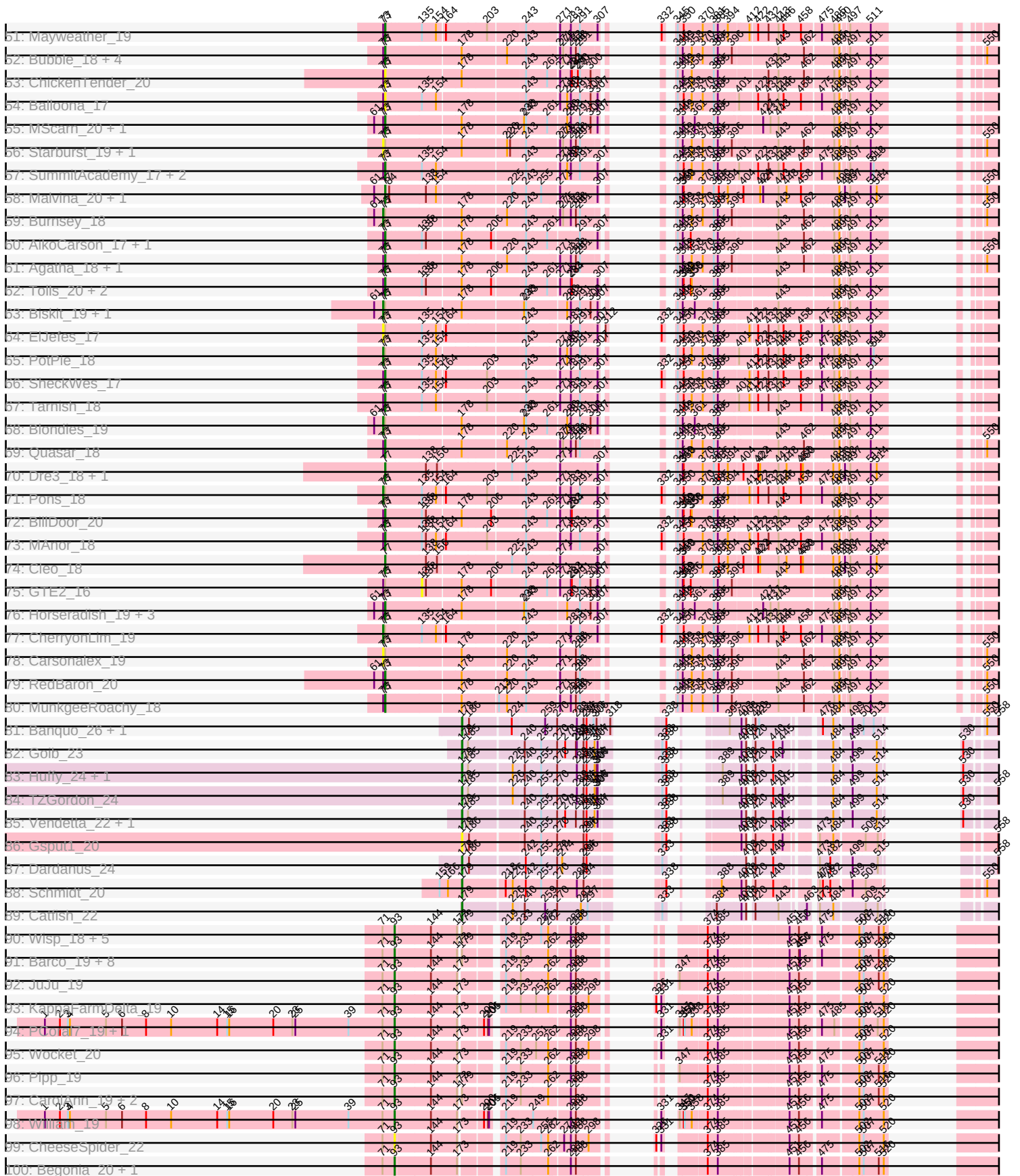


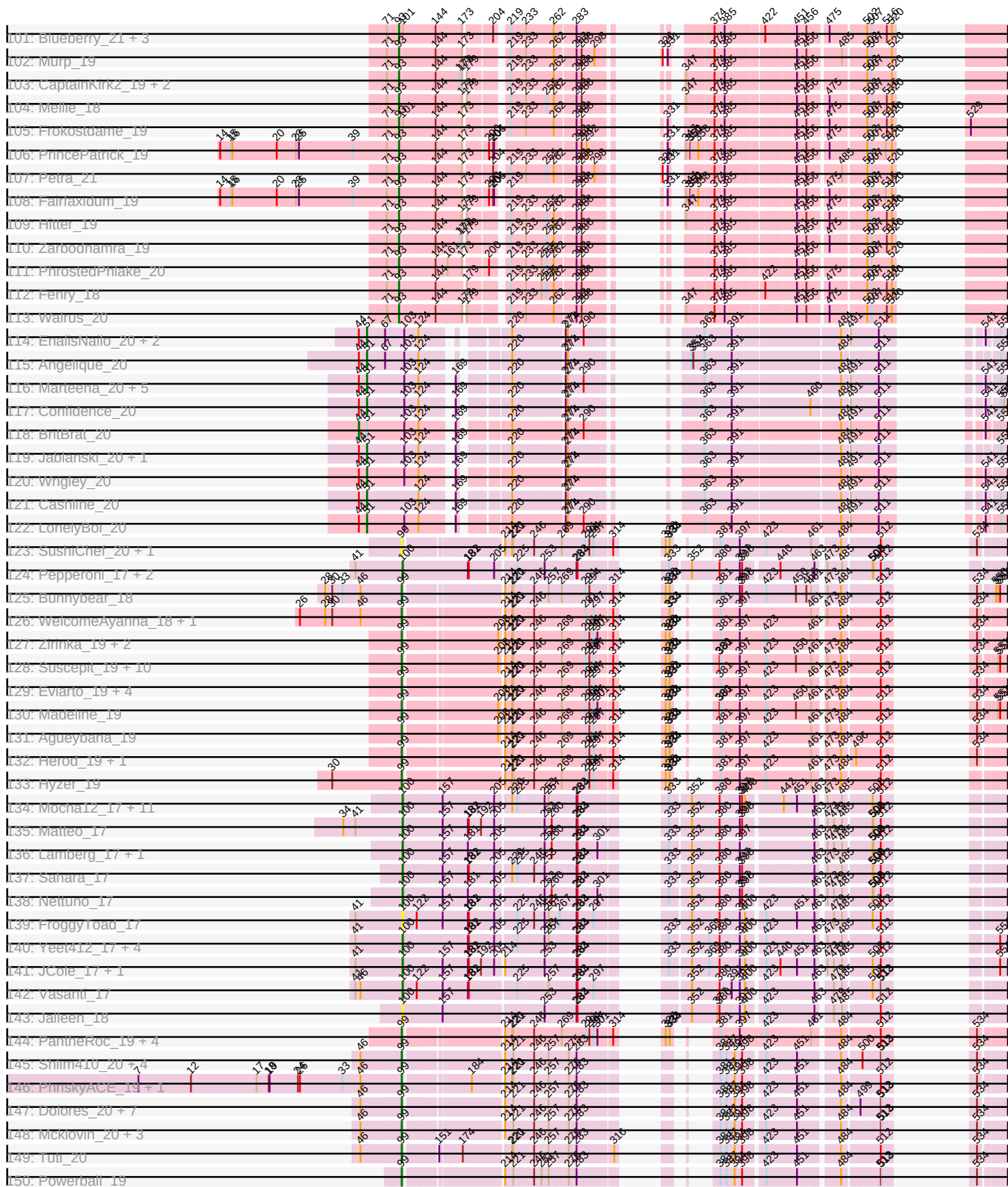
47 59 68 107 114 138 173 215 265 271 281 294

[illegible]

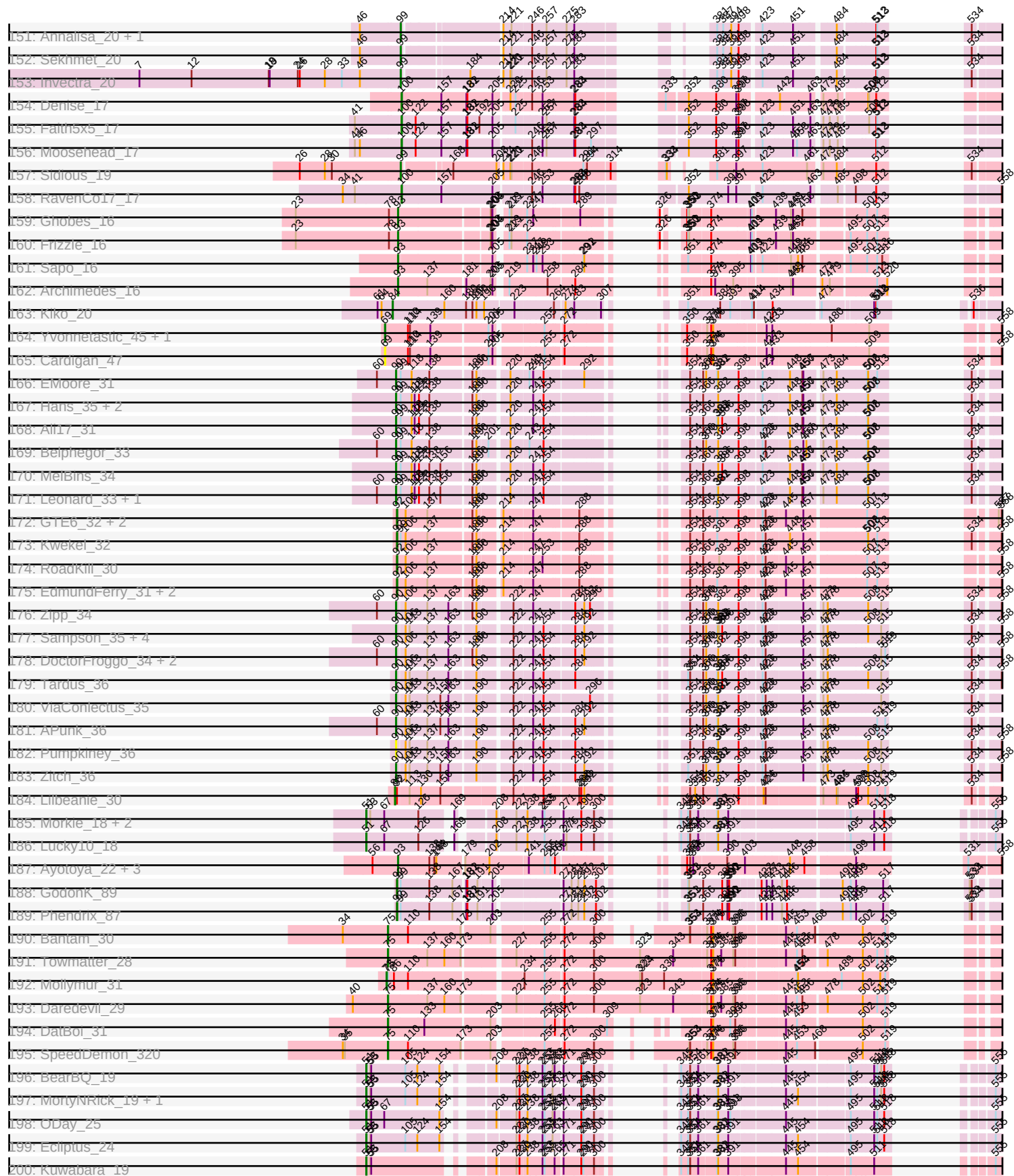
Zoomed Pham 311007



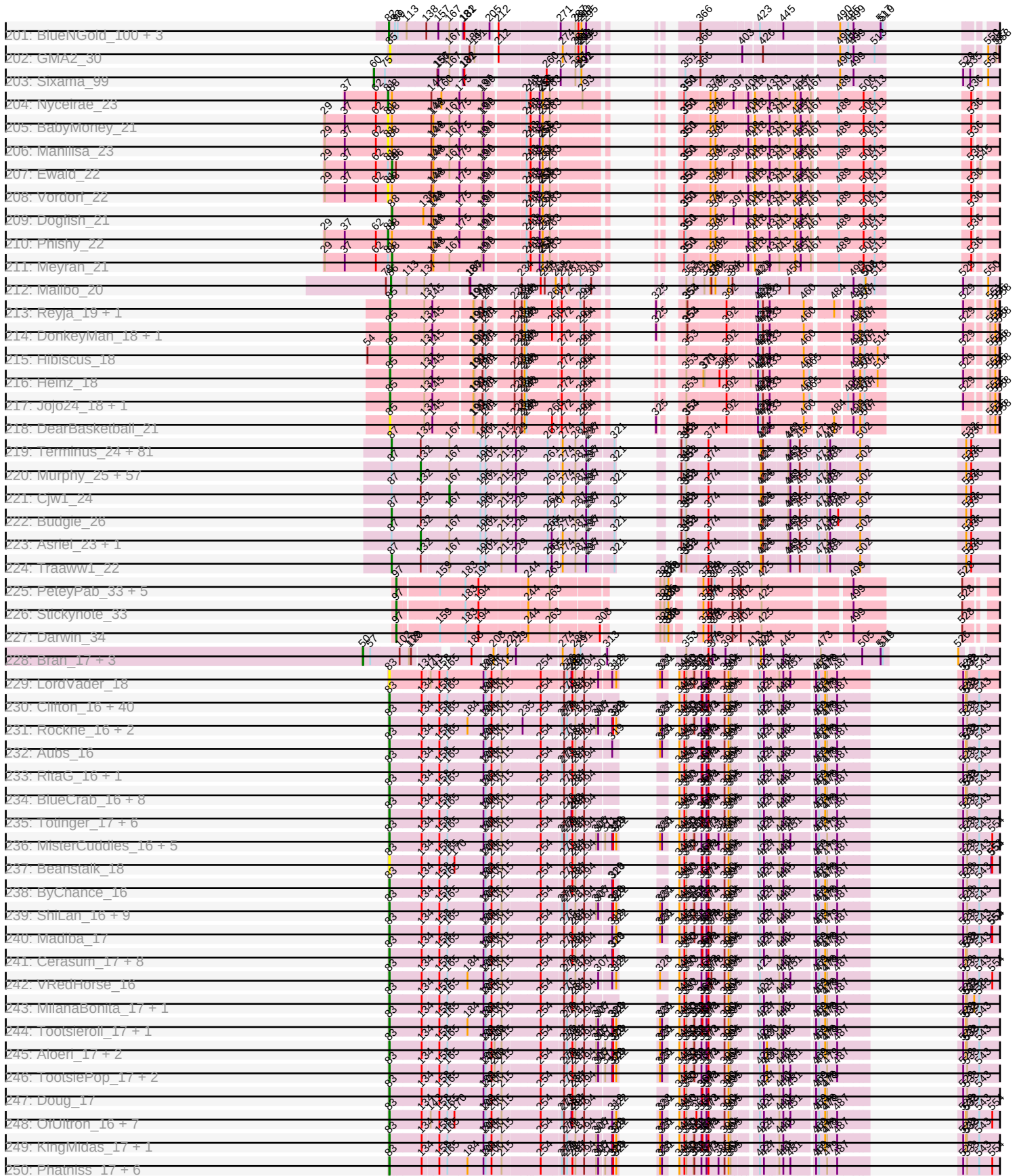
Zoomed Pham 311007



Zoomed Pham 311007



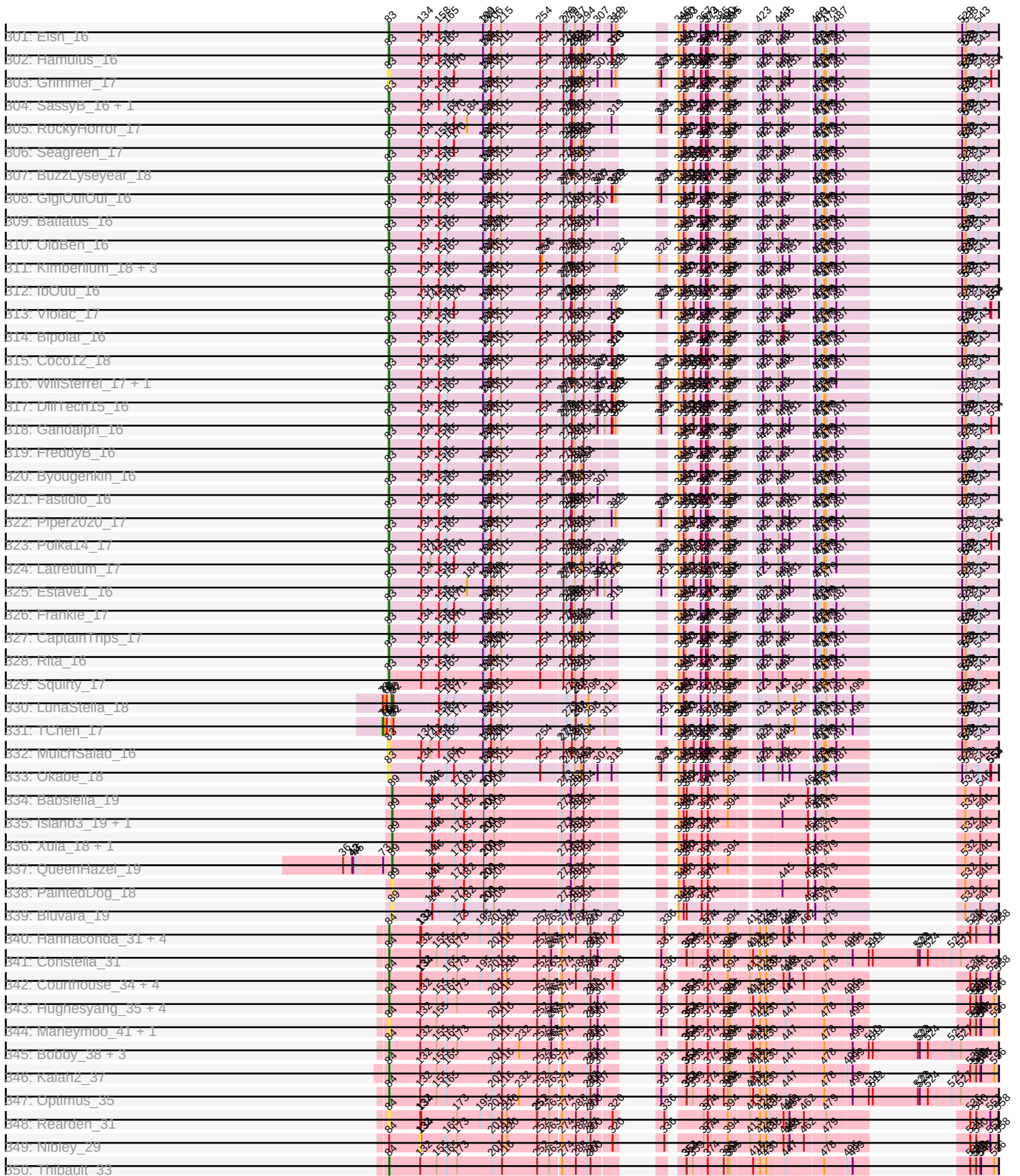
Zoomed Pham 311007



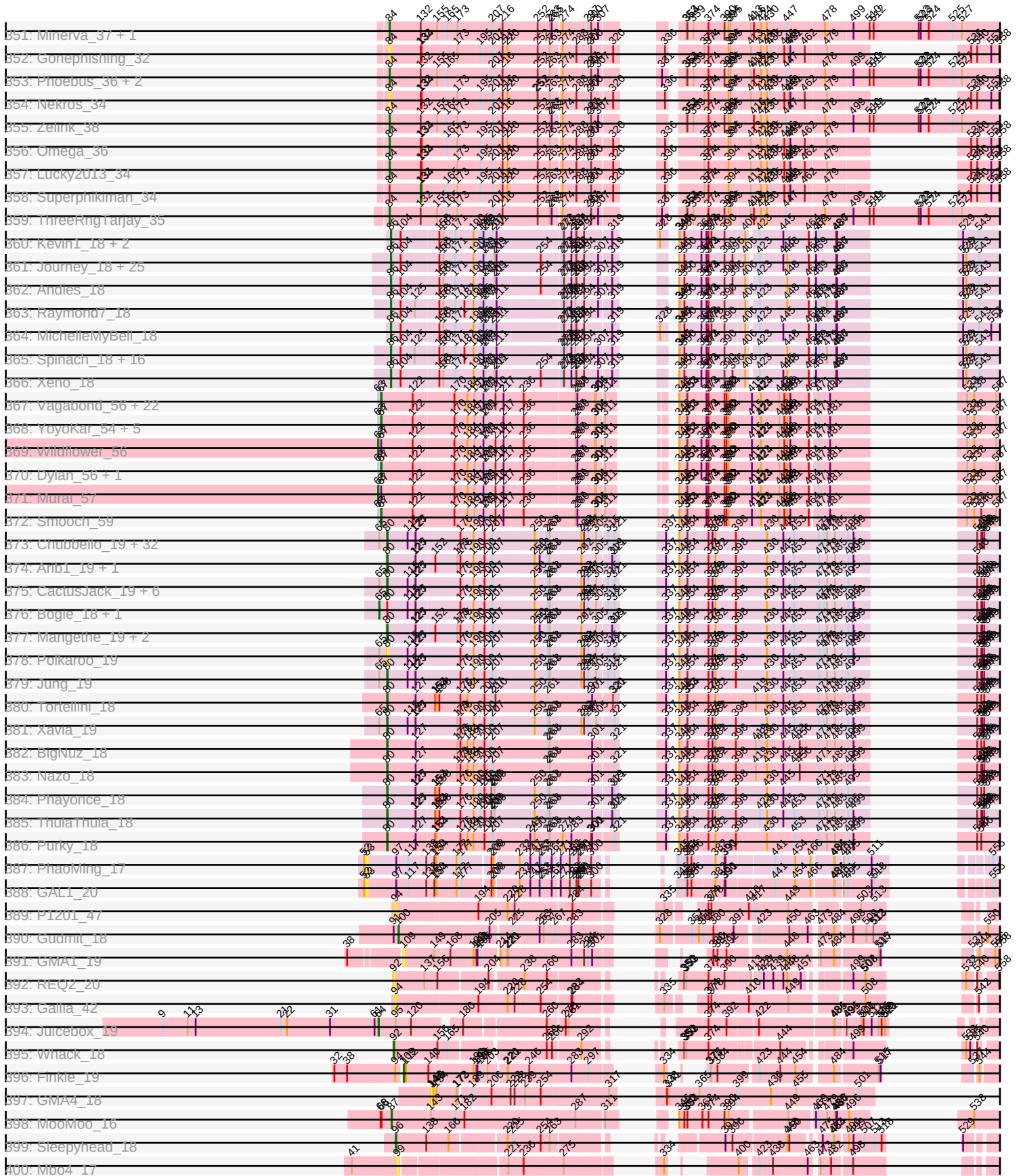
Zoomed Pham 311007

[illegible]

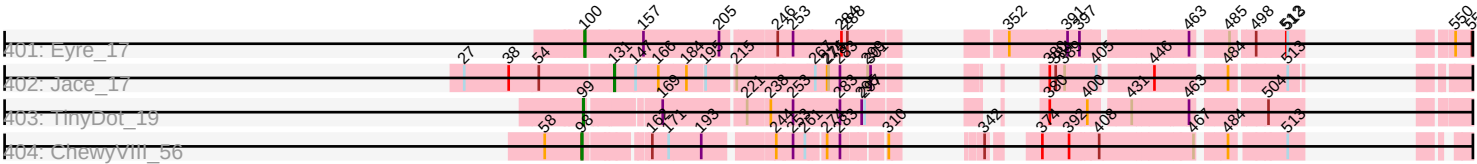
Zoomed Pham 311007



Zoomed Pham 311007



Zoomed Pham 311007



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 311007 Report

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

Pham number 311007 has 1014 members, 116 are drafts.

Phages represented in each track:

- Track 1 : Weirido19_19
- Track 2 : WST1_18
- Track 3 : IdentityCrisis_17
- Track 4 : Applejacks_18
- Track 5 : Puppies_18
- Track 6 : Widow_18
- Track 7 : Mahdia_18
- Track 8 : Gustav_18
- Track 9 : Morrissey_19
- Track 10 : Upyo_18
- Track 11 : Trine_18
- Track 12 : ClubL_48, Aphelion_48, PhinkBoden_48, Bachita_50, Toniann_48, Geeche_47, Cucurbita_50
- Track 13 : Smoothie_49, Dusty_47, Norvs_49, Abscondus_47, Lozinak_48, Engineer_49, Culver_48
- Track 14 : Miskis_46
- Track 15 : WilliamBoone_48
- Track 16 : BrutonGaster_36
- Track 17 : OneUp_42
- Track 18 : Flapper_45
- Track 19 : Dalilpop_46, GRU1_31, Turuncu_45
- Track 20 : GTE5_32
- Track 21 : GTE8_30
- Track 22 : Wheezy_41, Emianna_41, Kurt_41, NovumRegina_41, GrootJr_43, Arti_41, NatB6_41, KidneyBean_41, Phomeo_40, Foxboro_42, Jifall16_40
- Track 23 : Kabluna_44, Buggaboo_42, SuperSulley_42
- Track 24 : Tracker_41
- Track 25 : Outis_42, StarStruck_42
- Track 26 : NosilaM_44, Bonum_44
- Track 27 : Commandaria_43
- Track 28 : MerCougar_42
- Track 29 : Ennea_47
- Track 30 : RedRaider_48
- Track 31 : Patio_44
- Track 32 : Skysand_43, Float294_43
- Track 33 : Lollipop1437_46
- Track 34 : Yndexa_43, HubbaBubba_39, Sukkupi_43

- Track 35 : IDyn_42, WhoseManz_43, NadineRae_41
- Track 36 : BiPauneto_44, Pemberton_45
- Track 37 : Marietta_43
- Track 38 : Pleakley_50, Fury_50
- Track 39 : Scuba_50
- Track 40 : HomeFry_47
- Track 41 : CoffeeBean_45, Maselop_45, Polyyuki_45, Braxoaddie_45
- Track 42 : Apiary_45
- Track 43 : Gagieri_45
- Track 44 : MacGully_50
- Track 45 : Bavidard_18, Yucky_18, KayGee_18, Elinal_19, Lauer_17
- Track 46 : Elliott_18, Sopespian_18, GoldHunter_19, PsychoKiller_18, RADical_19
- Track 47 : McDazzle_17
- Track 48 : ChocoMunchkin_18, AndPeggy_17, CanesSauce_18, CaramelLatte_18
- Track 49 : Feastonyeet_17, BigChungus_17
- Track 50 : Amok_17
- Track 51 : Mayweather_19
- Track 52 : Bubble_18, Nina_19, Typhonomachy_18, Socotra_19, Axym_18
- Track 53 : ChickenTender_20
- Track 54 : Balloona_17
- Track 55 : MScarn_20, Buttrmlkdreams_18
- Track 56 : Starburst_19, RSchmailzl_19
- Track 57 : SummitAcademy_17, CocoaPuff_17, Vine_19
- Track 58 : Malvina_20, HippoPololi_20
- Track 59 : Burnsey_18
- Track 60 : AikoCarson_17, Emalyn_17
- Track 61 : Agatha_18, Cozz_18
- Track 62 : Tolls_20, SteamedHams_20, Yarn_17
- Track 63 : Biskit_19, SketchMex_17
- Track 64 : ElJefes_17
- Track 65 : PotPie_18
- Track 66 : SheckWes_17
- Track 67 : Tarnish_18
- Track 68 : Blondies_19
- Track 69 : Quasar_18
- Track 70 : Dre3_18, Gibbous_18
- Track 71 : Pons_18
- Track 72 : BillDoor_20
- Track 73 : MAnor_18
- Track 74 : Cleo_18
- Track 75 : GTE2_16
- Track 76 : Horseradish_19, SweatNTears_20, Yummy_19, Troje_18
- Track 77 : CherryonLim_19
- Track 78 : Carsonalex_19
- Track 79 : RedBaron_20
- Track 80 : MunkgeeRoachy_18
- Track 81 : Banquo_26, TinaLin_25
- Track 82 : Goib_23
- Track 83 : Huffy_24, DinoDaryn_24
- Track 84 : TZGordon_24
- Track 85 : Vendetta_22, Splinter_22
- Track 86 : Gsput1_20
- Track 87 : Dardanus_24

- Track 88 : Schmidt_20
- Track 89 : Catfish_22
- Track 90 : Wisp_18, Samba_19, Jalammah_21, Lysidious_20, Obliviate_18, ZiggyZoo_18
- Track 91 : Barco_19, Archis_20, JasperJr_19, MintFen_19, Melba_19, BlingBling_19, Zilla_19, Guacamole_19, Utz_19
- Track 92 : JuJu_19
- Track 93 : KappaFarmDelta_19
- Track 94 : PCoral7_19, Toast_19
- Track 95 : Wocket_20
- Track 96 : Pipp_19
- Track 97 : CarolAnn_19, Blino_19, Soilmate_19
- Track 98 : William_19
- Track 99 : CheeseSpider_22
- Track 100 : Begonia_20, Malachai_20
- Track 101 : Blueberry_21, MissRona_21, Gambino_21, Azula_21
- Track 102 : Murp_19
- Track 103 : CaptainKirk2_19, Delian_19, UmaThurman_19
- Track 104 : Mellie_18
- Track 105 : Frokostdame_19
- Track 106 : PrincePatrick_19
- Track 107 : Petra_21
- Track 108 : Fairfaxidum_19
- Track 109 : Hitter_19
- Track 110 : Zarbodnamra_19
- Track 111 : PhrostedPhlake_20
- Track 112 : Fenry_18
- Track 113 : Walrus_20
- Track 114 : EnalisNailo_20, Lilas_20, Bradissa_20
- Track 115 : Angelique_20
- Track 116 : Marteena_20, Floral_20, BeeGee_20, Posh_20, EMSquaredA_20, Pollux_20
- Track 117 : Confidence_20
- Track 118 : BritBrat_20
- Track 119 : Jablanski_20, Pytheas_20
- Track 120 : Wrigley_20
- Track 121 : Cashline_20
- Track 122 : LonelyBoi_20
- Track 123 : SushiChef_20, Madavieve_19
- Track 124 : Pepperoni_17, OneDirection_17, Lton_17
- Track 125 : Bunnybear_18
- Track 126 : WelcomeAyanna_18, ThankyouJordi_18
- Track 127 : Zirinka_19, Bialota_19, Ohgeesy_19
- Track 128 : Suscepit_19, Tayonia_19, Antonio_19, Polly_19, Kita_19, Zameen_19, Maridalia_18, Neobush_19, Eudoria_19, Manasvini_19, Trumpet_19
- Track 129 : Eviarto_19, Bosnia_19, TimTam_19, BatStarr_19, Nymphadora_19
- Track 130 : Madeline_19
- Track 131 : Agueybana_19
- Track 132 : Herod_19, Hugley_19
- Track 133 : Hyzer_19
- Track 134 : Mocha12_17, TuertoX_17, Cynthia_17, Whiteclaw_17, Yinzer_17, Gizermo_17, Haley23_17, Clap_17, GemG_17, Sproutie_17, Savage_17, Ebert_17
- Track 135 : Matteo_17

- Track 136 : Lamberg_17, EdnaMode_17
- Track 137 : Sahara_17
- Track 138 : Nettuno_17
- Track 139 : FroggyToad_17
- Track 140 : Yeet412_17, Attis_17, LordFarquaad_17, SoilAssassin_17, Bjanes7_17
- Track 141 : JCole_17, Pickett_17
- Track 142 : Vasanti_17
- Track 143 : Jalleen_18
- Track 144 : PantheRoc_19, Yeezy_20, BaxterFox_18, AlumE_19, BoyNamedSue_19
- Track 145 : Shlim410_20, Adora_20, Hortense_20, Howe_20, Twinkle_20
- Track 146 : PhriskyACE_19, Dorito_19
- Track 147 : Dolores_20, Rizz_23, Beenie_20, MichaelScott_20, WinkNick_20, Suerte_18, Samman98_20, Clark_20
- Track 148 : Mcklovin_20, Oregano_20, Easley_20, Thimann_20
- Track 149 : Tuti_20
- Track 150 : Powerball_19
- Track 151 : Annalisa_20, DobbysSock_19
- Track 152 : Sekhmet_20
- Track 153 : Invectra_20
- Track 154 : Denise_17
- Track 155 : Faith5x5_17
- Track 156 : Moosehead_17
- Track 157 : Sidious_19
- Track 158 : RavenCo17_17
- Track 159 : Ghobes_16
- Track 160 : Frizzle_16
- Track 161 : Sapo_16
- Track 162 : Archimedes_16
- Track 163 : Kiko_20
- Track 164 : Yvonnestic_45, JonJames_47
- Track 165 : Cardigan_47
- Track 166 : EMoore_31
- Track 167 : Hans_35, Phauci_26, Inspectinfecti_34
- Track 168 : Ali17_31
- Track 169 : Belphegor_33
- Track 170 : MelBins_34
- Track 171 : Leonard_33, Phinally_33
- Track 172 : GTE6_32, Tiamoceli_33, Chickadee_32
- Track 173 : Kwekel_32
- Track 174 : RoadKill_30
- Track 175 : EdmundFerry_31, Dexdert_33, Twonlo_30
- Track 176 : Zipp_34
- Track 177 : Sampson_35, BigHunkinEater_38, Abblin_35, Scioto_35, Natkenzie_35
- Track 178 : DoctorFroggo_34, Verity_34, Delrey21_34
- Track 179 : Tardus_36
- Track 180 : ViaConlectus_35
- Track 181 : APunk_36
- Track 182 : Pumpkiney_36
- Track 183 : Zitch_36
- Track 184 : Lilbeanie_30
- Track 185 : Morkie_18, InLimbo_19, PhorbesPhlower_18
- Track 186 : Lucky10_18

- Track 187 : Ayotoya_22, Hamood_22, Chop_22, GrandSlam_22
- Track 188 : GodonK_89
- Track 189 : Phendrix_87
- Track 190 : Bantam_30
- Track 191 : Towmatter_28
- Track 192 : Mollymur_31
- Track 193 : Daredevil_29
- Track 194 : DatBoi_31
- Track 195 : SpeedDemon_320
- Track 196 : BearBQ_19
- Track 197 : MortyNRick_19, Birdsong_19
- Track 198 : ODay_25
- Track 199 : Ecliptus_24
- Track 200 : Kuwabara_19
- Track 201 : BlueNGold_100, Mareelih_99, Forza_101, Boopy_101
- Track 202 : GMA2_30
- Track 203 : Sixama_99
- Track 204 : Nyceirae_23
- Track 205 : BabyMoney_21
- Track 206 : Manilisa_23
- Track 207 : Ewald_22
- Track 208 : Vordorf_22
- Track 209 : Dogfish_21
- Track 210 : Phishy_22
- Track 211 : Meyran_21
- Track 212 : Malibo_20
- Track 213 : Reyja_19, DinoNuggets_19
- Track 214 : DonkeyMan_18, Tarzan_18
- Track 215 : Hibiscus_18
- Track 216 : Heinz_18
- Track 217 : Jojo24_18, Santhid_18
- Track 218 : DearBasketball_21
- Track 219 : Terminus_24, Goldilocks_25, Brewer_24, Command613_25, Gator_22, Manda_25, Myrale_24, ABCat_23, Wiggin_27, Holt_25, Thimble_24, Adnama_27, Pat3_23, Teaspoon_25, Buck_23, Ukulele_24, Miniwave_24, PhatBacter_24, Lilizi_26, MPhalcon_23, Cookies_24, BaboJay_23, BadStone_23, Pharsalus_25, Gemini_27, Stark_25, StolenFromERC_26, Tarkin_26, NonchalantPear_24, Contagion_23, Phaux_23, Czyszczonek_25, StellaBean_24, Amao_24, Tomaszewski_23, BigBubba_25, FairyPath_24, AmericanBeauty_26, Elite2014_23, Kostya_24, Sotrice96_24, Simpliphy_25, CrystalP_24, Thresher_25, Misfit_24, Goku_24, ChosenOne_23, DrDrey_25, Paperbeatsrock_26, Lilpickle_23, Argent26_26, Lilac_26, MISSy_23, ShereKhan_26, ShamWow_24, MadamMonkfish_24, Nimrod_24, Balomoji_23, OrionPax_25, SophKB_24, Cactus_25, GooberAzure_26, Elph10_25, Eureka_24, HanKaySha_25, Dusk_23, 244_26, Kimchi_26, Saints25_25, Phrux_24, Qualification_25, Tuco_25, Rimmer_23, Moldemort_25, Filch_25, NoSleep_25, Highbury_25, Kanye_26, TeardropMSU_23, GoldenSpark_26, Hoonter_26, SirDuracell_23
- Track 220 : Murphy_25, Phaja_24, Dumbo_24, Rakim_25, TeamEdward_24, Ptowny_24, Mosby_23, YassJohnny_25, Porky_24, IHOP_24, Marshmallow_24, Greep_25, Icee_23, Murica_23, Inca_23, Liveloughbron_24, Bask21_24, Harella_23, Easy2Say_26, FoghornLeghorn_23, Palpatine_24, HuffyPuff_23, Petra64142_26, Flypotenuse_22, FireRed_24, Emmina_25, NelitzaMV_24, RiverMonster_24, TBrady12_26, Bogg_24, Mindy_24, Glexan_22, DoctorDiddles_24, Henry_24,

