood_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (530, 17235), (532, 17241), (614, 17409), (622, 17430), (632, 17454), (655, 17514), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: U2_24 Start: 16511, Stop: 18979, Start Num: 106

Candidate Starts for U2_24:

(Start: 106 @16511 has 199 MA's), (112, 16526), (Start: 151 @16640 has 22 MA's), (160, 16661), (174, 16682), (186, 16712), (236, 16736), (243, 16757), (255, 16802), (308, 17000), (314, 17033), (332, 17099), (381, 17354), (385, 17375), (390, 17402), (467, 17561), (490, 17597), (542, 17690), (552, 17711), (559, 17726), (569, 17747), (571, 17750), (606, 17819), (616, 17855), (630, 17888), (639, 17924), (655, 17954), (666, 17990), (693, 18056), (700, 18077), (715, 18119), (734, 18218), (769, 18359), (778, 18380), (822, 18515), (852, 18692), (872, 18803), (885, 18890), (892, 18929), (896, 18959),

Gene: Ugenie5_24 Start: 17623, Stop: 20532, Start Num: 54

Candidate Starts for Ugenie5_24:

(Start: 54 @17623 has 33 MA's), (56, 17635), (66, 17695), (127, 17917), (148, 17980), (164, 18022), (185, 18079), (199, 18118), (253, 18289), (257, 18295), (262, 18310), (287, 18400), (288, 18403), (292, 18415), (304, 18457), (314, 18511), (334, 18586), (337, 18607), (338, 18610), (341, 18628), (353, 18691), (371, 18757), (375, 18796), (382, 18823), (385, 18838), (391, 18868), (397, 18892), (402, 18913), (419, 18979), (433, 19018), (455, 19084), (472, 19111), (479, 19138), (499, 19204), (511, 19249), (534, 19324), (558, 19369), (567, 19390), (577, 19411), (578, 19414), (595, 19432), (596, 19435), (606, 19462), (613, 19489), (633, 19543), (712, 19735), (716, 19750), (720, 19780), (731, 19831), (749, 19918), (751, 19927), (766, 19978), (797, 20041), (803, 20062), (810, 20098), (826, 20134), (827, 20140), (841, 20218), (846, 20245), (857, 20305), (872, 20374), (876, 20404), (882, 20431), (891, 20470), (897, 20512),

Gene: Ulysses_24 Start: 15606, Stop: 18206, Start Num: 104

Candidate Starts for Ulysses_24:

(Start: 104 @15606 has 113 MA's), (Start: 151 @15747 has 22 MA's), (Start: 162 @15765 has 10 MA's), (214, 15921), (233, 15972), (245, 16011), (251, 16041), (284, 16158), (292, 16185), (308, 16248), (322, 16311), (334, 16356), (341, 16398), (357, 16482), (446, 16749), (474, 16800), (489, 16845), (519, 16923), (530, 16956), (532, 16962), (597, 17076), (614, 17130), (632, 17175), (655, 17235), (683, 17295), (719, 17409), (750, 17574), (757, 17592), (803, 17718), (856, 17970), (857, 17973), (860, 17982), (872, 18042), (889, 18138), (896, 18186),

Gene: UnionJack_22 Start: 14796, Stop: 17609, Start Num: 2

Candidate Starts for UnionJack_22:

(Start: 2 @14796 has 8 MA's), (10, 14985), (122, 15468), (123, 15474), (222, 15618), (239, 15654), (266, 15744), (282, 15810), (288, 15831), (305, 15894), (308, 15906), (314, 15939), (330, 15993), (335, 16026), (338, 16038), (357, 16137), (368, 16170), (389, 16299), (418, 16413), (448, 16464), (496, 16530), (562, 16611), (568, 16623), (590, 16656), (640, 16734), (645, 16743), (696, 16809), (706, 16818), (734, 16881), (743, 16923), (760, 16995), (770, 17022), (773, 17037), (783, 17064), (792, 17085), (816, 17172), (825, 17202), (839, 17265), (856, 17364), (860, 17376), (862, 17388), (864, 17397), (889, 17544),

Gene: Updawg_28 Start: 17115, Stop: 19622, Start Num: 103

Candidate Starts for Updawg_28:

(Start: 103 @17115 has 89 MA's), (141, 17226), (165, 17283), (249, 17469), (272, 17532), (279, 17565), (281, 17571), (327, 17751), (330, 17760), (334, 17781), (337, 17802), (338, 17805), (341, 17823), (352, 17883), (375, 17991), (385, 18033), (397, 18087), (402, 18108), (418, 18171), (419, 18174), (426, 18192), (433, 18213), (499, 18399), (503, 18414), (508, 18441), (526, 18498), (531, 18513), (534, 18519), (540, 18528), (542, 18534), (558, 18564), (567, 18585), (596, 18630), (597, 18636), (609, 18669), (615, 18696), (642, 18768), (648, 18780), (673, 18840), (686, 18867), (712, 18930), (720, 18975), (725, 18987), (730, 19023), (739, 19059), (745, 19092), (782, 19155), (797, 19179), (843, 19323), (863, 19422), (879, 19509), (899, 19608),