Gage_26, MollyToe_24, Bruin_24, ChotaBhai_24, Policronamos_24, Nala_24,
 PaddyBaddy_25, Daikon_22, Pumpkin_26, xkcd_25, BilboSwaggins_24, Becksu_24,
 Toto_24, Xandras_26, Willez_23, Maxxinista_25, StormChicken_24, BugsBunny_22,
 JeTaime_26, Hopey_26, Stank_27, Bench_26, Sassay_23, Youngblood_24
 • Track 221 : Cjw1_24
 • Track 222 : Budgie_26
 • Track 223 : Asriel_23, Barbarian_23
 • Track 224 : Traaww1_22
 • Track 225 : PeteyPab_33, Zion_34, Cruella_31, Kimchi1738_31, C3PO_31,
 PotatoChip_34
 • Track 226 : Stickynote_33
 • Track 227 : Darwin_34
 • Track 228 : Bran_17, StAB_17, Adelaide_17, Stiles_17
 • Track 229 : LordVader_18
 • Track 230 : Clifton_16, JalFarm20_18, SG4_16, LastJedi_16, Doomslug_18,
 Hades_16, StAnnes_16, Flathead_17, Strokeseat_16, Dante_16, Moonbeam_17,
 MinionDave_17, Brushbloom_17, Pippy_16, Bobi_18, Wee_17, PhesterPhotato_16,
 DLane_16, Geralt_16, Hlubikazi_16, Royals2015_16, Krakatau_17, Bubbles123_17,
 Wachhund_16, Jant_16, KristaRAM_17, Ms6_16, Ovechkin_16, Hegedechwinu_17,
 Peridot_18, Clank_16, Whatsapiecost_16, MilleniumForce_17, Emma_16,
 Brocalys_16, Tweety_16, Galactic_16, Jennelsea_16, Mandlovu_16, Kingsley_17,
 Koella_16
 • Track 231 : Rockne_16, Llij_16, PMC_16
 • Track 232 : Aubs_16
 • Track 233 : RitaG_16, Leperchaun_16
 • Track 234 : BlueCrab_16, Pacc40_16, Nimbo_16, Daenerys_16, PHappiness_16,
 Dorothy_16, Empress_17, JoeyJr_16, DaddyRickover_16
 • Track 235 : Totinger_17, Emmaloid_17, Starceвич_17, Vivum_16, Slim_17,
 EmiMonkey_16, PhilipPhlop_16
 • Track 236 : MisterCuddles_16, GUmbie_16, Girr_16, Veteran_16, Phasih_17,
 Ruby_16
 • Track 237 : Beanstalk_18
 • Track 238 : ByChance_16
 • Track 239 : ShiLan_16, Spikelee_17, Nivrat_16, Burwell21_16, Yorick_16,
 Martik_16, Zizzle_16, ShowerHandel_16, Jarcob_16, Lizziana_16
 • Track 240 : Madiba_17
 • Track 241 : Cerasum_17, Phanphagia_16, Shauna1_16, BigPhil_17, Medindi_16,
 Crumble_16, Ardmore_16, Velveteen_17, Brookers_17
 • Track 242 : VRedHorse_16
 • Track 243 : MilanaBonita_17, Akhila_17
 • Track 244 : Tootsieroll_17, Radiance_16
 • Track 245 : Aloeri_17, ChickenDinner_17, DocMcStuffins_17
 • Track 246 : TootsiePop_17, Misha28_17, Awesomesauce_17
 • Track 247 : Doug_17
 • Track 248 : OfUltron_16, Nichirin_16, Jinglebell_15, Modragons_16, Llama_16,
 Ochi17_16, Seabastian_16, AlpineSix_16
 • Track 249 : KingMidas_17, Scottish_17
 • Track 250 : Phatniss_17, Drago_17, Karhdo_16, UncleRicky_17, SiSi_16, Lorde_17,
 Enby_17
 • Track 251 : LittleShirley_17, Rialto_18
 • Track 252 : RedBird_16
 • Track 253 : Mattes_16, BobaPhett_16, DaWorst_18, SwagPigglett_16,
 Tchotchke_17, Sandalphon_17, Eradicator_16, DRBy19_16, James_16, Saal_16,

Sparkdehlily_16, LilMoolah_16, Philus_16, TDanisky_16, Mantra_16

- Track 254 : Firehouse51_17
- Track 255 : OwlsT2W_18
- Track 256 : Movva_17, Chuckly_16
- Track 257 : Maravista_16, PatoPoderoso_16, Leozinho_17, EleanorGeorge_16, Melissauren88_16, KingJulian_16, Corium_16, Fruitloop_16
- Track 258 : Ibhubesi_16, Harley_16
- Track 259 : Mozy_17
- Track 260 : XFactor_16
- Track 261 : DotProduct_16
- Track 262 : IMpilo_16, Filuzino_16
- Track 263 : Taj_16, DeadP_16
- Track 264 : Nitzel_17
- Track 265 : Juniper1_16
- Track 266 : Zerg_16
- Track 267 : Boomer_17
- Track 268 : Job42_19
- Track 269 : DirtMcgirt_17
- Track 270 : Ramsey_17, Stap_17, Poenanya_16, Doomphist_16
- Track 271 : Alexphander_18
- Track 272 : Minnie_17
- Track 273 : Mwanjiwa_16
- Track 274 : ArcusAngelus_16, Chevrolet_16
- Track 275 : Fancypants_16
- Track 276 : Che8_16
- Track 277 : OlympiaSaint_16, Priscilla_16, Spoonbill_16, Cabrinians_16
- Track 278 : Lucia_17
- Track 279 : Blexus_16
- Track 280 : SuperGrey_17, Kenuha5_16
- Track 281 : Topiatin_18
- Track 282 : NormanBulbieJr_16
- Track 283 : Whouxphf_16
- Track 284 : SimranZ1_17
- Track 285 : Donkeykong_16
- Track 286 : Beakin_17
- Track 287 : Sarma624_17
- Track 288 : Gorge_16
- Track 289 : Mutaforma13_16
- Track 290 : DoRead_16
- Track 291 : DosHalletts_17
- Track 292 : ShroomBoi_16
- Track 293 : Ogopogo_19
- Track 294 : Marker_17, Cornucopia_17
- Track 295 : Quico_17, Girafales_17, Florinda_16
- Track 296 : Oksu_17
- Track 297 : Phalconet_16
- Track 298 : Mahavrat_16
- Track 299 : Plumbus_17
- Track 300 : Inventum_16, Deb65_16, BodEinwohner17_16, Sassafras_16
- Track 301 : Eish_16
- Track 302 : Hamulus_16
- Track 303 : Grimmer_17
- Track 304 : SassyB_16, PopTart_16

- Track 305 : RockyHorror_17
- Track 306 : Seagreen_17
- Track 307 : BuzzLyseyear_18
- Track 308 : GigiOuiOui_16
- Track 309 : Batiatus_16
- Track 310 : OldBen_16
- Track 311 : Kimberlium_18, QuickMath_17, Juice456_18, MulchExplorer_18
- Track 312 : IbOuu_16
- Track 313 : Violac_17
- Track 314 : Bipolar_16
- Track 315 : Coco12_18
- Track 316 : WillSterrel_17, IrishSherpFalk_17
- Track 317 : DillTech15_16
- Track 318 : Gandalph_16
- Track 319 : FreddyB_16
- Track 320 : Byougenkin_16
- Track 321 : Fastidio_16
- Track 322 : Piper2020_17
- Track 323 : Polka14_17
- Track 324 : Latretium_17
- Track 325 : Estave1_16
- Track 326 : Frankie_17
- Track 327 : CaptainTrips_17
- Track 328 : Rita_16
- Track 329 : Squirty_17
- Track 330 : LunaStella_18
- Track 331 : TChen_17
- Track 332 : MulchSalad_16
- Track 333 : Okabe_18
- Track 334 : Babsiella_19
- Track 335 : Island3_19, Brujita_19
- Track 336 : Xula_18, HC_19
- Track 337 : QueenHazel_19
- Track 338 : PaintedDog_18
- Track 339 : Bluvara_19
- Track 340 : Hannaconda_31, LittleE_37, KashFlow_28, Shaboozey_28, BronnyJames_28
- Track 341 : Constella_31
- Track 342 : Courthouse_34, MiaZeal_34, Ariel_34, Porcelain_33, Squint_33
- Track 343 : Hughesyang_35, Dove_34, Odette_36, Bombitas_33, Schatzie_34
- Track 344 : Marleymoo_41, Hidrated_39
- Track 345 : Bobby_38, Wanda_37, Ejimix_37, DmpstrDiver_35
- Track 346 : Kalah2_37
- Track 347 : Optimus_35
- Track 348 : Rearden_31
- Track 349 : Nibley_29
- Track 350 : Thibault_33
- Track 351 : Minerva_37, Klein_37
- Track 352 : Gonephishing_32
- Track 353 : Phoebus_36, Redno2_35, BAKA_34
- Track 354 : Nekros_34
- Track 355 : Zelink_38
- Track 356 : Omega_36

- Track 357 : Lucky2013_34
- Track 358 : Superphikiman_34
- Track 359 : ThreeRngTarjay_35
- Track 360 : Kevin1_18, Rubeelu_18, Butters_18
- Track 361 : Journey_18, Gex_18, Smurph_18, Bosection6_18, Fulbright_18, Scitech_18, Schnauzer_18, Duplicity_18, Carcharodon_18, Melville_18, Silvy_18, Charlie_18, Parmesanjohn_18, Silvafighter_18, Xerxes_18, Tortoise12_18, Philonius_18, Pipsqueaks_18, Cubone_18, Tessdabest_17, EGUnicorn_18, Phloss_18, Tapioca_18, Aggie_18, Magsby_18, Chewbacca_18
- Track 362 : Andies_18
- Track 363 : Raymond7_18
- Track 364 : MichelleMyBell_18
- Track 365 : Spinach_18, Jamie19_18, Redi_18, Panchino_18, PhancyPhin_18, Rebel_18, Shweta_18, ShrimpFriedEgg_18, Phrann_18, Snekmaggon_18, Nenae_18, Purgamenstris_18, Hanako_18, SkinnyPete_18, Impisi_19, SpongeBob_18, BabeRuth_18
- Track 366 : Xeno_18
- Track 367 : Vagabond_56, Krili_55, Corndog_59, NiebruSaylor_55, Blessica_57, Wogge42_55, Mori_56, Shida_56, Ryadel_60, Alkhayr_56, Ashwin_58, JangDynasty_56, Schuy_57, Familton_57, Bora_54, MadKillah_57, Winget_57, Firecracker_57, KingPhillip3_56, SchoolBus_56, YungJamal_61, FoulBall_56, Vorps_56
- Track 368 : YoyoKar_54, Catdawg_56, Idergollasper_56, TelAviv_53, Zebo_56, Imara_54
- Track 369 : Wildflower_56
- Track 370 : Dylan_56, Zakhe101_56
- Track 371 : Murai_57
- Track 372 : Smooch_59
- Track 373 : Chubbello_19, Necropolis_19, Fishburne_19, Ksquared_19, Donovan_19, Techage_19, Bhagsy_19, PeanutPie_19, Atcoo_19, Etoile_19, GaloreK_19, Sonah_19, Zilizebeth_19, Bartholomew_19, Jebeks_19, Dynamo_19, Venti_19, Brusacoram_19, FirstPlacePfu_19, Camster_19, Bunnies_19, Langerak_19, Thespis_19, Malithi_19, Phineas_19, StevieRay_19, Kari_19, Juniormint_19, HUHilltop_19, Shipwreck_18, Vidya_19, Willsammy_19, Pygmy_18
- Track 374 : Arib1_19, BronnyJr_19
- Track 375 : CactusJack_19, Gavriela_19, KilKor_19, Phalm_19, Glaske_19, StressBall_19, Megiddo_19
- Track 376 : Bogie_18, GreaseLightnin_19
- Track 377 : Mangethe_19, Majeke_19, Phegasus_19
- Track 378 : Polkaroo_19
- Track 379 : Jung_19
- Track 380 : Tortellini_18
- Track 381 : Xavia_19
- Track 382 : BigNuz_18
- Track 383 : Nazo_18
- Track 384 : Phayonce_18
- Track 385 : ThulaThula_18
- Track 386 : Purky_18
- Track 387 : PhaoMing_17
- Track 388 : GAL1_20
- Track 389 : P1201_47
- Track 390 : Gudmit_18
- Track 391 : GMA1_19

- Track 392 : REQ2_20
- Track 393 : Gallia_42
- Track 394 : Juicebox_19
- Track 395 : Whack_18
- Track 396 : Finkle_19
- Track 397 : GMA4_18
- Track 398 : MooMoo_16
- Track 399 : Sleepyhead_18
- Track 400 : Mbo4_17
- Track 401 : Eyre_17
- Track 402 : Jace_17
- Track 403 : TinyDot_19
- Track 404 : ChewyVIII_56

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

The start number called the most often in the published annotations is 83, it was called in 222 of the 898 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• Akhila_17, Alexphander_18, Aloeri_17, AlpineSix_16, ArcusAngelus_16, Ardmore_16, Aubs_16, Awesomesauce_17, Batiatus_16, Beakin_17, Beanstalk_18, BigPhil_17, Bipolar_16, Blexus_16, BlueCrab_16, BobaPhett_16, Bobi_18, BodEinwohner17_16, Boomer_17, Brocalys_16, Brookers_17, Brushbloom_17, Bubbles123_17, Burwell21_16, BuzzLyseyear_18, ByChance_16, Byougenkin_16, Cabrinians_16, CaptainTrips_17, Cerasum_17, Che8_16, Chevrolet_16, ChickenDinner_17, Chuckly_16, Clank_16, Clifton_16, Coco12_18, Corium_16, Cornucopia_17, Crumble_16, DLane_16, DRBy19_16, DaWorst_18, DaddyRickover_16, Daenerys_16, Dante_16, DeadP_16, Deb65_16, DillTech15_16, DoRead_16, DocMcStuffsins_17, Donkeykong_16, Doomphist_16, Doomslug_18, Dorothy_16, DosHalletts_17, DotProduct_16, Doug_17, Drago_17, Eish_16, EleanorGeorge_16, EmiMonkey_16, Emma_16, Emmaloid_17, Empress_17, Enby_17, Eradicator_16, Estave1_16, Fancypants_16, Fastidio_16, Filuzino_16, Firehouse51_17, Flathead_17, Florinda_16, Frankie_17, FreddyB_16, Fruitloop_16, GUmbie_16, Galactic_16, Gandolph_16, Geralt_16, GigiOuiOui_16, Girafales_17, Girr_16, Gorge_16, Grimmer_17, Hades_16, Hamulus_16, Harley_16, Hegedechwinu_17, Hlubikazi_16, IMpilo_16, IbOuu_16, Ibhubesi_16, Invention_16, IrishSherpFalk_17, JafFarm20_18, James_16, Jant_16, Jacob_16, Jennelsea_16, Jinglebell_15, Job42_19, JoeyJr_16, Juice456_18, Juniper1_16, Karhdo_16, Kenuha5_16, Kimberlium_18, KingJulian_16, KingMidas_17, Kingsley_17, Koella_16, Krakatau_17, KristaRAM_17, LastJedi_16, Latretium_17, Leozinho_17, Leperchaun_16, LilMoolah_16, LittleShirley_17, Lizziana_16, Llama_16, Llij_16, LordVader_18, Lorde_17, Lucia_17, Madiba_17, Mahavrat_16, Mandlovu_16, Mantra_16, Maravista_16, Marker_17, Martik_16, Mattes_16, Medindi_16, Melissauren88_16, MilanaBonita_17, MilleniumForce_17, MinionDave_17, Minnie_17, Misha28_17, MisterCuddles_16, Modragons_16, Moonbeam_17, Mova_17, Mozy_17, Ms6_16, MulchExplorer_18, MulchSalad_16, Mutaforma13_16, Mwanjiwa_16, Nichirin_16, Nimbo_16, Nivrat_16, NormanBulbieJr_16, Ochi17_16, OfUltron_16, Ogopogo_19, Okabe_18, Oksu_17, OldBen_16, OlympiaSaint_16, Ovechkin_16, OwlsT2W_18, PHappiness_16, PMC_16, Pacc40_16,

PatoPoderoso_16, Peridot_18, Phalconet_16, Phanphagia_16, Phasih_17, Phatniss_17, PhesterPhotato_16, Philus_16, PhilipPhlop_16, Piper2020_17, Pippy_16, Plumbus_17, Poenanya_16, Polka14_17, PopTart_16, Priscilla_16, QuickMath_17, Quico_17, Radiance_16, Ramsey_17, RedBird_16, Rialto_18, RitaG_16, Rita_16, Rockne_16, RockyHorror_17, Royals2015_16, Ruby_16, SG4_16, Saal_16, Sandalphon_17, Sassafras_16, SassyB_16, Scottish_17, Seabastian_16, Seagreen_17, Shauna1_16, ShiLan_16, ShowerHandel_16, ShroomBoi_16, SiSi_16, SimranZ1_17, Slim_17, Sparkdehlily_16, Spikelee_17, Spoonbill_16, Squirty_17, StAnnes_16, Stap_17, Starceвич_17, Strokeseat_16, SuperGrey_17, SwagPiggett_16, TDanisky_16, Taj_16, Tchotchke_17, TootsiePop_17, Tootsieroll_17, Topiatin_18, Totinger_17, Tweety_16, UncleRicky_17, VRedHorse_16, Velveteen_17, Veteran_16, Violac_17, Vivum_16, Wachhund_16, Wee_17, Whatsapiecost_16, Whouxphf_16, WillSterrel_17, XFactor_16, Yorick_16, Zerg_16, Zizzle_16,

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

- DirtMcgirt_17, Sarma624_17,

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

- 244_26, ABCat_23, APunk_36, Abblin_35, Abscondus_47, Adelaide_17, Adnama_27, Adora_20, Agatha_18, Aggie_18, Agueybana_19, AikoCarson_17, Ali17_31, Alkhayr_56, AlumE_19, Amao_24, AmericanBeauty_26, Amok_17, AndPeggy_17, Andies_18, Angelique_20, Annalisa_20, Antonio_19, Aphelion_48, Apiary_45, Applejacks_18, Archimedes_16, Archis_20, Argent26_26, Arib1_19, Ariel_34, Arti_41, Ashwin_58, Asriel_23, Atcoo_19, Attis_17, Axym_18, Ayotoya_22, Azula_21, BAKA_34, BabeRuth_18, BaboJay_23, Babsiella_19, BabyMoney_21, Bachita_50, BadStone_23, Balloona_17, Balomoji_23, Banquo_26, Bantam_30, Barbarian_23, Barco_19, Bartholomew_19, Bask21_24, BatStarr_19, Bavilard_18, BaxterFox_18, BearBQ_19, Becksu_24, BeeGee_20, Beenie_20, Begonia_20, Belphegor_33, Bench_26, Bhagsy_19, BiPauneto_44, Bialota_19, BigBubba_25, BigChungus_17, BigHunkinEater_38, BigNuz_18, BilboSwaggins_24, BillDoor_20, Birdsong_19, Biskit_19, Bjaner7_17, Blessica_57, BlingBling_19, Blino_19, Blondies_19, BlueNGold_100, Blueberry_21, Bluvara_19, Bobby_38, Bogg_24, Bogie_18, Bombitas_33, Bonum_44, Boopy_101, Bora_54, Bosection6_18, Bosnia_19, BoyNamedSue_19, Bradissa_20, Bran_17, Braxoaddie_45, Brewer_24, BritBrat_20, BronnyJames_28, BronnyJr_19, Bruin_24, Brujita_19, Brusacoram_19, BrutonGaster_36, Bubble_18, Buck_23, Budgie_26, Buggaboo_42, BugsBunny_22, Bunnies_19, Bunnybear_18, Burnsey_18, Butters_18, Buttrmlkdreams_18, C3PO_31, CactusJack_19, Cactus_25, Camster_19, CanesSauce_18, CaptainKirk2_19, CaramellLatte_18, Carcharodon_18, Cardigan_47, CarolAnn_19, Carsonalex_19, Cashline_20, Catdawg_56, Catfish_22, Charlie_18, CheeseSpider_22, CherryonLim_19, Chewbacca_18, ChewyVIII_56, Chickadee_32, ChickenTender_20, ChocoMunchkin_18, Chop_22, ChosenOne_23, ChotaBhai_24, Chubbello_19, Cjw1_24, Clap_17, Clark_20, Cleo_18, ClubL_48, CocoaPuff_17, CoffeeBean_45, Command613_25, Commandaria_43, Confidence_20, Constella_31, Contagion_23, Cookies_24, Corndog_59, Courthouse_34, Cozz_18, Cruella_31, CrystalP_24, Cubone_18, Cucurbita_50, Culver_48, Cynthia_17, Czyszczon1_25, Daikon_22, Dalilpop_46, Dardanus_24, Daredevil_29, Darwin_34, DatBoi_31, DearBasketball_21, Delian_19, Delrey21_34, Denise_17, Dexdert_33, DinoDaryn_24, DinoNuggets_19, DmpstrDiver_35, DobbysSock_19, DoctorDiddles_24, DoctorFroggo_34, Dogfish_21, Dolores_20, DonkeyMan_18, Donovan_19, Dorito_19, Dove_34, DrDrey_25, Dre3_18, Dumbo_24, Duplicity_18, Dusk_23, Dusty_47, Dylan_56, Dynamo_19, EGUnicorn_18, EMOore_31, EMsquaredA_20, Easley_20,

Easy2Say_26, Ebert_17, Ecliptus_24, EdmundFerry_31, EdnaMode_17, Ejimix_37, ElJefes_17, Elinal_19, Elliott_18, Elite2014_23, Elph10_25, Emalyn_17, Emianna_41, Emmina_25, EnalisNailo_20, Engineer_49, Ennea_47, Etoile_19, Eudoria_19, Eureka_24, Eviarto_19, Ewald_22, Eyre_17, Fairfaxidum_19, FairyPath_24, Faith5x5_17, Familton_57, Feastonyeet_17, Fenry_18, Filch_25, Finkle_19, FireRed_24, Firecracker_57, FirstPlacePfu_19, Fishburne_19, Flapper_45, Float294_43, Floral_20, Flypotenuse_22, FoghornLeghorn_23, Forza_101, FoulBall_56, Foxboro_42, Frizzle_16, FroggyToad_17, Frokostdame_19, Fulbright_18, Fury_50, GAL1_20, GMA1_19, GMA2_30, GMA4_18, GRU1_31, GTE2_16, GTE5_32, GTE6_32, GTE8_30, Gage_26, Gagieri_45, Gallia_42, GaloreK_19, Gambino_21, Gator_22, Gavriela_19, Geeche_47, GemG_17, Gemini_27, Gex_18, Ghobes_16, Gibbous_18, Gizermo_17, Glaske_19, Glexan_22, GodonK_89, Goib_23, Goku_24, GoldHunter_19, GoldenSpark_26, Goldilocks_25, Gonephishing_32, GooberAzure_26, GrandSlam_22, GreaseLightnin_19, Greep_25, GrootJr_43, Gsput1_20, Guacamole_19, Gudmit_18, Gustav_18, HC_19, HUHilltop_19, Haley23_17, Hamood_22, HanKaySha_25, Hanako_18, Hannaconda_31, Hans_35, Harella_23, Heinz_18, Henry_24, Herod_19, Hibiscus_18, Hidrated_39, Highbury_25, HippoPololi_20, Hitter_19, Holt_25, HomeFry_47, Hoonter_26, Hopey_26, Horseradish_19, Hortense_20, Howe_20, HubbaBubba_39, HuffyPuff_23, Huffy_24, Hughesyang_35, Hugley_19, Hyzer_19, IDyn_42, IHOP_24, Icee_23, IdentityCrisis_17, Idergollasper_56, Imara_54, Impisi_19, InLimbo_19, Inca_23, Inspectinfecti_34, Invetra_20, Island3_19, JCole_17, Jablanski_20, Jace_17, Jalammah_21, Jalleen_18, Jamie19_18, JangDynasty_56, JasperJr_19, JeTaima_26, Jebeks_19, Jifall16_40, Jojo24_18, JonJames_47, Journey_18, JuJu_19, Juicebox_19, Jung_19, Juniormint_19, Kabluna_44, Kalah2_37, Kanye_26, KappaFarmDelta_19, Kari_19, KashFlow_28, KayGee_18, Kevin1_18, KidneyBean_41, Kiko_20, KilKor_19, Kimchi1738_31, Kimchi_26, KingPhillip3_56, Kita_19, Klein_37, Kostya_24, Krili_55, Ksquared_19, Kurt_41, Kuwabara_19, Kwekel_32, Lamberg_17, Langerak_19, Lauer_17, Leonard_33, Lilac_26, Lilas_20, Lilbeanie_30, Lilizi_26, Lilpickle_23, LittleE_37, Liveloughbron_24, Lollipop1437_46, LonelyBoi_20, LordFarquaad_17, Lozinak_48, Lton_17, Lucky10_18, Lucky2013_34, LunaStella_18, Lysidious_20, MAnor_18, MISSy_23, MPhalcon_23, MScarn_20, MacGully_50, MadKillah_57, MadamMonkfish_24, Madavieve_19, Madeline_19, Magsby_18, Mahdia_18, Majeke_19, Malachai_20, Malibo_20, Malithi_19, Malvina_20, Manasvini_19, Manda_25, Mangethe_19, Manilisa_23, Mareelih_99, Maridalia_18, Marietta_43, Marleymoo_41, Marshmallow_24, Marteena_20, Maselop_45, Matteo_17, Maxxinista_25, Mayweather_19, Mbo4_17, McDazzle_17, Mcklovin_20, Megiddo_19, MelBins_34, Melba_19, Mellie_18, Melville_18, MerCougar_42, Meyran_21, MiaZeal_34, MichaelScott_20, MichelleMyBell_18, Mindy_24, Minerva_37, Miniwave_24, MintFen_19, Misfit_24, Miskis_46, MissRona_21, Mocha12_17, Moldemort_25, MollyToe_24, Mollymur_31, MooMoo_16, Moosehead_17, Mori_56, Morkie_18, Morrissey_19, MortyNRick_19, Mosby_23, MunkgeeRoachy_18, Murai_57, Murica_23, Murp_19, Murphy_25, Myrale_24, NadineRae_41, Nala_24, NatB6_41, Natkenzie_35, Nazo_18, Necropolis_19, Nekros_34, NelitzaMV_24, Nenae_18, Neobush_19, Nettuno_17, Nibley_29, NiebruSaylor_55, Nimrod_24, Nina_19, Nitzel_17, NoSleep_25, NonchalantPear_24, Norvs_49, NosilaM_44, NovumRegina_41, Nyceirae_23, Nymphadora_19, ODay_25, Obliviate_18, Odette_36, Ohgeesy_19, Omega_36, OneDirection_17, OneUp_42, Optimus_35, Oregano_20, OrionPax_25, Outis_42, P1201_47, PCoral7_19, PaddyBaddy_25, PaintedDog_18, Palpatine_24, Panchino_18, PantheRoc_19, Paperbeatsrock_26, Parmesanjohn_18, Pat3_23, Patio_44, PeanutPie_19, Pemberton_45, Pepperoni_17, PeteyPab_33, Petra64142_26, Petra_21, Phaja_24, Phalm_19, PhancyPhin_18,

PhaoMing_17, Pharsalus_25, PhatBacter_24, Phauci_26, Phaux_23, Phayonce_18, Phegasus_19, Phendrix_87, Philonius_18, Phinally_33, Phineas_19, PhinkBoden_48, Phishy_22, Phloss_18, Phoebus_36, Phomeo_40, PhorbesPhlower_18, Phrann_18, PhriskACE_19, PhrostedPhlake_20, Phrux_24, Pickett_17, Pipp_19, Pipsqueaks_18, Pleakley_50, Policronamos_24, Polkaroo_19, Pollux_20, Polly_19, Polyyuki_45, Pons_18, Porcelain_33, Porky_24, Posh_20, PotPie_18, PotatoChip_34, Powerball_19, PrincePatrick_19, PsychoKiller_18, Ptowny_24, Pumpkin_26, Pumpkiney_36, Puppies_18, Purgamenstris_18, Purky_18, Pygmy_18, Pytheas_20, Qualification_25, Quasar_18, QueenHazel_19, RADical_19, REQ2_20, RSchmailzl_19, Rakim_25, RavenCo17_17, Raymond7_18, Rearden_31, Rebel_18, RedBaron_20, RedRaider_48, Redi_18, Redno2_35, Reyja_19, Rimmer_23, RiverMonster_24, Rizz_23, RoadKill_30, Rubeelu_18, Ryadel_60, Sahara_17, Saints25_25, Samba_19, Samman98_20, Sampson_35, Santhid_18, Sapo_16, Sassay_23, Savage_17, Schatzie_34, Schmidt_20, Schnauzer_18, SchoolBus_56, Schuy_57, Scioto_35, Scitech_18, Scuba_50, Sekhmet_20, Shaboozey_28, ShamWow_24, SheckWes_17, ShereKhan_26, Shida_56, Shipwreck_18, Shlim410_20, ShrimpFriedEgg_18, Shweta_18, Sidious_19, Silvafighter_18, Silvy_18, Simpliphy_25, SirDuracell_23, Sixama_99, SketchMex_17, SkinnyPete_18, Skysand_43, Sleepyhead_18, Smooch_59, Smoothie_49, Smurph_18, Snekmaggon_18, Socotra_19, SoilAssassin_17, Soilmate_19, Sonah_19, Sopespian_18, SophKB_24, Sotrice96_24, SpeedDemon_320, Spinach_18, Splinter_22, SpongeBob_18, Sproutie_17, Squint_33, StAB_17, Stank_27, StarStruck_42, Starburst_19, Stark_25, SteamedHams_20, StellaBean_24, StevieRay_19, Stickynote_33, Stiles_17, StolenFromERC_26, StormChicken_24, StressBall_19, Suerte_18, Sukkupi_43, SummitAcademy_17, SuperSulley_42, Superphikiman_34, Suscepit_19, SushiChef_20, SweatNTears_20, TBrady12_26, TChen_17, TZGordon_24, Tapioca_18, Tardus_36, Tarkin_26, Tarnish_18, Tarzan_18, Tayonia_19, TeamEdward_24, TeardropMSU_23, Teaspoon_25, Techage_19, TelAviv_53, Terminus_24, Tessdabest_17, ThankyouJordi_18, Thespis_19, Thibault_33, Thimann_20, Thimble_24, ThreeRngTarjay_35, Thresher_25, ThulaThula_18, Tiamoceli_33, TimTam_19, TinaLin_25, TinyDot_19, Toast_19, Tolls_20, Tomaszewski_23, Toniann_48, Tortellini_18, Tortoise12_18, Toto_24, Towmatter_28, Traaww1_22, Tracker_41, Trine_18, Troje_18, Trumpet_19, Tuco_25, TuertoX_17, Turuncu_45, Tuti_20, Twinkle_20, Twonlo_30, Typhonomachy_18, Ukulele_24, UmaThurman_19, Upyo_18, Utz_19, Vagabond_56, Vasanti_17, Vendetta_22, Venti_19, Verity_34, ViaConlectus_35, Vidya_19, Vine_19, Vordorf_22, Vorrrps_56, WST1_18, Walrus_20, Wanda_37, Weirdo19_19, WelcomeAyanna_18, Whack_18, Wheezy_41, Whiteclaw_17, WhoseManz_43, Widow_18, Wiggin_27, Wildflower_56, Willez_23, WilliamBoone_48, William_19, Willsammy_19, Winget_57, WinkNick_20, Wisp_18, Wocket_20, Wogge42_55, Wrigley_20, Xandras_26, Xavia_19, Xeno_18, Xerxes_18, Xula_18, Yarn_17, YassJohnny_25, Yeet412_17, Yeezy_20, Yinzer_17, Yndexa_43, Youngblood_24, YoyoKar_54, Yucky_18, Yummy_19, YungJamal_61, Yvonnestic_45, Zakhe101_56, Zameen_19, Zarbodnamra_19, Zebo_56, Zelink_38, ZiggyZoo_18, Zilizebeth_19, Zilla_19, Zion_34, Zipp_34, Zirinka_19, Zitch_36, xkcd_25,

Summary by start number:

Start 44:

- Found in 17 of 1014 (1.7%) of genes in pham
- Manual Annotations of this start: 1 of 898
- Called 5.9% of time when present
- Phage (with cluster) where this start called: BritBrat_20 (CY2),

Start 48:

- Found in 2 of 1014 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 898
- Called 100.0% of time when present
- Phage (with cluster) where this start called: IdentityCrisis_17 (AJ), WST1_18 (AJ),

Start 50:

- Found in 4 of 1014 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 898
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Adelaide_17 (EP), Bran_17 (EP), StAB_17 (EP), Stiles_17 (EP),

Start 51:

- Found in 27 of 1014 (2.7%) of genes in pham
- Manual Annotations of this start: 25 of 898
- Called 96.3% of time when present
- Phage (with cluster) where this start called: Angelique_20 (CY1), BearBQ_19 (DN), BeeGee_20 (CY5), Birdsong_19 (DN), Bradissa_20 (CY1), Cashline_20 (CY6), Confidence_20 (CY1), EMSquaredA_20 (CY1), Ecliptus_24 (DN), EnalisNailo_20 (CY1), Floral_20 (CY1), InLimbo_19 (DH), Jablanski_20 (CY3), Kuwabara_19 (DN4), Lilas_20 (CY1), LonelyBoi_20 (CY7), Lucky10_18 (DH), Marteena_20 (CY1), Morkie_18 (DH), MortyNRick_19 (DN), ODay_25 (DN), PhorbesPhlower_18 (DH), Pollux_20 (CY1), Posh_20 (CY4), Pytheas_20 (CY3), Wrigley_20 (CY4),

Start 53:

- Found in 11 of 1014 (1.1%) of genes in pham
- No Manual Annotations of this start.
- Called 18.2% of time when present
- Phage (with cluster) where this start called: GAL1_20 (singleton), PhaoMing_17 (UNK),

Start 59:

- Found in 1 of 1014 (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: Weirido19_19 (AH),

Start 60:

- Found in 10 of 1014 (1.0%) of genes in pham
- Manual Annotations of this start: 1 of 898
- Called 10.0% of time when present
- Phage (with cluster) where this start called: Sixama_99 (DS),

Start 63:

- Found in 34 of 1014 (3.4%) of genes in pham
- Manual Annotations of this start: 2 of 898
- Called 5.9% of time when present
- Phage (with cluster) where this start called: Murai_57 (O), Wildflower_56 (O),

Start 64:

- Found in 2 of 1014 (0.2%) of genes in pham

- Manual Annotations of this start: 1 of 898
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Juicebox_19 (singleton),

Start 65:

- Found in 45 of 1014 (4.4%) of genes in pham
- Manual Annotations of this start: 2 of 898
- Called 4.4% of time when present
- Phage (with cluster) where this start called: Bogie_18 (P1), GreaseLightnin_19 (P1),

Start 67:

- Found in 43 of 1014 (4.2%) of genes in pham
- Manual Annotations of this start: 29 of 898
- Called 74.4% of time when present
- Phage (with cluster) where this start called: Alkhayr_56 (O), Ashwin_58 (O), Blessica_57 (O), Bora_54 (O), Catdawg_56 (O), Corndog_59 (O), Dylan_56 (O), Familton_57 (O), Firecracker_57 (O), FoulBall_56 (O), Idergollasper_56 (O), Imara_54 (O), JangDynasty_56 (O), KingPhillip3_56 (O), Krili_55 (O), MadKillah_57 (O), Mori_56 (O), NiebruSaylor_55 (O), Ryadel_60 (O), SchoolBus_56 (O), Schuy_57 (O), Shida_56 (O), Smooch_59 (O), TelAviv_53 (O), Vagabond_56 (O), Vorrrps_56 (O), Winget_57 (O), Wogge42_55 (O), YoyoKar_54 (O), YungJamal_61 (O), Zakhe101_56 (O), Zebo_56 (O),

Start 69:

- Found in 3 of 1014 (0.3%) of genes in pham
- Manual Annotations of this start: 2 of 898
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Cardigan_47 (DD), JonJames_47 (DD), Yvonnestic_45 (DD),

Start 72:

- Found in 2 of 1014 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 898
- Called 50.0% of time when present
- Phage (with cluster) where this start called: TChen_17 (F4),

Start 73:

- Found in 63 of 1014 (6.2%) of genes in pham
- Manual Annotations of this start: 9 of 898
- Called 33.3% of time when present
- Phage (with cluster) where this start called: AndPeggy_17 (CT), Biskit_19 (CT), Blondies_19 (CT), Burnsey_18 (CT), CanesSauce_18 (CT), CaramelLatte_18 (CT), Carsonalex_19 (CT), CherryonLim_19 (CT), ChocoMunchkin_18 (CT), ElJefes_17 (CT), Elliott_18 (CT), GoldHunter_19 (CT), Mollymur_31 (DL), Pons_18 (CT), PotPie_18 (CT), PsychoKiller_18 (CT), RADical_19 (CT), RSchmailzl_19 (CT), SketchMex_17 (CT), Sopespian_18 (CT), Starburst_19 (CT),

Start 74:

- Found in 18 of 1014 (1.8%) of genes in pham
- Manual Annotations of this start: 17 of 898
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Abscondus_47 (CQ1), Aphelion_48 (CQ1), Bachita_50 (CQ1), BrutonGaster_36 (CQ2), ClubL_48 (CQ1), Cucurbita_50

(CQ1), Culver_48 (CQ1), Dusty_47 (CQ1), Engineer_49 (CQ1), Geeche_47 (CQ1), Lozinak_48 (CQ1), Miskis_46 (CQ1), Norvs_49 (CQ1), OneUp_42 (CQ2), PhinkBoden_48 (CQ1), Smoothie_49 (CQ1), Toniann_48 (CQ1), WilliamBoone_48 (CQ1),

Start 75:

- Found in 7 of 1014 (0.7%) of genes in pham
- Manual Annotations of this start: 5 of 898
- Called 71.4% of time when present
- Phage (with cluster) where this start called: Bantam_30 (DL), Daredevil_29 (DL), DatBoi_31 (DL), SpeedDemon_320 (DL), Towmatter_28 (DL),

Start 77:

- Found in 66 of 1014 (6.5%) of genes in pham
- Manual Annotations of this start: 39 of 898
- Called 68.2% of time when present
- Phage (with cluster) where this start called: Agatha_18 (CT), AikoCarson_17 (CT), Amok_17 (CT), Axym_18 (CT), Balloona_17 (CT), Bavilard_18 (CT), BigChungus_17 (CT), BillDoor_20 (CT), Bubble_18 (CT), Buttrmlkdreams_18 (CT), ChickenTender_20 (CT), Cleo_18 (CT), CocoaPuff_17 (CT), Cozz_18 (CT), Dre3_18 (CT), Elinal_19 (CT), Emalyn_17 (CT), Feastonyeet_17 (CT), Gibbous_18 (CT), HippoPololi_20 (CT), Horseradish_19 (CT), KayGee_18 (CT), Lauer_17 (CT), MAnor_18 (CT), MScarn_20 (CT), Malvina_20 (CT), Mayweather_19 (CT), McDazzle_17 (CT), MunkgeeRoachy_18 (CT), Nina_19 (CT), Quasar_18 (CT), RedBaron_20 (CT), SheckWes_17 (CT), Socotra_19 (CT), SteamedHams_20 (CT), SummitAcademy_17 (CT), SweatNTears_20 (CT), Tarnish_18 (CT), Tolls_20 (CT), Troje_18 (CT), Typhonmarchy_18 (CT), Vine_19 (CT), Yarn_17 (CT), Yucky_18 (CT), Yummy_19 (CT),

Start 80:

- Found in 58 of 1014 (5.7%) of genes in pham
- Manual Annotations of this start: 48 of 898
- Called 93.1% of time when present
- Phage (with cluster) where this start called: Arib1_19 (P1), Atcoo_19 (P1), Bartholomew_19 (P1), Bhagsy_19 (P1), BigNuz_18 (P4), BronnyJr_19 (P1), Brusacoram_19 (P1), Bunnies_19 (P1), CactusJack_19 (P1), Camster_19 (P1), Chubbello_19 (P1), Donovan_19 (P1), Dynamo_19 (P1), Etoile_19 (P1), FirstPlacePfu_19 (P1), Fishburne_19 (P1), GaloreK_19 (P1), Gavriela_19 (P1), Glaske_19 (P1), HUHilltop_19 (P1), Jebeks_19 (P1), Jung_19 (P1), Juniormint_19 (P1), Kari_19 (P1), KilKor_19 (P1), Ksquared_19 (P1), Langerak_19 (P1), Majeke_19 (P1), Malithi_19 (P1), Mangethe_19 (P1), Megiddo_19 (P1), Nazo_18 (P4), Necropolis_19 (P1), PeanutPie_19 (P1), Phalm_19 (P1), Phayonce_18 (P5), Phegasus_19 (P1), Phineas_19 (P1), Polkaroo_19 (P1), Purky_18 (P6), Pygmy_18 (P1), Shipwreck_18 (P1), Sonah_19 (P1), StevieRay_19 (P1), StressBall_19 (P1), Techage_19 (P1), Thespis_19 (P1), ThulaThula_18 (P5), Tortellini_18 (P2), Venti_19 (P1), Vidya_19 (P1), Willsammy_19 (P1), Xavia_19 (P3), Zilizebeth_19 (P1),

Start 81:

- Found in 8 of 1014 (0.8%) of genes in pham
- Manual Annotations of this start: 2 of 898
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Applejacks_18 (CD), BabyMoney_21 (DT), Manilisa_23 (DT), Nyceirae_23 (DT), Phishy_22 (DT), Vordorf_22 (DT),

Start 82:

- Found in 4 of 1014 (0.4%) of genes in pham
- Manual Annotations of this start: 4 of 898
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BlueNGold_100 (DS), Boopy_101 (DS), Forza_101 (DS), Mareelih_99 (DS),

Start 83:

- Found in 246 of 1014 (24.3%) of genes in pham
- Manual Annotations of this start: 222 of 898
- Called 99.2% of time when present
- Phage (with cluster) where this start called: Akhila_17 (F1), Alexphander_18 (F1), Aloeri_17 (F1), AlpineSix_16 (F1), ArcusAngelus_16 (F1), Ardmore_16 (F1), Aubs_16 (F1), Awesomesauce_17 (F1), Batiatus_16 (F1), Beakin_17 (F1), Beanstalk_18 (F1), BigPhil_17 (F1), Bipolar_16 (F1), Blexus_16 (F1), BlueCrab_16 (F1), BobaPhett_16 (F1), Bobi_18 (F1), BodEinwohner17_16 (F1), Boomer_17 (F1), Brocalys_16 (F1), Brookers_17 (F1), Brushbloom_17 (F1), Bubbles123_17 (F1), Burwell21_16 (F1), BuzzLyseyear_18 (F1), ByChance_16 (F1), Byougenkin_16 (F1), Cabrinians_16 (F1), CaptainTrips_17 (F1), Cerasum_17 (F1), Che8_16 (F1), Chevrolet_16 (F1), ChickenDinner_17 (F1), Chuckly_16 (F1), Clank_16 (F), Clifton_16 (F1), Coco12_18 (F1), Corium_16 (F1), Cornucopia_17 (F1), Crumble_16 (F1), DLane_16 (F1), DRBy19_16 (F1), DaWorst_18 (F1), DaddyRickover_16 (F1), Daenerys_16 (F1), Dante_16 (F1), DeadP_16 (F1), Deb65_16 (F1), DillTech15_16 (F1), DoRead_16 (F1), DocMcStuffins_17 (F1), Donkeykong_16 (F1), Doomphist_16 (F1), Doomslug_18 (F), Dorothy_16 (F1), DosHalletts_17 (F1), DotProduct_16 (F1), Doug_17 (F1), Drago_17 (F1), Eish_16 (F1), EleanorGeorge_16 (F1), EmiMonkey_16 (F1), Emma_16 (F1), Emmaloid_17 (F1), Empress_17 (F1), Enby_17 (F1), Eradicator_16 (F1), Estave1_16 (F1), Fancypants_16 (F1), Fastidio_16 (F1), Filuzino_16 (F1), Firehouse51_17 (F1), Flathead_17 (F1), Florinda_16 (F1), Frankie_17 (F1), FreddyB_16 (F1), Fruitloop_16 (F1), GUmbie_16 (F1), Galactic_16 (F1), Gandolph_16 (F1), Geralt_16 (F1), GigiOuiOui_16 (F1), Girafales_17 (F1), Girr_16 (F1), Gorge_16 (F1), Grimmer_17 (F1), Hades_16 (F1), Hamulus_16 (F1), Harley_16 (F1), Hegedechwinu_17 (F1), Hlubikazi_16 (F1), IMpilo_16 (F1), IbOuu_16 (F1), Ibhubesi_16 (F1), Inventum_16 (F1), IrishSherpFalk_17 (F1), JalFarm20_18 (F1), James_16 (F1), Jant_16 (F1), Jarcob_16 (F1), Jennelsea_16 (F1), Jinglebell_15 (F1), Job42_19 (F1), JoeyJr_16 (F1), Juice456_18 (F1), Juniper1_16 (F1), Karhdo_16 (F1), Kenuha5_16 (F1), Kimberlium_18 (F1), KingJulian_16 (F1), KingMidās_17 (F1), Kingsley_17 (F1), Koella_16 (F1), Krakatau_17 (F1), KristaRAM_17 (F1), LastJedi_16 (F1), Latretium_17 (F1), Leozinho_17 (F1), Leperchaun_16 (F1), LilMoolah_16 (F1), LittleShirley_17 (F1), Lizziana_16 (F1), Llama_16 (F1), Llij_16 (F1), LordVader_18 (F), Lorde_17 (F1), Lucia_17 (F1), Madiba_17 (F1), Mahavrat_16 (F1), Mandlovu_16 (F1), Mantra_16 (F1), Maravista_16 (F1), Marker_17 (F1), Martik_16 (F1), Mattes_16 (F1), Medindi_16 (F1), Melissauren88_16 (F1), MilanaBonita_17 (F1), MilleniumForce_17 (F1), MinionDave_17 (F1), Minnie_17 (F1), Misha28_17 (F1), MisterCuddles_16 (F1), Modragons_16 (F1), Moonbeam_17 (F1), Mova_17 (F1), Mozy_17 (F1), Ms6_16 (F1), MulchExplorer_18 (F1), MulchSalad_16 (F), Mutaforma13_16 (F1), Mwanjiwa_16 (F1), Nichirin_16 (F1), Nimbo_16 (F1), Nivrat_16 (F1), NormanBulbieJr_16 (F1), Ochi17_16 (F1), OfUltron_16 (F1), Ogopogo_19 (F1), Okabe_18 (F8), Oksu_17 (F1), OldBen_16 (F1), OlympiaSaint_16 (F1), Ovechkin_16 (F1), OwlsT2W_18 (F1), PHappiness_16 (F1), PMC_16 (F1), Pacc40_16 (F1), PatoPoderoso_16 (F1), Peridot_18 (F1), Phalconet_16 (F1), Phanphagia_16 (F1),

Phasih_17 (F1), Phatniss_17 (F1), PhesterPhotato_16 (F1), Philus_16 (F1), PhilipPhlop_16 (F1), Piper2020_17 (F1), Pippy_16 (F1), Plumbus_17 (F1), Poenanya_16 (F1), Polka14_17 (F1), PopTart_16 (F1), Priscilla_16 (F1), QuickMath_17 (F1), Quico_17 (F1), Radiance_16 (F1), Ramsey_17 (F1), RedBird_16 (F1), Rialto_18 (F1), RitaG_16 (F1), Rita_16 (F1), Rockne_16 (F1), RockyHorror_17 (F1), Royals2015_16 (F1), Ruby_16 (F1), SG4_16 (F1), Saal_16 (F1), Sandalphon_17 (F1), Sassafras_16 (F1), SassyB_16 (F1), Scottish_17 (F1), Seabastian_16 (F1), Seagreen_17 (F1), Shauna1_16 (F1), ShiLan_16 (F1), ShowerHandel_16 (F1), ShroomBoi_16 (F1), SiSi_16 (F1), SimranZ1_17 (F1), Slim_17 (F1), Sparkdehlily_16 (F1), Spikelee_17 (F1), Spoonbill_16 (F1), Squirty_17 (F3), StAnnes_16 (F1), Stap_17 (F1), Starceovich_17 (F1), Strokeseat_16 (F1), SuperGrey_17 (F1), SwagPigglett_16 (F1), TDanisky_16 (F1), Taj_16 (F1), Tchotchke_17 (F1), TootsiePop_17 (F1), Tootsieroll_17 (F1), Topiatin_18 (F1), Totinger_17 (F1), Tweety_16 (F1), UncleRicky_17 (F1), VRedHorse_16 (F1), Velveteen_17 (F1), Veteran_16 (F1), Violac_17 (F1), Vivum_16 (F1), Wachhund_16 (F1), Wee_17 (F1), Whatsapiecost_16 (F1), Whouxphf_16 (F1), WillSterrel_17 (F1), XFactor_16 (F1), Yorick_16 (F1), Zerg_16 (F1), Zizzle_16 (F1),

Start 84:

- Found in 42 of 1014 (4.1%) of genes in pham
- Manual Annotations of this start: 30 of 898
- Called 90.5% of time when present
- Phage (with cluster) where this start called: Ariel_34 (J), BAKA_34 (J), Bobby_38 (J), Bombitas_33 (J), BronnyJames_28 (J), Constella_31 (J), Courthouse_34 (J), DmpstrDiver_35 (J), Dove_34 (J), Ejimix_37 (J), Gonephishing_32 (J), Hannaconda_31 (J), Hidrated_39 (J), Hughesyang_35 (J), Kalah2_37 (J), KashFlow_28 (J), Kiko_20 (DB), Klein_37 (J), LittleE_37 (J), Lucky2013_34 (J), Marleymoo_41 (J), MiaZeal_34 (J), Minerva_37 (J), Nekros_34 (J), Odette_36 (J), Omega_36 (J), Optimus_35 (J), Phoebus_36 (J), Porcelain_33 (J), Rearden_31 (J), Redno2_35 (J), Schatzie_34 (J), Shaboozey_28 (J), Squint_33 (J), Thibault_33 (J), ThreeRngTarjay_35 (J), Wanda_37 (J), Zelink_38 (J),

Start 85:

- Found in 18 of 1014 (1.8%) of genes in pham
- Manual Annotations of this start: 14 of 898
- Called 94.4% of time when present
- Phage (with cluster) where this start called: DearBasketball_21 (DY), DinoNuggs_19 (DY), DonkeyMan_18 (DY), GMA2_30 (DS), Gustav_18 (CD), Heinz_18 (DY), Hibiscus_18 (DY), Jojo24_18 (DY), Mahdia_18 (CD), Nitzel_17 (F1), Puppies_18 (CD), Reyja_19 (DY), Santhid_18 (DY), Tarzan_18 (DY), Trine_18 (CD), Upyo_18 (CD), Widow_18 (CD),

Start 86:

- Found in 52 of 1014 (5.1%) of genes in pham
- Manual Annotations of this start: 47 of 898
- Called 98.1% of time when present
- Phage (with cluster) where this start called: Aggie_18 (N), Andies_18 (N), BabeRuth_18 (N), Bosection6_18 (N), Butters_18 (N), Carcharodon_18 (N), Charlie_18 (N), Chewbacca_18 (N), Cubone_18 (N), Duplicity_18 (N), EGUnicorn_18 (N), Fulbright_18 (N), Gex_18 (N), Hanako_18 (N), Impisi_19 (N), Jamie19_18 (N), Journey_18 (N), Kevin1_18 (N), Magsby_18 (N), Malibo_20 (DW), Melville_18 (N), MichelleMyBell_18 (N), Nenae_18 (N), Panchino_18 (N), Parmesanjohn_18 (N), PhancyPhin_18 (N), Philonius_18 (N), Phloss_18 (N), Phrann_18 (N), Pipsqueaks_18

(N), Purgamenstris_18 (N), Raymond7_18 (N), Rebel_18 (N), Redi_18 (N), Rubeelu_18 (N), Schnauzer_18 (N), Scitech_18 (N), ShrimpFriedEgg_18 (N), Shweta_18 (N), Silvafighter_18 (N), Silvy_18 (N), SkinnyPete_18 (N), Smurph_18 (N), Snekmaggon_18 (N), Spinach_18 (N), SpongeBob_18 (N), Tapioca_18 (N), Tessdabest_17 (N), Tortoise12_18 (N), Xeno_18 (N), Xerxes_18 (N),

Start 87:

- Found in 146 of 1014 (14.4%) of genes in pham
- Manual Annotations of this start: 85 of 898
- Called 58.2% of time when present
- Phage (with cluster) where this start called: 244_26 (E), ABCat_23 (E), Adnama_27 (E), Amao_24 (E), AmericanBeauty_26 (E), Argent26_26 (E), BaboJay_23 (E), BadStone_23 (E), Balomoji_23 (E), BigBubba_25 (E), Brewer_24 (E), Buck_23 (E), Budgie_26 (E), Cactus_25 (E), ChosenOne_23 (E), Command613_25 (E), Contagion_23 (E), Cookies_24 (E), CrystalP_24 (E), Czyszczone1_25 (E), DrDrey_25 (E), Dusk_23 (E), Elite2014_23 (E), Elph10_25 (E), Eureka_24 (E), FairyPath_24 (E), Filch_25 (E), Gator_22 (E), Gemini_27 (E), Goku_24 (E), GoldenSpark_26 (E), Goldilocks_25 (E), GooberAzure_26 (E), HanKaySha_25 (E), Highbury_25 (E), Holt_25 (E), Hoonter_26 (E), Kanye_26 (E), Kimchi_26 (E), Kostya_24 (E), Lilac_26 (E), Lilizi_26 (E), Lilpickle_23 (E), MISSy_23 (E), MPhalcon_23 (E), MadamMonkfish_24 (E), Manda_25 (E), Miniwave_24 (E), Misfit_24 (E), Moldemort_25 (E), MooMoo_16 (singleton), Myrale_24 (E), Nimrod_24 (E), NoSleep_25 (E), NonchalantPear_24 (E), OrionPax_25 (E), Paperbeatsrock_26 (E), Pat3_23 (E), Pharsalus_25 (E), PhatBacter_24 (E), Phaux_23 (E), Phrux_24 (E), Qualification_25 (E), Rimmer_23 (E), Saints25_25 (E), ShamWow_24 (E), ShereKhan_26 (E), Simpliphy_25 (E), SirDuracell_23 (E), SophKB_24 (E), Sotrice96_24 (E), Stark_25 (E), StellaBean_24 (E), StolenFromERC_26 (E), Tarkin_26 (E), TeardropMSU_23 (E), Teaspoon_25 (E), Terminus_24 (E), Thimble_24 (E), Thresher_25 (E), Tomaszewski_23 (E), Traaww1_22 (E), Tuco_25 (E), Ukulele_24 (E), Wiggin_27 (E),

Start 88:

- Found in 12 of 1014 (1.2%) of genes in pham
- Manual Annotations of this start: 5 of 898
- Called 41.7% of time when present
- Phage (with cluster) where this start called: Dogfish_21 (DT), Ewald_22 (DT), Lilbeanie_30 (DE5), LunaStella_18 (F4), Meyran_21 (DT),

Start 89:

- Found in 8 of 1014 (0.8%) of genes in pham
- Manual Annotations of this start: 6 of 898
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Babsiella_19 (I1), Bluvara_19 (I3), Brujita_19 (I1), HC_19 (I1), Island3_19 (I1), PaintedDog_18 (I1), QueenHazel_19 (I1), Xula_18 (I1),

Start 90:

- Found in 23 of 1014 (2.3%) of genes in pham
- Manual Annotations of this start: 22 of 898
- Called 100.0% of time when present
- Phage (with cluster) where this start called: APunk_36 (DE4), Abblin_35 (DE4), Ali17_31 (DE2), Belphegor_33 (DE2), BigHunkinEater_38 (DE4), Delrey21_34 (DE4), DoctorFroggo_34 (DE4), EMoore_31 (DE2), Hans_35 (DE2), Inspectinfecti_34 (DE2),

Leonard_33 (DE2), MelBins_34 (DE2), Natkenzie_35 (DE4), Phauci_26 (DE2), Phinally_33 (DE2), Pumpkiney_36 (DE4), Sampson_35 (DE4), Scioto_35 (DE4), Tardus_36 (DE4), Verity_34 (DE4), ViaConlectus_35 (DE4), Zipp_34 (DE4), Zitch_36 (DE4),

Start 91:

- Found in 47 of 1014 (4.6%) of genes in pham
- Manual Annotations of this start: 39 of 898
- Called 91.5% of time when present
- Phage (with cluster) where this start called: Arti_41 (CR2), Bonum_44 (CR2), Buggaboo_42 (CR2), Commandaria_43 (CR2), Dalilpop_46 (CR1), Emianna_41 (CR2), Ennea_47 (CR3), Flapper_45 (CR1), Float294_43 (CR3), Foxboro_42 (CR2), Fury_50 (CR5), GRU1_31 (CR1), GTE5_32 (CR1), GTE8_30 (CR2), GrootJr_43 (CR2), HomeFry_47 (CR5), HubbaBubba_39 (CR4), IDyn_42 (CR4), Jifall16_40 (CR2), Kabluna_44 (CR2), KidneyBean_41 (CR2), Kurt_41 (CR2), Lollipop1437_46 (CR3), MerCougar_42 (CR2), NadineRae_41 (CR4), NatB6_41 (CR2), NosilaM_44 (CR2), NovumRegina_41 (CR2), Outis_42 (CR2), Patio_44 (CR3), Phomeo_40 (CR2), Pleakley_50 (CR5), RedRaider_48 (CR3), Scuba_50 (CR5), Skysand_43 (CR3), StarStruck_42 (CR2), Sukkupi_43 (CR4), SuperSulley_42 (CR2), Tracker_41 (CR2), Turuncu_45 (CR1), Wheezy_41 (CR2), WhoseManz_43 (CR4), Yndexa_43 (CR4),

Start 92:

- Found in 18 of 1014 (1.8%) of genes in pham
- Manual Annotations of this start: 11 of 898
- Called 72.2% of time when present
- Phage (with cluster) where this start called: Chickadee_32 (DE3), Dexdert_33 (DE3), EdmundFerry_31 (DE3), GTE6_32 (DE3), GodonK_89 (DK), Kwekel_32 (DE3), Morrissey_19 (CD), Phendrix_87 (DK), REQ2_20 (singleton), RoadKill_30 (DE3), Tiamoceli_33 (DE3), Twonlo_30 (DE3), Whack_18 (singleton),

Start 93:

- Found in 58 of 1014 (5.7%) of genes in pham
- Manual Annotations of this start: 51 of 898
- Called 93.1% of time when present
- Phage (with cluster) where this start called: Archimedes_16 (DA), Archis_20 (CV), Ayotoya_22 (DI), Azula_21 (CV), Barco_19 (CV), Begonia_20 (CV), BlingBling_19 (CV), Blino_19 (CV), Blueberry_21 (CV), CaptainKirk2_19 (CV), CarolAnn_19 (CV), CheeseSpider_22 (CV), Chop_22 (DI), Delian_19 (CV), Fairfaxidum_19 (CV), Ferry_18 (CV), Frizzle_16 (DA), Frokostdame_19 (CV), Gambino_21 (CV), Ghobes_16 (DA), GrandSlam_22 (DI), Guacamole_19 (CV), Hamood_22 (DI), Hitter_19 (CV), Jalammah_21 (CV), JasperJr_19 (CV), JuJu_19 (CV), KappaFarmDelta_19 (CV), Lysidious_20 (CV), Malachai_20 (CV), Melba_19 (CV), Mellie_18 (CV), MintFen_19 (CV), MissRona_21 (CV), Murp_19 (CV), Obliviate_18 (CV), PCoral7_19 (CV), Petra_21 (CV), PhrostedPhlake_20 (CV), Pipp_19 (CV), PrincePatrick_19 (CV), Samba_19 (CV), Sapo_16 (DA), Soilmate_19 (CV), Toast_19 (CV), UmaThurman_19 (CV), Utz_19 (CV), Walrus_20 (CV), William_19 (CV), Wisp_18 (CV), Wocket_20 (CV), Zarbodnamra_19 (CV), ZiggyZoo_18 (CV), Zilla_19 (CV),

Start 94:

- Found in 3 of 1014 (0.3%) of genes in pham
- No Manual Annotations of this start.

- Called 66.7% of time when present
- Phage (with cluster) where this start called: Gallia_42 (singleton), P1201_47 (singleton),

Start 96:

- Found in 2 of 1014 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 898
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Sleepyhead_18 (singleton),

Start 97:

- Found in 10 of 1014 (1.0%) of genes in pham
- Manual Annotations of this start: 8 of 898
- Called 80.0% of time when present
- Phage (with cluster) where this start called: C3PO_31 (EN), Cruella_31 (EN), Darwin_34 (EN), Kimchi1738_31 (EN), PeteyPab_33 (EN), PotatoChip_34 (EN), Stickynote_33 (EN), Zion_34 (EN),

Start 98:

- Found in 6 of 1014 (0.6%) of genes in pham
- Manual Annotations of this start: 1 of 898
- Called 16.7% of time when present
- Phage (with cluster) where this start called: ChewyVIII_56 (singleton),

Start 99:

- Found in 97 of 1014 (9.6%) of genes in pham
- Manual Annotations of this start: 65 of 898
- Called 73.2% of time when present
- Phage (with cluster) where this start called: Adora_20 (CZ4), Agueybana_19 (CZ1), AlumE_19 (CZ1), Annalisa_20 (CZ4), Antonio_19 (CZ1), Apiary_45 (CR6), BatStarr_19 (CZ1), BaxterFox_18 (CZ3), Beenie_20 (CZ4), BiPauneto_44 (CR4), Bialota_19 (CZ1), Bosnia_19 (CZ1), BoyNamedSue_19 (CZ1), Braxoaddie_45 (CR6), Bunnybear_18 (CZ), Clark_20 (CZ4), CoffeeBean_45 (CR6), DobbysSock_19 (CZ4), Dolores_20 (CZ4), Dorito_19 (CZ4), Easley_20 (CZ4), Eudoria_19 (CZ1), Eviarto_19 (CZ1), Gagieri_45 (CR6), Herod_19 (CZ1), Hortense_20 (CZ4), Howe_20 (CZ4), Hugley_19 (CZ1), Hyzer_19 (CZ1), Invecetra_20 (CZ4), Kita_19 (CZ1), MacGully_50 (CR7), Madavieve_19 (CZ1), Madeline_19 (CZ1), Manasvini_19 (CZ1), Maridalia_18 (CZ1), Maselop_45 (CR6), Mbo4_17 (singleton), Mcklovin_20 (CZ4), MichaelScott_20 (CZ4), Neobush_19 (CZ1), Nymphadora_19 (CZ1), Ohgeesy_19 (CZ), Oregano_20 (CZ4), PantheRoc_19 (CZ3), Pemberton_45 (CR4), PhriskyACE_19 (CZ4), Polly_19 (CZ1), Polyyuki_45 (CR6), Powerball_19 (CZ4), Rizz_23 (CZ4), Samman98_20 (CZ4), Sekhmet_20 (CZ4), Shlim410_20 (CZ4), Sidious_19 (CZ7), Suerte_18 (CZ4), Suscepit_19 (CZ1), SushiChef_20 (CZ), Tayonia_19 (CZ1), ThankyouJordi_18 (CZ1), Thimann_20 (CZ4), TimTam_19 (CZ1), TinyDot_19 (singleton), Trumpet_19 (CZ1), Tuti_20 (CZ4), Twinkle_20 (CZ4), WelcomeAyanna_18 (CZ1), WinkNick_20 (CZ4), Yeezy_20 (CZ3), Zameen_19 (CZ1), Zirinka_19 (CZ1),

Start 100:

- Found in 45 of 1014 (4.4%) of genes in pham
- Manual Annotations of this start: 33 of 898
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Attis_17 (CZ2), Bjaness7_17 (CZ2), Clap_17 (CZ2), Cynthia_17 (CZ2), Denise_17 (CZ5), Ebert_17 (CZ2), EdnaMode_17

(CZ2), Eyre_17 (singleton), Faith5x5_17 (CZ6), FroggyToad_17 (CZ2), GemG_17 (CZ2), Gizermo_17 (CZ2), Gudmit_18 (singleton), Haley23_17 (CZ2), JCole_17 (CZ2), Jalleen_18 (CZ2), Lamberg_17 (CZ2), LordFarquaad_17 (CZ2), Lton_17 (CZ), Matteo_17 (CZ2), Mocha12_17 (CZ2), Moosehead_17 (CZ6), Nettuno_17 (CZ2), OneDirection_17 (CZ6), Pepperoni_17 (CZ), Pickett_17 (CZ2), RavenCo17_17 (CZ8), Sahara_17 (CZ2), Savage_17 (CZ2), SoilAssassin_17 (CZ2), Sproutie_17 (CZ2), TuertoX_17 (CZ2), Vasanti_17 (CZ2), Whiteclaw_17 (CZ2), Yeet412_17 (CZ2), Yinzer_17 (CZ2),

Start 109:

- Found in 2 of 1014 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 898
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Finkle_19 (singleton), GMA1_19 (singleton),

Start 117:

- Found in 30 of 1014 (3.0%) of genes in pham
- Manual Annotations of this start: 1 of 898
- Called 3.3% of time when present
- Phage (with cluster) where this start called: Marietta_43 (CR4),

Start 131:

- Found in 1 of 1014 (0.1%) of genes in pham
- Manual Annotations of this start: 1 of 898
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jace_17 (singleton),

Start 132:

- Found in 184 of 1014 (18.1%) of genes in pham
- Manual Annotations of this start: 48 of 898
- Called 33.7% of time when present
- Phage (with cluster) where this start called: Asriel_23 (E), Barbarian_23 (E), Bask21_24 (E), Becksu_24 (E), Bench_26 (E), BilboSwaggins_24 (E), Bogg_24 (E), Bruin_24 (E), BugsBunny_22 (E), ChotaBhai_24 (E), Daikon_22 (E), DoctorDiddles_24 (E), Dumbo_24 (E), Easy2Say_26 (E), Emmina_25 (E), FireRed_24 (E), Flypotenuse_22 (E), FoghornLeghorn_23 (E), Gage_26 (E), Glexan_22 (E), Greep_25 (E), Harella_23 (E), Henry_24 (E), Hopey_26 (E), HufflyPuff_23 (E), IHOP_24 (E), Icee_23 (E), Inca_23 (E), JeTaimie_26 (E), Liveloughbron_24 (E), Marshmallow_24 (E), Maxxinista_25 (E), Mindy_24 (E), MollyToe_24 (E), Mosby_23 (E), Murica_23 (E), Murphy_25 (E), Nala_24 (E), NelitzaMV_24 (E), Nibley_29 (J), PaddyBaddy_25 (E), Palpatine_24 (E), Petra64142_26 (E), Phaja_24 (E), Policronamos_24 (E), Porky_24 (E), Ptowny_24 (E), Pumpkin_26 (E), Rakim_25 (E), RiverMonster_24 (E), Sassay_23 (E), Stank_27 (E), StormChicken_24 (E), Superphikiman_34 (J), TBrady12_26 (E), TeamEdward_24 (E), Toto_24 (E), Willez_23 (E), Xandras_26 (E), YassJohnny_25 (E), Youngblood_24 (E), xkcd_25 (E),

Start 135:

- Found in 41 of 1014 (4.0%) of genes in pham
- No Manual Annotations of this start.
- Called 2.4% of time when present
- Phage (with cluster) where this start called: GTE2_16 (CT),

Start 144:

- Found in 59 of 1014 (5.8%) of genes in pham
- No Manual Annotations of this start.
- Called 1.7% of time when present
- Phage (with cluster) where this start called: GMA4_18 (singleton),

Start 158:

- Found in 298 of 1014 (29.4%) of genes in pham
- Manual Annotations of this start: 2 of 898
- Called 0.7% of time when present
- Phage (with cluster) where this start called: DirtMcgirt_17 (F1), Sarma624_17 (F1),

Start 167:

- Found in 157 of 1014 (15.5%) of genes in pham
- Manual Annotations of this start: 1 of 898
- Called 0.6% of time when present
- Phage (with cluster) where this start called: Cjw1_24 (E),

Start 179:

- Found in 42 of 1014 (4.1%) of genes in pham
- Manual Annotations of this start: 11 of 898
- Called 28.6% of time when present
- Phage (with cluster) where this start called: Banquo_26 (CU1), Catfish_22 (CU5), Dardanus_24 (CU3), DinoDaryn_24 (CU1), Goib_23 (CU1), Gsput1_20 (CU2), Huffy_24 (CU1), Schmidt_20 (CU4), Splinter_22 (CU1), TZGordon_24 (CU1), TinaLin_25 (CU1), Vendetta_22 (CU1),

Summary by clusters:

There are 74 clusters represented in this pham: DN, CY3, singleton, DK, DH, DI, CZ2, CZ3, DD, CZ1, CZ6, DL, CZ4, DA, EN, CZ8, DY, DW, DT, CY2, CZ5, DS, UNK, CU5, CU4, CU3, CY5, CU1, I1, I3, F, F7, EP, DN4, CZ7, AJ, CQ2, CQ1, P5, P2, P3, CY1, P1, E, CY6, P4, CR3, AH, DB, J, O, CD, CZ, F3, CU2, F4, N, CV, CT, CR2, F1, CR1, CR6, CR7, CR4, CR5, F8, DE2, DE3, DE4, DE5, CY4, CY7, P6,

Info for manual annotations of cluster AJ:

- Start number 48 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster CD:

- Start number 85 was manually annotated 6 times for cluster CD.
- Start number 92 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster CQ1:

- Start number 74 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:

- Start number 74 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CR1:

- Start number 91 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 91 was manually annotated 21 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 91 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 91 was manually annotated 6 times for cluster CR4.
- Start number 99 was manually annotated 1 time for cluster CR4.
- Start number 117 was manually annotated 1 time for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 91 was manually annotated 3 times for cluster CR5.

Info for manual annotations of cluster CR6:

- Start number 99 was manually annotated 6 times for cluster CR6.

Info for manual annotations of cluster CR7:

- Start number 99 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster CT:

- Start number 73 was manually annotated 8 times for cluster CT.
- Start number 77 was manually annotated 39 times for cluster CT.

Info for manual annotations of cluster CU1:

- Start number 179 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:

- Start number 179 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:

- Start number 179 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:

- Start number 179 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:

- Start number 93 was manually annotated 43 times for cluster CV.

Info for manual annotations of cluster CY1:

- Start number 51 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 44 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:

- Start number 51 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:

- Start number 51 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:

- Start number 51 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:

- Start number 51 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:

- Start number 51 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster CZ:

- Start number 99 was manually annotated 2 times for cluster CZ.
- Start number 100 was manually annotated 2 times for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 99 was manually annotated 26 times for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 100 was manually annotated 24 times for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 99 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:

- Start number 99 was manually annotated 24 times for cluster CZ4.

Info for manual annotations of cluster CZ5:

- Start number 100 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 100 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster CZ7:

- Start number 99 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster CZ8:

- Start number 100 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DA:

- Start number 93 was manually annotated 4 times for cluster DA.

Info for manual annotations of cluster DB:

- Start number 84 was manually annotated 1 time for cluster DB.

Info for manual annotations of cluster DD:

- Start number 69 was manually annotated 2 times for cluster DD.

Info for manual annotations of cluster DE2:

- Start number 90 was manually annotated 9 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 92 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 90 was manually annotated 13 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 88 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DH:

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

Info for manual annotations of cluster DI:

- Start number 93 was manually annotated 4 times for cluster DI.

Info for manual annotations of cluster DK:

- Start number 92 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DL:

- Start number 73 was manually annotated 1 time for cluster DL.
- Start number 75 was manually annotated 5 times for cluster DL.

Info for manual annotations of cluster DN:

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

Info for manual annotations of cluster DN4:

- Start number 51 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DS:

- Start number 60 was manually annotated 1 time for cluster DS.
- Start number 82 was manually annotated 4 times for cluster DS.

Info for manual annotations of cluster DT:

- Start number 81 was manually annotated 2 times for cluster DT.
- Start number 88 was manually annotated 3 times for cluster DT.

Info for manual annotations of cluster DW:

- Start number 86 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DY:

- Start number 85 was manually annotated 7 times for cluster DY.

Info for manual annotations of cluster E:

- Start number 87 was manually annotated 84 times for cluster E.
- Start number 132 was manually annotated 47 times for cluster E.
- Start number 167 was manually annotated 1 time for cluster E.

Info for manual annotations of cluster EN:

- Start number 97 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster EP:

- Start number 50 was manually annotated 4 times for cluster EP.

Info for manual annotations of cluster F1:

- Start number 83 was manually annotated 221 times for cluster F1.
- Start number 85 was manually annotated 1 time for cluster F1.
- Start number 158 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster F3:

- Start number 83 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:

- Start number 72 was manually annotated 1 time for cluster F4.
- Start number 88 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster I1:

- Start number 89 was manually annotated 6 times for cluster I1.

Info for manual annotations of cluster J:

- Start number 84 was manually annotated 29 times for cluster J.
- Start number 132 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster N:

- Start number 86 was manually annotated 46 times for cluster N.

Info for manual annotations of cluster O:

- Start number 63 was manually annotated 2 times for cluster O.
- Start number 67 was manually annotated 29 times for cluster O.

Info for manual annotations of cluster P1:

- Start number 65 was manually annotated 2 times for cluster P1.
- Start number 80 was manually annotated 41 times for cluster P1.

Info for manual annotations of cluster P2:

- Start number 80 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:

- Start number 80 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:

- Start number 80 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:

- Start number 80 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:

- Start number 80 was manually annotated 1 time for cluster P6.