Gene: VA6_26 Start: 16626, Stop: 19163, Start Num: 103

Candidate Starts for VA6_26:

(Start: 103 @16626 has 89 MA's), (170, 16806), (171, 16809), (195, 16857), (238, 16968), (242, 16977), (249, 16998), (251, 17007), (261, 17028), (272, 17061), (279, 17094), (305, 17187), (315, 17235), (318, 17253), (325, 17265), (330, 17286), (334, 17307), (337, 17328), (338, 17331), (375, 17517), (385, 17559), (386, 17568), (402, 17634), (419, 17700), (429, 17727), (433, 17739), (470, 17826), (499, 17925), (534, 18045), (540, 18054), (542, 18060), (548, 18069), (558, 18090), (568, 18114), (578, 18135), (596, 18156), (597, 18162), (609, 18195), (612, 18207), (633, 18264), (673, 18366), (686, 18393), (712, 18456), (802, 18729), (806, 18738), (842, 18849), (847, 18879), (863, 18963),

Gene: VC3_29 Start: 16651, Stop: 19164, Start Num: 103

Candidate Starts for VC3_29:

(Start: 103 @16651 has 89 MA's), (170, 16831), (171, 16834), (226, 16945), (272, 17080), (287, 17140), (292, 17155), (300, 17185), (301, 17188), (318, 17272), (327, 17296), (333, 17320), (337, 17347), (338, 17350), (363, 17461), (375, 17536), (382, 17563), (385, 17578), (397, 17632), (402, 17653), (419, 17719), (426, 17737), (429, 17746), (470, 17845), (479, 17878), (481, 17887), (499, 17944), (503, 17959), (534, 18064), (596, 18175), (600, 18187), (603, 18193), (612, 18226), (657, 18346), (712, 18475), (716, 18490), (720, 18520), (725, 18532), (730, 18568), (759, 18682), (771, 18694), (799, 18736), (858, 18943), (862, 18961), (863, 18964), (899, 19150),

Gene: Vanisoa_25 Start: 15668, Stop: 18586, Start Num: 54

Candidate Starts for Vanisoa_25:

(Start: 54 @15668 has 33 MA's), (56, 15680), (91, 15839), (110, 15902), (164, 16070), (183, 16124), (185, 16127), (223, 16253), (249, 16328), (251, 16337), (253, 16340), (257, 16346), (259, 16352), (292, 16466), (296, 16487), (305, 16517), (308, 16529), (314, 16562), (318, 16583), (320, 16586), (327, 16607), (332, 16628), (334, 16637), (335, 16649), (345, 16697), (351, 16730), (353, 16742), (375, 16847), (377, 16859), (389, 16910), (397, 16943), (401, 16958), (402, 16964), (404, 16973), (406, 16985), (412, 17009), (416, 17021), (419, 17030), (479, 17189), (482, 17201), (499, 17255), (534, 17375), (558, 17420), (567, 17441), (577, 17462), (578, 17465), (595, 17483), (596, 17486), (606, 17513), (613, 17540), (634, 17600), (648, 17636), (668, 17678), (712, 17786), (731, 17882), (749, 17969), (751, 17978), (766, 18029), (782, 18059), (797, 18092), (803, 18113), (810, 18152),

(827, 18194), (841, 18272), (846, 18299), (857, 18359), (876, 18458), (889, 18512), (891, 18524), (897, 18566),

Gene: Veracruz_25 Start: 16043, Stop: 19081, Start Num: 39

Candidate Starts for Veracruz_25:

(Start: 39 @16043 has 32 MA's), (64, 16217), (67, 16229), (78, 16262), (139, 16469), (147, 16490), (183, 16589), (185, 16592), (251, 16802), (257, 16811), (261, 16823), (272, 16856), (288, 16919), (292, 16931), (301, 16964), (305, 16982), (309, 17003), (320, 17051), (322, 17057), (327, 17072), (330, 17081), (332, 17093), (334, 17102), (351, 17195), (375, 17312), (376, 17315), (383, 17342), (385, 17354), (397, 17408), (402, 17429), (419, 17495), (433, 17534), (484, 17675), (499, 17720), (522, 17810), (526, 17819), (540, 17849), (567, 17906), (573, 17921), (595, 17948), (596, 17951), (603, 17969), (638, 18080), (673, 18161), (699, 18218), (714, 18260), (734, 18356), (738, 18377), (742, 18401), (750, 18446), (757, 18464), (771, 18512), (775, 18524), (797, 18566), (800, 18578), (810, 18626), (848, 18797), (860, 18857), (862, 18869), (869, 18896), (872, 18917), (889, 19013), (896, 19061),