Gene Information:

Gene: 244_26 Start: 20026, Stop: 21705, Start Num: 87

Candidate Starts for 244_26:

(Start: 87 @20026 has 85 MA's), (Start: 132 @20110 has 48 MA's), (Start: 167 @20188 has 1 MA's),
(195, 20275), (201, 20290), (215, 20338), (229, 20377), (261, 20464), (274, 20497), (287, 20533),

(295, 20563), (297, 20569), (321, 20638), (348, 20668), (351, 20680), (353, 20683), (374, 20740), (424, 20872), (426, 20878), (449, 20944), (451, 20950), (456, 20974), (471, 21022), (479, 21046), (481, 21055), (502, 21130), (532, 21181), (536, 21196), (578, 21358), (583, 21385), (592, 21415), (620, 21520), (650, 21598), (657, 21634), (660, 21643), (667, 21676), (673, 21691),

Gene: ABCat_23 Start: 19745, Stop: 21424, Start Num: 87

Candidate Starts for ABCat_23:

(Start: 87 @19745 has 85 MA's), (Start: 132 @19829 has 48 MA's), (Start: 167 @19907 has 1 MA's), (195, 19994), (201, 20009), (215, 20057), (229, 20096), (261, 20183), (274, 20216), (287, 20252), (295, 20282), (297, 20288), (321, 20357), (348, 20387), (351, 20399), (353, 20402), (374, 20459), (424, 20591), (426, 20597), (449, 20663), (451, 20669), (456, 20693), (471, 20741), (479, 20765), (481, 20774), (502, 20849), (532, 20900), (536, 20915), (578, 21077), (583, 21104), (592, 21134), (620, 21239), (650, 21317), (657, 21353), (660, 21362), (667, 21395), (673, 21410),

Gene: APunk_36 Start: 30211, Stop: 31833, Start Num: 90

Candidate Starts for APunk_36:

(Start: 60 @30154 has 1 MA's), (Start: 90 @30211 has 22 MA's), (106, 30232), (113, 30244), (137, 30295), (156, 30334), (163, 30358), (190, 30430), (222, 30517), (247, 30568), (254, 30598), (284, 30679), (292, 30706), (354, 30805), (366, 30835), (370, 30844), (381, 30877), (382, 30880), (398, 30940), (423, 30988), (426, 30997), (457, 31096), (473, 31135), (478, 31147), (513, 31291), (519, 31315), (534, 31342), (559, 31402), (560, 31405), (566, 31432), (570, 31447), (582, 31504), (584, 31516), (597, 31564), (600, 31573), (601, 31579), (609, 31600), (620, 31633), (635, 31678), (650, 31729), (667, 31807), (669, 31816),

Gene: Abblin_35 Start: 30754, Stop: 32376, Start Num: 90

Candidate Starts for Abblin_35:

(Start: 90 @30754 has 22 MA's), (106, 30775), (113, 30787), (137, 30838), (163, 30901), (190, 30973), (222, 31060), (247, 31111), (254, 31141), (284, 31222), (292, 31249), (354, 31348), (366, 31378), (370, 31387), (381, 31420), (382, 31423), (383, 31426), (386, 31435), (398, 31483), (423, 31531), (426, 31540), (457, 31639), (473, 31678), (478, 31690), (508, 31807), (515, 31846), (534, 31885), (558, 31942), (568, 31981), (570, 31990), (582, 32047), (584, 32059), (600, 32116), (601, 32122), (609, 32143), (620, 32176), (635, 32221), (667, 32350), (669, 32359),

Gene: Abscondus_47 Start: 29340, Stop: 31031, Start Num: 74

Candidate Starts for Abscondus_47:

(Start: 74 @29340 has 17 MA's), (110, 29400), (129, 29433), (138, 29463), (139, 29466), (201, 29625), (204, 29634), (255, 29763), (272, 29811), (374, 30024), (376, 30030), (385, 30054), (433, 30183), (443, 30204), (451, 30237), (502, 30435), (560, 30588), (583, 30687), (586, 30699), (589, 30708), (614, 30792), (658, 30939), (666, 30975),

Gene: Adelaide_17 Start: 16318, Stop: 18015, Start Num: 50

Candidate Starts for Adelaide_17:

(Start: 50 @16318 has 4 MA's), (57, 16339), (102, 16423), (119, 16450), (120, 16456), (188, 16588), (208, 16639), (220, 16672), (229, 16696), (274, 16816), (286, 16849), (291, 16867), (313, 16921), (353, 16966), (374, 17023), (379, 17035), (391, 17074), (413, 17134), (424, 17155), (427, 17164), (445, 17221), (473, 17311), (505, 17419), (517, 17473), (519, 17479), (526, 17497), (563, 17593), (569, 17614), (579, 17659), (622, 17818), (627, 17833), (632, 17848), (635, 17860), (673, 18004),

Gene: Adnama_27 Start: 20253, Stop: 21932, Start Num: 87

Candidate Starts for Adnama_27:

(Start: 87 @20253 has 85 MA's), (Start: 132 @20337 has 48 MA's), (Start: 167 @20415 has 1 MA's), (195, 20502), (201, 20517), (215, 20565), (229, 20604), (261, 20691), (274, 20724), (287, 20760), (295, 20790), (297, 20796), (321, 20865), (348, 20895), (351, 20907), (353, 20910), (374, 20967),

(424, 21099), (426, 21105), (449, 21171), (451, 21177), (456, 21201), (471, 21249), (479, 21273), (481, 21282), (502, 21357), (532, 21408), (536, 21423), (578, 21585), (583, 21612), (592, 21642), (620, 21747), (650, 21825), (657, 21861), (660, 21870), (667, 21903), (673, 21918),

Gene: Adora_20 Start: 17855, Stop: 19435, Start Num: 99

Candidate Starts for Adora_20:

(46, 17738), (Start: 99 @17855 has 65 MA's), (214, 18113), (221, 18134), (246, 18188), (257, 18227), (275, 18284), (283, 18305), (381, 18476), (387, 18494), (394, 18518), (398, 18539), (423, 18581), (451, 18662), (484, 18752), (500, 18803), (512, 18854), (513, 18857), (534, 18911), (562, 19001), (635, 19280), (637, 19289), (645, 19319),

Gene: Agatha_18 Start: 15732, Stop: 17429, Start Num: 77

Candidate Starts for Agatha_18:

(Start: 73 @15729 has 9 MA's), (Start: 77 @15732 has 39 MA's), (178, 15942), (220, 16065), (243, 16116), (271, 16203), (283, 16233), (288, 16248), (291, 16260), (345, 16338), (349, 16350), (358, 16377), (370, 16410), (381, 16443), (385, 16455), (396, 16497), (443, 16620), (462, 16692), (485, 16770), (490, 16785), (497, 16803), (511, 16860), (550, 16953), (559, 16989), (561, 17001), (563, 17007), (566, 17019), (569, 17028), (585, 17100), (586, 17103), (588, 17109), (592, 17121), (608, 17181), (620, 17226), (623, 17235), (633, 17268), (652, 17334),

Gene: Aggie_18 Start: 14990, Stop: 16699, Start Num: 86

Candidate Starts for Aggie_18:

(Start: 86 @14990 has 47 MA's), (104, 15017), (Start: 158 @15122 has 2 MA's), (161, 15134), (171, 15170), (190, 15221), (199, 15251), (201, 15257), (209, 15284), (211, 15290), (254, 15410), (273, 15464), (276, 15470), (283, 15488), (287, 15500), (288, 15503), (294, 15524), (307, 15566), (319, 15599), (346, 15650), (350, 15665), (367, 15707), (373, 15722), (374, 15728), (390, 15776), (396, 15800), (406, 15830), (423, 15854), (445, 15914), (448, 15926), (464, 15980), (469, 15989), (486, 16049), (487, 16052), (529, 16157), (532, 16166), (543, 16205), (577, 16343), (615, 16493), (616, 16496), (619, 16505), (631, 16526), (638, 16553), (650, 16589), (673, 16682),

Gene: Agueybana_19 Start: 17777, Stop: 19375, Start Num: 99

Candidate Starts for Agueybana_19:

(Start: 99 @17777 has 65 MA's), (208, 18026), (214, 18035), (220, 18053), (221, 18056), (246, 18110), (269, 18185), (291, 18254), (294, 18263), (297, 18275), (314, 18326), (328, 18353), (333, 18362), (334, 18365), (381, 18398), (397, 18455), (423, 18521), (461, 18632), (473, 18656), (484, 18692), (512, 18794), (534, 18851), (562, 18941), (592, 19058), (624, 19181), (645, 19259),

Gene: AikoCarson_17 Start: 15037, Stop: 16731, Start Num: 77

Candidate Starts for AikoCarson_17:

(Start: 73 @15034 has 9 MA's), (Start: 77 @15037 has 39 MA's), (135, 15136), (138, 15148), (178, 15244), (206, 15328), (243, 15418), (261, 15478), (291, 15562), (307, 15607), (345, 15640), (349, 15652), (356, 15676), (381, 15745), (385, 15757), (443, 15922), (462, 15994), (485, 16072), (490, 16087), (497, 16105), (511, 16162), (561, 16303), (563, 16309), (566, 16321), (569, 16330), (585, 16402), (586, 16405), (588, 16411), (592, 16423), (620, 16528), (623, 16537), (633, 16570), (673, 16723),

Gene: Akhila_17 Start: 15476, Stop: 17185, Start Num: 83

Candidate Starts for Akhila_17:

(Start: 83 @15476 has 222 MA's), (134, 15563), (Start: 158 @15608 has 2 MA's), (165, 15632), (199, 15737), (201, 15743), (206, 15761), (215, 15791), (254, 15896), (276, 15956), (284, 15977), (287, 15986), (294, 16010), (346, 16136), (350, 16151), (353, 16157), (367, 16193), (368, 16196), (373, 16208), (374, 16214), (390, 16262), (394, 16274), (395, 16280), (423, 16340), (427, 16352), (443, 16388), (445, 16400), (469, 16475), (471, 16484), (478, 16502), (479, 16508), (487, 16538), (529,

16643), (532, 16652), (533, 16655), (538, 16676), (543, 16691), (560, 16757), (562, 16769), (585, 16868), (592, 16889), (600, 16922), (609, 16952), (616, 16982), (619, 16991), (621, 16997), (631, 17012), (632, 17015), (638, 17039), (648, 17069), (652, 17081), (657, 17111), (667, 17153),

Gene: Alexphander_18 Start: 15332, Stop: 17041, Start Num: 83

Candidate Starts for Alexphander_18:

(Start: 83 @15332 has 222 MA's), (134, 15419), (Start: 158 @15464 has 2 MA's), (165, 15488), (184, 15545), (199, 15593), (201, 15599), (206, 15617), (215, 15647), (254, 15752), (273, 15806), (276, 15812), (279, 15821), (287, 15842), (294, 15866), (305, 15902), (307, 15908), (319, 15941), (320, 15944), (322, 15953), (328, 15968), (331, 15974), (346, 15992), (350, 16007), (353, 16013), (359, 16031), (360, 16034), (367, 16049), (373, 16064), (374, 16070), (390, 16118), (394, 16130), (395, 16136), (423, 16196), (427, 16208), (443, 16244), (445, 16256), (469, 16331), (471, 16340), (478, 16358), (479, 16364), (487, 16394), (529, 16499), (533, 16511), (543, 16547), (562, 16625), (585, 16724), (592, 16745), (600, 16778), (609, 16808), (616, 16838), (619, 16847), (621, 16853), (631, 16868), (632, 16871), (638, 16895), (648, 16925), (652, 16937), (657, 16967), (667, 17009),

Gene: Ali17_31 Start: 28415, Stop: 30040, Start Num: 90

Candidate Starts for Ali17_31:

(Start: 90 @28415 has 22 MA's), (Start: 99 @28427 has 65 MA's), (118, 28460), (121, 28469), (128, 28481), (138, 28511), (186, 28628), (190, 28640), (220, 28715), (247, 28775), (254, 28805), (354, 29012), (366, 29042), (381, 29084), (382, 29087), (386, 29099), (398, 29147), (423, 29195), (448, 29267), (456, 29300), (457, 29303), (473, 29342), (484, 29381), (507, 29468), (508, 29471), (534, 29549), (570, 29654), (588, 29735), (602, 29789), (635, 29885), (667, 30014), (673, 30029),

Gene: Alkhayr_56 Start: 33189, Stop: 34925, Start Num: 67

Candidate Starts for Alkhayr_56:

(Start: 63 @33180 has 2 MA's), (Start: 67 @33189 has 29 MA's), (122, 33279), (170, 33396), (184, 33432), (191, 33453), (199, 33480), (201, 33486), (210, 33516), (217, 33540), (236, 33591), (287, 33729), (289, 33735), (304, 33786), (305, 33789), (311, 33807), (346, 33858), (353, 33879), (354, 33882), (373, 33930), (374, 33936), (390, 33984), (392, 33990), (394, 33996), (415, 34056), (423, 34080), (424, 34083), (443, 34128), (446, 34143), (448, 34152), (451, 34161), (464, 34206), (471, 34224), (481, 34257), (533, 34395), (538, 34416), (557, 34482), (563, 34512), (576, 34566), (585, 34608), (592, 34629), (596, 34650), (600, 34662), (606, 34683), (621, 34737), (650, 34815), (657, 34851), (662, 34872), (668, 34899),

Gene: Aloeri_17 Start: 14677, Stop: 16386, Start Num: 83

Candidate Starts for Aloeri_17:

(Start: 83 @14677 has 222 MA's), (134, 14764), (Start: 158 @14809 has 2 MA's), (165, 14833), (199, 14938), (201, 14944), (206, 14962), (209, 14971), (215, 14992), (254, 15097), (276, 15157), (279, 15166), (284, 15178), (287, 15187), (294, 15211), (305, 15247), (307, 15253), (311, 15265), (319, 15286), (320, 15289), (322, 15298), (328, 15313), (331, 15319), (346, 15337), (350, 15352), (353, 15358), (359, 15376), (360, 15379), (367, 15394), (373, 15409), (374, 15415), (390, 15463), (394, 15475), (395, 15481), (423, 15541), (427, 15553), (430, 15562), (443, 15589), (445, 15601), (469, 15676), (471, 15685), (478, 15703), (479, 15709), (487, 15739), (529, 15844), (532, 15853), (533, 15856), (543, 15892), (562, 15970), (585, 16069), (592, 16090), (600, 16123), (609, 16153), (616, 16183), (618, 16189), (619, 16192), (621, 16198), (631, 16213), (632, 16216), (637, 16237), (638, 16240), (652, 16282), (667, 16354), (668, 16360),

Gene: AlpineSix_16 Start: 15041, Stop: 16750, Start Num: 83

Candidate Starts for AlpineSix_16:

(Start: 83 @15041 has 222 MA's), (134, 15128), (143, 15149), (Start: 158 @15173 has 2 MA's), (165, 15197), (170, 15218), (199, 15302), (201, 15308), (206, 15326), (215, 15356), (254, 15461), (273, 15515), (276, 15521), (283, 15539), (284, 15542), (287, 15551), (294, 15575), (319, 15650), (322,

15662), (328, 15677), (331, 15683), (346, 15701), (350, 15716), (353, 15722), (362, 15749), (367, 15758), (373, 15773), (374, 15779), (390, 15827), (394, 15839), (395, 15845), (423, 15905), (427, 15917), (443, 15953), (445, 15965), (451, 15986), (469, 16040), (471, 16049), (478, 16067), (479, 16073), (487, 16103), (529, 16208), (532, 16217), (533, 16220), (543, 16256), (554, 16295), (562, 16334), (592, 16454), (600, 16487), (609, 16517), (616, 16547), (619, 16556), (621, 16562), (631, 16577), (632, 16580), (637, 16601), (638, 16604), (650, 16640), (652, 16646), (657, 16676), (667, 16718),

Gene: AlumE_19 Start: 17776, Stop: 19374, Start Num: 99

Candidate Starts for AlumE_19:

(Start: 99 @17776 has 65 MA's), (214, 18034), (220, 18052), (221, 18055), (246, 18109), (269, 18184), (291, 18253), (294, 18262), (297, 18274), (301, 18286), (314, 18325), (328, 18352), (333, 18361), (334, 18364), (381, 18397), (397, 18454), (423, 18520), (461, 18631), (484, 18691), (512, 18793), (534, 18850), (562, 18940), (624, 19180), (645, 19258),

Gene: Amao_24 Start: 18950, Stop: 20629, Start Num: 87

Candidate Starts for Amao_24:

(Start: 87 @18950 has 85 MA's), (Start: 132 @19034 has 48 MA's), (Start: 167 @19112 has 1 MA's), (195, 19199), (201, 19214), (215, 19262), (229, 19301), (261, 19388), (274, 19421), (287, 19457), (295, 19487), (297, 19493), (321, 19562), (348, 19592), (351, 19604), (353, 19607), (374, 19664), (424, 19796), (426, 19802), (449, 19868), (451, 19874), (456, 19898), (471, 19946), (479, 19970), (481, 19979), (502, 20054), (532, 20105), (536, 20120), (578, 20282), (583, 20309), (592, 20339), (620, 20444), (650, 20522), (657, 20558), (660, 20567), (667, 20600), (673, 20615),

Gene: AmericanBeauty_26 Start: 19733, Stop: 21412, Start Num: 87

Candidate Starts for AmericanBeauty_26:

(Start: 87 @19733 has 85 MA's), (Start: 132 @19817 has 48 MA's), (Start: 167 @19895 has 1 MA's), (195, 19982), (201, 19997), (215, 20045), (229, 20084), (261, 20171), (274, 20204), (287, 20240), (295, 20270), (297, 20276), (321, 20345), (348, 20375), (351, 20387), (353, 20390), (374, 20447), (424, 20579), (426, 20585), (449, 20651), (451, 20657), (456, 20681), (471, 20729), (479, 20753), (481, 20762), (502, 20837), (532, 20888), (536, 20903), (578, 21065), (583, 21092), (592, 21122), (620, 21227), (650, 21305), (657, 21341), (660, 21350), (667, 21383), (673, 21398),

Gene: Amok_17 Start: 15034, Stop: 16728, Start Num: 77

Candidate Starts for Amok_17:

(Start: 73 @15031 has 9 MA's), (Start: 77 @15034 has 39 MA's), (135, 15133), (138, 15145), (213, 15340), (243, 15415), (284, 15535), (291, 15559), (307, 15604), (345, 15637), (349, 15649), (356, 15673), (381, 15742), (385, 15754), (443, 15919), (462, 15991), (485, 16069), (490, 16084), (497, 16102), (511, 16159), (561, 16300), (563, 16306), (566, 16318), (569, 16327), (585, 16399), (586, 16402), (588, 16408), (592, 16420), (620, 16525), (623, 16534), (633, 16567), (673, 16720),

Gene: AndPeggy_17 Start: 15394, Stop: 17094, Start Num: 73

Candidate Starts for AndPeggy_17:

(Start: 73 @15394 has 9 MA's), (Start: 77 @15397 has 39 MA's), (135, 15499), (138, 15511), (178, 15607), (206, 15691), (243, 15781), (261, 15841), (271, 15868), (283, 15898), (284, 15901), (307, 15970), (345, 16003), (349, 16015), (350, 16018), (356, 16039), (358, 16042), (381, 16108), (385, 16120), (443, 16285), (485, 16435), (490, 16450), (497, 16468), (511, 16525), (561, 16666), (563, 16672), (566, 16684), (569, 16693), (585, 16765), (586, 16768), (588, 16774), (592, 16786), (620, 16891), (623, 16900), (633, 16933),

Gene: Andies_18 Start: 14986, Stop: 16695, Start Num: 86

Candidate Starts for Andies_18:

(Start: 86 @14986 has 47 MA's), (104, 15013), (Start: 158 @15118 has 2 MA's), (161, 15130), (171, 15166), (190, 15217), (199, 15247), (201, 15253), (209, 15280), (211, 15286), (254, 15406), (273, 15460), (276, 15466), (283, 15484), (287, 15496), (288, 15499), (294, 15520), (307, 15562), (319, 15595), (346, 15646), (350, 15661), (367, 15703), (373, 15718), (374, 15724), (390, 15772), (396, 15796), (406, 15826), (423, 15850), (448, 15922), (464, 15976), (469, 15985), (486, 16045), (487, 16048), (529, 16153), (532, 16162), (543, 16201), (577, 16339), (615, 16489), (616, 16492), (619, 16501), (631, 16522), (638, 16549), (650, 16585), (673, 16678),

Gene: Angelique_20 Start: 17710, Stop: 19410, Start Num: 51

Candidate Starts for Angelique_20:

(Start: 44 @17686 has 1 MA's), (Start: 51 @17710 has 25 MA's), (Start: 67 @17752 has 29 MA's), (103, 17809), (124, 17851), (220, 18040), (271, 18187), (274, 18193), (351, 18337), (354, 18343), (363, 18376), (391, 18451), (484, 18733), (511, 18829), (555, 18952), (561, 18985), (563, 18991), (579, 19057), (586, 19087), (631, 19243), (633, 19249), (665, 19378),

Gene: Annalisa_20 Start: 17346, Stop: 18926, Start Num: 99

Candidate Starts for Annalisa_20:

(46, 17229), (Start: 99 @17346 has 65 MA's), (214, 17604), (221, 17625), (246, 17679), (257, 17718), (275, 17775), (283, 17796), (381, 17967), (387, 17985), (394, 18009), (398, 18030), (423, 18072), (451, 18153), (484, 18243), (512, 18345), (513, 18348), (534, 18402), (607, 18672), (635, 18771), (637, 18780), (645, 18810),

Gene: Antonio_19 Start: 17773, Stop: 19371, Start Num: 99

Candidate Starts for Antonio_19:

(Start: 99 @17773 has 65 MA's), (208, 18022), (214, 18031), (220, 18049), (221, 18052), (246, 18106), (269, 18181), (291, 18250), (294, 18259), (297, 18271), (314, 18322), (328, 18349), (333, 18358), (334, 18361), (380, 18391), (381, 18394), (397, 18451), (423, 18517), (450, 18595), (461, 18628), (473, 18652), (484, 18688), (512, 18790), (534, 18847), (551, 18892), (554, 18898), (562, 18937), (624, 19177), (645, 19255),

Gene: Aphelion_48 Start: 29609, Stop: 31300, Start Num: 74

Candidate Starts for Aphelion_48:

(Start: 74 @29609 has 17 MA's), (110, 29669), (129, 29702), (139, 29735), (190, 29861), (201, 29894), (204, 29903), (255, 30032), (272, 30080), (374, 30293), (376, 30299), (385, 30323), (433, 30452), (443, 30473), (451, 30506), (502, 30704), (560, 30857), (583, 30956), (586, 30968), (589, 30977), (614, 31061), (658, 31208), (666, 31244), (669, 31256),

Gene: Apiary_45 Start: 31353, Stop: 32927, Start Num: 99

Candidate Starts for Apiary_45:

(Start: 99 @31353 has 65 MA's), (104, 31362), (135, 31416), (151, 31440), (153, 31443), (254, 31713), (278, 31776), (283, 31791), (335, 31908), (342, 31923), (374, 31980), (378, 31989), (391, 32031), (396, 32052), (407, 32082), (429, 32139), (453, 32214), (467, 32253), (492, 32310), (517, 32415), (518, 32418), (533, 32445), (563, 32523), (573, 32562), (620, 32718), (639, 32784),

Gene: Applejacks_18 Start: 15064, Stop: 16680, Start Num: 81

Candidate Starts for Applejacks_18:

(Start: 81 @15064 has 2 MA's), (136, 15163), (137, 15166), (160, 15217), (201, 15331), (227, 15394), (238, 15421), (272, 15517), (284, 15547), (354, 15673), (394, 15787), (403, 15820), (443, 15907), (444, 15910), (448, 15931), (460, 15976), (484, 16045), (485, 16048), (499, 16090), (502, 16108), (507, 16120), (529, 16186), (545, 16222), (550, 16228), (551, 16234), (556, 16246), (558, 16258), (570, 16306), (631, 16510), (633, 16516), (635, 16525), (661, 16624), (666, 16651), (673, 16669),

Gene: Archimedes_16 Start: 14567, Stop: 16171, Start Num: 93

Candidate Starts for Archimedes_16:

(Start: 93 @14567 has 51 MA's), (137, 14654), (181, 14759), (203, 14822), (205, 14828), (219, 14852), (258, 14960), (284, 15029), (374, 15212), (379, 15224), (395, 15278), (449, 15422), (451, 15428), (472, 15494), (479, 15512), (513, 15638), (520, 15668), (559, 15749), (560, 15752), (585, 15860), (588, 15869), (596, 15902), (643, 16049),

Gene: Archis_20 Start: 16861, Stop: 18507, Start Num: 93

Candidate Starts for Archis_20:

(71, 16825), (Start: 93 @16861 has 51 MA's), (144, 16963), (173, 17041), (Start: 179 @17044 has 11 MA's), (219, 17140), (233, 17179), (262, 17260), (283, 17314), (288, 17329), (374, 17500), (385, 17530), (451, 17713), (456, 17737), (457, 17740), (475, 17788), (502, 17881), (507, 17893), (516, 17938), (520, 17953), (559, 18085), (560, 18088), (583, 18187), (588, 18205), (601, 18256), (624, 18322), (643, 18385), (648, 18397),

Gene: ArcusAngelus_16 Start: 14845, Stop: 16554, Start Num: 83

Candidate Starts for ArcusAngelus_16:

(Start: 83 @14845 has 222 MA's), (134, 14932), (Start: 158 @14977 has 2 MA's), (165, 15001), (199, 15106), (201, 15112), (206, 15130), (215, 15160), (254, 15265), (276, 15325), (284, 15346), (287, 15355), (292, 15373), (294, 15379), (319, 15454), (322, 15466), (328, 15481), (331, 15487), (346, 15505), (350, 15520), (353, 15526), (360, 15547), (367, 15562), (368, 15565), (373, 15577), (374, 15583), (390, 15631), (394, 15643), (395, 15649), (423, 15709), (427, 15721), (443, 15757), (445, 15769), (446, 15772), (451, 15790), (469, 15844), (471, 15853), (478, 15871), (479, 15877), (529, 16012), (532, 16021), (533, 16024), (543, 16060), (554, 16099), (562, 16138), (585, 16237), (592, 16258), (600, 16291), (609, 16321), (616, 16351), (618, 16357), (619, 16360), (621, 16366), (631, 16381), (632, 16384), (638, 16408), (652, 16450), (667, 16522), (668, 16528),

Gene: Ardmore_16 Start: 14856, Stop: 16565, Start Num: 83

Candidate Starts for Ardmore_16:

(Start: 83 @14856 has 222 MA's), (134, 14943), (Start: 158 @14988 has 2 MA's), (165, 15012), (199, 15117), (201, 15123), (206, 15141), (215, 15171), (254, 15276), (276, 15336), (284, 15357), (287, 15366), (294, 15390), (319, 15465), (320, 15468), (346, 15516), (350, 15531), (353, 15537), (367, 15573), (368, 15576), (373, 15588), (374, 15594), (390, 15642), (394, 15654), (395, 15660), (423, 15720), (427, 15732), (443, 15768), (445, 15780), (469, 15855), (471, 15864), (478, 15882), (479, 15888), (487, 15918), (529, 16023), (532, 16032), (533, 16035), (543, 16071), (562, 16149), (585, 16248), (592, 16269), (600, 16302), (609, 16332), (616, 16362), (619, 16371), (621, 16377), (631, 16392), (632, 16395), (638, 16419), (648, 16449), (652, 16461), (657, 16491), (667, 16533),

Gene: Argent26_26 Start: 19736, Stop: 21415, Start Num: 87

Candidate Starts for Argent26_26:

(Start: 87 @19736 has 85 MA's), (Start: 132 @19820 has 48 MA's), (Start: 167 @19898 has 1 MA's), (195, 19985), (201, 20000), (215, 20048), (229, 20087), (261, 20174), (274, 20207), (287, 20243), (295, 20273), (297, 20279), (321, 20348), (348, 20378), (351, 20390), (353, 20393), (374, 20450), (424, 20582), (426, 20588), (449, 20654), (451, 20660), (456, 20684), (471, 20732), (479, 20756), (481, 20765), (502, 20840), (532, 20891), (536, 20906), (578, 21068), (583, 21095), (592, 21125), (620, 21230), (650, 21308), (657, 21344), (660, 21353), (667, 21386), (673, 21401),

Gene: Arib1_19 Start: 16391, Stop: 18127, Start Num: 80

Candidate Starts for Arib1_19:

(Start: 80 @16391 has 48 MA's), (125, 16472), (127, 16475), (152, 16526), (173, 16589), (176, 16595), (190, 16634), (200, 16667), (207, 16691), (250, 16811), (253, 16826), (261, 16850), (263, 16856), (292, 16940), (305, 16982), (319, 17021), (321, 17027), (337, 17066), (346, 17072), (354, 17096), (374, 17150), (382, 17171), (398, 17231), (430, 17309), (445, 17348), (453, 17381), (471, 17447), (479, 17471), (485, 17495), (495, 17525), (499, 17537), (540, 17639), (576, 17777), (596, 17861),

(625, 17960), (648, 18017), (660, 18068), (673, 18116),

Gene: Ariel_34 Start: 24674, Stop: 26407, Start Num: 84

Candidate Starts for Ariel_34:

(Start: 84 @24674 has 30 MA's), (Start: 132 @24764 has 48 MA's), (134, 24767), (165, 24842), (173, 24869), (195, 24935), (207, 24971), (216, 25001), (220, 25016), (252, 25100), (263, 25136), (274, 25163), (288, 25202), (297, 25235), (300, 25244), (320, 25301), (336, 25343), (371, 25418), (374, 25430), (394, 25490), (413, 25544), (424, 25574), (430, 25592), (435, 25601), (446, 25634), (449, 25646), (451, 25652), (462, 25691), (479, 25748), (536, 25898), (540, 25916), (553, 25958), (558, 25982), (559, 25985), (562, 26000), (570, 26030), (578, 26060), (592, 26117), (640, 26267), (669, 26387), (673, 26393),

Gene: Arti_41 Start: 29812, Stop: 31425, Start Num: 91

Candidate Starts for Arti_41:

(Start: 91 @29812 has 39 MA's), (Start: 117 @29848 has 1 MA's), (124, 29866), (153, 29926), (246, 30166), (249, 30178), (253, 30193), (278, 30259), (283, 30274), (292, 30298), (293, 30301), (327, 30385), (340, 30415), (342, 30418), (374, 30475), (390, 30523), (391, 30526), (396, 30547), (438, 30652), (451, 30697), (463, 30739), (517, 30913), (533, 30943), (534, 30949), (572, 31057), (573, 31060), (592, 31135), (657, 31354), (673, 31411),

Gene: Ashwin_58 Start: 33959, Stop: 35695, Start Num: 67

Candidate Starts for Ashwin_58:

(Start: 63 @33950 has 2 MA's), (Start: 67 @33959 has 29 MA's), (122, 34049), (170, 34166), (184, 34202), (191, 34223), (199, 34250), (201, 34256), (210, 34286), (217, 34310), (236, 34361), (287, 34499), (289, 34505), (304, 34556), (305, 34559), (311, 34577), (346, 34628), (353, 34649), (354, 34652), (373, 34700), (374, 34706), (390, 34754), (392, 34760), (394, 34766), (415, 34826), (423, 34850), (424, 34853), (443, 34898), (446, 34913), (448, 34922), (451, 34931), (464, 34976), (471, 34994), (481, 35027), (533, 35165), (538, 35186), (557, 35252), (563, 35282), (576, 35336), (585, 35378), (592, 35399), (596, 35420), (600, 35432), (606, 35453), (621, 35507), (650, 35585), (657, 35621), (662, 35642), (668, 35669),

Gene: Asriel_23 Start: 18698, Stop: 20293, Start Num: 132

Candidate Starts for Asriel_23:

(Start: 87 @18614 has 85 MA's), (Start: 132 @18698 has 48 MA's), (Start: 167 @18776 has 1 MA's), (195, 18863), (201, 18878), (215, 18926), (229, 18965), (261, 19052), (265, 19064), (274, 19085), (287, 19121), (295, 19151), (297, 19157), (321, 19226), (348, 19256), (351, 19268), (353, 19271), (374, 19328), (424, 19460), (426, 19466), (449, 19532), (451, 19538), (456, 19562), (471, 19610), (479, 19634), (481, 19643), (502, 19718), (532, 19769), (536, 19784), (578, 19946), (583, 19973), (592, 20003), (620, 20108), (650, 20186), (657, 20222), (660, 20231), (667, 20264), (673, 20279),

Gene: Atcoo_19 Start: 16260, Stop: 17996, Start Num: 80

Candidate Starts for Atcoo_19:

(Start: 65 @16236 has 2 MA's), (Start: 80 @16260 has 48 MA's), (115, 16320), (125, 16341), (127, 16344), (176, 16464), (190, 16503), (200, 16536), (207, 16560), (250, 16680), (261, 16719), (263, 16725), (292, 16809), (294, 16815), (297, 16827), (305, 16851), (315, 16878), (321, 16896), (337, 16935), (346, 16941), (354, 16965), (374, 17019), (379, 17031), (382, 17040), (398, 17100), (430, 17178), (445, 17217), (453, 17250), (471, 17316), (477, 17331), (479, 17340), (485, 17364), (495, 17394), (499, 17406), (540, 17508), (546, 17520), (547, 17523), (548, 17529), (549, 17538), (576, 17646), (596, 17730), (625, 17829), (660, 17937), (673, 17985),

Gene: Attis_17 Start: 14751, Stop: 16460, Start Num: 100

Candidate Starts for Attis_17:

(41, 14616), (Start: 100 @14751 has 33 MA's), (181, 14940), (182, 14943), (205, 15018), (225, 15072), (253, 15141), (257, 15153), (283, 15231), (284, 15234), (333, 15366), (352, 15420), (369, 15471), (380, 15501), (397, 15561), (400, 15573), (423, 15609), (463, 15726), (473, 15744), (485, 15783), (512, 15879), (554, 15987), (623, 16263), (624, 16266), (637, 16314), (645, 16344),

Gene: Aubs_16 Start: 14966, Stop: 16675, Start Num: 83

Candidate Starts for Aubs_16:

(Start: 83 @14966 has 222 MA's), (134, 15053), (Start: 158 @15098 has 2 MA's), (165, 15122), (199, 15227), (201, 15233), (206, 15251), (215, 15281), (254, 15386), (276, 15446), (284, 15467), (287, 15476), (294, 15500), (319, 15575), (328, 15602), (331, 15608), (346, 15626), (350, 15641), (353, 15647), (367, 15683), (368, 15686), (373, 15698), (374, 15704), (390, 15752), (394, 15764), (395, 15770), (423, 15830), (427, 15842), (443, 15878), (445, 15890), (469, 15965), (471, 15974), (478, 15992), (479, 15998), (487, 16028), (529, 16133), (532, 16142), (533, 16145), (543, 16181), (562, 16259), (585, 16358), (592, 16379), (600, 16412), (609, 16442), (616, 16472), (619, 16481), (621, 16487), (631, 16502), (632, 16505), (638, 16529), (648, 16559), (652, 16571), (657, 16601), (667, 16643),

Gene: Awesomesauce_17 Start: 14672, Stop: 16381, Start Num: 83

Candidate Starts for Awesomesauce_17:

(Start: 83 @14672 has 222 MA's), (134, 14759), (Start: 158 @14804 has 2 MA's), (165, 14828), (199, 14933), (201, 14939), (206, 14957), (209, 14966), (215, 14987), (254, 15092), (276, 15152), (279, 15161), (284, 15173), (287, 15182), (294, 15206), (305, 15242), (307, 15248), (311, 15260), (319, 15281), (320, 15284), (322, 15293), (328, 15308), (331, 15314), (346, 15332), (350, 15347), (353, 15353), (359, 15371), (360, 15374), (367, 15389), (373, 15404), (374, 15410), (390, 15458), (394, 15470), (395, 15476), (423, 15536), (427, 15548), (430, 15557), (443, 15584), (445, 15596), (451, 15617), (469, 15671), (471, 15680), (479, 15704), (487, 15734), (529, 15839), (533, 15851), (543, 15887), (562, 15965), (585, 16064), (592, 16085), (600, 16118), (609, 16148), (616, 16178), (618, 16184), (619, 16187), (621, 16193), (631, 16208), (632, 16211), (637, 16232), (652, 16277), (667, 16349), (668, 16355),

Gene: Axym_18 Start: 15732, Stop: 17429, Start Num: 77

Candidate Starts for Axym_18:

(Start: 73 @15729 has 9 MA's), (Start: 77 @15732 has 39 MA's), (178, 15942), (220, 16065), (243, 16116), (271, 16203), (275, 16212), (283, 16233), (288, 16248), (291, 16260), (345, 16338), (349, 16350), (358, 16377), (370, 16410), (381, 16443), (385, 16455), (396, 16497), (443, 16620), (462, 16692), (485, 16770), (490, 16785), (497, 16803), (511, 16860), (550, 16953), (559, 16989), (561, 17001), (563, 17007), (566, 17019), (569, 17028), (585, 17100), (586, 17103), (588, 17109), (592, 17121), (608, 17181), (620, 17226), (623, 17235), (633, 17268), (652, 17334),

Gene: Ayotoya_22 Start: 18130, Stop: 19836, Start Num: 93

Candidate Starts for Ayotoya_22:

(56, 18055), (Start: 93 @18130 has 51 MA's), (138, 18223), (144, 18238), (148, 18244), (Start: 179 @18319 has 11 MA's), (202, 18391), (241, 18502), (255, 18547), (261, 18565), (266, 18577), (350, 18748), (354, 18757), (355, 18763), (390, 18859), (403, 18910), (448, 19033), (458, 19072), (499, 19204), (531, 19318), (558, 19405), (585, 19519), (588, 19528), (620, 19633), (649, 19720), (678, 19828),

Gene: Azula_21 Start: 16962, Stop: 18611, Start Num: 93

Candidate Starts for Azula_21:

(71, 16926), (Start: 93 @16962 has 51 MA's), (101, 16971), (144, 17067), (173, 17145), (204, 17217), (219, 17244), (233, 17283), (262, 17364), (283, 17418), (374, 17604), (385, 17634), (422, 17733), (451, 17817), (456, 17841), (475, 17892), (502, 17985), (507, 17997), (516, 18042), (520, 18057), (559, 18189), (560, 18192), (583, 18291), (588, 18309), (601, 18360), (622, 18420), (624, 18426),

(648, 18501),

Gene: BAKA_34 Start: 27001, Stop: 28999, Start Num: 84

Candidate Starts for BAKA_34:

(Start: 84 @27001 has 30 MA's), (Start: 132 @27091 has 48 MA's), (155, 27139), (165, 27169), (207, 27298), (216, 27328), (252, 27427), (263, 27463), (274, 27490), (297, 27562), (300, 27571), (307, 27592), (331, 27661), (353, 27700), (354, 27703), (359, 27718), (374, 27757), (390, 27805), (394, 27817), (395, 27823), (413, 27871), (416, 27880), (424, 27901), (430, 27919), (447, 27967), (478, 28069), (499, 28141), (510, 28186), (512, 28198), (522, 28333), (523, 28339), (524, 28363), (525, 28435), (527, 28462), (593, 28711),

Gene: BabeRuth_18 Start: 14993, Stop: 16702, Start Num: 86

Candidate Starts for BabeRuth_18:

(Start: 86 @14993 has 47 MA's), (104, 15020), (125, 15059), (Start: 158 @15125 has 2 MA's), (161, 15137), (171, 15173), (182, 15197), (190, 15224), (195, 15245), (199, 15254), (201, 15260), (211, 15293), (273, 15467), (276, 15473), (279, 15482), (283, 15491), (287, 15503), (294, 15527), (307, 15569), (319, 15602), (346, 15653), (347, 15656), (350, 15668), (367, 15710), (373, 15725), (374, 15731), (390, 15779), (406, 15833), (423, 15857), (448, 15929), (464, 15983), (469, 15992), (471, 16001), (479, 16025), (486, 16052), (487, 16055), (529, 16160), (532, 16169), (543, 16208), (563, 16289), (577, 16346), (585, 16385), (616, 16499), (631, 16529), (632, 16532), (638, 16556), (650, 16592),

Gene: BaboJay_23 Start: 19296, Stop: 20975, Start Num: 87

Candidate Starts for BaboJay_23:

(Start: 87 @19296 has 85 MA's), (Start: 132 @19380 has 48 MA's), (Start: 167 @19458 has 1 MA's), (195, 19545), (201, 19560), (215, 19608), (229, 19647), (261, 19734), (274, 19767), (287, 19803), (295, 19833), (297, 19839), (321, 19908), (348, 19938), (351, 19950), (353, 19953), (374, 20010), (424, 20142), (426, 20148), (449, 20214), (451, 20220), (456, 20244), (471, 20292), (479, 20316), (481, 20325), (502, 20400), (532, 20451), (536, 20466), (578, 20628), (583, 20655), (592, 20685), (620, 20790), (650, 20868), (657, 20904), (660, 20913), (667, 20946), (673, 20961),

Gene: Babsiella_19 Start: 16430, Stop: 18163, Start Num: 89

Candidate Starts for Babsiella_19:

(Start: 89 @16430 has 6 MA's), (141, 16529), (146, 16538), (171, 16604), (182, 16628), (200, 16688), (201, 16691), (209, 16718), (273, 16898), (283, 16922), (287, 16934), (294, 16958), (346, 17084), (350, 17099), (354, 17108), (368, 17144), (374, 17162), (394, 17222), (464, 17414), (469, 17423), (471, 17432), (479, 17456), (532, 17600), (546, 17645), (570, 17747), (572, 17756), (576, 17774), (577, 17777), (616, 17936), (622, 17954), (631, 17990), (635, 18005), (650, 18053), (665, 18122),

Gene: BabyMoney_21 Start: 17999, Stop: 19657, Start Num: 81

Candidate Starts for BabyMoney_21:

(29, 17810), (37, 17870), (62, 17963), (Start: 81 @17999 has 2 MA's), (Start: 88 @18011 has 5 MA's), (144, 18125), (148, 18131), (Start: 167 @18179 has 1 MA's), (175, 18209), (197, 18275), (199, 18281), (243, 18392), (248, 18401), (253, 18428), (256, 18437), (263, 18458), (350, 18629), (351, 18632), (376, 18698), (382, 18713), (409, 18797), (418, 18806), (433, 18848), (443, 18869), (454, 18917), (457, 18929), (467, 18956), (489, 19025), (506, 19094), (513, 19127), (536, 19184), (559, 19235), (576, 19304), (597, 19391), (601, 19406), (621, 19463), (624, 19472), (649, 19550), (651, 19556),

Gene: Bachita_50 Start: 30042, Stop: 31733, Start Num: 74

Candidate Starts for Bachita_50:

(Start: 74 @30042 has 17 MA's), (110, 30102), (129, 30135), (139, 30168), (190, 30294), (201, 30327), (204, 30336), (255, 30465), (272, 30513), (374, 30726), (376, 30732), (385, 30756), (433, 30885), (443, 30906), (451, 30939), (502, 31137), (560, 31290), (583, 31389), (586, 31401), (589, 31410),

(614, 31494), (658, 31641), (666, 31677), (669, 31689),

Gene: BadStone_23 Start: 19745, Stop: 21424, Start Num: 87

Candidate Starts for BadStone_23:

(Start: 87 @19745 has 85 MA's), (Start: 132 @19829 has 48 MA's), (Start: 167 @19907 has 1 MA's),
(195, 19994), (201, 20009), (215, 20057), (229, 20096), (261, 20183), (274, 20216), (287, 20252),
(295, 20282), (297, 20288), (321, 20357), (348, 20387), (351, 20399), (353, 20402), (374, 20459),
(424, 20591), (426, 20597), (449, 20663), (451, 20669), (456, 20693), (471, 20741), (479, 20765),
(481, 20774), (502, 20849), (532, 20900), (536, 20915), (578, 21077), (583, 21104), (592, 21134),
(620, 21239), (650, 21317), (657, 21353), (660, 21362), (667, 21395), (673, 21410),

Gene: Balloona_17 Start: 15421, Stop: 17115, Start Num: 77

Candidate Starts for Balloona_17:

(Start: 73 @15418 has 9 MA's), (Start: 77 @15421 has 39 MA's), (135, 15520), (154, 15562), (243,
15802), (271, 15889), (280, 15910), (283, 15919), (291, 15946), (300, 15976), (307, 15991), (345,
16024), (350, 16039), (358, 16063), (370, 16096), (381, 16129), (385, 16141), (401, 16198), (422,
16246), (432, 16276), (443, 16306), (446, 16321), (458, 16369), (475, 16420), (485, 16456), (490,
16471), (497, 16489), (511, 16546), (559, 16675), (561, 16687), (574, 16735), (585, 16786), (586,
16789), (592, 16807), (612, 16885), (620, 16912), (633, 16954), (669, 17101), (673, 17107),

Gene: Balomoji_23 Start: 19479, Stop: 21158, Start Num: 87

Candidate Starts for Balomoji_23:

(Start: 87 @19479 has 85 MA's), (Start: 132 @19563 has 48 MA's), (Start: 167 @19641 has 1 MA's),
(195, 19728), (201, 19743), (215, 19791), (229, 19830), (261, 19917), (274, 19950), (287, 19986),
(295, 20016), (297, 20022), (321, 20091), (348, 20121), (351, 20133), (353, 20136), (374, 20193),
(424, 20325), (426, 20331), (449, 20397), (451, 20403), (456, 20427), (471, 20475), (479, 20499),
(481, 20508), (502, 20583), (532, 20634), (536, 20649), (578, 20811), (583, 20838), (592, 20868),
(620, 20973), (650, 21051), (657, 21087), (660, 21096), (667, 21129), (673, 21144),

Gene: Banquo_26 Start: 17827, Stop: 19155, Start Num: 179

Candidate Starts for Banquo_26:

(Start: 179 @17827 has 11 MA's), (186, 17845), (224, 17953), (259, 18043), (270, 18076), (289,
18133), (294, 18151), (296, 18160), (303, 18181), (306, 18190), (318, 18223), (338, 18256), (395,
18319), (403, 18349), (408, 18358), (420, 18367), (423, 18376), (476, 18496), (484, 18523), (499,
18568), (507, 18598), (513, 18628), (550, 18700), (558, 18733), (560, 18739), (605, 18910), (624,
18961), (648, 19045), (651, 19054), (654, 19072), (674, 19144),

Gene: Bantam_30 Start: 27105, Stop: 28868, Start Num: 75

Candidate Starts for Bantam_30:

(34, 26973), (Start: 75 @27105 has 5 MA's), (110, 27162), (173, 27315), (203, 27390), (255, 27522),
(272, 27570), (300, 27654), (353, 27816), (354, 27819), (371, 27861), (374, 27873), (376, 27879),
(395, 27939), (396, 27945), (445, 28065), (453, 28098), (468, 28146), (502, 28272), (519, 28338),
(583, 28524), (586, 28536), (609, 28614), (630, 28668), (679, 28860),

Gene: Barbarian_23 Start: 18698, Stop: 20293, Start Num: 132

Candidate Starts for Barbarian_23:

(Start: 87 @18614 has 85 MA's), (Start: 132 @18698 has 48 MA's), (Start: 167 @18776 has 1 MA's),
(195, 18863), (201, 18878), (215, 18926), (229, 18965), (261, 19052), (265, 19064), (274, 19085),
(287, 19121), (295, 19151), (297, 19157), (321, 19226), (348, 19256), (351, 19268), (353, 19271),
(374, 19328), (424, 19460), (426, 19466), (449, 19532), (451, 19538), (456, 19562), (471, 19610),
(479, 19634), (481, 19643), (502, 19718), (532, 19769), (536, 19784), (578, 19946), (583, 19973),
(592, 20003), (620, 20108), (650, 20186), (657, 20222), (660, 20231), (667, 20264), (673, 20279),

Gene: Barco_19 Start: 16650, Stop: 18296, Start Num: 93

Candidate Starts for Barco_19:

(71, 16614), (Start: 93 @16650 has 51 MA's), (144, 16752), (173, 16830), (Start: 179 @16833 has 11 MA's), (219, 16929), (233, 16968), (262, 17049), (283, 17103), (288, 17118), (374, 17289), (385, 17319), (451, 17502), (456, 17526), (457, 17529), (475, 17577), (502, 17670), (507, 17682), (516, 17727), (520, 17742), (559, 17874), (560, 17877), (583, 17976), (588, 17994), (601, 18045), (624, 18111), (643, 18174), (648, 18186),

Gene: Bartholomew_19 Start: 16385, Stop: 18121, Start Num: 80

Candidate Starts for Bartholomew_19:

(Start: 65 @16361 has 2 MA's), (Start: 80 @16385 has 48 MA's), (115, 16445), (125, 16466), (127, 16469), (176, 16589), (190, 16628), (200, 16661), (207, 16685), (250, 16805), (261, 16844), (263, 16850), (292, 16934), (294, 16940), (297, 16952), (305, 16976), (315, 17003), (321, 17021), (337, 17060), (346, 17066), (354, 17090), (374, 17144), (379, 17156), (382, 17165), (398, 17225), (430, 17303), (445, 17342), (453, 17375), (471, 17441), (477, 17456), (479, 17465), (485, 17489), (495, 17519), (499, 17531), (540, 17633), (546, 17645), (547, 17648), (548, 17654), (549, 17663), (576, 17771), (596, 17855), (625, 17954), (660, 18062), (673, 18110),

Gene: Bask21_24 Start: 19009, Stop: 20604, Start Num: 132

Candidate Starts for Bask21_24:

(Start: 87 @18925 has 85 MA's), (Start: 132 @19009 has 48 MA's), (Start: 167 @19087 has 1 MA's), (195, 19174), (201, 19189), (215, 19237), (229, 19276), (261, 19363), (274, 19396), (287, 19432), (295, 19462), (297, 19468), (321, 19537), (348, 19567), (351, 19579), (353, 19582), (374, 19639), (424, 19771), (426, 19777), (449, 19843), (451, 19849), (456, 19873), (471, 19921), (479, 19945), (481, 19954), (502, 20029), (532, 20080), (536, 20095), (578, 20257), (583, 20284), (592, 20314), (620, 20419), (650, 20497), (657, 20533), (660, 20542), (667, 20575), (673, 20590),

Gene: BatStarr_19 Start: 17764, Stop: 19362, Start Num: 99

Candidate Starts for BatStarr_19:

(Start: 99 @17764 has 65 MA's), (214, 18022), (220, 18040), (221, 18043), (246, 18097), (269, 18172), (291, 18241), (294, 18250), (297, 18262), (314, 18313), (328, 18340), (333, 18349), (334, 18352), (381, 18385), (397, 18442), (423, 18508), (461, 18619), (473, 18643), (484, 18679), (512, 18781), (534, 18838), (562, 18928), (624, 19168), (645, 19246),

Gene: Batiatus_16 Start: 14857, Stop: 16566, Start Num: 83

Candidate Starts for Batiatus_16:

(Start: 83 @14857 has 222 MA's), (134, 14944), (Start: 158 @14989 has 2 MA's), (165, 15013), (199, 15118), (201, 15124), (206, 15142), (215, 15172), (254, 15277), (276, 15337), (284, 15358), (287, 15367), (294, 15391), (307, 15433), (346, 15517), (350, 15532), (353, 15538), (367, 15574), (368, 15577), (373, 15589), (374, 15595), (390, 15643), (394, 15655), (395, 15661), (423, 15721), (427, 15733), (443, 15769), (445, 15781), (469, 15856), (471, 15865), (478, 15883), (479, 15889), (487, 15919), (529, 16024), (532, 16033), (533, 16036), (543, 16072), (562, 16150), (585, 16249), (592, 16270), (600, 16303), (609, 16333), (616, 16363), (619, 16372), (621, 16378), (631, 16393), (632, 16396), (638, 16420), (648, 16450), (652, 16462), (657, 16492), (667, 16534),

Gene: Bavilard_18 Start: 16207, Stop: 17901, Start Num: 77

Candidate Starts for Bavilard_18:

(Start: 73 @16204 has 9 MA's), (Start: 77 @16207 has 39 MA's), (135, 16306), (154, 16348), (243, 16588), (271, 16675), (280, 16696), (283, 16705), (291, 16732), (307, 16777), (345, 16810), (350, 16825), (358, 16849), (370, 16882), (381, 16915), (385, 16927), (401, 16984), (412, 17014), (422, 17032), (432, 17062), (443, 17092), (458, 17155), (475, 17206), (485, 17242), (490, 17257), (497, 17275), (511, 17332), (513, 17341), (559, 17461), (561, 17473), (574, 17521), (585, 17572), (586, 17575), (592, 17593), (612, 17671), (620, 17698), (633, 17740), (669, 17887), (673, 17893),

Gene: BaxterFox_18 Start: 17103, Stop: 18701, Start Num: 99

Candidate Starts for BaxterFox_18:

(Start: 99 @17103 has 65 MA's), (214, 17361), (220, 17379), (221, 17382), (246, 17436), (269, 17511), (291, 17580), (294, 17589), (297, 17601), (301, 17613), (314, 17652), (328, 17679), (333, 17688), (334, 17691), (381, 17724), (397, 17781), (423, 17847), (461, 17958), (484, 18018), (512, 18120), (534, 18177), (562, 18267), (624, 18507), (645, 18585),

Gene: Beakin_17 Start: 14663, Stop: 16372, Start Num: 83

Candidate Starts for Beakin_17:

(Start: 83 @14663 has 222 MA's), (134, 14750), (Start: 158 @14795 has 2 MA's), (165, 14819), (199, 14924), (201, 14930), (206, 14948), (215, 14978), (254, 15083), (276, 15143), (284, 15164), (287, 15173), (292, 15191), (294, 15197), (319, 15272), (346, 15323), (350, 15338), (353, 15344), (367, 15380), (368, 15383), (373, 15395), (374, 15401), (390, 15449), (394, 15461), (395, 15467), (423, 15527), (427, 15539), (443, 15575), (445, 15587), (469, 15662), (471, 15671), (478, 15689), (479, 15695), (487, 15725), (529, 15830), (532, 15839), (533, 15842), (543, 15878), (562, 15956), (585, 16055), (592, 16076), (600, 16109), (609, 16139), (616, 16169), (619, 16178), (621, 16184), (631, 16199), (632, 16202), (638, 16226), (648, 16256), (652, 16268), (657, 16298), (667, 16340),

Gene: Beanstalk_18 Start: 14807, Stop: 16516, Start Num: 83

Candidate Starts for Beanstalk_18:

(Start: 83 @14807 has 222 MA's), (134, 14894), (Start: 158 @14939 has 2 MA's), (165, 14963), (170, 14984), (199, 15068), (201, 15074), (206, 15092), (215, 15122), (254, 15227), (276, 15287), (284, 15308), (287, 15317), (294, 15341), (346, 15467), (350, 15482), (353, 15488), (367, 15524), (368, 15527), (373, 15539), (374, 15545), (390, 15593), (394, 15605), (395, 15611), (423, 15671), (427, 15683), (443, 15719), (445, 15731), (469, 15806), (471, 15815), (479, 15839), (487, 15869), (529, 15974), (533, 15986), (543, 16022), (553, 16058), (554, 16061), (562, 16100), (585, 16199), (592, 16220), (600, 16253), (609, 16283), (616, 16313), (619, 16322), (621, 16328), (631, 16343), (632, 16346), (637, 16367), (638, 16370), (652, 16412), (657, 16442), (667, 16484), (668, 16490),

Gene: BearBQ_19 Start: 17400, Stop: 19109, Start Num: 51

Candidate Starts for BearBQ_19:

(Start: 51 @17400 has 25 MA's), (53, 17412), (55, 17415), (105, 17517), (124, 17553), (154, 17619), (208, 17712), (227, 17763), (230, 17772), (238, 17790), (253, 17832), (255, 17838), (263, 17862), (265, 17868), (271, 17886), (290, 17937), (291, 17943), (300, 17973), (345, 18015), (354, 18042), (361, 18066), (381, 18117), (382, 18120), (391, 18150), (445, 18300), (495, 18462), (511, 18528), (513, 18537), (515, 18549), (518, 18558), (555, 18651), (559, 18672), (561, 18684), (563, 18690), (565, 18699), (566, 18702), (579, 18756), (586, 18786), (603, 18855), (631, 18942), (633, 18948), (647, 18999), (667, 19086), (675, 19104),

Gene: Becksu_24 Start: 20013, Stop: 21608, Start Num: 132

Candidate Starts for Becksu_24:

(Start: 87 @19929 has 85 MA's), (Start: 132 @20013 has 48 MA's), (Start: 167 @20091 has 1 MA's), (195, 20178), (201, 20193), (215, 20241), (229, 20280), (261, 20367), (274, 20400), (287, 20436), (295, 20466), (297, 20472), (321, 20541), (348, 20571), (351, 20583), (353, 20586), (374, 20643), (424, 20775), (426, 20781), (449, 20847), (451, 20853), (456, 20877), (471, 20925), (479, 20949), (481, 20958), (502, 21033), (532, 21084), (536, 21099), (578, 21261), (583, 21288), (592, 21318), (620, 21423), (650, 21501), (657, 21537), (660, 21546), (667, 21579), (673, 21594),

Gene: BeeGee_20 Start: 17530, Stop: 19236, Start Num: 51

Candidate Starts for BeeGee_20:

(Start: 44 @17506 has 1 MA's), (Start: 51 @17530 has 25 MA's), (103, 17635), (124, 17677), (169, 17752), (220, 17866), (271, 18013), (274, 18019), (290, 18064), (363, 18202), (391, 18277), (484,

18559), (491, 18580), (511, 18655), (541, 18742), (555, 18778), (561, 18811), (563, 18817), (579, 18883), (586, 18913), (631, 19069), (633, 19075), (637, 19093), (665, 19204),

Gene: Beenie_20 Start: 17703, Stop: 19283, Start Num: 99

Candidate Starts for Beenie_20:

(46, 17586), (Start: 99 @17703 has 65 MA's), (214, 17961), (221, 17982), (246, 18036), (257, 18075), (275, 18132), (283, 18153), (381, 18324), (387, 18342), (394, 18366), (398, 18387), (423, 18429), (451, 18510), (484, 18600), (499, 18645), (512, 18702), (513, 18705), (534, 18759), (562, 18849), (635, 19128), (637, 19137), (645, 19167),

Gene: Begonia_20 Start: 17128, Stop: 18774, Start Num: 93

Candidate Starts for Begonia_20:

(71, 17092), (Start: 93 @17128 has 51 MA's), (144, 17230), (173, 17308), (219, 17407), (233, 17446), (262, 17527), (283, 17581), (288, 17596), (374, 17767), (385, 17797), (451, 17980), (456, 18004), (475, 18055), (502, 18148), (507, 18160), (516, 18205), (520, 18220), (559, 18352), (560, 18355), (583, 18454), (588, 18472), (601, 18523), (624, 18589), (643, 18652), (648, 18664),

Gene: Belphegor_33 Start: 30018, Stop: 31643, Start Num: 90

Candidate Starts for Belphegor_33:

(Start: 60 @29961 has 1 MA's), (Start: 90 @30018 has 22 MA's), (Start: 99 @30030 has 65 MA's), (118, 30063), (138, 30114), (186, 30231), (190, 30243), (201, 30273), (220, 30318), (243, 30369), (254, 30408), (354, 30615), (366, 30645), (370, 30654), (382, 30690), (398, 30750), (423, 30798), (426, 30807), (448, 30870), (457, 30906), (460, 30915), (473, 30945), (484, 30984), (507, 31071), (508, 31074), (534, 31152), (559, 31212), (570, 31257), (588, 31338), (602, 31392), (635, 31488), (660, 31584), (667, 31617),

Gene: Bench_26 Start: 19690, Stop: 21285, Start Num: 132

Candidate Starts for Bench_26:

(Start: 87 @19606 has 85 MA's), (Start: 132 @19690 has 48 MA's), (Start: 167 @19768 has 1 MA's), (195, 19855), (201, 19870), (215, 19918), (229, 19957), (261, 20044), (274, 20077), (287, 20113), (295, 20143), (297, 20149), (321, 20218), (348, 20248), (351, 20260), (353, 20263), (374, 20320), (424, 20452), (426, 20458), (449, 20524), (451, 20530), (456, 20554), (471, 20602), (479, 20626), (481, 20635), (502, 20710), (532, 20761), (536, 20776), (578, 20938), (583, 20965), (592, 20995), (620, 21100), (650, 21178), (657, 21214), (660, 21223), (667, 21256), (673, 21271),

Gene: Bhagsy_19 Start: 16392, Stop: 18128, Start Num: 80

Candidate Starts for Bhagsy_19:

(Start: 65 @16368 has 2 MA's), (Start: 80 @16392 has 48 MA's), (115, 16452), (125, 16473), (127, 16476), (176, 16596), (190, 16635), (200, 16668), (207, 16692), (250, 16812), (261, 16851), (263, 16857), (292, 16941), (294, 16947), (297, 16959), (305, 16983), (315, 17010), (321, 17028), (337, 17067), (346, 17073), (354, 17097), (374, 17151), (379, 17163), (382, 17172), (398, 17232), (430, 17310), (445, 17349), (453, 17382), (471, 17448), (477, 17463), (479, 17472), (485, 17496), (495, 17526), (499, 17538), (540, 17640), (546, 17652), (547, 17655), (548, 17661), (549, 17670), (576, 17778), (596, 17862), (625, 17961), (660, 18069), (673, 18117),

Gene: BiPauneto_44 Start: 29578, Stop: 31182, Start Num: 99

Candidate Starts for BiPauneto_44:

(Start: 91 @29566 has 39 MA's), (Start: 98 @29575 has 1 MA's), (Start: 99 @29578 has 65 MA's), (Start: 117 @29602 has 1 MA's), (153, 29680), (220, 29863), (246, 29920), (249, 29932), (253, 29947), (278, 30013), (283, 30028), (292, 30052), (327, 30139), (329, 30145), (340, 30169), (374, 30229), (385, 30259), (391, 30280), (428, 30385), (438, 30406), (463, 30493), (483, 30541), (517, 30667), (534, 30703), (585, 30868), (591, 30886), (600, 30922), (655, 31096), (657, 31108), (673, 31165),

Gene: Bialota_19 Start: 17776, Stop: 19374, Start Num: 99

Candidate Starts for Bialota_19:

(Start: 99 @17776 has 65 MA's), (208, 18025), (214, 18034), (220, 18052), (221, 18055), (246, 18109), (269, 18184), (291, 18253), (294, 18262), (297, 18274), (301, 18286), (314, 18325), (328, 18352), (333, 18361), (334, 18364), (381, 18397), (397, 18454), (423, 18520), (461, 18631), (484, 18691), (512, 18793), (534, 18850), (562, 18940), (624, 19180), (645, 19258),

Gene: BigBubba_25 Start: 19509, Stop: 21188, Start Num: 87

Candidate Starts for BigBubba_25:

(Start: 87 @19509 has 85 MA's), (Start: 132 @19593 has 48 MA's), (Start: 167 @19671 has 1 MA's), (195, 19758), (201, 19773), (215, 19821), (229, 19860), (261, 19947), (274, 19980), (287, 20016), (295, 20046), (297, 20052), (321, 20121), (348, 20151), (351, 20163), (353, 20166), (374, 20223), (424, 20355), (426, 20361), (449, 20427), (451, 20433), (456, 20457), (471, 20505), (479, 20529), (481, 20538), (502, 20613), (532, 20664), (536, 20679), (578, 20841), (583, 20868), (592, 20898), (620, 21003), (650, 21081), (657, 21117), (660, 21126), (667, 21159), (673, 21174),

Gene: BigChungus_17 Start: 15461, Stop: 17155, Start Num: 77

Candidate Starts for BigChungus_17:

(Start: 73 @15458 has 9 MA's), (Start: 77 @15461 has 39 MA's), (135, 15560), (154, 15602), (180, 15671), (243, 15842), (271, 15929), (280, 15950), (283, 15959), (291, 15986), (307, 16031), (345, 16064), (350, 16079), (358, 16103), (370, 16136), (381, 16169), (385, 16181), (401, 16238), (422, 16286), (432, 16316), (443, 16346), (458, 16409), (475, 16460), (485, 16496), (490, 16511), (497, 16529), (511, 16586), (513, 16595), (559, 16715), (561, 16727), (574, 16775), (585, 16826), (586, 16829), (592, 16847), (612, 16925), (616, 16940), (620, 16952), (633, 16994), (669, 17141), (673, 17147),

Gene: BigHunkinEater_38 Start: 29992, Stop: 31614, Start Num: 90

Candidate Starts for BigHunkinEater_38:

(Start: 90 @29992 has 22 MA's), (106, 30013), (113, 30025), (137, 30076), (163, 30139), (190, 30211), (222, 30298), (247, 30349), (254, 30379), (284, 30460), (292, 30487), (354, 30586), (366, 30616), (370, 30625), (381, 30658), (382, 30661), (383, 30664), (386, 30673), (398, 30721), (423, 30769), (426, 30778), (457, 30877), (473, 30916), (478, 30928), (508, 31045), (515, 31084), (534, 31123), (558, 31180), (568, 31219), (570, 31228), (582, 31285), (584, 31297), (600, 31354), (601, 31360), (609, 31381), (620, 31414), (635, 31459), (667, 31588), (669, 31597),

Gene: BigNuz_18 Start: 16129, Stop: 17865, Start Num: 80

Candidate Starts for BigNuz_18:

(Start: 80 @16129 has 48 MA's), (127, 16213), (173, 16327), (176, 16333), (184, 16354), (190, 16372), (200, 16405), (207, 16429), (261, 16588), (263, 16594), (301, 16708), (321, 16765), (337, 16804), (346, 16810), (354, 16834), (374, 16888), (379, 16900), (382, 16909), (398, 16969), (419, 17014), (423, 17026), (430, 17047), (445, 17086), (453, 17119), (456, 17131), (471, 17185), (479, 17209), (485, 17233), (495, 17263), (499, 17275), (540, 17377), (546, 17389), (548, 17398), (549, 17407), (576, 17515), (596, 17599), (625, 17698), (648, 17755), (673, 17854),

Gene: BigPhil_17 Start: 14635, Stop: 16344, Start Num: 83

Candidate Starts for BigPhil_17:

(Start: 83 @14635 has 222 MA's), (134, 14722), (Start: 158 @14767 has 2 MA's), (165, 14791), (199, 14896), (201, 14902), (206, 14920), (215, 14950), (254, 15055), (276, 15115), (284, 15136), (287, 15145), (294, 15169), (319, 15244), (320, 15247), (346, 15295), (350, 15310), (353, 15316), (367, 15352), (368, 15355), (373, 15367), (374, 15373), (390, 15421), (394, 15433), (395, 15439), (423, 15499), (427, 15511), (443, 15547), (445, 15559), (469, 15634), (471, 15643), (478, 15661), (479, 15667), (487, 15697), (529, 15802), (532, 15811), (533, 15814), (543, 15850), (562, 15928), (585, 16027), (592, 16048), (600, 16081), (609, 16111), (616, 16141), (619, 16150), (621, 16156), (631,

16171), (632, 16174), (638, 16198), (648, 16228), (652, 16240), (657, 16270), (667, 16312),

Gene: BilboSwaggins_24 Start: 19830, Stop: 21425, Start Num: 132

Candidate Starts for BilboSwaggins_24:

(Start: 87 @19746 has 85 MA's), (Start: 132 @19830 has 48 MA's), (Start: 167 @19908 has 1 MA's), (195, 19995), (201, 20010), (215, 20058), (229, 20097), (261, 20184), (274, 20217), (287, 20253), (295, 20283), (297, 20289), (321, 20358), (348, 20388), (351, 20400), (353, 20403), (374, 20460), (424, 20592), (426, 20598), (449, 20664), (451, 20670), (456, 20694), (471, 20742), (479, 20766), (481, 20775), (502, 20850), (532, 20901), (536, 20916), (578, 21078), (583, 21105), (592, 21135), (620, 21240), (650, 21318), (657, 21354), (660, 21363), (667, 21396), (673, 21411),

Gene: BillDoor_20 Start: 15365, Stop: 17062, Start Num: 77

Candidate Starts for BillDoor_20:

(Start: 73 @15362 has 9 MA's), (Start: 77 @15365 has 39 MA's), (135, 15467), (138, 15479), (178, 15575), (206, 15659), (243, 15749), (261, 15809), (271, 15836), (283, 15866), (284, 15869), (307, 15938), (345, 15971), (349, 15983), (350, 15986), (356, 16007), (358, 16010), (381, 16076), (385, 16088), (443, 16253), (485, 16403), (490, 16418), (497, 16436), (511, 16493), (561, 16634), (563, 16640), (566, 16652), (569, 16661), (585, 16733), (586, 16736), (588, 16742), (592, 16754), (616, 16847), (620, 16859), (623, 16868), (633, 16901),

Gene: Bipolar_16 Start: 14807, Stop: 16516, Start Num: 83

Candidate Starts for Bipolar_16:

(Start: 83 @14807 has 222 MA's), (134, 14894), (Start: 158 @14939 has 2 MA's), (165, 14963), (199, 15068), (201, 15074), (206, 15092), (215, 15122), (254, 15227), (276, 15287), (284, 15308), (287, 15317), (294, 15341), (319, 15416), (320, 15419), (346, 15467), (350, 15482), (353, 15488), (367, 15524), (368, 15527), (373, 15539), (374, 15545), (390, 15593), (394, 15605), (395, 15611), (423, 15671), (427, 15683), (443, 15719), (445, 15731), (446, 15734), (469, 15806), (471, 15815), (478, 15833), (479, 15839), (487, 15869), (529, 15974), (532, 15983), (533, 15986), (543, 16022), (562, 16100), (585, 16199), (592, 16220), (600, 16253), (616, 16313), (619, 16322), (621, 16328), (631, 16343), (632, 16346), (638, 16370), (648, 16400), (652, 16412), (657, 16442), (667, 16484),

Gene: Birdsong_19 Start: 16293, Stop: 18002, Start Num: 51

Candidate Starts for Birdsong_19:

(Start: 51 @16293 has 25 MA's), (53, 16305), (55, 16308), (105, 16410), (124, 16446), (154, 16512), (227, 16656), (230, 16665), (238, 16683), (253, 16725), (255, 16731), (263, 16755), (271, 16779), (290, 16830), (291, 16836), (300, 16866), (345, 16908), (351, 16929), (354, 16935), (361, 16959), (381, 17010), (382, 17013), (391, 17043), (445, 17193), (454, 17229), (495, 17355), (511, 17421), (513, 17430), (515, 17442), (518, 17451), (555, 17544), (559, 17565), (561, 17577), (563, 17583), (564, 17589), (566, 17595), (579, 17649), (586, 17679), (603, 17748), (631, 17835), (633, 17841), (647, 17892), (667, 17979), (675, 17997),

Gene: Biskit_19 Start: 15377, Stop: 17077, Start Num: 73

Candidate Starts for Biskit_19:

(61, 15350), (Start: 73 @15377 has 9 MA's), (Start: 77 @15380 has 39 MA's), (178, 15590), (238, 15758), (243, 15764), (280, 15872), (283, 15881), (291, 15908), (300, 15938), (307, 15953), (345, 15986), (349, 15998), (361, 16034), (381, 16091), (385, 16103), (443, 16268), (485, 16418), (490, 16433), (497, 16451), (511, 16508), (559, 16637), (561, 16649), (566, 16667), (569, 16676), (585, 16748), (586, 16751), (588, 16757), (592, 16769), (620, 16874), (623, 16883), (633, 16916),

Gene: Bjaner7_17 Start: 14751, Stop: 16460, Start Num: 100

Candidate Starts for Bjaner7_17:

(41, 14616), (Start: 100 @14751 has 33 MA's), (181, 14940), (182, 14943), (205, 15018), (225, 15072), (253, 15141), (257, 15153), (283, 15231), (284, 15234), (333, 15366), (352, 15420), (369, 15471),

(380, 15501), (397, 15561), (400, 15573), (423, 15609), (463, 15726), (473, 15744), (485, 15783), (512, 15879), (554, 15987), (623, 16263), (624, 16266), (637, 16314), (645, 16344),

Gene: Blessica_57 Start: 33788, Stop: 35524, Start Num: 67

Candidate Starts for Blessica_57:

(Start: 63 @33779 has 2 MA's), (Start: 67 @33788 has 29 MA's), (122, 33878), (170, 33995), (184, 34031), (191, 34052), (199, 34079), (201, 34085), (210, 34115), (217, 34139), (236, 34190), (287, 34328), (289, 34334), (304, 34385), (305, 34388), (311, 34406), (346, 34457), (353, 34478), (354, 34481), (373, 34529), (374, 34535), (390, 34583), (392, 34589), (394, 34595), (415, 34655), (423, 34679), (424, 34682), (443, 34727), (446, 34742), (448, 34751), (451, 34760), (464, 34805), (471, 34823), (481, 34856), (533, 34994), (538, 35015), (557, 35081), (563, 35111), (576, 35165), (585, 35207), (592, 35228), (596, 35249), (600, 35261), (606, 35282), (621, 35336), (650, 35414), (657, 35450), (662, 35471), (668, 35498),

Gene: Blexus_16 Start: 14994, Stop: 16703, Start Num: 83

Candidate Starts for Blexus_16:

(Start: 83 @14994 has 222 MA's), (134, 15081), (Start: 158 @15126 has 2 MA's), (165, 15150), (184, 15207), (199, 15255), (201, 15261), (206, 15279), (215, 15309), (254, 15414), (276, 15474), (284, 15495), (287, 15504), (294, 15528), (346, 15654), (350, 15669), (353, 15675), (367, 15711), (368, 15714), (373, 15726), (374, 15732), (390, 15780), (394, 15792), (395, 15798), (423, 15858), (427, 15870), (443, 15906), (445, 15918), (469, 15993), (471, 16002), (478, 16020), (479, 16026), (487, 16056), (529, 16161), (533, 16173), (543, 16209), (562, 16287), (585, 16386), (592, 16407), (600, 16440), (609, 16470), (616, 16500), (619, 16509), (621, 16515), (631, 16530), (632, 16533), (637, 16554), (638, 16557), (652, 16599), (657, 16629), (667, 16671),

Gene: BlingBling_19 Start: 16650, Stop: 18296, Start Num: 93

Candidate Starts for BlingBling_19:

(71, 16614), (Start: 93 @16650 has 51 MA's), (144, 16752), (173, 16830), (Start: 179 @16833 has 11 MA's), (219, 16929), (233, 16968), (262, 17049), (283, 17103), (288, 17118), (374, 17289), (385, 17319), (451, 17502), (456, 17526), (457, 17529), (475, 17577), (502, 17670), (507, 17682), (516, 17727), (520, 17742), (559, 17874), (560, 17877), (583, 17976), (588, 17994), (601, 18045), (624, 18111), (643, 18174), (648, 18186),

Gene: Blino_19 Start: 16618, Stop: 18264, Start Num: 93

Candidate Starts for Blino_19:

(71, 16582), (Start: 93 @16618 has 51 MA's), (144, 16720), (173, 16798), (Start: 179 @16801 has 11 MA's), (219, 16897), (233, 16936), (262, 17017), (283, 17071), (288, 17086), (374, 17257), (385, 17287), (451, 17470), (456, 17494), (475, 17545), (502, 17638), (507, 17650), (516, 17695), (520, 17710), (559, 17842), (560, 17845), (583, 17944), (588, 17962), (601, 18013), (622, 18073), (624, 18079), (643, 18142), (648, 18154),

Gene: Blondies_19 Start: 15360, Stop: 17060, Start Num: 73

Candidate Starts for Blondies_19:

(61, 15333), (Start: 73 @15360 has 9 MA's), (Start: 77 @15363 has 39 MA's), (178, 15573), (238, 15741), (243, 15747), (261, 15807), (280, 15855), (283, 15864), (291, 15891), (300, 15921), (307, 15936), (345, 15969), (349, 15981), (361, 16017), (381, 16074), (385, 16086), (443, 16251), (485, 16401), (490, 16416), (497, 16434), (511, 16491), (559, 16620), (561, 16632), (566, 16650), (569, 16659), (585, 16731), (586, 16734), (588, 16740), (592, 16752), (620, 16857), (623, 16866), (633, 16899),

Gene: BlueCrab_16 Start: 14976, Stop: 16685, Start Num: 83

Candidate Starts for BlueCrab_16:

(Start: 83 @14976 has 222 MA's), (134, 15063), (Start: 158 @15108 has 2 MA's), (165, 15132), (199, 15237), (201, 15243), (206, 15261), (215, 15291), (254, 15396), (276, 15456), (284, 15477), (287, 15486), (294, 15510), (346, 15636), (350, 15651), (353, 15657), (367, 15693), (368, 15696), (373, 15708), (374, 15714), (390, 15762), (394, 15774), (395, 15780), (423, 15840), (427, 15852), (443, 15888), (445, 15900), (469, 15975), (471, 15984), (478, 16002), (479, 16008), (487, 16038), (529, 16143), (532, 16152), (533, 16155), (543, 16191), (562, 16269), (585, 16368), (592, 16389), (600, 16422), (609, 16452), (616, 16482), (619, 16491), (621, 16497), (631, 16512), (632, 16515), (637, 16536), (638, 16539), (652, 16581), (657, 16611), (667, 16653),

Gene: BlueNGold_100 Start: 60020, Stop: 61648, Start Num: 82

Candidate Starts for BlueNGold_100:

(Start: 82 @60020 has 4 MA's), (Start: 93 @60035 has 51 MA's), (Start: 99 @60038 has 65 MA's), (113, 60065), (138, 60122), (157, 60158), (Start: 167 @60191 has 1 MA's), (181, 60221), (182, 60224), (205, 60293), (212, 60299), (271, 60464), (287, 60506), (290, 60515), (292, 60524), (295, 60536), (366, 60656), (423, 60809), (445, 60869), (490, 61016), (495, 61037), (499, 61052), (517, 61130), (519, 61136), (566, 61253), (570, 61268), (583, 61325), (592, 61355), (600, 61388), (639, 61508), (673, 61637),

Gene: Blueberry_21 Start: 16962, Stop: 18611, Start Num: 93

Candidate Starts for Blueberry_21:

(71, 16926), (Start: 93 @16962 has 51 MA's), (101, 16971), (144, 17067), (173, 17145), (204, 17217), (219, 17244), (233, 17283), (262, 17364), (283, 17418), (374, 17604), (385, 17634), (422, 17733), (451, 17817), (456, 17841), (475, 17892), (502, 17985), (507, 17997), (516, 18042), (520, 18057), (559, 18189), (560, 18192), (583, 18291), (588, 18309), (601, 18360), (622, 18420), (624, 18426), (648, 18501),

Gene: Bluvara_19 Start: 16498, Stop: 18231, Start Num: 89

Candidate Starts for Bluvara_19:

(Start: 89 @16498 has 6 MA's), (141, 16597), (146, 16606), (171, 16672), (182, 16696), (200, 16756), (201, 16759), (209, 16786), (273, 16966), (283, 16990), (287, 17002), (294, 17026), (346, 17152), (350, 17167), (354, 17176), (368, 17212), (374, 17230), (464, 17482), (469, 17491), (479, 17524), (532, 17668), (546, 17713), (570, 17815), (572, 17824), (576, 17842), (577, 17845), (616, 18004), (622, 18022), (631, 18058), (635, 18073), (650, 18121), (665, 18190),

Gene: BobaPhett_16 Start: 14804, Stop: 16513, Start Num: 83

Candidate Starts for BobaPhett_16:

(Start: 83 @14804 has 222 MA's), (134, 14891), (Start: 158 @14936 has 2 MA's), (165, 14960), (184, 15017), (199, 15065), (201, 15071), (206, 15089), (215, 15119), (254, 15224), (273, 15278), (276, 15284), (279, 15293), (287, 15314), (294, 15338), (305, 15374), (307, 15380), (319, 15413), (320, 15416), (322, 15425), (328, 15440), (331, 15446), (346, 15464), (350, 15479), (353, 15485), (359, 15503), (360, 15506), (367, 15521), (373, 15536), (374, 15542), (390, 15590), (394, 15602), (395, 15608), (423, 15668), (427, 15680), (443, 15716), (445, 15728), (469, 15803), (471, 15812), (478, 15830), (479, 15836), (487, 15866), (529, 15971), (533, 15983), (543, 16019), (562, 16097), (592, 16217), (600, 16250), (609, 16280), (611, 16292), (616, 16310), (618, 16316), (619, 16319), (621, 16325), (631, 16340), (632, 16343), (637, 16364), (638, 16367), (652, 16409), (657, 16439), (667, 16481), (668, 16487),

Gene: Bobby_38 Start: 28176, Stop: 30174, Start Num: 84

Candidate Starts for Bobby_38:

(Start: 84 @28176 has 30 MA's), (Start: 132 @28266 has 48 MA's), (155, 28314), (165, 28344), (173, 28371), (207, 28473), (216, 28503), (232, 28554), (252, 28602), (263, 28638), (265, 28644), (274, 28665), (297, 28737), (300, 28746), (307, 28767), (353, 28875), (354, 28878), (359, 28893), (374, 28932), (390, 28980), (394, 28992), (395, 28998), (413, 29046), (416, 29055), (424, 29076), (430,

29094), (447, 29142), (478, 29244), (499, 29316), (510, 29361), (512, 29373), (522, 29508), (523, 29514), (524, 29538), (525, 29610), (527, 29637), (593, 29886),

Gene: Bobi_18 Start: 15396, Stop: 17105, Start Num: 83

Candidate Starts for Bobi_18:

(Start: 83 @15396 has 222 MA's), (134, 15483), (Start: 158 @15528 has 2 MA's), (165, 15552), (199, 15657), (201, 15663), (206, 15681), (215, 15711), (254, 15816), (276, 15876), (284, 15897), (287, 15906), (294, 15930), (346, 16056), (350, 16071), (353, 16077), (367, 16113), (368, 16116), (373, 16128), (374, 16134), (390, 16182), (394, 16194), (395, 16200), (423, 16260), (427, 16272), (443, 16308), (445, 16320), (469, 16395), (471, 16404), (478, 16422), (479, 16428), (487, 16458), (529, 16563), (532, 16572), (533, 16575), (543, 16611), (562, 16689), (585, 16788), (592, 16809), (600, 16842), (609, 16872), (616, 16902), (619, 16911), (621, 16917), (631, 16932), (632, 16935), (638, 16959), (648, 16989), (652, 17001), (657, 17031), (667, 17073),

Gene: BodEinwohner17_16 Start: 14976, Stop: 16685, Start Num: 83

Candidate Starts for BodEinwohner17_16:

(Start: 83 @14976 has 222 MA's), (134, 15063), (Start: 158 @15108 has 2 MA's), (165, 15132), (199, 15237), (201, 15243), (206, 15261), (215, 15291), (254, 15396), (276, 15456), (284, 15477), (287, 15486), (294, 15510), (346, 15636), (350, 15651), (353, 15657), (367, 15693), (368, 15696), (373, 15708), (374, 15714), (390, 15762), (394, 15774), (395, 15780), (423, 15840), (427, 15852), (443, 15888), (445, 15900), (469, 15975), (471, 15984), (478, 16002), (479, 16008), (487, 16038), (529, 16143), (533, 16155), (543, 16191), (562, 16269), (585, 16368), (592, 16389), (600, 16422), (609, 16452), (616, 16482), (619, 16491), (621, 16497), (631, 16512), (632, 16515), (637, 16536), (638, 16539), (652, 16581), (657, 16611), (667, 16653),