Gene: Violet_23 Start: 16915, Stop: 19386, Start Num: 106

Candidate Starts for Violet_23:

(Start: 106 @16915 has 199 MA's), (119, 16954), (141, 17017), (Start: 151 @17047 has 22 MA's), (160, 17068), (174, 17089), (178, 17101), (186, 17119), (255, 17209), (308, 17407), (314, 17440), (332, 17506), (381, 17761), (385, 17782), (390, 17809), (467, 17968), (490, 18004), (542, 18097), (552, 18118), (583, 18175), (630, 18295), (639, 18331), (655, 18361), (666, 18397), (693, 18463), (700, 18484), (734, 18625), (769, 18766), (778, 18787), (822, 18922), (852, 19099), (872, 19210), (885, 19297), (892, 19336), (896, 19366),

Gene: Vix_27 Start: 16061, Stop: 19087, Start Num: 40

Candidate Starts for Vix_27:

(31, 16007), (Start: 40 @16061 has 81 MA's), (56, 16175), (66, 16241), (67, 16244), (73, 16253), (84, 16289), (94, 16340), (118, 16412), (139, 16484), (183, 16604), (185, 16607), (207, 16676), (219, 16721), (251, 16814), (257, 16823), (263, 16841), (272, 16868), (288, 16931), (292, 16943), (301, 16976), (305, 16994), (318, 17060), (320, 17063), (322, 17069), (327, 17084), (330, 17093), (332, 17105), (334, 17114), (347, 17192), (351, 17207), (375, 17324), (376, 17327), (383, 17354), (385, 17366), (397, 17420), (402, 17441), (419, 17507), (433, 17546), (472, 17639), (484, 17687), (499, 17732), (512, 17780), (522, 17822), (526, 17831), (540, 17861), (541, 17864), (548, 17876), (573, 17933), (577, 17939), (595, 17960), (596, 17963), (642, 18101), (648, 18113), (673, 18173), (699, 18230), (734, 18368), (738, 18389), (742, 18413), (750, 18458), (757, 18476), (771, 18524), (775, 18536), (797, 18578), (811, 18641), (832, 18698), (841, 18767), (848, 18803), (864, 18884), (889, 19019),

Gene: VohminGhazi_29 Start: 16735, Stop: 18939, Start Num: 124

Candidate Starts for VohminGhazi_29:

(65, 16576), (98, 16690), (Start: 124 @16735 has 42 MA's), (166, 16846), (168, 16852), (206, 16960), (217, 17002), (239, 17068), (267, 17161), (276, 17188), (308, 17311), (314, 17344), (336, 17434), (349, 17503), (404, 17746), (495, 17884), (599, 18004), (701, 18157), (734, 18220), (743, 18262), (770, 18361), (776, 18382), (783, 18403), (792, 18424), (806, 18475), (808, 18487), (813, 18502), (835, 18583), (847, 18661),

Gene: Waits_28 Start: 15890, Stop: 18079, Start Num: 182

Candidate Starts for Waits_28:

(Start: 115 @15713 has 1 MA's), (Start: 117 @15722 has 4 MA's), (Start: 182 @15890 has 15 MA's), (262, 16133), (263, 16139), (283, 16208), (299, 16265), (334, 16409), (341, 16451), (350, 16499), (351, 16502), (374, 16613), (377, 16631), (404, 16736), (417, 16784), (486, 16889), (515, 16949), (546, 17003), (564, 17039), (582, 17063), (591, 17072), (617, 17135), (627, 17156), (632, 17171),

(639, 17195), (646, 17207), (677, 17261), (690, 17282), (701, 17312), (754, 17483), (760, 17504), (792, 17588), (864, 17891), (889, 18014), (891, 18026),

Gene: WalterMcMickey_25 Start: 15905, Stop: 18457, Start Num: 162

Candidate Starts for WalterMcMickey_25:

(Start: 101 @15728 has 8 MA's), (Start: 162 @15905 has 10 MA's), (169, 15926), (178, 15950), (190, 15980), (193, 15983), (196, 15992), (207, 16031), (213, 16046), (218, 16070), (236, 16115), (248, 16157), (258, 16190), (261, 16199), (274, 16253), (288, 16307), (291, 16316), (295, 16340), (302, 16361), (323, 16466), (332, 16508), (482, 17030), (517, 17150), (530, 17195), (531, 17198), (532, 17201), (547, 17225), (566, 17270), (582, 17306), (606, 17345), (614, 17378), (659, 17492), (715, 17633), (719, 17657), (734, 17732), (745, 17798), (750, 17822), (757, 17840), (776, 17906), (798, 17960), (803, 17972), (807, 17987), (812, 18008), (818, 18020), (860, 18233), (868, 18269), (871, 18290), (872, 18293), (889, 18389), (896, 18437),

Gene: Wander_25 Start: 15885, Stop: 18485, Start Num: 104

Candidate Starts for Wander_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (530, 17235), (532, 17241), (545, 17262), (614, 17409), (622, 17430), (632, 17454), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Watermelon_26 Start: 17220, Stop: 19700, Start Num: 106

Candidate Starts for Watermelon_26:

(Start: 106 @17220 has 199 MA's), (119, 17259), (141, 17322), (Start: 151 @17352 has 22 MA's), (174, 17394), (278, 17601), (284, 17619), (308, 17709), (322, 17772), (330, 17796), (332, 17808), (341, 17859), (451, 18243), (518, 18345), (529, 18384), (549, 18411), (559, 18435), (619, 18564), (655, 18663), (693, 18765), (700, 18786), (715, 18828), (734, 18927), (746, 18990), (814, 19209), (823, 19242), (852, 19413), (872, 19524), (885, 19611), (892, 19650), (894, 19665),

Gene: Watson_27 Start: 15971, Stop: 18997, Start Num: 40

Candidate Starts for Watson_27:

(31, 15917), (Start: 40 @15971 has 81 MA's), (56, 16085), (66, 16151), (67, 16154), (73, 16163), (84, 16199), (94, 16250), (118, 16322), (139, 16394), (183, 16514), (185, 16517), (207, 16586), (219, 16631), (251, 16724), (257, 16733), (263, 16751), (272, 16778), (288, 16841), (292, 16853), (301, 16886), (305, 16904), (318, 16970), (320, 16973), (322, 16979), (327, 16994), (330, 17003), (332, 17015), (334, 17024), (351, 17117), (375, 17234), (376, 17237), (383, 17264), (385, 17276), (397, 17330), (402, 17351), (419, 17417), (429, 17444), (472, 17549), (484, 17597), (499, 17642), (512, 17690), (522, 17732), (526, 17741), (540, 17771), (541, 17774), (548, 17786), (573, 17843), (577, 17849), (595, 17870), (596, 17873), (642, 18011), (648, 18023), (673, 18083), (700, 18143), (712, 18173), (713, 18176), (715, 18185), (734, 18278), (750, 18368), (771, 18434), (775, 18446), (797, 18488), (811, 18551), (832, 18608), (841, 18677), (848, 18713), (864, 18794), (889, 18929),

Gene: WeiHuaDA_32 Start: 18881, Stop: 21418, Start Num: 103

Candidate Starts for WeiHuaDA_32:

(Start: 103 @18881 has 89 MA's), (141, 18992), (170, 19061), (240, 19226), (242, 19232), (249, 19253), (251, 19262), (261, 19283), (272, 19316), (274, 19325), (279, 19349), (287, 19376), (292, 19391), (304, 19433), (305, 19442), (315, 19490), (318, 19508), (327, 19532), (337, 19583), (338, 19586), (375, 19772), (385, 19814), (400, 19880), (402, 19889), (419, 19955), (433, 19994), (472, 20087), (499, 20180), (503, 20195), (534, 20300), (558, 20345), (577, 20387), (578, 20390), (596, 20411), (597, 20417), (604, 20432), (642, 20549), (657, 20582), (668, 20603), (712, 20711), (716, 20726), (720, 20756), (725, 20768), (730, 20804), (799, 20975), (802, 20984), (806, 20993), (842,

21104), (847, 21134), (862, 21215), (863, 21218),

Gene: Whabigail7_28 Start: 17106, Stop: 19649, Start Num: 103

Candidate Starts for Whabigail7_28:

(Start: 103 @17106 has 89 MA's), (170, 17286), (171, 17289), (240, 17457), (242, 17463), (249, 17484), (251, 17493), (257, 17502), (261, 17514), (275, 17559), (279, 17580), (292, 17622), (305, 17673), (314, 17718), (315, 17721), (318, 17739), (330, 17772), (332, 17784), (334, 17793), (337, 17814), (338, 17817), (375, 18003), (385, 18045), (386, 18054), (388, 18063), (402, 18120), (419, 18186), (433, 18225), (472, 18318), (481, 18354), (499, 18411), (518, 18477), (526, 18510), (531, 18525), (534, 18531), (540, 18540), (548, 18555), (558, 18576), (567, 18597), (577, 18618), (578, 18621), (595, 18639), (596, 18642), (612, 18693), (633, 18750), (637, 18768), (648, 18792), (673, 18852), (686, 18879), (712, 18942), (720, 18987), (749, 19125), (802, 19215), (806, 19224), (826, 19248), (842, 19335), (847, 19365), (863, 19449),

Gene: Wheeler_24 Start: 16677, Stop: 19154, Start Num: 107

Candidate Starts for Wheeler_24:

(Start: 107 @16677 has 8 MA's), (112, 16692), (141, 16776), (143, 16782), (Start: 151 @16806 has 22 MA's), (174, 16848), (278, 17055), (284, 17073), (308, 17163), (322, 17226), (330, 17250), (332, 17262), (341, 17313), (451, 17697), (518, 17799), (529, 17838), (549, 17865), (559, 17889), (655, 18117), (693, 18219), (700, 18240), (705, 18252), (715, 18282), (734, 18381), (746, 18444), (814, 18663), (823, 18696), (872, 18978), (885, 19065), (892, 19104), (894, 19119),