Gene: Bogg_24 Start: 18730, Stop: 20325, Start Num: 132

Candidate Starts for Bogg_24:

(Start: 87 @18646 has 85 MA's), (Start: 132 @18730 has 48 MA's), (Start: 167 @18808 has 1 MA's), (195, 18895), (201, 18910), (215, 18958), (229, 18997), (261, 19084), (274, 19117), (287, 19153), (295, 19183), (297, 19189), (321, 19258), (348, 19288), (351, 19300), (353, 19303), (374, 19360), (424, 19492), (426, 19498), (449, 19564), (451, 19570), (456, 19594), (471, 19642), (479, 19666), (481, 19675), (502, 19750), (532, 19801), (536, 19816), (578, 19978), (583, 20005), (592, 20035), (620, 20140), (650, 20218), (657, 20254), (660, 20263), (667, 20296), (673, 20311),

Gene: Bogie_18 Start: 16084, Stop: 17844, Start Num: 65

Candidate Starts for Bogie_18:

(Start: 65 @16084 has 2 MA's), (Start: 80 @16108 has 48 MA's), (115, 16168), (125, 16189), (127, 16192), (176, 16312), (190, 16351), (200, 16384), (207, 16408), (250, 16528), (261, 16567), (263, 16573), (292, 16657), (294, 16663), (297, 16675), (305, 16699), (315, 16726), (321, 16744), (337, 16783), (346, 16789), (354, 16813), (374, 16867), (379, 16879), (382, 16888), (398, 16948), (430, 17026), (445, 17065), (453, 17098), (471, 17164), (477, 17179), (479, 17188), (485, 17212), (495, 17242), (499, 17254), (540, 17356), (546, 17368), (547, 17371), (548, 17377), (549, 17386), (576, 17494), (596, 17578), (625, 17677), (660, 17785), (673, 17833),

Gene: Bombitas_33 Start: 26624, Stop: 28357, Start Num: 84

Candidate Starts for Bombitas_33:

(Start: 84 @26624 has 30 MA's), (Start: 132 @26714 has 48 MA's), (155, 26762), (165, 26792), (173, 26819), (207, 26921), (216, 26951), (252, 27050), (263, 27086), (265, 27092), (274, 27113), (297, 27185), (300, 27194), (307, 27215), (331, 27284), (353, 27323), (354, 27326), (359, 27341), (374, 27380), (390, 27428), (394, 27440), (395, 27446), (413, 27494), (416, 27503), (424, 27524), (430, 27542), (447, 27590), (478, 27692), (495, 27752), (499, 27764), (536, 27848), (539, 27860), (540, 27866), (546, 27878), (547, 27881), (556, 27920), (560, 27938), (569, 27974), (570, 27980), (592, 28067), (615, 28157), (635, 28199), (640, 28217), (649, 28247), (658, 28289), (673, 28343),

Gene: Bonum_44 Start: 30146, Stop: 31762, Start Num: 91

Candidate Starts for Bonum_44:

(Start: 91 @30146 has 39 MA's), (153, 30260), (184, 30344), (253, 30527), (278, 30593), (283, 30608), (292, 30632), (327, 30719), (340, 30749), (342, 30752), (374, 30809), (396, 30881), (438, 30986), (463, 31073), (483, 31121), (517, 31247), (534, 31283), (573, 31394), (592, 31469), (648, 31646), (657, 31688), (673, 31745),

Gene: Boomer_17 Start: 14621, Stop: 16330, Start Num: 83

Candidate Starts for Boomer_17:

(Start: 83 @14621 has 222 MA's), (134, 14708), (Start: 158 @14753 has 2 MA's), (165, 14777), (184, 14834), (199, 14882), (201, 14888), (206, 14906), (215, 14936), (254, 15041), (273, 15095), (276, 15101), (279, 15110), (284, 15122), (287, 15131), (294, 15155), (305, 15191), (307, 15197), (311, 15209), (319, 15230), (320, 15233), (322, 15242), (328, 15257), (331, 15263), (346, 15281), (350, 15296), (353, 15302), (359, 15320), (360, 15323), (367, 15338), (373, 15353), (374, 15359), (385, 15389), (390, 15407), (394, 15419), (395, 15425), (423, 15485), (427, 15497), (443, 15533), (445, 15545), (451, 15566), (469, 15620), (471, 15629), (479, 15653), (487, 15683), (529, 15788), (533, 15800), (543, 15836), (554, 15875), (562, 15914), (585, 16013), (592, 16034), (600, 16067), (609, 16097), (616, 16127), (619, 16136), (621, 16142), (631, 16157), (632, 16160), (637, 16181), (638, 16184), (652, 16226), (657, 16256), (667, 16298),

Gene: Boopy_101 Start: 60032, Stop: 61660, Start Num: 82

Candidate Starts for Boopy_101:

(Start: 82 @60032 has 4 MA's), (Start: 93 @60047 has 51 MA's), (Start: 99 @60050 has 65 MA's), (113, 60077), (138, 60134), (157, 60170), (Start: 167 @60203 has 1 MA's), (181, 60233), (182, 60236), (205, 60305), (212, 60311), (271, 60476), (287, 60518), (290, 60527), (292, 60536), (295, 60548), (366, 60668), (423, 60821), (445, 60881), (490, 61028), (495, 61049), (499, 61064), (517, 61142), (519, 61148), (566, 61265), (570, 61280), (583, 61337), (592, 61367), (600, 61400), (639, 61520), (673, 61649),

Gene: Bora_54 Start: 33145, Stop: 34881, Start Num: 67

Candidate Starts for Bora_54:

(Start: 63 @33136 has 2 MA's), (Start: 67 @33145 has 29 MA's), (122, 33235), (170, 33352), (184, 33388), (191, 33409), (199, 33436), (201, 33442), (210, 33472), (217, 33496), (236, 33547), (287, 33685), (289, 33691), (304, 33742), (305, 33745), (311, 33763), (346, 33814), (353, 33835), (354, 33838), (373, 33886), (374, 33892), (390, 33940), (392, 33946), (394, 33952), (415, 34012), (423, 34036), (424, 34039), (443, 34084), (446, 34099), (448, 34108), (451, 34117), (464, 34162), (471, 34180), (481, 34213), (533, 34351), (538, 34372), (557, 34438), (563, 34468), (576, 34522), (585, 34564), (592, 34585), (596, 34606), (600, 34618), (606, 34639), (621, 34693), (650, 34771), (657, 34807), (662, 34828), (668, 34855),

Gene: Bosection6_18 Start: 14989, Stop: 16698, Start Num: 86

Candidate Starts for Bosection6_18:

(Start: 86 @14989 has 47 MA's), (104, 15016), (Start: 158 @15121 has 2 MA's), (161, 15133), (171, 15169), (190, 15220), (199, 15250), (201, 15256), (209, 15283), (211, 15289), (254, 15409), (273, 15463), (276, 15469), (283, 15487), (287, 15499), (288, 15502), (294, 15523), (307, 15565), (319, 15598), (346, 15649), (350, 15664), (367, 15706), (373, 15721), (374, 15727), (390, 15775), (396, 15799), (406, 15829), (423, 15853), (445, 15913), (448, 15925), (464, 15979), (469, 15988), (486, 16048), (487, 16051), (529, 16156), (532, 16165), (543, 16204), (577, 16342), (615, 16492), (616, 16495), (619, 16504), (631, 16525), (638, 16552), (650, 16588), (673, 16681),

Gene: Bosnia_19 Start: 17764, Stop: 19362, Start Num: 99

Candidate Starts for Bosnia_19:

(Start: 99 @17764 has 65 MA's), (214, 18022), (220, 18040), (221, 18043), (246, 18097), (269, 18172), (291, 18241), (294, 18250), (297, 18262), (314, 18313), (328, 18340), (333, 18349), (334, 18352), (381, 18385), (397, 18442), (423, 18508), (461, 18619), (473, 18643), (484, 18679), (512, 18781), (534, 18838), (562, 18928), (624, 19168), (645, 19246),

Gene: BoyNamedSue_19 Start: 17776, Stop: 19374, Start Num: 99

Candidate Starts for BoyNamedSue_19:

(Start: 99 @17776 has 65 MA's), (214, 18034), (220, 18052), (221, 18055), (246, 18109), (269, 18184), (291, 18253), (294, 18262), (297, 18274), (301, 18286), (314, 18325), (328, 18352), (333, 18361), (334, 18364), (381, 18397), (397, 18454), (423, 18520), (461, 18631), (484, 18691), (512, 18793), (534, 18850), (562, 18940), (624, 19180), (645, 19258),

Gene: Bradissa_20 Start: 17713, Stop: 19419, Start Num: 51

Candidate Starts for Bradissa_20:

(Start: 44 @17689 has 1 MA's), (Start: 51 @17713 has 25 MA's), (Start: 67 @17761 has 29 MA's), (103, 17818), (124, 17860), (220, 18049), (271, 18196), (274, 18202), (290, 18247), (363, 18385), (391, 18460), (484, 18742), (491, 18763), (511, 18838), (541, 18925), (555, 18961), (561, 18994), (563, 19000), (579, 19066), (586, 19096), (631, 19252), (633, 19258), (637, 19276), (665, 19387),

Gene: Bran_17 Start: 16323, Stop: 18020, Start Num: 50

Candidate Starts for Bran_17:

(Start: 50 @16323 has 4 MA's), (57, 16344), (102, 16428), (119, 16455), (120, 16461), (188, 16593), (208, 16644), (220, 16677), (229, 16701), (274, 16821), (286, 16854), (291, 16872), (313, 16926), (353, 16971), (374, 17028), (379, 17040), (391, 17079), (413, 17139), (424, 17160), (427, 17169), (445, 17226), (473, 17316), (505, 17424), (517, 17478), (519, 17484), (526, 17502), (563, 17598), (569, 17619), (579, 17664), (622, 17823), (627, 17838), (632, 17853), (635, 17865), (673, 18009),

Gene: Braxoaddie_45 Start: 31342, Stop: 32916, Start Num: 99

Candidate Starts for Braxoaddie_45:

(Start: 99 @31342 has 65 MA's), (104, 31351), (135, 31405), (151, 31429), (153, 31432), (254, 31702), (278, 31765), (283, 31780), (335, 31897), (342, 31912), (374, 31969), (378, 31978), (391, 32020), (396, 32041), (407, 32071), (429, 32128), (453, 32203), (492, 32299), (517, 32404), (518, 32407), (533, 32434), (563, 32512), (573, 32551), (620, 32707), (639, 32773),

Gene: Brewer_24 Start: 19994, Stop: 21673, Start Num: 87

Candidate Starts for Brewer_24:

(Start: 87 @19994 has 85 MA's), (Start: 132 @20078 has 48 MA's), (Start: 167 @20156 has 1 MA's), (195, 20243), (201, 20258), (215, 20306), (229, 20345), (261, 20432), (274, 20465), (287, 20501), (295, 20531), (297, 20537), (321, 20606), (348, 20636), (351, 20648), (353, 20651), (374, 20708), (424, 20840), (426, 20846), (449, 20912), (451, 20918), (456, 20942), (471, 20990), (479, 21014), (481, 21023), (502, 21098), (532, 21149), (536, 21164), (578, 21326), (583, 21353), (592, 21383), (620, 21488), (650, 21566), (657, 21602), (660, 21611), (667, 21644), (673, 21659),

Gene: BritBrat_20 Start: 17542, Stop: 19272, Start Num: 44

Candidate Starts for BritBrat_20:

(Start: 44 @17542 has 1 MA's), (Start: 51 @17566 has 25 MA's), (103, 17671), (124, 17713), (169, 17788), (220, 17902), (271, 18049), (274, 18055), (290, 18100), (363, 18238), (391, 18313), (484, 18595), (491, 18616), (511, 18691), (541, 18778), (555, 18814), (561, 18847), (563, 18853), (579, 18919), (586, 18949), (631, 19105), (633, 19111), (637, 19129), (665, 19240),

Gene: Brocalys_16 Start: 14792, Stop: 16501, Start Num: 83

Candidate Starts for Brocalys_16:

(Start: 83 @14792 has 222 MA's), (134, 14879), (Start: 158 @14924 has 2 MA's), (165, 14948), (199, 15053), (201, 15059), (206, 15077), (215, 15107), (254, 15212), (276, 15272), (284, 15293), (287, 15302), (294, 15326), (346, 15452), (350, 15467), (353, 15473), (367, 15509), (368, 15512), (373, 15524), (374, 15530), (390, 15578), (394, 15590), (395, 15596), (423, 15656), (427, 15668), (443, 15704), (445, 15716), (469, 15791), (471, 15800), (478, 15818), (479, 15824), (487, 15854), (529, 15959), (532, 15968), (533, 15971), (543, 16007), (562, 16085), (585, 16184), (592, 16205), (600, 16238), (609, 16268), (616, 16298), (619, 16307), (621, 16313), (631, 16328), (632, 16331), (638, 16355), (648, 16385), (652, 16397), (657, 16427), (667, 16469),

Gene: BronnyJames_28 Start: 23259, Stop: 24992, Start Num: 84

Candidate Starts for BronnyJames_28:

(Start: 84 @23259 has 30 MA's), (Start: 132 @23349 has 48 MA's), (134, 23352), (173, 23454), (195, 23520), (207, 23556), (216, 23586), (220, 23601), (252, 23685), (263, 23721), (274, 23748), (288, 23787), (297, 23820), (300, 23829), (320, 23886), (336, 23928), (371, 24003), (374, 24015), (394, 24075), (413, 24129), (424, 24159), (430, 24177), (435, 24186), (446, 24219), (449, 24231), (451, 24237), (462, 24276), (479, 24333), (536, 24483), (540, 24501), (553, 24543), (558, 24567), (559, 24570), (562, 24585), (570, 24615), (578, 24645), (592, 24702), (640, 24852), (669, 24972), (673, 24978),

Gene: BronnyJr_19 Start: 16231, Stop: 17967, Start Num: 80

Candidate Starts for BronnyJr_19:

(Start: 80 @16231 has 48 MA's), (125, 16312), (127, 16315), (152, 16366), (173, 16429), (176, 16435), (190, 16474), (200, 16507), (207, 16531), (250, 16651), (253, 16666), (261, 16690), (263, 16696), (292, 16780), (305, 16822), (319, 16861), (321, 16867), (337, 16906), (346, 16912), (354, 16936), (374, 16990), (382, 17011), (398, 17071), (430, 17149), (445, 17188), (453, 17221), (471, 17287), (479, 17311), (485, 17335), (495, 17365), (499, 17377), (540, 17479), (576, 17617), (596, 17701), (625, 17800), (648, 17857), (660, 17908), (673, 17956),

Gene: Brookers_17 Start: 14663, Stop: 16372, Start Num: 83

Candidate Starts for Brookers_17:

(Start: 83 @14663 has 222 MA's), (134, 14750), (Start: 158 @14795 has 2 MA's), (165, 14819), (199, 14924), (201, 14930), (206, 14948), (215, 14978), (254, 15083), (276, 15143), (284, 15164), (287, 15173), (294, 15197), (319, 15272), (320, 15275), (346, 15323), (350, 15338), (353, 15344), (367, 15380), (368, 15383), (373, 15395), (374, 15401), (390, 15449), (394, 15461), (395, 15467), (423, 15527), (427, 15539), (443, 15575), (445, 15587), (469, 15662), (471, 15671), (478, 15689), (479, 15695), (487, 15725), (529, 15830), (532, 15839), (533, 15842), (543, 15878), (562, 15956), (585, 16055), (592, 16076), (600, 16109), (609, 16139), (616, 16169), (619, 16178), (621, 16184), (631, 16199), (632, 16202), (638, 16226), (648, 16256), (652, 16268), (657, 16298), (667, 16340),

Gene: Bruin_24 Start: 19853, Stop: 21448, Start Num: 132

Candidate Starts for Bruin_24:

(Start: 87 @19769 has 85 MA's), (Start: 132 @19853 has 48 MA's), (Start: 167 @19931 has 1 MA's), (195, 20018), (201, 20033), (215, 20081), (229, 20120), (261, 20207), (274, 20240), (287, 20276), (295, 20306), (297, 20312), (321, 20381), (348, 20411), (351, 20423), (353, 20426), (374, 20483), (424, 20615), (426, 20621), (449, 20687), (451, 20693), (456, 20717), (471, 20765), (479, 20789), (481, 20798), (502, 20873), (532, 20924), (536, 20939), (578, 21101), (583, 21128), (592, 21158), (620, 21263), (650, 21341), (657, 21377), (660, 21386), (667, 21419), (673, 21434),

Gene: Brujita_19 Start: 16495, Stop: 18228, Start Num: 89

Candidate Starts for Brujita_19:

(Start: 89 @16495 has 6 MA's), (141, 16594), (146, 16603), (171, 16669), (182, 16693), (200, 16753), (201, 16756), (209, 16783), (273, 16963), (283, 16987), (287, 16999), (294, 17023), (346, 17149), (350, 17164), (354, 17173), (368, 17209), (374, 17227), (394, 17287), (445, 17413), (464, 17479),

(469, 17488), (471, 17497), (479, 17521), (532, 17665), (546, 17710), (570, 17812), (572, 17821), (576, 17839), (577, 17842), (616, 18001), (622, 18019), (631, 18055), (635, 18070), (650, 18118), (665, 18187),

Gene: Brusacoram_19 Start: 16385, Stop: 18121, Start Num: 80

Candidate Starts for Brusacoram_19:

(Start: 65 @16361 has 2 MA's), (Start: 80 @16385 has 48 MA's), (115, 16445), (125, 16466), (127, 16469), (176, 16589), (190, 16628), (200, 16661), (207, 16685), (250, 16805), (261, 16844), (263, 16850), (292, 16934), (294, 16940), (297, 16952), (305, 16976), (315, 17003), (321, 17021), (337, 17060), (346, 17066), (354, 17090), (374, 17144), (379, 17156), (382, 17165), (398, 17225), (430, 17303), (445, 17342), (453, 17375), (471, 17441), (477, 17456), (479, 17465), (485, 17489), (495, 17519), (499, 17531), (540, 17633), (546, 17645), (547, 17648), (548, 17654), (549, 17663), (576, 17771), (596, 17855), (625, 17954), (660, 18062), (673, 18110),

Gene: Brushbloom_17 Start: 14687, Stop: 16396, Start Num: 83

Candidate Starts for Brushbloom_17:

(Start: 83 @14687 has 222 MA's), (134, 14774), (Start: 158 @14819 has 2 MA's), (165, 14843), (199, 14948), (201, 14954), (206, 14972), (215, 15002), (254, 15107), (276, 15167), (284, 15188), (287, 15197), (294, 15221), (346, 15347), (350, 15362), (353, 15368), (367, 15404), (368, 15407), (373, 15419), (374, 15425), (390, 15473), (394, 15485), (395, 15491), (423, 15551), (427, 15563), (443, 15599), (445, 15611), (469, 15686), (471, 15695), (478, 15713), (479, 15719), (487, 15749), (529, 15854), (532, 15863), (533, 15866), (543, 15902), (562, 15980), (585, 16079), (592, 16100), (600, 16133), (609, 16163), (616, 16193), (619, 16202), (621, 16208), (631, 16223), (632, 16226), (638, 16250), (648, 16280), (652, 16292), (657, 16322), (667, 16364),

Gene: BrutonGaster_36 Start: 25954, Stop: 27642, Start Num: 74

Candidate Starts for BrutonGaster_36:

(Start: 74 @25954 has 17 MA's), (110, 26014), (116, 26023), (129, 26047), (171, 26164), (173, 26170), (200, 26236), (220, 26284), (253, 26371), (255, 26377), (272, 26425), (274, 26428), (289, 26470), (350, 26575), (374, 26638), (376, 26644), (385, 26668), (445, 26830), (470, 26920), (499, 27028), (502, 27046), (513, 27088), (533, 27133), (534, 27139), (560, 27199), (583, 27298), (586, 27310), (589, 27319), (650, 27511), (658, 27550), (666, 27586), (679, 27634),

Gene: Bubble_18 Start: 15732, Stop: 17429, Start Num: 77

Candidate Starts for Bubble_18:

(Start: 73 @15729 has 9 MA's), (Start: 77 @15732 has 39 MA's), (178, 15942), (220, 16065), (243, 16116), (271, 16203), (275, 16212), (283, 16233), (288, 16248), (291, 16260), (345, 16338), (349, 16350), (358, 16377), (370, 16410), (381, 16443), (385, 16455), (396, 16497), (443, 16620), (462, 16692), (485, 16770), (490, 16785), (497, 16803), (511, 16860), (550, 16953), (559, 16989), (561, 17001), (563, 17007), (566, 17019), (569, 17028), (585, 17100), (586, 17103), (588, 17109), (592, 17121), (608, 17181), (620, 17226), (623, 17235), (633, 17268), (652, 17334),

Gene: Bubbles123_17 Start: 15521, Stop: 17230, Start Num: 83

Candidate Starts for Bubbles123_17:

(Start: 83 @15521 has 222 MA's), (134, 15608), (Start: 158 @15653 has 2 MA's), (165, 15677), (199, 15782), (201, 15788), (206, 15806), (215, 15836), (254, 15941), (276, 16001), (284, 16022), (287, 16031), (294, 16055), (346, 16181), (350, 16196), (353, 16202), (367, 16238), (368, 16241), (373, 16253), (374, 16259), (390, 16307), (394, 16319), (395, 16325), (423, 16385), (427, 16397), (443, 16433), (445, 16445), (469, 16520), (471, 16529), (478, 16547), (479, 16553), (487, 16583), (529, 16688), (532, 16697), (533, 16700), (543, 16736), (562, 16814), (585, 16913), (592, 16934), (600, 16967), (609, 16997), (616, 17027), (619, 17036), (621, 17042), (631, 17057), (632, 17060), (638, 17084), (648, 17114), (652, 17126), (657, 17156), (667, 17198),

Gene: Buck_23 Start: 19702, Stop: 21381, Start Num: 87

Candidate Starts for Buck_23:

(Start: 87 @19702 has 85 MA's), (Start: 132 @19786 has 48 MA's), (Start: 167 @19864 has 1 MA's),
(195, 19951), (201, 19966), (215, 20014), (229, 20053), (261, 20140), (274, 20173), (287, 20209),
(295, 20239), (297, 20245), (321, 20314), (348, 20344), (351, 20356), (353, 20359), (374, 20416),
(424, 20548), (426, 20554), (449, 20620), (451, 20626), (456, 20650), (471, 20698), (479, 20722),
(481, 20731), (502, 20806), (532, 20857), (536, 20872), (578, 21034), (583, 21061), (592, 21091),
(620, 21196), (650, 21274), (657, 21310), (660, 21319), (667, 21352), (673, 21367),

Gene: Budgie_26 Start: 19137, Stop: 20816, Start Num: 87

Candidate Starts for Budgie_26:

(Start: 87 @19137 has 85 MA's), (Start: 132 @19221 has 48 MA's), (Start: 167 @19299 has 1 MA's),
(195, 19386), (201, 19401), (215, 19449), (229, 19488), (261, 19575), (267, 19593), (287, 19644),
(295, 19674), (297, 19680), (321, 19749), (348, 19779), (351, 19791), (353, 19794), (374, 19851),
(424, 19983), (426, 19989), (449, 20055), (451, 20061), (456, 20085), (471, 20133), (479, 20157),
(481, 20166), (488, 20187), (502, 20241), (532, 20292), (536, 20307), (578, 20469), (592, 20526),
(620, 20631), (650, 20709), (657, 20745), (667, 20787), (673, 20802),

Gene: Buggaboo_42 Start: 30625, Stop: 32241, Start Num: 91

Candidate Starts for Buggaboo_42:

(Start: 91 @30625 has 39 MA's), (Start: 99 @30637 has 65 MA's), (153, 30739), (184, 30823), (253,
31006), (278, 31072), (283, 31087), (292, 31111), (327, 31198), (340, 31228), (342, 31231), (374,
31288), (396, 31360), (438, 31465), (463, 31552), (483, 31600), (517, 31726), (534, 31762), (573,
31873), (592, 31948), (648, 32125), (657, 32167), (673, 32224),

Gene: BugsBunny_22 Start: 19419, Stop: 21014, Start Num: 132

Candidate Starts for BugsBunny_22:

(Start: 87 @19335 has 85 MA's), (Start: 132 @19419 has 48 MA's), (Start: 167 @19497 has 1 MA's),
(195, 19584), (201, 19599), (215, 19647), (229, 19686), (261, 19773), (274, 19806), (287, 19842),
(295, 19872), (297, 19878), (321, 19947), (348, 19977), (351, 19989), (353, 19992), (374, 20049),
(424, 20181), (426, 20187), (449, 20253), (451, 20259), (456, 20283), (471, 20331), (479, 20355),
(481, 20364), (502, 20439), (532, 20490), (536, 20505), (578, 20667), (583, 20694), (592, 20724),
(620, 20829), (650, 20907), (657, 20943), (660, 20952), (667, 20985), (673, 21000),

Gene: Bunnies_19 Start: 16407, Stop: 18143, Start Num: 80

Candidate Starts for Bunnies_19:

(Start: 65 @16383 has 2 MA's), (Start: 80 @16407 has 48 MA's), (115, 16467), (125, 16488), (127,
16491), (176, 16611), (190, 16650), (200, 16683), (207, 16707), (250, 16827), (261, 16866), (263,
16872), (292, 16956), (294, 16962), (297, 16974), (305, 16998), (315, 17025), (321, 17043), (337,
17082), (346, 17088), (354, 17112), (374, 17166), (379, 17178), (382, 17187), (398, 17247), (430,
17325), (445, 17364), (453, 17397), (471, 17463), (477, 17478), (479, 17487), (485, 17511), (495,
17541), (499, 17553), (540, 17655), (546, 17667), (547, 17670), (548, 17676), (549, 17685), (576,
17793), (596, 17877), (625, 17976), (660, 18084), (673, 18132),

Gene: Bunnybear_18 Start: 17781, Stop: 19379, Start Num: 99

Candidate Starts for Bunnybear_18:

(28, 17559), (30, 17580), (33, 17610), (46, 17664), (Start: 99 @17781 has 65 MA's), (214, 18039),
(220, 18057), (221, 18060), (246, 18114), (257, 18153), (269, 18189), (291, 18258), (294, 18267),
(314, 18330), (328, 18357), (333, 18366), (334, 18369), (381, 18402), (397, 18459), (398, 18465),
(423, 18525), (450, 18603), (456, 18627), (461, 18636), (473, 18660), (484, 18696), (512, 18798),
(534, 18855), (550, 18894), (551, 18900), (554, 18906), (562, 18945), (592, 19062), (624, 19185),
(645, 19263),

Gene: Burnsey_18 Start: 15730, Stop: 17430, Start Num: 73

Candidate Starts for Burnsey_18:

(61, 15703), (Start: 73 @15730 has 9 MA's), (Start: 77 @15733 has 39 MA's), (178, 15943), (220, 16066), (243, 16117), (271, 16204), (275, 16213), (283, 16234), (288, 16249), (291, 16261), (345, 16339), (349, 16351), (358, 16378), (370, 16411), (381, 16444), (385, 16456), (396, 16498), (443, 16621), (462, 16693), (485, 16771), (490, 16786), (497, 16804), (511, 16861), (550, 16954), (559, 16990), (561, 17002), (563, 17008), (566, 17020), (569, 17029), (585, 17101), (586, 17104), (588, 17110), (592, 17122), (608, 17182), (620, 17227), (623, 17236), (633, 17269), (652, 17335),

Gene: Burwell21_16 Start: 14811, Stop: 16520, Start Num: 83

Candidate Starts for Burwell21_16:

(Start: 83 @14811 has 222 MA's), (134, 14898), (Start: 158 @14943 has 2 MA's), (165, 14967), (199, 15072), (201, 15078), (206, 15096), (215, 15126), (254, 15231), (273, 15285), (276, 15291), (279, 15300), (287, 15321), (294, 15345), (305, 15381), (307, 15387), (319, 15420), (320, 15423), (322, 15432), (328, 15447), (331, 15453), (346, 15471), (350, 15486), (353, 15492), (359, 15510), (360, 15513), (367, 15528), (373, 15543), (374, 15549), (390, 15597), (394, 15609), (395, 15615), (423, 15675), (427, 15687), (443, 15723), (445, 15735), (469, 15810), (471, 15819), (478, 15837), (479, 15843), (487, 15873), (529, 15978), (533, 15990), (543, 16026), (562, 16104), (592, 16224), (600, 16257), (609, 16287), (611, 16299), (616, 16317), (618, 16323), (619, 16326), (621, 16332), (631, 16347), (632, 16350), (637, 16371), (638, 16374), (652, 16416), (657, 16446), (667, 16488), (668, 16494),

Gene: Butters_18 Start: 14956, Stop: 16665, Start Num: 86

Candidate Starts for Butters_18:

(Start: 86 @14956 has 47 MA's), (104, 14983), (Start: 158 @15088 has 2 MA's), (161, 15100), (171, 15136), (190, 15187), (195, 15208), (199, 15217), (201, 15223), (207, 15244), (211, 15256), (273, 15430), (276, 15436), (283, 15454), (287, 15466), (288, 15469), (294, 15490), (319, 15565), (328, 15592), (346, 15616), (347, 15619), (350, 15631), (367, 15673), (373, 15688), (374, 15694), (378, 15703), (390, 15742), (406, 15796), (423, 15820), (445, 15880), (464, 15946), (469, 15955), (471, 15964), (486, 16015), (487, 16018), (529, 16123), (543, 16171), (560, 16237), (577, 16309), (616, 16462), (619, 16471), (631, 16492), (635, 16507), (638, 16519), (650, 16555), (652, 16561),

Gene: Buttrmlkdreams_18 Start: 15362, Stop: 17059, Start Num: 77

Candidate Starts for Buttrmlkdreams_18:

(61, 15332), (Start: 73 @15359 has 9 MA's), (Start: 77 @15362 has 39 MA's), (178, 15572), (238, 15740), (243, 15746), (261, 15806), (280, 15854), (283, 15863), (291, 15890), (300, 15920), (307, 15935), (345, 15968), (349, 15980), (361, 16016), (381, 16073), (385, 16085), (427, 16205), (437, 16226), (443, 16250), (485, 16400), (490, 16415), (497, 16433), (511, 16490), (559, 16619), (561, 16631), (566, 16649), (569, 16658), (585, 16730), (586, 16733), (588, 16739), (592, 16751), (620, 16856), (623, 16865), (633, 16898),

Gene: BuzzLyseyear_18 Start: 15198, Stop: 16907, Start Num: 83

Candidate Starts for BuzzLyseyear_18:

(Start: 83 @15198 has 222 MA's), (134, 15285), (Start: 158 @15330 has 2 MA's), (165, 15354), (199, 15459), (201, 15465), (206, 15483), (215, 15513), (254, 15618), (276, 15678), (284, 15699), (287, 15708), (294, 15732), (346, 15858), (350, 15873), (353, 15879), (359, 15897), (360, 15900), (367, 15915), (373, 15930), (374, 15936), (390, 15984), (394, 15996), (395, 16002), (423, 16062), (427, 16074), (443, 16110), (445, 16122), (469, 16197), (471, 16206), (478, 16224), (479, 16230), (487, 16260), (529, 16365), (533, 16377), (543, 16413), (562, 16491), (592, 16611), (600, 16644), (609, 16674), (611, 16686), (616, 16704), (618, 16710), (619, 16713), (621, 16719), (631, 16734), (632, 16737), (637, 16758), (638, 16761), (652, 16803), (657, 16833), (667, 16875), (668, 16881),

Gene: ByChance_16 Start: 14817, Stop: 16526, Start Num: 83

Candidate Starts for ByChance_16:

(Start: 83 @14817 has 222 MA's), (134, 14904), (Start: 158 @14949 has 2 MA's), (165, 14973), (199, 15078), (201, 15084), (206, 15102), (215, 15132), (254, 15237), (276, 15297), (284, 15318), (287, 15327), (294, 15351), (319, 15426), (320, 15429), (346, 15477), (350, 15492), (353, 15498), (367, 15534), (373, 15549), (374, 15555), (390, 15603), (394, 15615), (395, 15621), (423, 15681), (427, 15693), (443, 15729), (445, 15741), (469, 15816), (471, 15825), (478, 15843), (479, 15849), (487, 15879), (529, 15984), (533, 15996), (543, 16032), (562, 16110), (592, 16230), (600, 16263), (609, 16293), (616, 16323), (619, 16332), (621, 16338), (631, 16353), (632, 16356), (638, 16380), (648, 16410), (652, 16422), (657, 16452), (667, 16494),

Gene: Byougenkin_16 Start: 14826, Stop: 16535, Start Num: 83

Candidate Starts for Byougenkin_16:

(Start: 83 @14826 has 222 MA's), (134, 14913), (Start: 158 @14958 has 2 MA's), (165, 14982), (199, 15087), (201, 15093), (206, 15111), (215, 15141), (254, 15246), (276, 15306), (284, 15327), (287, 15336), (292, 15354), (294, 15360), (346, 15486), (350, 15501), (353, 15507), (367, 15543), (368, 15546), (373, 15558), (374, 15564), (390, 15612), (394, 15624), (395, 15630), (423, 15690), (427, 15702), (443, 15738), (445, 15750), (469, 15825), (471, 15834), (478, 15852), (479, 15858), (487, 15888), (529, 15993), (532, 16002), (533, 16005), (543, 16041), (560, 16107), (562, 16119), (585, 16218), (592, 16239), (600, 16272), (609, 16302), (616, 16332), (619, 16341), (621, 16347), (631, 16362), (632, 16365), (638, 16389), (652, 16431), (657, 16461), (667, 16503), (668, 16509),

Gene: C3PO_31 Start: 28482, Stop: 30080, Start Num: 97

Candidate Starts for C3PO_31:

(Start: 97 @28482 has 8 MA's), (159, 28581), (183, 28650), (194, 28689), (244, 28824), (263, 28884), (329, 29037), (335, 29049), (339, 29058), (340, 29061), (370, 29106), (374, 29121), (378, 29130), (381, 29139), (396, 29193), (402, 29211), (425, 29265), (499, 29481), (528, 29574), (567, 29682), (580, 29736), (599, 29811), (639, 29940), (672, 30066),

Gene: Cabrinians_16 Start: 14807, Stop: 16516, Start Num: 83

Candidate Starts for Cabrinians_16:

(Start: 83 @14807 has 222 MA's), (134, 14894), (Start: 158 @14939 has 2 MA's), (165, 14963), (199, 15068), (201, 15074), (206, 15092), (215, 15122), (254, 15227), (276, 15287), (284, 15308), (287, 15317), (294, 15341), (319, 15416), (320, 15419), (346, 15467), (350, 15482), (353, 15488), (367, 15524), (368, 15527), (373, 15539), (374, 15545), (390, 15593), (394, 15605), (395, 15611), (423, 15671), (427, 15683), (443, 15719), (445, 15731), (469, 15806), (471, 15815), (478, 15833), (479, 15839), (487, 15869), (529, 15974), (533, 15986), (543, 16022), (562, 16100), (592, 16220), (600, 16253), (609, 16283), (616, 16313), (619, 16322), (621, 16328), (631, 16343), (632, 16346), (638, 16370), (648, 16400), (652, 16412), (657, 16442), (667, 16484),

Gene: Cactus_25 Start: 18958, Stop: 20637, Start Num: 87

Candidate Starts for Cactus_25:

(Start: 87 @18958 has 85 MA's), (Start: 132 @19042 has 48 MA's), (Start: 167 @19120 has 1 MA's), (195, 19207), (201, 19222), (215, 19270), (229, 19309), (261, 19396), (274, 19429), (287, 19465), (295, 19495), (297, 19501), (321, 19570), (348, 19600), (351, 19612), (353, 19615), (374, 19672), (424, 19804), (426, 19810), (449, 19876), (451, 19882), (456, 19906), (471, 19954), (479, 19978), (481, 19987), (502, 20062), (532, 20113), (536, 20128), (578, 20290), (583, 20317), (592, 20347), (620, 20452), (650, 20530), (657, 20566), (660, 20575), (667, 20608), (673, 20623),

Gene: CactusJack_19 Start: 16273, Stop: 18009, Start Num: 80

Candidate Starts for CactusJack_19:

(Start: 65 @16249 has 2 MA's), (Start: 80 @16273 has 48 MA's), (115, 16333), (125, 16354), (127, 16357), (176, 16477), (190, 16516), (200, 16549), (207, 16573), (250, 16693), (261, 16732), (263, 16738), (292, 16822), (294, 16828), (297, 16840), (305, 16864), (315, 16891), (321, 16909), (337,

16948), (346, 16954), (354, 16978), (374, 17032), (379, 17044), (382, 17053), (398, 17113), (430, 17191), (445, 17230), (453, 17263), (471, 17329), (479, 17353), (485, 17377), (495, 17407), (540, 17521), (546, 17533), (548, 17542), (549, 17551), (576, 17659), (596, 17743), (625, 17842), (660, 17950), (673, 17998),

Gene: Camster_19 Start: 16386, Stop: 18122, Start Num: 80

Candidate Starts for Camster_19:

(Start: 65 @16362 has 2 MA's), (Start: 80 @16386 has 48 MA's), (115, 16446), (125, 16467), (127, 16470), (176, 16590), (190, 16629), (200, 16662), (207, 16686), (250, 16806), (261, 16845), (263, 16851), (292, 16935), (294, 16941), (297, 16953), (305, 16977), (315, 17004), (321, 17022), (337, 17061), (346, 17067), (354, 17091), (374, 17145), (379, 17157), (382, 17166), (398, 17226), (430, 17304), (445, 17343), (453, 17376), (471, 17442), (477, 17457), (479, 17466), (485, 17490), (495, 17520), (499, 17532), (540, 17634), (546, 17646), (547, 17649), (548, 17655), (549, 17664), (576, 17772), (596, 17856), (625, 17955), (660, 18063), (673, 18111),

Gene: CanesSauce_18 Start: 15395, Stop: 17095, Start Num: 73

Candidate Starts for CanesSauce_18:

(Start: 73 @15395 has 9 MA's), (Start: 77 @15398 has 39 MA's), (135, 15500), (138, 15512), (178, 15608), (206, 15692), (243, 15782), (261, 15842), (271, 15869), (283, 15899), (284, 15902), (307, 15971), (345, 16004), (349, 16016), (350, 16019), (356, 16040), (358, 16043), (381, 16109), (385, 16121), (443, 16286), (485, 16436), (490, 16451), (497, 16469), (511, 16526), (561, 16667), (563, 16673), (566, 16685), (569, 16694), (585, 16766), (586, 16769), (588, 16775), (592, 16787), (620, 16892), (623, 16901), (633, 16934),

Gene: CaptainKirk2_19 Start: 16674, Stop: 18320, Start Num: 93

Candidate Starts for CaptainKirk2_19:

(71, 16638), (Start: 93 @16674 has 51 MA's), (144, 16776), (171, 16848), (173, 16854), (Start: 179 @16857 has 11 MA's), (219, 16953), (233, 16992), (262, 17073), (283, 17127), (288, 17142), (347, 17238), (374, 17313), (385, 17343), (451, 17526), (456, 17550), (502, 17694), (507, 17706), (520, 17766), (559, 17898), (560, 17901), (583, 18000), (588, 18018), (601, 18069), (624, 18135), (643, 18198), (648, 18210),

Gene: CaptainTrips_17 Start: 15501, Stop: 17210, Start Num: 83

Candidate Starts for CaptainTrips_17:

(Start: 83 @15501 has 222 MA's), (134, 15588), (Start: 158 @15633 has 2 MA's), (165, 15657), (170, 15678), (199, 15762), (201, 15768), (206, 15786), (215, 15816), (254, 15921), (276, 15981), (284, 16002), (287, 16011), (292, 16029), (294, 16035), (346, 16161), (350, 16176), (353, 16182), (367, 16218), (368, 16221), (373, 16233), (374, 16239), (390, 16287), (394, 16299), (395, 16305), (423, 16365), (427, 16377), (443, 16413), (445, 16425), (469, 16500), (471, 16509), (478, 16527), (479, 16533), (487, 16563), (529, 16668), (532, 16677), (533, 16680), (543, 16716), (562, 16794), (585, 16893), (592, 16914), (600, 16947), (609, 16977), (616, 17007), (619, 17016), (621, 17022), (631, 17037), (632, 17040), (638, 17064), (648, 17094), (652, 17106), (657, 17136), (667, 17178),

Gene: CaramellLatte_18 Start: 15395, Stop: 17095, Start Num: 73

Candidate Starts for CaramellLatte_18:

(Start: 73 @15395 has 9 MA's), (Start: 77 @15398 has 39 MA's), (135, 15500), (138, 15512), (178, 15608), (206, 15692), (243, 15782), (261, 15842), (271, 15869), (283, 15899), (284, 15902), (307, 15971), (345, 16004), (349, 16016), (350, 16019), (356, 16040), (358, 16043), (381, 16109), (385, 16121), (443, 16286), (485, 16436), (490, 16451), (497, 16469), (511, 16526), (561, 16667), (563, 16673), (566, 16685), (569, 16694), (585, 16766), (586, 16769), (588, 16775), (592, 16787), (620, 16892), (623, 16901), (633, 16934),

Gene: Carcharodon_18 Start: 14989, Stop: 16698, Start Num: 86

Candidate Starts for Carcharodon_18:

(Start: 86 @14989 has 47 MA's), (104, 15016), (Start: 158 @15121 has 2 MA's), (161, 15133), (171, 15169), (190, 15220), (199, 15250), (201, 15256), (209, 15283), (211, 15289), (254, 15409), (273, 15463), (276, 15469), (283, 15487), (287, 15499), (288, 15502), (294, 15523), (307, 15565), (319, 15598), (346, 15649), (350, 15664), (367, 15706), (373, 15721), (374, 15727), (390, 15775), (396, 15799), (406, 15829), (423, 15853), (445, 15913), (448, 15925), (464, 15979), (469, 15988), (486, 16048), (487, 16051), (529, 16156), (532, 16165), (543, 16204), (577, 16342), (615, 16492), (616, 16495), (619, 16504), (631, 16525), (638, 16552), (650, 16588), (673, 16681),

Gene: Cardigan_47 Start: 30787, Stop: 32481, Start Num: 69

Candidate Starts for Cardigan_47:

(Start: 69 @30787 has 2 MA's), (110, 30853), (114, 30859), (139, 30916), (201, 31075), (205, 31087), (255, 31213), (272, 31261), (350, 31411), (371, 31462), (374, 31474), (376, 31480), (427, 31621), (433, 31636), (509, 31903), (558, 32032), (560, 32038), (561, 32047), (578, 32110), (586, 32149), (589, 32158), (601, 32206), (630, 32281), (647, 32341), (658, 32389), (664, 32416), (666, 32425), (667, 32428),

Gene: CarolAnn_19 Start: 16617, Stop: 18263, Start Num: 93

Candidate Starts for CarolAnn_19:

(71, 16581), (Start: 93 @16617 has 51 MA's), (144, 16719), (173, 16797), (Start: 179 @16800 has 11 MA's), (219, 16896), (233, 16935), (262, 17016), (283, 17070), (288, 17085), (374, 17256), (385, 17286), (451, 17469), (456, 17493), (475, 17544), (502, 17637), (507, 17649), (516, 17694), (520, 17709), (559, 17841), (560, 17844), (583, 17943), (588, 17961), (601, 18012), (622, 18072), (624, 18078), (643, 18141), (648, 18153),

Gene: Carsonalex_19 Start: 15787, Stop: 17487, Start Num: 73

Candidate Starts for Carsonalex_19:

(Start: 73 @15787 has 9 MA's), (Start: 77 @15790 has 39 MA's), (178, 16000), (220, 16123), (243, 16174), (271, 16261), (288, 16306), (291, 16318), (345, 16396), (349, 16408), (358, 16435), (370, 16468), (381, 16501), (385, 16513), (396, 16555), (443, 16678), (462, 16750), (485, 16828), (490, 16843), (497, 16861), (511, 16918), (550, 17011), (559, 17047), (561, 17059), (563, 17065), (566, 17077), (569, 17086), (585, 17158), (586, 17161), (588, 17167), (592, 17179), (608, 17239), (620, 17284), (623, 17293), (633, 17326), (652, 17392),

Gene: Cashline_20 Start: 17390, Stop: 19096, Start Num: 51

Candidate Starts for Cashline_20:

(Start: 44 @17366 has 1 MA's), (Start: 51 @17390 has 25 MA's), (124, 17537), (169, 17612), (220, 17726), (271, 17873), (274, 17879), (363, 18062), (391, 18137), (484, 18419), (491, 18440), (511, 18515), (541, 18602), (555, 18638), (561, 18671), (563, 18677), (579, 18743), (586, 18773), (631, 18929), (633, 18935), (637, 18953), (665, 19064),

Gene: Catdawg_56 Start: 33524, Stop: 35260, Start Num: 67

Candidate Starts for Catdawg_56:

(Start: 63 @33515 has 2 MA's), (Start: 67 @33524 has 29 MA's), (122, 33614), (170, 33731), (184, 33767), (191, 33788), (199, 33815), (201, 33821), (217, 33875), (236, 33926), (287, 34064), (289, 34070), (304, 34121), (305, 34124), (311, 34142), (346, 34193), (353, 34214), (354, 34217), (373, 34265), (374, 34271), (390, 34319), (392, 34325), (394, 34331), (415, 34391), (423, 34415), (424, 34418), (443, 34463), (446, 34478), (448, 34487), (451, 34496), (464, 34541), (471, 34559), (481, 34592), (533, 34730), (538, 34751), (557, 34817), (563, 34847), (576, 34901), (585, 34943), (592, 34964), (596, 34985), (600, 34997), (606, 35018), (621, 35072), (650, 35150), (657, 35186), (662, 35207), (668, 35234),

Gene: Catfish_22 Start: 18471, Stop: 19802, Start Num: 179

Candidate Starts for Catfish_22:

(Start: 179 @18471 has 11 MA's), (226, 18603), (240, 18633), (259, 18690), (270, 18723), (292, 18792), (297, 18810), (333, 18891), (384, 18930), (403, 18996), (408, 19005), (420, 19014), (443, 19071), (463, 19116), (473, 19134), (484, 19170), (509, 19251), (515, 19287), (592, 19506), (609, 19566), (635, 19647), (639, 19662), (648, 19692), (651, 19701),

Gene: Cerasum_17 Start: 14635, Stop: 16344, Start Num: 83

Candidate Starts for Cerasum_17:

(Start: 83 @14635 has 222 MA's), (134, 14722), (Start: 158 @14767 has 2 MA's), (165, 14791), (199, 14896), (201, 14902), (206, 14920), (215, 14950), (254, 15055), (276, 15115), (284, 15136), (287, 15145), (294, 15169), (319, 15244), (320, 15247), (346, 15295), (350, 15310), (353, 15316), (367, 15352), (368, 15355), (373, 15367), (374, 15373), (390, 15421), (394, 15433), (395, 15439), (423, 15499), (427, 15511), (443, 15547), (445, 15559), (469, 15634), (471, 15643), (478, 15661), (479, 15667), (487, 15697), (529, 15802), (532, 15811), (533, 15814), (543, 15850), (562, 15928), (585, 16027), (592, 16048), (600, 16081), (609, 16111), (616, 16141), (619, 16150), (621, 16156), (631, 16171), (632, 16174), (638, 16198), (648, 16228), (652, 16240), (657, 16270), (667, 16312),

Gene: Charlie_18 Start: 14989, Stop: 16698, Start Num: 86

Candidate Starts for Charlie_18:

(Start: 86 @14989 has 47 MA's), (104, 15016), (Start: 158 @15121 has 2 MA's), (161, 15133), (171, 15169), (190, 15220), (199, 15250), (201, 15256), (209, 15283), (211, 15289), (254, 15409), (273, 15463), (276, 15469), (283, 15487), (287, 15499), (288, 15502), (294, 15523), (307, 15565), (319, 15598), (346, 15649), (350, 15664), (367, 15706), (373, 15721), (374, 15727), (390, 15775), (396, 15799), (406, 15829), (423, 15853), (445, 15913), (448, 15925), (464, 15979), (469, 15988), (486, 16048), (487, 16051), (529, 16156), (532, 16165), (543, 16204), (577, 16342), (615, 16492), (616, 16495), (619, 16504), (631, 16525), (638, 16552), (650, 16588), (673, 16681),

Gene: Che8_16 Start: 14833, Stop: 16542, Start Num: 83

Candidate Starts for Che8_16:

(Start: 83 @14833 has 222 MA's), (134, 14920), (143, 14941), (Start: 158 @14965 has 2 MA's), (165, 14989), (170, 15010), (199, 15094), (201, 15100), (206, 15118), (215, 15148), (254, 15253), (276, 15313), (284, 15334), (287, 15343), (292, 15361), (294, 15367), (319, 15442), (346, 15493), (350, 15508), (353, 15514), (367, 15550), (368, 15553), (373, 15565), (374, 15571), (390, 15619), (394, 15631), (395, 15637), (423, 15697), (427, 15709), (443, 15745), (445, 15757), (469, 15832), (471, 15841), (478, 15859), (479, 15865), (487, 15895), (529, 16000), (532, 16009), (533, 16012), (543, 16048), (553, 16084), (554, 16087), (562, 16126), (585, 16225), (592, 16246), (600, 16279), (609, 16309), (615, 16336), (616, 16339), (619, 16348), (621, 16354), (631, 16369), (632, 16372), (637, 16393), (638, 16396), (652, 16438), (657, 16468), (667, 16510),

Gene: CheeseSpider_22 Start: 17016, Stop: 18662, Start Num: 93

Candidate Starts for CheeseSpider_22:

(71, 16980), (Start: 93 @17016 has 51 MA's), (144, 17118), (173, 17196), (219, 17295), (233, 17334), (255, 17394), (262, 17415), (277, 17451), (283, 17469), (288, 17484), (298, 17517), (326, 17565), (331, 17568), (374, 17655), (385, 17685), (451, 17868), (456, 17892), (502, 18036), (507, 18048), (520, 18108), (559, 18240), (560, 18243), (583, 18342), (588, 18360), (601, 18411), (622, 18471), (624, 18477), (643, 18540), (648, 18552),

Gene: CherryonLim_19 Start: 16167, Stop: 17864, Start Num: 73

Candidate Starts for CherryonLim_19:

(Start: 73 @16167 has 9 MA's), (Start: 77 @16170 has 39 MA's), (135, 16269), (154, 16311), (164, 16332), (243, 16551), (283, 16668), (291, 16695), (307, 16740), (332, 16758), (345, 16773), (350, 16788), (370, 16845), (381, 16878), (385, 16890), (412, 16977), (422, 16995), (432, 17025), (443, 17055), (446, 17070), (458, 17118), (475, 17169), (485, 17205), (490, 17220), (497, 17238), (511,

17295), (559, 17424), (561, 17436), (585, 17535), (586, 17538), (592, 17556), (612, 17634), (620, 17661), (633, 17703), (669, 17850), (673, 17856),

Gene: Chevrolet_16 Start: 14845, Stop: 16554, Start Num: 83

Candidate Starts for Chevrolet_16:

(Start: 83 @14845 has 222 MA's), (134, 14932), (Start: 158 @14977 has 2 MA's), (165, 15001), (199, 15106), (201, 15112), (206, 15130), (215, 15160), (254, 15265), (276, 15325), (284, 15346), (287, 15355), (292, 15373), (294, 15379), (319, 15454), (322, 15466), (328, 15481), (331, 15487), (346, 15505), (350, 15520), (353, 15526), (360, 15547), (367, 15562), (368, 15565), (373, 15577), (374, 15583), (390, 15631), (394, 15643), (395, 15649), (423, 15709), (427, 15721), (443, 15757), (445, 15769), (446, 15772), (451, 15790), (469, 15844), (471, 15853), (478, 15871), (479, 15877), (529, 16012), (532, 16021), (533, 16024), (543, 16060), (554, 16099), (562, 16138), (585, 16237), (592, 16258), (600, 16291), (609, 16321), (616, 16351), (618, 16357), (619, 16360), (621, 16366), (631, 16381), (632, 16384), (638, 16408), (652, 16450), (667, 16522), (668, 16528),

Gene: Chewbacca_18 Start: 14989, Stop: 16698, Start Num: 86

Candidate Starts for Chewbacca_18:

(Start: 86 @14989 has 47 MA's), (104, 15016), (Start: 158 @15121 has 2 MA's), (161, 15133), (171, 15169), (190, 15220), (199, 15250), (201, 15256), (209, 15283), (211, 15289), (254, 15409), (273, 15463), (276, 15469), (283, 15487), (287, 15499), (288, 15502), (294, 15523), (307, 15565), (319, 15598), (346, 15649), (350, 15664), (367, 15706), (373, 15721), (374, 15727), (390, 15775), (396, 15799), (406, 15829), (423, 15853), (445, 15913), (448, 15925), (464, 15979), (469, 15988), (486, 16048), (487, 16051), (529, 16156), (532, 16165), (543, 16204), (577, 16342), (615, 16492), (616, 16495), (619, 16504), (631, 16525), (638, 16552), (650, 16588), (673, 16681),

Gene: ChewyVIII_56 Start: 38189, Stop: 39760, Start Num: 98

Candidate Starts for ChewyVIII_56:

(58, 38114), (Start: 98 @38189 has 1 MA's), (162, 38300), (171, 38333), (193, 38396), (244, 38519), (253, 38549), (261, 38573), (274, 38606), (283, 38630), (310, 38702), (342, 38753), (374, 38810), (392, 38864), (408, 38915), (467, 39083), (484, 39125), (513, 39227), (560, 39338), (571, 39386), (592, 39467), (601, 39506), (630, 39581), (635, 39599), (638, 39611), (657, 39686), (661, 39698), (664, 39716),

Gene: Chickadee_32 Start: 27527, Stop: 29146, Start Num: 92

Candidate Starts for Chickadee_32:

(Start: 92 @27527 has 11 MA's), (106, 27548), (137, 27611), (186, 27734), (190, 27746), (214, 27803), (247, 27881), (288, 28004), (354, 28118), (366, 28148), (381, 28190), (398, 28253), (423, 28301), (426, 28310), (445, 28361), (457, 28409), (507, 28574), (513, 28604), (557, 28703), (558, 28712), (559, 28715), (570, 28760), (582, 28817), (583, 28823), (584, 28829), (597, 28877), (600, 28886), (601, 28892), (602, 28895), (620, 28946), (635, 28991), (653, 29060), (664, 29108), (667, 29120),

Gene: ChickenDinner_17 Start: 14677, Stop: 16386, Start Num: 83

Candidate Starts for ChickenDinner_17:

(Start: 83 @14677 has 222 MA's), (134, 14764), (Start: 158 @14809 has 2 MA's), (165, 14833), (199, 14938), (201, 14944), (206, 14962), (209, 14971), (215, 14992), (254, 15097), (276, 15157), (279, 15166), (284, 15178), (287, 15187), (294, 15211), (305, 15247), (307, 15253), (311, 15265), (319, 15286), (320, 15289), (322, 15298), (328, 15313), (331, 15319), (346, 15337), (350, 15352), (353, 15358), (359, 15376), (360, 15379), (367, 15394), (373, 15409), (374, 15415), (390, 15463), (394, 15475), (395, 15481), (423, 15541), (427, 15553), (430, 15562), (443, 15589), (445, 15601), (469, 15676), (471, 15685), (478, 15703), (479, 15709), (487, 15739), (529, 15844), (532, 15853), (533, 15856), (543, 15892), (562, 15970), (585, 16069), (592, 16090), (600, 16123), (609, 16153), (616, 16183), (618, 16189), (619, 16192), (621, 16198), (631, 16213), (632, 16216), (637, 16237), (638, 16240), (652, 16282), (667, 16354), (668, 16360),

Gene: ChickenTender_20 Start: 15797, Stop: 17494, Start Num: 77

Candidate Starts for ChickenTender_20:

(Start: 73 @15794 has 9 MA's), (Start: 77 @15797 has 39 MA's), (178, 16007), (243, 16181), (261, 16241), (271, 16268), (283, 16298), (284, 16301), (290, 16319), (291, 16325), (300, 16355), (345, 16403), (349, 16415), (358, 16442), (381, 16508), (385, 16520), (432, 16655), (443, 16685), (462, 16757), (485, 16835), (490, 16850), (497, 16868), (511, 16925), (561, 17066), (563, 17072), (566, 17084), (569, 17093), (585, 17165), (586, 17168), (588, 17174), (592, 17186), (608, 17246), (616, 17279), (620, 17291), (623, 17300), (633, 17333), (652, 17399), (664, 17459),

Gene: ChocoMunchkin_18 Start: 15395, Stop: 17095, Start Num: 73

Candidate Starts for ChocoMunchkin_18:

(Start: 73 @15395 has 9 MA's), (Start: 77 @15398 has 39 MA's), (135, 15500), (138, 15512), (178, 15608), (206, 15692), (243, 15782), (261, 15842), (271, 15869), (283, 15899), (284, 15902), (307, 15971), (345, 16004), (349, 16016), (350, 16019), (356, 16040), (358, 16043), (381, 16109), (385, 16121), (443, 16286), (485, 16436), (490, 16451), (497, 16469), (511, 16526), (561, 16667), (563, 16673), (566, 16685), (569, 16694), (585, 16766), (586, 16769), (588, 16775), (592, 16787), (620, 16892), (623, 16901), (633, 16934),

Gene: Chop_22 Start: 17878, Stop: 19584, Start Num: 93

Candidate Starts for Chop_22:

(56, 17803), (Start: 93 @17878 has 51 MA's), (138, 17971), (144, 17986), (148, 17992), (Start: 179 @18067 has 11 MA's), (202, 18139), (241, 18250), (255, 18295), (261, 18313), (266, 18325), (350, 18496), (354, 18505), (355, 18511), (390, 18607), (403, 18658), (448, 18781), (458, 18820), (499, 18952), (531, 19066), (558, 19153), (585, 19267), (588, 19276), (620, 19381), (649, 19468), (678, 19576),

Gene: ChosenOne_23 Start: 18953, Stop: 20632, Start Num: 87

Candidate Starts for ChosenOne_23:

(Start: 87 @18953 has 85 MA's), (Start: 132 @19037 has 48 MA's), (Start: 167 @19115 has 1 MA's), (195, 19202), (201, 19217), (215, 19265), (229, 19304), (261, 19391), (274, 19424), (287, 19460), (295, 19490), (297, 19496), (321, 19565), (348, 19595), (351, 19607), (353, 19610), (374, 19667), (424, 19799), (426, 19805), (449, 19871), (451, 19877), (456, 19901), (471, 19949), (479, 19973), (481, 19982), (502, 20057), (532, 20108), (536, 20123), (578, 20285), (583, 20312), (592, 20342), (620, 20447), (650, 20525), (657, 20561), (660, 20570), (667, 20603), (673, 20618),

Gene: ChotaBhai_24 Start: 19079, Stop: 20674, Start Num: 132

Candidate Starts for ChotaBhai_24:

(Start: 87 @18995 has 85 MA's), (Start: 132 @19079 has 48 MA's), (Start: 167 @19157 has 1 MA's), (195, 19244), (201, 19259), (215, 19307), (229, 19346), (261, 19433), (274, 19466), (287, 19502), (295, 19532), (297, 19538), (321, 19607), (348, 19637), (351, 19649), (353, 19652), (374, 19709), (424, 19841), (426, 19847), (449, 19913), (451, 19919), (456, 19943), (471, 19991), (479, 20015), (481, 20024), (502, 20099), (532, 20150), (536, 20165), (578, 20327), (583, 20354), (592, 20384), (620, 20489), (650, 20567), (657, 20603), (660, 20612), (667, 20645), (673, 20660),

Gene: Chubbello_19 Start: 16384, Stop: 18120, Start Num: 80

Candidate Starts for Chubbello_19:

(Start: 65 @16360 has 2 MA's), (Start: 80 @16384 has 48 MA's), (115, 16444), (125, 16465), (127, 16468), (176, 16588), (190, 16627), (200, 16660), (207, 16684), (250, 16804), (261, 16843), (263, 16849), (292, 16933), (294, 16939), (297, 16951), (305, 16975), (315, 17002), (321, 17020), (337, 17059), (346, 17065), (354, 17089), (374, 17143), (379, 17155), (382, 17164), (398, 17224), (430, 17302), (445, 17341), (453, 17374), (471, 17440), (477, 17455), (479, 17464), (485, 17488), (495, 17518), (499, 17530), (540, 17632), (546, 17644), (547, 17647), (548, 17653), (549, 17662), (576,

17770), (596, 17854), (625, 17953), (660, 18061), (673, 18109),

Gene: Chuckly_16 Start: 14978, Stop: 16687, Start Num: 83

Candidate Starts for Chuckly_16:

(Start: 83 @14978 has 222 MA's), (134, 15065), (Start: 158 @15110 has 2 MA's), (165, 15134), (199, 15239), (201, 15245), (206, 15263), (215, 15293), (254, 15398), (276, 15458), (284, 15479), (287, 15488), (294, 15512), (319, 15587), (346, 15638), (350, 15653), (353, 15659), (367, 15695), (368, 15698), (373, 15710), (374, 15716), (390, 15764), (394, 15776), (395, 15782), (423, 15842), (427, 15854), (443, 15890), (445, 15902), (469, 15977), (471, 15986), (478, 16004), (479, 16010), (487, 16040), (529, 16145), (532, 16154), (533, 16157), (543, 16193), (562, 16271), (585, 16370), (592, 16391), (600, 16424), (609, 16454), (616, 16484), (619, 16493), (621, 16499), (631, 16514), (632, 16517), (638, 16541), (648, 16571), (652, 16583), (657, 16613), (667, 16655),

Gene: Cjw1_24 Start: 20668, Stop: 22185, Start Num: 167

Candidate Starts for Cjw1_24:

(Start: 87 @20506 has 85 MA's), (Start: 132 @20590 has 48 MA's), (Start: 167 @20668 has 1 MA's), (195, 20755), (201, 20770), (215, 20818), (229, 20857), (261, 20944), (274, 20977), (287, 21013), (295, 21043), (297, 21049), (321, 21118), (348, 21148), (351, 21160), (353, 21163), (374, 21220), (424, 21352), (426, 21358), (449, 21424), (451, 21430), (456, 21454), (471, 21502), (479, 21526), (481, 21535), (502, 21610), (532, 21661), (536, 21676), (578, 21838), (583, 21865), (592, 21895), (620, 22000), (650, 22078), (657, 22114), (660, 22123), (667, 22156), (673, 22171),

Gene: Clank_16 Start: 14961, Stop: 16670, Start Num: 83

Candidate Starts for Clank_16:

(Start: 83 @14961 has 222 MA's), (134, 15048), (Start: 158 @15093 has 2 MA's), (165, 15117), (199, 15222), (201, 15228), (206, 15246), (215, 15276), (254, 15381), (276, 15441), (284, 15462), (287, 15471), (294, 15495), (346, 15621), (350, 15636), (353, 15642), (367, 15678), (368, 15681), (373, 15693), (374, 15699), (390, 15747), (394, 15759), (395, 15765), (423, 15825), (427, 15837), (443, 15873), (445, 15885), (469, 15960), (471, 15969), (478, 15987), (479, 15993), (487, 16023), (529, 16128), (532, 16137), (533, 16140), (543, 16176), (562, 16254), (585, 16353), (592, 16374), (600, 16407), (609, 16437), (616, 16467), (619, 16476), (621, 16482), (631, 16497), (632, 16500), (638, 16524), (648, 16554), (652, 16566), (657, 16596), (667, 16638),

Gene: Clap_17 Start: 14758, Stop: 16467, Start Num: 100

Candidate Starts for Clap_17:

(Start: 100 @14758 has 33 MA's), (157, 14875), (205, 15025), (220, 15064), (225, 15079), (253, 15148), (257, 15160), (283, 15238), (284, 15241), (333, 15373), (352, 15427), (380, 15508), (397, 15568), (398, 15574), (400, 15580), (442, 15661), (451, 15697), (463, 15733), (473, 15751), (485, 15790), (508, 15862), (512, 15886), (583, 16120), (587, 16135), (598, 16177), (623, 16270), (624, 16273), (637, 16321), (645, 16351),

Gene: Clark_20 Start: 17346, Stop: 18926, Start Num: 99

Candidate Starts for Clark_20:

(46, 17229), (Start: 99 @17346 has 65 MA's), (214, 17604), (221, 17625), (246, 17679), (257, 17718), (275, 17775), (283, 17796), (381, 17967), (387, 17985), (394, 18009), (398, 18030), (423, 18072), (451, 18153), (484, 18243), (499, 18288), (512, 18345), (513, 18348), (534, 18402), (562, 18492), (635, 18771), (637, 18780), (645, 18810),

Gene: Cleo_18 Start: 15991, Stop: 17682, Start Num: 77

Candidate Starts for Cleo_18:

(Start: 77 @15991 has 39 MA's), (138, 16105), (156, 16138), (225, 16339), (243, 16375), (271, 16462), (307, 16564), (345, 16597), (349, 16609), (350, 16612), (370, 16669), (381, 16702), (386, 16717), (394, 16744), (404, 16783), (422, 16819), (424, 16825), (443, 16879), (448, 16903), (458, 16942),

(460, 16948), (484, 17020), (490, 17038), (493, 17047), (497, 17056), (511, 17113), (514, 17131), (559, 17242), (561, 17254), (569, 17281), (585, 17353), (586, 17356), (612, 17452), (620, 17479), (628, 17503), (633, 17521),

Gene: Clifton_16 Start: 14762, Stop: 16471, Start Num: 83

Candidate Starts for Clifton_16:

(Start: 83 @14762 has 222 MA's), (134, 14849), (Start: 158 @14894 has 2 MA's), (165, 14918), (199, 15023), (201, 15029), (206, 15047), (215, 15077), (254, 15182), (276, 15242), (284, 15263), (287, 15272), (294, 15296), (346, 15422), (350, 15437), (353, 15443), (367, 15479), (368, 15482), (373, 15494), (374, 15500), (390, 15548), (394, 15560), (395, 15566), (423, 15626), (427, 15638), (443, 15674), (445, 15686), (469, 15761), (471, 15770), (478, 15788), (479, 15794), (487, 15824), (529, 15929), (532, 15938), (533, 15941), (543, 15977), (562, 16055), (585, 16154), (592, 16175), (600, 16208), (609, 16238), (616, 16268), (619, 16277), (621, 16283), (631, 16298), (632, 16301), (638, 16325), (648, 16355), (652, 16367), (657, 16397), (667, 16439),

Gene: ClubL_48 Start: 29531, Stop: 31222, Start Num: 74

Candidate Starts for ClubL_48:

(Start: 74 @29531 has 17 MA's), (110, 29591), (129, 29624), (139, 29657), (190, 29783), (201, 29816), (204, 29825), (255, 29954), (272, 30002), (374, 30215), (376, 30221), (385, 30245), (433, 30374), (443, 30395), (451, 30428), (502, 30626), (560, 30779), (583, 30878), (586, 30890), (589, 30899), (614, 30983), (658, 31130), (666, 31166), (669, 31178),

Gene: Coco12_18 Start: 15204, Stop: 16913, Start Num: 83

Candidate Starts for Coco12_18:

(Start: 83 @15204 has 222 MA's), (134, 15291), (Start: 158 @15336 has 2 MA's), (165, 15360), (199, 15465), (201, 15471), (206, 15489), (215, 15519), (254, 15624), (276, 15684), (284, 15705), (287, 15714), (294, 15738), (319, 15813), (320, 15816), (346, 15864), (350, 15879), (353, 15885), (367, 15921), (368, 15924), (373, 15936), (374, 15942), (390, 15990), (394, 16002), (395, 16008), (423, 16068), (427, 16080), (443, 16116), (445, 16128), (469, 16203), (471, 16212), (478, 16230), (479, 16236), (487, 16266), (529, 16371), (532, 16380), (533, 16383), (543, 16419), (562, 16497), (585, 16596), (592, 16617), (600, 16650), (609, 16680), (616, 16710), (619, 16719), (621, 16725), (631, 16740), (632, 16743), (648, 16797), (652, 16809), (657, 16839), (667, 16881),

Gene: CocoaPuff_17 Start: 15415, Stop: 17109, Start Num: 77

Candidate Starts for CocoaPuff_17:

(Start: 73 @15412 has 9 MA's), (Start: 77 @15415 has 39 MA's), (135, 15514), (154, 15556), (243, 15796), (271, 15883), (280, 15904), (283, 15913), (291, 15940), (307, 15985), (345, 16018), (350, 16033), (358, 16057), (370, 16090), (381, 16123), (385, 16135), (401, 16192), (422, 16240), (432, 16270), (443, 16300), (446, 16315), (458, 16363), (475, 16414), (485, 16450), (490, 16465), (497, 16483), (511, 16540), (513, 16549), (559, 16669), (561, 16681), (574, 16729), (585, 16780), (586, 16783), (592, 16801), (612, 16879), (620, 16906), (633, 16948), (669, 17095), (673, 17101),

Gene: CoffeeBean_45 Start: 31300, Stop: 32874, Start Num: 99

Candidate Starts for CoffeeBean_45:

(Start: 99 @31300 has 65 MA's), (104, 31309), (135, 31363), (151, 31387), (153, 31390), (254, 31660), (278, 31723), (283, 31738), (335, 31855), (342, 31870), (374, 31927), (378, 31936), (391, 31978), (396, 31999), (407, 32029), (429, 32086), (453, 32161), (492, 32257), (517, 32362), (518, 32365), (533, 32392), (563, 32470), (573, 32509), (620, 32665), (639, 32731),

Gene: Command613_25 Start: 20014, Stop: 21693, Start Num: 87

Candidate Starts for Command613_25:

(Start: 87 @20014 has 85 MA's), (Start: 132 @20098 has 48 MA's), (Start: 167 @20176 has 1 MA's), (195, 20263), (201, 20278), (215, 20326), (229, 20365), (261, 20452), (274, 20485), (287, 20521),

(295, 20551), (297, 20557), (321, 20626), (348, 20656), (351, 20668), (353, 20671), (374, 20728), (424, 20860), (426, 20866), (449, 20932), (451, 20938), (456, 20962), (471, 21010), (479, 21034), (481, 21043), (502, 21118), (532, 21169), (536, 21184), (578, 21346), (583, 21373), (592, 21403), (620, 21508), (650, 21586), (657, 21622), (660, 21631), (667, 21664), (673, 21679),

Gene: Commandaria_43 Start: 31143, Stop: 32756, Start Num: 91

Candidate Starts for Commandaria_43:

(Start: 91 @31143 has 39 MA's), (Start: 117 @31179 has 1 MA's), (124, 31197), (138, 31230), (153, 31257), (227, 31458), (253, 31524), (278, 31590), (283, 31605), (327, 31716), (340, 31746), (342, 31749), (371, 31794), (374, 31806), (390, 31854), (391, 31857), (438, 31983), (451, 32028), (452, 32031), (463, 32070), (483, 32118), (517, 32244), (534, 32280), (585, 32445), (592, 32466), (613, 32535), (633, 32589), (639, 32613), (657, 32685), (673, 32742),

Gene: Confidence_20 Start: 17560, Stop: 19266, Start Num: 51

Candidate Starts for Confidence_20:

(Start: 44 @17536 has 1 MA's), (Start: 51 @17560 has 25 MA's), (103, 17665), (124, 17707), (169, 17782), (220, 17896), (271, 18043), (274, 18049), (363, 18232), (391, 18307), (460, 18514), (484, 18589), (491, 18610), (511, 18685), (541, 18772), (555, 18808), (557, 18817), (561, 18841), (563, 18847), (579, 18913), (586, 18943), (631, 19099), (633, 19105), (637, 19123), (665, 19234),

Gene: Constella_31 Start: 26122, Stop: 28120, Start Num: 84

Candidate Starts for Constella_31:

(Start: 84 @26122 has 30 MA's), (Start: 132 @26212 has 48 MA's), (155, 26260), (165, 26290), (173, 26317), (207, 26419), (216, 26449), (252, 26548), (263, 26584), (265, 26590), (274, 26611), (297, 26683), (300, 26692), (307, 26713), (331, 26782), (353, 26821), (354, 26824), (359, 26839), (374, 26878), (390, 26926), (394, 26938), (395, 26944), (413, 26992), (416, 27001), (424, 27022), (430, 27040), (447, 27088), (478, 27190), (495, 27250), (499, 27262), (510, 27307), (512, 27319), (522, 27454), (523, 27460), (524, 27484), (525, 27556), (527, 27583), (593, 27832),

Gene: Contagion_23 Start: 19253, Stop: 20932, Start Num: 87

Candidate Starts for Contagion_23:

(Start: 87 @19253 has 85 MA's), (Start: 132 @19337 has 48 MA's), (Start: 167 @19415 has 1 MA's), (195, 19502), (201, 19517), (215, 19565), (229, 19604), (261, 19691), (274, 19724), (287, 19760), (295, 19790), (297, 19796), (321, 19865), (348, 19895), (351, 19907), (353, 19910), (374, 19967), (424, 20099), (426, 20105), (449, 20171), (451, 20177), (456, 20201), (471, 20249), (479, 20273), (481, 20282), (502, 20357), (532, 20408), (536, 20423), (578, 20585), (583, 20612), (592, 20642), (620, 20747), (650, 20825), (657, 20861), (660, 20870), (667, 20903), (673, 20918),

Gene: Cookies_24 Start: 19615, Stop: 21294, Start Num: 87

Candidate Starts for Cookies_24:

(Start: 87 @19615 has 85 MA's), (Start: 132 @19699 has 48 MA's), (Start: 167 @19777 has 1 MA's), (195, 19864), (201, 19879), (215, 19927), (229, 19966), (261, 20053), (274, 20086), (287, 20122), (295, 20152), (297, 20158), (321, 20227), (348, 20257), (351, 20269), (353, 20272), (374, 20329), (424, 20461), (426, 20467), (449, 20533), (451, 20539), (456, 20563), (471, 20611), (479, 20635), (481, 20644), (502, 20719), (532, 20770), (536, 20785), (578, 20947), (583, 20974), (592, 21004), (620, 21109), (650, 21187), (657, 21223), (660, 21232), (667, 21265), (673, 21280),

Gene: Corium_16 Start: 14843, Stop: 16552, Start Num: 83

Candidate Starts for Corium_16:

(Start: 83 @14843 has 222 MA's), (134, 14930), (Start: 158 @14975 has 2 MA's), (165, 14999), (199, 15104), (201, 15110), (206, 15128), (215, 15158), (254, 15263), (276, 15323), (284, 15344), (287, 15353), (292, 15371), (294, 15377), (346, 15503), (350, 15518), (353, 15524), (367, 15560), (368, 15563), (373, 15575), (374, 15581), (390, 15629), (394, 15641), (395, 15647), (423, 15707), (427,

15719), (443, 15755), (445, 15767), (469, 15842), (471, 15851), (478, 15869), (479, 15875), (487, 15905), (529, 16010), (532, 16019), (533, 16022), (543, 16058), (562, 16136), (585, 16235), (592, 16256), (600, 16289), (609, 16319), (616, 16349), (619, 16358), (621, 16364), (631, 16379), (632, 16382), (638, 16406), (648, 16436), (652, 16448), (657, 16478), (667, 16520),

Gene: Corndog_59 Start: 34518, Stop: 36254, Start Num: 67

Candidate Starts for Corndog_59:

(Start: 63 @34509 has 2 MA's), (Start: 67 @34518 has 29 MA's), (122, 34608), (170, 34725), (184, 34761), (191, 34782), (199, 34809), (201, 34815), (210, 34845), (217, 34869), (236, 34920), (287, 35058), (289, 35064), (304, 35115), (305, 35118), (311, 35136), (346, 35187), (353, 35208), (354, 35211), (373, 35259), (374, 35265), (390, 35313), (392, 35319), (394, 35325), (415, 35385), (423, 35409), (424, 35412), (443, 35457), (446, 35472), (448, 35481), (451, 35490), (464, 35535), (471, 35553), (481, 35586), (533, 35724), (538, 35745), (557, 35811), (563, 35841), (576, 35895), (585, 35937), (592, 35958), (596, 35979), (600, 35991), (606, 36012), (621, 36066), (650, 36144), (657, 36180), (662, 36201), (668, 36228),

Gene: Cornucopia_17 Start: 14844, Stop: 16553, Start Num: 83

Candidate Starts for Cornucopia_17:

(Start: 83 @14844 has 222 MA's), (134, 14931), (Start: 158 @14976 has 2 MA's), (165, 15000), (199, 15105), (201, 15111), (206, 15129), (215, 15159), (254, 15264), (276, 15324), (284, 15345), (287, 15354), (294, 15378), (319, 15453), (346, 15504), (350, 15519), (353, 15525), (367, 15561), (368, 15564), (373, 15576), (374, 15582), (390, 15630), (394, 15642), (395, 15648), (423, 15708), (427, 15720), (443, 15756), (445, 15768), (469, 15843), (471, 15852), (478, 15870), (479, 15876), (487, 15906), (529, 16011), (533, 16023), (543, 16059), (562, 16137), (585, 16236), (592, 16257), (600, 16290), (609, 16320), (616, 16350), (619, 16359), (621, 16365), (631, 16380), (632, 16383), (638, 16407), (652, 16449), (667, 16521),

Gene: Courthouse_34 Start: 25078, Stop: 26811, Start Num: 84

Candidate Starts for Courthouse_34:

(Start: 84 @25078 has 30 MA's), (Start: 132 @25168 has 48 MA's), (134, 25171), (165, 25246), (173, 25273), (195, 25339), (207, 25375), (216, 25405), (220, 25420), (252, 25504), (263, 25540), (274, 25567), (288, 25606), (297, 25639), (300, 25648), (320, 25705), (336, 25747), (371, 25822), (374, 25834), (394, 25894), (413, 25948), (424, 25978), (430, 25996), (435, 26005), (446, 26038), (449, 26050), (451, 26056), (462, 26095), (479, 26152), (536, 26302), (540, 26320), (553, 26362), (558, 26386), (559, 26389), (562, 26404), (570, 26434), (578, 26464), (592, 26521), (640, 26671), (669, 26791), (673, 26797),