Gene: WideWale_28 Start: 17115, Stop: 19622, Start Num: 103

Candidate Starts for WideWale_28:

(Start: 103 @17115 has 89 MA's), (141, 17226), (165, 17283), (249, 17469), (272, 17532), (279, 17565), (281, 17571), (327, 17751), (330, 17760), (334, 17781), (337, 17802), (338, 17805), (341, 17823), (352, 17883), (375, 17991), (385, 18033), (397, 18087), (402, 18108), (418, 18171), (419, 18174), (426, 18192), (433, 18213), (499, 18399), (503, 18414), (508, 18441), (526, 18498), (531, 18513), (534, 18519), (540, 18528), (542, 18534), (558, 18564), (567, 18585), (596, 18630), (597, 18636), (609, 18669), (615, 18696), (642, 18768), (648, 18780), (673, 18840), (686, 18867), (712, 18930), (720, 18975), (725, 18987), (730, 19023), (739, 19059), (745, 19092), (782, 19155), (797, 19179), (843, 19323), (863, 19422), (879, 19509), (899, 19608),

Gene: Wiks_29 Start: 16715, Stop: 18931, Start Num: 124

Candidate Starts for Wiks_29:

(98, 16670), (Start: 124 @16715 has 42 MA's), (166, 16826), (217, 16982), (263, 17129), (267, 17141), (307, 17288), (308, 17291), (314, 17324), (336, 17414), (349, 17483), (368, 17558), (404, 17726), (599, 17984), (628, 18029), (701, 18137), (734, 18200), (743, 18242), (770, 18341), (776, 18362), (792, 18404), (806, 18455), (813, 18482), (835, 18563), (847, 18653),

Gene: Wilbur_25 Start: 16026, Stop: 18485, Start Num: 151

Candidate Starts for Wilbur_25:

(Start: 104 @15885 has 113 MA's), (Start: 151 @16026 has 22 MA's), (Start: 162 @16044 has 10 MA's), (233, 16251), (245, 16290), (251, 16320), (284, 16437), (292, 16464), (308, 16527), (322, 16590), (334, 16635), (341, 16677), (357, 16761), (446, 17028), (474, 17079), (489, 17124), (519, 17202), (530, 17235), (532, 17241), (582, 17337), (595, 17346), (614, 17409), (622, 17430), (632, 17454), (657, 17520), (683, 17574), (700, 17622), (719, 17688), (750, 17853), (757, 17871), (803, 17997), (856, 18249), (857, 18252), (860, 18261), (872, 18321), (889, 18417), (896, 18465),

Gene: Wile_25 Start: 15892, Stop: 18492, Start Num: 104

Candidate Starts for Wile_25:

(Start: 104 @15892 has 113 MA's), (239, 16282), (276, 16411), (284, 16444), (292, 16471), (308, 16534), (334, 16642), (362, 16777), (412, 16975), (460, 17062), (474, 17086), (489, 17131), (530,

17242), (532, 17248), (614, 17416), (633, 17464), (655, 17521), (683, 17581), (700, 17629), (713, 17662), (719, 17695), (722, 17713), (750, 17860), (757, 17878), (803, 18004), (831, 18094), (845, 18193), (857, 18259), (860, 18268), (872, 18328), (874, 18337), (880, 18373), (883, 18391), (889, 18424), (896, 18472),

Gene: Wilkins_24 Start: 16077, Stop: 18692, Start Num: 106

Candidate Starts for Wilkins_24:

(Start: 106 @16077 has 199 MA's), (119, 16116), (141, 16179), (143, 16185), (Start: 151 @16209 has 22 MA's), (243, 16317), (292, 16488), (307, 16548), (308, 16551), (335, 16674), (341, 16704), (353, 16767), (404, 16986), (430, 17058), (450, 17106), (475, 17151), (550, 17376), (555, 17385), (569, 17421), (576, 17436), (586, 17463), (655, 17667), (695, 17781), (700, 17790), (708, 17811), (715, 17832), (734, 17931), (743, 17973), (744, 17976), (784, 18105), (810, 18189), (823, 18234), (852, 18405), (872, 18516), (885, 18603), (892, 18642), (894, 18657),

Gene: Wizard007_25 Start: 15887, Stop: 18487, Start Num: 104

Candidate Starts for Wizard007_25:

(Start: 104 @15887 has 113 MA's), (Start: 151 @16028 has 22 MA's), (Start: 162 @16046 has 10 MA's), (233, 16253), (245, 16292), (251, 16322), (284, 16439), (292, 16466), (308, 16529), (322, 16592), (334, 16637), (341, 16679), (357, 16763), (446, 17030), (474, 17081), (489, 17126), (519, 17204), (532, 17243), (545, 17264), (614, 17411), (622, 17432), (632, 17456), (655, 17516), (657, 17522), (659, 17525), (683, 17576), (700, 17624), (719, 17690), (750, 17855), (757, 17873), (803, 17999), (856, 18251), (857, 18254), (860, 18263), (872, 18323), (889, 18419), (896, 18467),

Gene: Wooldri_29 Start: 15890, Stop: 18916, Start Num: 40

Candidate Starts for Wooldri_29:

(31, 15836), (Start: 40 @15890 has 81 MA's), (56, 16004), (66, 16070), (67, 16073), (73, 16082), (84, 16118), (94, 16169), (118, 16241), (139, 16313), (183, 16433), (185, 16436), (207, 16505), (219, 16550), (251, 16643), (257, 16652), (263, 16670), (272, 16697), (288, 16760), (292, 16772), (301, 16805), (305, 16823), (318, 16889), (320, 16892), (322, 16898), (327, 16913), (330, 16922), (332, 16934), (334, 16943), (347, 17021), (351, 17036), (375, 17153), (376, 17156), (383, 17183), (385, 17195), (397, 17249), (402, 17270), (419, 17336), (433, 17375), (472, 17468), (484, 17516), (499, 17561), (512, 17609), (522, 17651), (526, 17660), (540, 17690), (541, 17693), (548, 17705), (573, 17762), (577, 17768), (595, 17789), (596, 17792), (642, 17930), (648, 17942), (673, 18002), (699, 18059), (734, 18197), (738, 18218), (742, 18242), (750, 18287), (757, 18305), (771, 18353), (775, 18365), (797, 18407), (811, 18470), (832, 18527), (841, 18596), (848, 18632), (864, 18713), (889, 18848),

Gene: WunderPhul_29 Start: 16715, Stop: 18931, Start Num: 124

Candidate Starts for WunderPhul_29:

(98, 16670), (Start: 124 @16715 has 42 MA's), (166, 16826), (217, 16982), (263, 17129), (267, 17141), (307, 17288), (308, 17291), (314, 17324), (336, 17414), (349, 17483), (368, 17558), (404, 17726), (599, 17984), (628, 18029), (701, 18137), (734, 18200), (743, 18242), (770, 18341), (776, 18362), (792, 18404), (806, 18455), (813, 18482), (835, 18563), (847, 18653),

Gene: Xena_25 Start: 15879, Stop: 18479, Start Num: 104

Candidate Starts for Xena_25:

(Start: 104 @15879 has 113 MA's), (239, 16269), (276, 16398), (284, 16431), (292, 16458), (308, 16521), (334, 16629), (362, 16764), (412, 16962), (460, 17049), (474, 17073), (489, 17118), (530, 17229), (532, 17235), (614, 17403), (633, 17451), (655, 17508), (683, 17568), (700, 17616), (713, 17649), (719, 17682), (722, 17700), (750, 17847), (757, 17865), (803, 17991), (831, 18081), (845, 18180), (857, 18246), (860, 18255), (872, 18315), (874, 18324), (880, 18360), (883, 18378), (889, 18411), (896, 18459),

Gene: XianYue_26 Start: 16577, Stop: 19105, Start Num: 103

Candidate Starts for XianYue_26:

(Start: 103 @16577 has 89 MA's), (168, 16754), (170, 16757), (171, 16760), (195, 16808), (242, 16928), (249, 16949), (251, 16958), (257, 16967), (272, 17012), (279, 17045), (287, 17072), (292, 17087), (304, 17129), (305, 17138), (309, 17159), (315, 17186), (318, 17204), (330, 17237), (334, 17258), (337, 17279), (338, 17282), (375, 17468), (385, 17510), (386, 17519), (397, 17564), (402, 17585), (419, 17651), (433, 17690), (479, 17810), (483, 17828), (499, 17876), (502, 17888), (503, 17891), (534, 17996), (542, 18011), (548, 18020), (566, 18056), (577, 18083), (578, 18086), (595, 18104), (596, 18107), (702, 18380), (712, 18407), (716, 18422), (720, 18452), (725, 18464), (730, 18500), (742, 18548), (756, 18602), (791, 18653), (806, 18686), (826, 18710), (847, 18827), (863, 18905), (899, 19091),

Gene: Yecey3_26 Start: 15697, Stop: 18618, Start Num: 54

Candidate Starts for Yecey3_26:

(Start: 35 @15568 has 1 MA's), (Start: 54 @15697 has 33 MA's), (56, 15709), (91, 15868), (102, 15910), (110, 15931), (164, 16099), (183, 16153), (185, 16156), (223, 16285), (249, 16360), (251, 16369), (253, 16372), (257, 16378), (259, 16384), (275, 16435), (292, 16498), (296, 16519), (300, 16528), (302, 16537), (305, 16549), (314, 16594), (315, 16597), (318, 16615), (320, 16618), (327, 16639), (334, 16669), (335, 16681), (345, 16729), (351, 16762), (353, 16774), (375, 16879), (387, 16936), (388, 16939), (397, 16975), (402, 16996), (404, 17005), (406, 17017), (419, 17062), (433, 17101), (454, 17164), (482, 17233), (511, 17332), (531, 17401), (534, 17407), (558, 17452), (566, 17467), (567, 17473), (595, 17515), (596, 17518), (606, 17545), (613, 17572), (662, 17698), (668, 17710), (712, 17818), (718, 17851), (720, 17863), (725, 17875), (730, 17911), (731, 17914), (745, 17980), (749, 18001), (750, 18004), (752, 18013), (761, 18043), (797, 18124), (803, 18145), (817, 18199), (827, 18226), (840, 18298), (841, 18304), (857, 18391), (861, 18403), (863, 18415), (876, 18490), (886, 18526), (891, 18556),

Gene: YoSam321_25 Start: 15882, Stop: 18482, Start Num: 104

Candidate Starts for YoSam321_25:

(Start: 104 @15882 has 113 MA's), (Start: 151 @16023 has 22 MA's), (Start: 162 @16041 has 10 MA's), (233, 16248), (245, 16287), (251, 16317), (284, 16434), (292, 16461), (308, 16524), (322, 16587), (334, 16632), (341, 16674), (357, 16758), (446, 17025), (474, 17076), (489, 17121), (519, 17199), (532, 17238), (614, 17406), (622, 17427), (632, 17451), (655, 17511), (657, 17517), (683, 17571), (700, 17619), (719, 17685), (750, 17850), (757, 17868), (803, 17994), (856, 18246), (857, 18249), (860, 18258), (872, 18318), (889, 18414), (896, 18462),

Gene: Yokurt_29 Start: 16715, Stop: 18931, Start Num: 124

Candidate Starts for Yokurt_29:

(98, 16670), (Start: 124 @16715 has 42 MA's), (166, 16826), (217, 16982), (263, 17129), (267, 17141), (307, 17288), (308, 17291), (314, 17324), (336, 17414), (349, 17483), (368, 17558), (404, 17726), (599, 17984), (628, 18029), (701, 18137), (734, 18200), (743, 18242), (770, 18341), (776, 18362), (792, 18404), (806, 18455), (813, 18482), (835, 18563), (847, 18653),

Gene: Zaka_29 Start: 16715, Stop: 18931, Start Num: 124

Candidate Starts for Zaka_29:

(98, 16670), (Start: 124 @16715 has 42 MA's), (166, 16826), (217, 16982), (263, 17129), (267, 17141), (307, 17288), (308, 17291), (314, 17324), (336, 17414), (349, 17483), (368, 17558), (404, 17726), (599, 17984), (628, 18029), (701, 18137), (734, 18200), (743, 18242), (770, 18341), (776, 18362), (792, 18404), (806, 18455), (813, 18482), (835, 18563), (847, 18653),

Gene: Zeeculate_23 Start: 16356, Stop: 19016, Start Num: 106

Candidate Starts for Zeeculate_23:

(Start: 106 @16356 has 199 MA's), (119, 16395), (141, 16458), (Start: 151 @16488 has 22 MA's), (174, 16530), (251, 16641), (263, 16674), (308, 16839), (322, 16902), (334, 16947), (339, 16971), (353, 17046), (356, 17058), (440, 17379), (555, 17709), (576, 17760), (586, 17787), (655, 17991), (695, 18105), (700, 18114), (708, 18135), (715, 18156), (734, 18255), (743, 18297), (744, 18300), (784, 18429), (810, 18513), (823, 18558), (872, 18840), (885, 18927), (892, 18966),

Gene: Zephyr_24 Start: 16453, Stop: 18933, Start Num: 106

Candidate Starts for Zephyr_24:

(Start: 106 @16453 has 199 MA's), (119, 16492), (141, 16555), (Start: 151 @16585 has 22 MA's), (174, 16627), (278, 16834), (284, 16852), (308, 16942), (322, 17005), (330, 17029), (332, 17041), (341, 17092), (451, 17476), (518, 17578), (529, 17617), (542, 17632), (549, 17644), (559, 17668), (619, 17797), (655, 17896), (693, 17998), (700, 18019), (715, 18061), (734, 18160), (746, 18223), (772, 18313), (814, 18442), (823, 18475), (872, 18757), (882, 18823), (885, 18844), (892, 18883), (894, 18898),

Gene: Zetzy_26 Start: 15513, Stop: 18539, Start Num: 40

Candidate Starts for Zetzy_26:

(31, 15459), (Start: 40 @15513 has 81 MA's), (56, 15627), (66, 15693), (67, 15696), (73, 15705), (84, 15741), (94, 15792), (118, 15864), (139, 15936), (183, 16056), (185, 16059), (207, 16128), (219, 16173), (251, 16266), (257, 16275), (263, 16293), (272, 16320), (288, 16383), (292, 16395), (301, 16428), (305, 16446), (318, 16512), (320, 16515), (322, 16521), (327, 16536), (332, 16557), (334, 16566), (351, 16659), (375, 16776), (376, 16779), (383, 16806), (385, 16818), (397, 16872), (402, 16893), (419, 16959), (433, 16998), (472, 17091), (484, 17139), (499, 17184), (503, 17199), (522, 17274), (526, 17283), (548, 17328), (567, 17370), (595, 17412), (607, 17445), (642, 17553), (673, 17625), (700, 17685), (712, 17715), (713, 17718), (715, 17727), (750, 17910), (771, 17976), (775, 17988), (797, 18030), (811, 18093), (832, 18150), (841, 18219), (848, 18255), (864, 18336), (889, 18471), (891, 18483),

Gene: Zeuska_25 Start: 16887, Stop: 19367, Start Num: 106

Candidate Starts for Zeuska_25:

(Start: 106 @16887 has 199 MA's), (119, 16926), (141, 16989), (Start: 151 @17019 has 22 MA's), (174, 17061), (278, 17268), (284, 17286), (308, 17376), (322, 17439), (330, 17463), (332, 17475), (341, 17526), (451, 17910), (518, 18012), (529, 18051), (549, 18078), (559, 18102), (619, 18231), (655, 18330), (693, 18432), (700, 18453), (705, 18465), (715, 18495), (734, 18594), (746, 18657), (814, 18876), (823, 18909), (872, 19191), (885, 19278), (892, 19317), (894, 19332),

Gene: Zimmer_28 Start: 18207, Stop: 21335, Start Num: 27

Candidate Starts for Zimmer_28:

(6, 17961), (21, 18177), (Start: 27 @18207 has 5 MA's), (Start: 54 @18384 has 33 MA's), (56, 18396), (88, 18534), (127, 18681), (148, 18744), (164, 18786), (183, 18840), (185, 18843), (249, 19044), (251, 19053), (253, 19056), (272, 19107), (279, 19140), (290, 19176), (305, 19233), (314, 19278), (315, 19281), (318, 19299), (320, 19302), (327, 19323), (334, 19353), (344, 19404), (345, 19413), (387, 19620), (394, 19644), (397, 19659), (398, 19662), (402, 19680), (404, 19689), (406, 19701), (418, 19743), (419, 19746), (431, 19779), (433, 19785), (454, 19848), (499, 19971), (534, 20091), (556, 20130), (558, 20136), (566, 20151), (577, 20178), (578, 20181), (595, 20199), (597, 20208), (600, 20214), (614, 20262), (642, 20340), (673, 20412), (674, 20415), (678, 20427), (712, 20502), (715, 20514), (719, 20538), (720, 20547), (750, 20703), (760, 20739), (764, 20748), (797, 20823), (817, 20904), (818, 20907), (820, 20913), (848, 21060), (856, 21108), (857, 21111), (863, 21135), (891, 21276),

Gene: Zolita_21 Start: 15350, Stop: 18763, Start Num: 1

Candidate Starts for Zolita_21:

(Start: 1 @15350 has 30 MA's), (3, 15410), (12, 15563), (15, 15602), (37, 15788), (76, 16016), (81, 16028), (85, 16040), (122, 16172), (144, 16250), (154, 16280), (175, 16337), (220, 16484), (222, 16490), (226, 16496), (263, 16622), (267, 16634), (308, 16784), (315, 16820), (322, 16850), (327, 16865), (334, 16895), (335, 16907), (340, 16931), (353, 17000), (371, 17066), (404, 17222), (423, 17291), (425, 17294), (438, 17321), (447, 17345), (512, 17483), (524, 17504), (549, 17549), (570, 17591), (650, 17783), (669, 17813), (677, 17837), (683, 17849), (693, 17870), (706, 17912), (726, 17999), (734, 18035), (739, 18056), (743, 18077), (762, 18155), (770, 18176), (776, 18197), (783, 18218), (792, 18239), (799, 18263), (816, 18326), (839, 18419), (842, 18437), (856, 18518), (860, 18530), (862, 18542), (864, 18551), (875, 18605), (888, 18689), (889, 18698),

Gene: Zulu_29 Start: 16714, Stop: 18930, Start Num: 124

Candidate Starts for Zulu_29:

(98, 16669), (Start: 124 @16714 has 42 MA's), (166, 16825), (217, 16981), (263, 17128), (267, 17140), (307, 17287), (308, 17290), (314, 17323), (336, 17413), (349, 17482), (368, 17557), (404, 17725), (599, 17983), (628, 18028), (701, 18136), (734, 18199), (743, 18241), (770, 18340), (776, 18361), (792, 18403), (806, 18454), (813, 18481), (835, 18562), (847, 18652),