Gene: Cozz_18 Start: 15733, Stop: 17430, Start Num: 77

Candidate Starts for Cozz_18:

(Start: 73 @15730 has 9 MA's), (Start: 77 @15733 has 39 MA's), (178, 15943), (220, 16066), (243, 16117), (271, 16204), (283, 16234), (288, 16249), (291, 16261), (345, 16339), (349, 16351), (358, 16378), (370, 16411), (381, 16444), (385, 16456), (396, 16498), (443, 16621), (462, 16693), (485, 16771), (490, 16786), (497, 16804), (511, 16861), (550, 16954), (559, 16990), (561, 17002), (563, 17008), (566, 17020), (569, 17029), (585, 17101), (586, 17104), (588, 17110), (592, 17122), (608, 17182), (620, 17227), (623, 17236), (633, 17269), (652, 17335),

Gene: Cruella_31 Start: 28482, Stop: 30080, Start Num: 97

Candidate Starts for Cruella_31:

(Start: 97 @28482 has 8 MA's), (159, 28581), (183, 28650), (194, 28689), (244, 28824), (263, 28884), (329, 29037), (335, 29049), (339, 29058), (340, 29061), (370, 29106), (374, 29121), (378, 29130), (381, 29139), (396, 29193), (402, 29211), (425, 29265), (499, 29481), (528, 29574), (567, 29682), (580, 29736), (599, 29811), (639, 29940), (672, 30066),

Gene: Crumble_16 Start: 14809, Stop: 16518, Start Num: 83

Candidate Starts for Crumble_16:

(Start: 83 @14809 has 222 MA's), (134, 14896), (Start: 158 @14941 has 2 MA's), (165, 14965), (199, 15070), (201, 15076), (206, 15094), (215, 15124), (254, 15229), (276, 15289), (284, 15310), (287, 15319), (294, 15343), (319, 15418), (320, 15421), (346, 15469), (350, 15484), (353, 15490), (367, 15526), (368, 15529), (373, 15541), (374, 15547), (390, 15595), (394, 15607), (395, 15613), (423, 15673), (427, 15685), (443, 15721), (445, 15733), (469, 15808), (471, 15817), (478, 15835), (479, 15841), (487, 15871), (529, 15976), (532, 15985), (533, 15988), (543, 16024), (562, 16102), (585, 16201), (592, 16222), (600, 16255), (609, 16285), (616, 16315), (619, 16324), (621, 16330), (631, 16345), (632, 16348), (638, 16372), (648, 16402), (652, 16414), (657, 16444), (667, 16486),

Gene: CrystalP_24 Start: 19746, Stop: 21425, Start Num: 87

Candidate Starts for CrystalP_24:

(Start: 87 @19746 has 85 MA's), (Start: 132 @19830 has 48 MA's), (Start: 167 @19908 has 1 MA's), (195, 19995), (201, 20010), (215, 20058), (229, 20097), (261, 20184), (274, 20217), (287, 20253), (295, 20283), (297, 20289), (321, 20358), (348, 20388), (351, 20400), (353, 20403), (374, 20460), (424, 20592), (426, 20598), (449, 20664), (451, 20670), (456, 20694), (471, 20742), (479, 20766), (481, 20775), (502, 20850), (532, 20901), (536, 20916), (578, 21078), (583, 21105), (592, 21135), (620, 21240), (650, 21318), (657, 21354), (660, 21363), (667, 21396), (673, 21411),

Gene: Cubone_18 Start: 15011, Stop: 16720, Start Num: 86

Candidate Starts for Cubone_18:

(Start: 86 @15011 has 47 MA's), (104, 15038), (Start: 158 @15143 has 2 MA's), (161, 15155), (171, 15191), (190, 15242), (199, 15272), (201, 15278), (209, 15305), (211, 15311), (254, 15431), (273, 15485), (276, 15491), (283, 15509), (287, 15521), (288, 15524), (294, 15545), (307, 15587), (319, 15620), (346, 15671), (350, 15686), (367, 15728), (373, 15743), (374, 15749), (390, 15797), (396, 15821), (406, 15851), (423, 15875), (445, 15935), (448, 15947), (464, 16001), (469, 16010), (486, 16070), (487, 16073), (529, 16178), (532, 16187), (543, 16226), (577, 16364), (615, 16514), (616, 16517), (619, 16526), (631, 16547), (638, 16574), (650, 16610), (673, 16703),

Gene: Cucurbita_50 Start: 30901, Stop: 32592, Start Num: 74

Candidate Starts for Cucurbita_50:

(Start: 74 @30901 has 17 MA's), (110, 30961), (129, 30994), (139, 31027), (190, 31153), (201, 31186), (204, 31195), (255, 31324), (272, 31372), (374, 31585), (376, 31591), (385, 31615), (433, 31744), (443, 31765), (451, 31798), (502, 31996), (560, 32149), (583, 32248), (586, 32260), (589, 32269), (614, 32353), (658, 32500), (666, 32536), (669, 32548),

Gene: Culver_48 Start: 29340, Stop: 31031, Start Num: 74

Candidate Starts for Culver_48:

(Start: 74 @29340 has 17 MA's), (110, 29400), (129, 29433), (138, 29463), (139, 29466), (201, 29625), (204, 29634), (255, 29763), (272, 29811), (374, 30024), (376, 30030), (385, 30054), (433, 30183), (443, 30204), (451, 30237), (502, 30435), (560, 30588), (583, 30687), (586, 30699), (589, 30708), (614, 30792), (658, 30939), (666, 30975),

Gene: Cynthia_17 Start: 14758, Stop: 16467, Start Num: 100

Candidate Starts for Cynthia_17:

(Start: 100 @14758 has 33 MA's), (157, 14875), (205, 15025), (220, 15064), (225, 15079), (253, 15148), (257, 15160), (283, 15238), (284, 15241), (333, 15373), (352, 15427), (380, 15508), (397, 15568), (398, 15574), (400, 15580), (442, 15661), (451, 15697), (463, 15733), (473, 15751), (485, 15790), (508, 15862), (512, 15886), (583, 16120), (587, 16135), (598, 16177), (623, 16270), (624, 16273), (637, 16321), (645, 16351),

Gene: Czyszczonek_25 Start: 19491, Stop: 21170, Start Num: 87

Candidate Starts for Czyszczone1_25:

(Start: 87 @19491 has 85 MA's), (Start: 132 @19575 has 48 MA's), (Start: 167 @19653 has 1 MA's), (195, 19740), (201, 19755), (215, 19803), (229, 19842), (261, 19929), (274, 19962), (287, 19998), (295, 20028), (297, 20034), (321, 20103), (348, 20133), (351, 20145), (353, 20148), (374, 20205), (424, 20337), (426, 20343), (449, 20409), (451, 20415), (456, 20439), (471, 20487), (479, 20511), (481, 20520), (502, 20595), (532, 20646), (536, 20661), (578, 20823), (583, 20850), (592, 20880), (620, 20985), (650, 21063), (657, 21099), (660, 21108), (667, 21141), (673, 21156),

Gene: DLane_16 Start: 14795, Stop: 16504, Start Num: 83

Candidate Starts for DLane_16:

(Start: 83 @14795 has 222 MA's), (134, 14882), (Start: 158 @14927 has 2 MA's), (165, 14951), (199, 15056), (201, 15062), (206, 15080), (215, 15110), (254, 15215), (276, 15275), (284, 15296), (287, 15305), (294, 15329), (346, 15455), (350, 15470), (353, 15476), (367, 15512), (368, 15515), (373, 15527), (374, 15533), (390, 15581), (394, 15593), (395, 15599), (423, 15659), (427, 15671), (443, 15707), (445, 15719), (469, 15794), (471, 15803), (478, 15821), (479, 15827), (487, 15857), (529, 15962), (532, 15971), (533, 15974), (543, 16010), (562, 16088), (585, 16187), (592, 16208), (600, 16241), (609, 16271), (616, 16301), (619, 16310), (621, 16316), (631, 16331), (632, 16334), (638, 16358), (648, 16388), (652, 16400), (657, 16430), (667, 16472),

Gene: DRBy19_16 Start: 14836, Stop: 16545, Start Num: 83

Candidate Starts for DRBy19_16:

(Start: 83 @14836 has 222 MA's), (134, 14923), (Start: 158 @14968 has 2 MA's), (165, 14992), (184, 15049), (199, 15097), (201, 15103), (206, 15121), (215, 15151), (254, 15256), (273, 15310), (276, 15316), (279, 15325), (287, 15346), (294, 15370), (305, 15406), (307, 15412), (319, 15445), (320, 15448), (322, 15457), (328, 15472), (331, 15478), (346, 15496), (350, 15511), (353, 15517), (359, 15535), (360, 15538), (367, 15553), (373, 15568), (374, 15574), (390, 15622), (394, 15634), (395, 15640), (423, 15700), (427, 15712), (443, 15748), (445, 15760), (469, 15835), (471, 15844), (478, 15862), (479, 15868), (487, 15898), (529, 16003), (533, 16015), (543, 16051), (562, 16129), (592, 16249), (600, 16282), (609, 16312), (611, 16324), (616, 16342), (618, 16348), (619, 16351), (621, 16357), (631, 16372), (632, 16375), (637, 16396), (638, 16399), (652, 16441), (657, 16471), (667, 16513), (668, 16519),

Gene: DaWorst_18 Start: 15337, Stop: 17046, Start Num: 83

Candidate Starts for DaWorst_18:

(Start: 83 @15337 has 222 MA's), (134, 15424), (Start: 158 @15469 has 2 MA's), (165, 15493), (184, 15550), (199, 15598), (201, 15604), (206, 15622), (215, 15652), (254, 15757), (273, 15811), (276, 15817), (279, 15826), (287, 15847), (294, 15871), (305, 15907), (307, 15913), (319, 15946), (320, 15949), (322, 15958), (328, 15973), (331, 15979), (346, 15997), (350, 16012), (353, 16018), (359, 16036), (360, 16039), (367, 16054), (373, 16069), (374, 16075), (390, 16123), (394, 16135), (395, 16141), (423, 16201), (427, 16213), (443, 16249), (445, 16261), (469, 16336), (471, 16345), (478, 16363), (479, 16369), (487, 16399), (529, 16504), (533, 16516), (543, 16552), (562, 16630), (592, 16750), (600, 16783), (609, 16813), (611, 16825), (616, 16843), (618, 16849), (619, 16852), (621, 16858), (631, 16873), (632, 16876), (637, 16897), (638, 16900), (652, 16942), (657, 16972), (667, 17014), (668, 17020),

Gene: DaddyRickover_16 Start: 14976, Stop: 16685, Start Num: 83

Candidate Starts for DaddyRickover_16:

(Start: 83 @14976 has 222 MA's), (134, 15063), (Start: 158 @15108 has 2 MA's), (165, 15132), (199, 15237), (201, 15243), (206, 15261), (215, 15291), (254, 15396), (276, 15456), (284, 15477), (287, 15486), (294, 15510), (346, 15636), (350, 15651), (353, 15657), (367, 15693), (368, 15696), (373, 15708), (374, 15714), (390, 15762), (394, 15774), (395, 15780), (423, 15840), (427, 15852), (443, 15888), (445, 15900), (469, 15975), (471, 15984), (478, 16002), (479, 16008), (487, 16038), (529, 16143), (532, 16152), (533, 16155), (543, 16191), (562, 16269), (585, 16368), (592, 16389), (600,

16422), (609, 16452), (616, 16482), (619, 16491), (621, 16497), (631, 16512), (632, 16515), (637, 16536), (638, 16539), (652, 16581), (657, 16611), (667, 16653),

Gene: Daenerys_16 Start: 14808, Stop: 16517, Start Num: 83

Candidate Starts for Daenerys_16:

(Start: 83 @14808 has 222 MA's), (134, 14895), (Start: 158 @14940 has 2 MA's), (165, 14964), (199, 15069), (201, 15075), (206, 15093), (215, 15123), (254, 15228), (276, 15288), (284, 15309), (287, 15318), (294, 15342), (346, 15468), (350, 15483), (353, 15489), (367, 15525), (368, 15528), (373, 15540), (374, 15546), (390, 15594), (394, 15606), (395, 15612), (423, 15672), (427, 15684), (443, 15720), (445, 15732), (469, 15807), (471, 15816), (478, 15834), (479, 15840), (487, 15870), (529, 15975), (532, 15984), (533, 15987), (543, 16023), (562, 16101), (585, 16200), (592, 16221), (600, 16254), (609, 16284), (616, 16314), (619, 16323), (621, 16329), (631, 16344), (632, 16347), (637, 16368), (638, 16371), (652, 16413), (657, 16443), (667, 16485),

Gene: Daikon_22 Start: 19567, Stop: 21162, Start Num: 132

Candidate Starts for Daikon_22:

(Start: 87 @19483 has 85 MA's), (Start: 132 @19567 has 48 MA's), (Start: 167 @19645 has 1 MA's), (195, 19732), (201, 19747), (215, 19795), (229, 19834), (261, 19921), (274, 19954), (287, 19990), (295, 20020), (297, 20026), (321, 20095), (348, 20125), (351, 20137), (353, 20140), (374, 20197), (424, 20329), (426, 20335), (449, 20401), (451, 20407), (456, 20431), (471, 20479), (479, 20503), (481, 20512), (502, 20587), (532, 20638), (536, 20653), (578, 20815), (583, 20842), (592, 20872), (620, 20977), (650, 21055), (657, 21091), (660, 21100), (667, 21133), (673, 21148),

Gene: Dalilpop_46 Start: 32122, Stop: 33741, Start Num: 91

Candidate Starts for Dalilpop_46:

(Start: 91 @32122 has 39 MA's), (Start: 100 @32137 has 33 MA's), (Start: 117 @32158 has 1 MA's), (153, 32236), (201, 32374), (253, 32503), (263, 32533), (274, 32560), (278, 32569), (283, 32584), (327, 32695), (340, 32725), (342, 32728), (374, 32785), (452, 33010), (463, 33049), (483, 33097), (517, 33223), (534, 33259), (560, 33316), (573, 33370), (592, 33445), (635, 33577), (655, 33652), (657, 33664), (661, 33676), (662, 33685), (673, 33721),

Gene: Dante_16 Start: 14825, Stop: 16534, Start Num: 83

Candidate Starts for Dante_16:

(Start: 83 @14825 has 222 MA's), (134, 14912), (Start: 158 @14957 has 2 MA's), (165, 14981), (199, 15086), (201, 15092), (206, 15110), (215, 15140), (254, 15245), (276, 15305), (284, 15326), (287, 15335), (294, 15359), (346, 15485), (350, 15500), (353, 15506), (367, 15542), (368, 15545), (373, 15557), (374, 15563), (390, 15611), (394, 15623), (395, 15629), (423, 15689), (427, 15701), (443, 15737), (445, 15749), (469, 15824), (471, 15833), (478, 15851), (479, 15857), (487, 15887), (529, 15992), (532, 16001), (533, 16004), (543, 16040), (562, 16118), (585, 16217), (592, 16238), (600, 16271), (609, 16301), (616, 16331), (619, 16340), (621, 16346), (631, 16361), (632, 16364), (638, 16388), (648, 16418), (652, 16430), (657, 16460), (667, 16502),

Gene: Dardanus_24 Start: 16682, Stop: 18013, Start Num: 179

Candidate Starts for Dardanus_24:

(Start: 179 @16682 has 11 MA's), (186, 16703), (242, 16847), (255, 16889), (270, 16934), (274, 16949), (294, 17009), (296, 17018), (333, 17102), (408, 17216), (420, 17225), (440, 17270), (473, 17345), (482, 17372), (499, 17426), (515, 17498), (558, 17591), (560, 17597), (568, 17630), (592, 17717), (626, 17828), (639, 17873), (645, 17897), (650, 17909), (651, 17912), (657, 17945),

Gene: Daredevil_29 Start: 25466, Stop: 27352, Start Num: 75

Candidate Starts for Daredevil_29:

(40, 25364), (Start: 75 @25466 has 5 MA's), (137, 25577), (160, 25628), (173, 25676), (227, 25808), (255, 25883), (272, 25931), (300, 26015), (323, 26153), (343, 26252), (371, 26345), (374, 26357),

(376, 26363), (385, 26387), (395, 26423), (396, 26429), (445, 26549), (453, 26582), (456, 26594), (478, 26654), (502, 26756), (513, 26798), (519, 26822), (569, 26945), (586, 27020), (592, 27038), (630, 27152), (679, 27344),

Gene: Darwin_34 Start: 28167, Stop: 29765, Start Num: 97

Candidate Starts for Darwin_34:

(Start: 97 @28167 has 8 MA's), (159, 28266), (183, 28335), (194, 28374), (244, 28509), (263, 28569), (308, 28695), (329, 28722), (335, 28734), (339, 28743), (340, 28746), (370, 28791), (374, 28806), (378, 28815), (381, 28824), (396, 28878), (402, 28896), (425, 28950), (499, 29166), (528, 29259), (567, 29367), (580, 29421), (599, 29496), (639, 29625), (672, 29751),

Gene: DatBoi_31 Start: 27896, Stop: 29605, Start Num: 75

Candidate Starts for DatBoi_31:

(Start: 75 @27896 has 5 MA's), (133, 27998), (203, 28181), (255, 28313), (266, 28343), (272, 28361), (309, 28484), (374, 28610), (376, 28616), (393, 28667), (396, 28682), (445, 28802), (453, 28835), (502, 29009), (519, 29075), (583, 29261), (586, 29273), (609, 29351), (630, 29405), (676, 29573), (679, 29597),

Gene: DeadP_16 Start: 14839, Stop: 16548, Start Num: 83

Candidate Starts for DeadP_16:

(Start: 83 @14839 has 222 MA's), (134, 14926), (Start: 158 @14971 has 2 MA's), (165, 14995), (199, 15100), (201, 15106), (206, 15124), (215, 15154), (254, 15259), (276, 15319), (283, 15337), (284, 15340), (287, 15349), (294, 15373), (346, 15499), (350, 15514), (353, 15520), (367, 15556), (368, 15559), (373, 15571), (374, 15577), (390, 15625), (394, 15637), (395, 15643), (423, 15703), (427, 15715), (443, 15751), (445, 15763), (469, 15838), (471, 15847), (478, 15865), (479, 15871), (487, 15901), (529, 16006), (532, 16015), (533, 16018), (543, 16054), (562, 16132), (585, 16231), (592, 16252), (600, 16285), (609, 16315), (616, 16345), (619, 16354), (621, 16360), (631, 16375), (632, 16378), (638, 16402), (648, 16432), (652, 16444), (657, 16474), (667, 16516),

Gene: DearBasketball_21 Start: 15194, Stop: 16810, Start Num: 85

Candidate Starts for DearBasketball_21:

(Start: 85 @15194 has 14 MA's), (137, 15293), (145, 15317), (190, 15428), (191, 15431), (198, 15449), (201, 15458), (228, 15524), (234, 15539), (238, 15548), (243, 15554), (266, 15626), (272, 15644), (291, 15698), (294, 15707), (325, 15761), (353, 15797), (354, 15800), (392, 15908), (421, 15980), (423, 15986), (426, 15995), (433, 16013), (460, 16103), (484, 16172), (499, 16217), (502, 16235), (507, 16247), (551, 16361), (556, 16373), (558, 16385), (563, 16406), (566, 16418), (570, 16433), (578, 16463), (585, 16499), (644, 16688), (661, 16751), (665, 16772), (673, 16796),

Gene: Deb65_16 Start: 14805, Stop: 16514, Start Num: 83

Candidate Starts for Deb65_16:

(Start: 83 @14805 has 222 MA's), (134, 14892), (Start: 158 @14937 has 2 MA's), (165, 14961), (199, 15066), (201, 15072), (206, 15090), (215, 15120), (254, 15225), (276, 15285), (284, 15306), (287, 15315), (294, 15339), (346, 15465), (350, 15480), (353, 15486), (367, 15522), (368, 15525), (373, 15537), (374, 15543), (390, 15591), (394, 15603), (395, 15609), (423, 15669), (427, 15681), (443, 15717), (445, 15729), (469, 15804), (471, 15813), (478, 15831), (479, 15837), (487, 15867), (529, 15972), (533, 15984), (543, 16020), (562, 16098), (585, 16197), (592, 16218), (600, 16251), (609, 16281), (616, 16311), (619, 16320), (621, 16326), (631, 16341), (632, 16344), (637, 16365), (638, 16368), (652, 16410), (657, 16440), (667, 16482),

Gene: Delian_19 Start: 16674, Stop: 18320, Start Num: 93

Candidate Starts for Delian_19:

(71, 16638), (Start: 93 @16674 has 51 MA's), (144, 16776), (171, 16848), (173, 16854), (Start: 179 @16857 has 11 MA's), (219, 16953), (233, 16992), (262, 17073), (283, 17127), (288, 17142), (347,

17238), (374, 17313), (385, 17343), (451, 17526), (456, 17550), (502, 17694), (507, 17706), (520, 17766), (559, 17898), (560, 17901), (583, 18000), (588, 18018), (601, 18069), (624, 18135), (643, 18198), (648, 18210),

Gene: Delrey21_34 Start: 30944, Stop: 32566, Start Num: 90

Candidate Starts for Delrey21_34:

(Start: 60 @30887 has 1 MA's), (Start: 90 @30944 has 22 MA's), (106, 30965), (137, 31028), (163, 31091), (186, 31151), (190, 31163), (222, 31250), (247, 31301), (254, 31331), (284, 31412), (292, 31439), (354, 31538), (366, 31568), (370, 31577), (382, 31613), (398, 31673), (423, 31721), (426, 31730), (457, 31829), (473, 31868), (478, 31880), (515, 32036), (519, 32048), (534, 32075), (558, 32132), (568, 32171), (570, 32180), (582, 32237), (584, 32249), (597, 32297), (600, 32306), (601, 32312), (609, 32333), (635, 32411), (669, 32549),

Gene: Denise_17 Start: 14794, Stop: 16503, Start Num: 100

Candidate Starts for Denise_17:

(Start: 100 @14794 has 33 MA's), (157, 14911), (181, 14983), (182, 14986), (205, 15061), (220, 15100), (225, 15115), (246, 15157), (253, 15184), (283, 15274), (284, 15277), (333, 15409), (352, 15463), (380, 15544), (397, 15604), (398, 15610), (442, 15697), (463, 15769), (473, 15787), (485, 15826), (508, 15898), (509, 15901), (512, 15922), (583, 16156), (587, 16171), (592, 16186), (598, 16213), (623, 16306), (624, 16309), (637, 16357), (645, 16387), (650, 16399), (660, 16444),

Gene: Dexdert_33 Start: 27970, Stop: 29589, Start Num: 92

Candidate Starts for Dexdert_33:

(Start: 92 @27970 has 11 MA's), (106, 27991), (137, 28054), (186, 28177), (190, 28189), (214, 28246), (247, 28324), (288, 28447), (354, 28561), (366, 28591), (381, 28633), (398, 28696), (423, 28744), (426, 28753), (445, 28804), (457, 28852), (507, 29017), (513, 29047), (558, 29155), (559, 29158), (570, 29203), (582, 29260), (583, 29266), (584, 29272), (597, 29320), (600, 29329), (601, 29335), (602, 29338), (620, 29389), (635, 29434), (653, 29503), (664, 29551), (667, 29563),

Gene: DillTech15_16 Start: 14841, Stop: 16550, Start Num: 83

Candidate Starts for DillTech15_16:

(Start: 83 @14841 has 222 MA's), (134, 14928), (Start: 158 @14973 has 2 MA's), (165, 14997), (199, 15102), (201, 15108), (206, 15126), (215, 15156), (254, 15261), (273, 15315), (276, 15321), (279, 15330), (287, 15351), (294, 15375), (305, 15411), (307, 15417), (319, 15450), (320, 15453), (322, 15462), (328, 15477), (331, 15483), (346, 15501), (350, 15516), (353, 15522), (359, 15540), (360, 15543), (367, 15558), (373, 15573), (374, 15579), (390, 15627), (394, 15639), (395, 15645), (423, 15705), (427, 15717), (443, 15753), (445, 15765), (469, 15840), (471, 15849), (478, 15867), (479, 15873), (529, 16008), (533, 16020), (543, 16056), (592, 16254), (600, 16287), (609, 16317), (616, 16347), (619, 16356), (621, 16362), (631, 16377), (632, 16380), (637, 16401), (638, 16404), (652, 16446), (657, 16476), (667, 16518), (668, 16524),

Gene: DinoDaryn_24 Start: 16702, Stop: 18030, Start Num: 179

Candidate Starts for DinoDaryn_24:

(Start: 179 @16702 has 11 MA's), (185, 16717), (226, 16831), (240, 16861), (255, 16906), (270, 16951), (289, 17008), (294, 17026), (296, 17035), (304, 17059), (306, 17065), (307, 17068), (333, 17119), (338, 17131), (389, 17173), (403, 17224), (408, 17233), (420, 17242), (440, 17287), (484, 17398), (499, 17443), (514, 17512), (530, 17533), (560, 17614), (568, 17647), (592, 17734), (601, 17770), (605, 17785), (609, 17794), (624, 17836), (651, 17929), (654, 17947), (667, 18004), (669, 18013),

Gene: DinoNuggs_19 Start: 15160, Stop: 16776, Start Num: 85

Candidate Starts for DinoNuggs_19:

(Start: 85 @15160 has 14 MA's), (137, 15259), (145, 15283), (190, 15394), (191, 15397), (198, 15415), (201, 15424), (228, 15490), (234, 15505), (238, 15514), (243, 15520), (266, 15592), (272, 15610), (291, 15664), (294, 15673), (325, 15727), (353, 15763), (354, 15766), (392, 15874), (421, 15946), (423, 15952), (426, 15961), (433, 15979), (460, 16069), (484, 16138), (499, 16183), (502, 16201), (507, 16213), (529, 16279), (551, 16327), (556, 16339), (558, 16351), (563, 16372), (566, 16384), (570, 16399), (578, 16429), (585, 16465), (644, 16654), (661, 16717), (665, 16738), (673, 16762),

Gene: DirtMcgirt_17 Start: 14762, Stop: 16339, Start Num: 158

Candidate Starts for DirtMcgirt_17:

(Start: 83 @14630 has 222 MA's), (134, 14717), (Start: 158 @14762 has 2 MA's), (165, 14786), (184, 14843), (199, 14891), (201, 14897), (206, 14915), (215, 14945), (254, 15050), (273, 15104), (276, 15110), (279, 15119), (284, 15131), (287, 15140), (294, 15164), (305, 15200), (307, 15206), (311, 15218), (319, 15239), (320, 15242), (322, 15251), (328, 15266), (331, 15272), (346, 15290), (350, 15305), (353, 15311), (359, 15329), (360, 15332), (367, 15347), (373, 15362), (374, 15368), (385, 15398), (390, 15416), (394, 15428), (395, 15434), (423, 15494), (427, 15506), (443, 15542), (445, 15554), (451, 15575), (469, 15629), (471, 15638), (479, 15662), (487, 15692), (529, 15797), (533, 15809), (543, 15845), (554, 15884), (562, 15923), (585, 16022), (592, 16043), (600, 16076), (609, 16106), (616, 16136), (619, 16145), (621, 16151), (631, 16166), (632, 16169), (637, 16190), (638, 16193), (652, 16235), (657, 16265), (667, 16307), (668, 16313),

Gene: DmpstrDiver_35 Start: 27492, Stop: 29490, Start Num: 84

Candidate Starts for DmpstrDiver_35:

(Start: 84 @27492 has 30 MA's), (Start: 132 @27582 has 48 MA's), (155, 27630), (165, 27660), (173, 27687), (207, 27789), (216, 27819), (232, 27870), (252, 27918), (263, 27954), (265, 27960), (274, 27981), (297, 28053), (300, 28062), (307, 28083), (353, 28191), (354, 28194), (359, 28209), (374, 28248), (390, 28296), (394, 28308), (395, 28314), (413, 28362), (416, 28371), (424, 28392), (430, 28410), (447, 28458), (478, 28560), (499, 28632), (510, 28677), (512, 28689), (522, 28824), (523, 28830), (524, 28854), (525, 28926), (527, 28953), (593, 29202),

Gene: DoRead_16 Start: 14774, Stop: 16483, Start Num: 83

Candidate Starts for DoRead_16:

(Start: 83 @14774 has 222 MA's), (134, 14861), (Start: 158 @14906 has 2 MA's), (165, 14930), (199, 15035), (201, 15041), (206, 15059), (215, 15089), (254, 15194), (276, 15254), (279, 15263), (283, 15272), (284, 15275), (287, 15284), (292, 15302), (294, 15308), (319, 15383), (346, 15434), (350, 15449), (353, 15455), (367, 15491), (368, 15494), (373, 15506), (374, 15512), (390, 15560), (394, 15572), (395, 15578), (423, 15638), (427, 15650), (443, 15686), (445, 15698), (469, 15773), (471, 15782), (478, 15800), (479, 15806), (487, 15836), (529, 15941), (532, 15950), (533, 15953), (543, 15989), (562, 16067), (585, 16166), (592, 16187), (600, 16220), (609, 16250), (616, 16280), (619, 16289), (621, 16295), (631, 16310), (632, 16313), (638, 16337), (648, 16367), (652, 16379), (657, 16409), (667, 16451),

Gene: DobbysSock_19 Start: 16820, Stop: 18400, Start Num: 99

Candidate Starts for DobbysSock_19:

(46, 16703), (Start: 99 @16820 has 65 MA's), (214, 17078), (221, 17099), (246, 17153), (257, 17192), (275, 17249), (283, 17270), (381, 17441), (387, 17459), (394, 17483), (398, 17504), (423, 17546), (451, 17627), (484, 17717), (512, 17819), (513, 17822), (534, 17876), (607, 18146), (635, 18245), (637, 18254), (645, 18284),

Gene: DocMcStuffins_17 Start: 14677, Stop: 16386, Start Num: 83

Candidate Starts for DocMcStuffins_17:

(Start: 83 @14677 has 222 MA's), (134, 14764), (Start: 158 @14809 has 2 MA's), (165, 14833), (199, 14938), (201, 14944), (206, 14962), (209, 14971), (215, 14992), (254, 15097), (276, 15157), (279, 15166), (284, 15178), (287, 15187), (294, 15211), (305, 15247), (307, 15253), (311, 15265), (319,

15286), (320, 15289), (322, 15298), (328, 15313), (331, 15319), (346, 15337), (350, 15352), (353, 15358), (359, 15376), (360, 15379), (367, 15394), (373, 15409), (374, 15415), (390, 15463), (394, 15475), (395, 15481), (423, 15541), (427, 15553), (430, 15562), (443, 15589), (445, 15601), (469, 15676), (471, 15685), (478, 15703), (479, 15709), (487, 15739), (529, 15844), (532, 15853), (533, 15856), (543, 15892), (562, 15970), (585, 16069), (592, 16090), (600, 16123), (609, 16153), (616, 16183), (618, 16189), (619, 16192), (621, 16198), (631, 16213), (632, 16216), (637, 16237), (638, 16240), (652, 16282), (667, 16354), (668, 16360),

Gene: DoctorDiddles_24 Start: 18992, Stop: 20587, Start Num: 132

Candidate Starts for DoctorDiddles_24:

(Start: 87 @18908 has 85 MA's), (Start: 132 @18992 has 48 MA's), (Start: 167 @19070 has 1 MA's), (195, 19157), (201, 19172), (215, 19220), (229, 19259), (261, 19346), (274, 19379), (287, 19415), (295, 19445), (297, 19451), (321, 19520), (348, 19550), (351, 19562), (353, 19565), (374, 19622), (424, 19754), (426, 19760), (449, 19826), (451, 19832), (456, 19856), (471, 19904), (479, 19928), (481, 19937), (502, 20012), (532, 20063), (536, 20078), (578, 20240), (583, 20267), (592, 20297), (620, 20402), (650, 20480), (657, 20516), (660, 20525), (667, 20558), (673, 20573),

Gene: DoctorFroggo_34 Start: 30944, Stop: 32566, Start Num: 90

Candidate Starts for DoctorFroggo_34:

(Start: 60 @30887 has 1 MA's), (Start: 90 @30944 has 22 MA's), (106, 30965), (137, 31028), (163, 31091), (186, 31151), (190, 31163), (222, 31250), (247, 31301), (254, 31331), (284, 31412), (292, 31439), (354, 31538), (366, 31568), (370, 31577), (382, 31613), (398, 31673), (423, 31721), (426, 31730), (457, 31829), (473, 31868), (478, 31880), (515, 32036), (519, 32048), (534, 32075), (558, 32132), (568, 32171), (570, 32180), (582, 32237), (584, 32249), (597, 32297), (600, 32306), (601, 32312), (609, 32333), (635, 32411), (669, 32549),

Gene: Dogfish_21 Start: 18185, Stop: 19831, Start Num: 88

Candidate Starts for Dogfish_21:

(Start: 88 @18185 has 5 MA's), (136, 18275), (144, 18299), (148, 18305), (175, 18383), (197, 18449), (199, 18455), (243, 18566), (248, 18575), (253, 18602), (256, 18611), (263, 18632), (350, 18803), (351, 18806), (376, 18872), (382, 18887), (397, 18941), (409, 18971), (418, 18980), (433, 19022), (443, 19043), (454, 19091), (457, 19103), (467, 19130), (489, 19199), (506, 19268), (513, 19301), (536, 19358), (559, 19409), (576, 19478), (597, 19565), (601, 19580), (621, 19637), (624, 19646), (649, 19724), (651, 19730),

Gene: Dolores_20 Start: 17322, Stop: 18902, Start Num: 99

Candidate Starts for Dolores_20:

(46, 17205), (Start: 99 @17322 has 65 MA's), (214, 17580), (221, 17601), (246, 17655), (257, 17694), (275, 17751), (283, 17772), (381, 17943), (387, 17961), (394, 17985), (398, 18006), (423, 18048), (451, 18129), (484, 18219), (499, 18264), (512, 18321), (513, 18324), (534, 18378), (562, 18468), (635, 18747), (637, 18756), (645, 18786),

Gene: DonkeyMan_18 Start: 14949, Stop: 16565, Start Num: 85

Candidate Starts for DonkeyMan_18:

(Start: 85 @14949 has 14 MA's), (137, 15048), (145, 15072), (190, 15183), (191, 15186), (198, 15204), (201, 15213), (228, 15279), (234, 15294), (238, 15303), (243, 15309), (266, 15381), (272, 15399), (291, 15453), (294, 15462), (325, 15516), (353, 15552), (354, 15555), (392, 15663), (421, 15735), (423, 15741), (426, 15750), (433, 15768), (460, 15858), (499, 15972), (502, 15990), (507, 16002), (529, 16068), (551, 16116), (556, 16128), (558, 16140), (563, 16161), (566, 16173), (570, 16188), (578, 16218), (585, 16254), (644, 16443), (661, 16506), (665, 16527), (673, 16551),

Gene: Donkeykong_16 Start: 14982, Stop: 16691, Start Num: 83

Candidate Starts for Donkeykong_16:

(Start: 83 @14982 has 222 MA's), (134, 15069), (Start: 158 @15114 has 2 MA's), (165, 15138), (184, 15195), (199, 15243), (201, 15249), (206, 15267), (215, 15297), (254, 15402), (276, 15462), (279, 15471), (287, 15492), (294, 15516), (307, 15558), (319, 15591), (322, 15603), (328, 15618), (331, 15624), (346, 15642), (350, 15657), (353, 15663), (367, 15699), (373, 15714), (374, 15720), (390, 15768), (394, 15780), (395, 15786), (423, 15846), (427, 15858), (443, 15894), (445, 15906), (469, 15981), (471, 15990), (478, 16008), (479, 16014), (487, 16044), (529, 16149), (532, 16158), (533, 16161), (543, 16197), (562, 16275), (585, 16374), (592, 16395), (600, 16428), (609, 16458), (616, 16488), (619, 16497), (621, 16503), (631, 16518), (632, 16521), (638, 16545), (648, 16575), (652, 16587), (657, 16617), (667, 16659),

Gene: Donovan_19 Start: 16374, Stop: 18110, Start Num: 80

Candidate Starts for Donovan_19:

(Start: 65 @16350 has 2 MA's), (Start: 80 @16374 has 48 MA's), (115, 16434), (125, 16455), (127, 16458), (176, 16578), (190, 16617), (200, 16650), (207, 16674), (250, 16794), (261, 16833), (263, 16839), (292, 16923), (294, 16929), (297, 16941), (305, 16965), (315, 16992), (321, 17010), (337, 17049), (346, 17055), (354, 17079), (374, 17133), (379, 17145), (382, 17154), (398, 17214), (430, 17292), (445, 17331), (453, 17364), (471, 17430), (477, 17445), (479, 17454), (485, 17478), (495, 17508), (499, 17520), (540, 17622), (546, 17634), (547, 17637), (548, 17643), (549, 17652), (576, 17760), (596, 17844), (625, 17943), (660, 18051), (673, 18099),

Gene: Doomphist_16 Start: 14940, Stop: 16649, Start Num: 83

Candidate Starts for Doomphist_16:

(Start: 83 @14940 has 222 MA's), (134, 15027), (Start: 158 @15072 has 2 MA's), (165, 15096), (199, 15201), (201, 15207), (206, 15225), (215, 15255), (254, 15360), (276, 15420), (284, 15441), (287, 15450), (294, 15474), (319, 15549), (346, 15600), (350, 15615), (353, 15621), (367, 15657), (368, 15660), (373, 15672), (374, 15678), (390, 15726), (394, 15738), (395, 15744), (423, 15804), (427, 15816), (443, 15852), (445, 15864), (469, 15939), (471, 15948), (478, 15966), (479, 15972), (487, 16002), (529, 16107), (533, 16119), (543, 16155), (562, 16233), (585, 16332), (592, 16353), (600, 16386), (609, 16416), (616, 16446), (618, 16452), (619, 16455), (621, 16461), (631, 16476), (632, 16479), (637, 16500), (638, 16503), (652, 16545), (667, 16617), (668, 16623),

Gene: Doomslug_18 Start: 14664, Stop: 16373, Start Num: 83

Candidate Starts for Doomslug_18:

(Start: 83 @14664 has 222 MA's), (134, 14751), (Start: 158 @14796 has 2 MA's), (165, 14820), (199, 14925), (201, 14931), (206, 14949), (215, 14979), (254, 15084), (276, 15144), (284, 15165), (287, 15174), (294, 15198), (346, 15324), (350, 15339), (353, 15345), (367, 15381), (368, 15384), (373, 15396), (374, 15402), (390, 15450), (394, 15462), (395, 15468), (423, 15528), (427, 15540), (443, 15576), (445, 15588), (469, 15663), (471, 15672), (478, 15690), (479, 15696), (487, 15726), (529, 15831), (532, 15840), (533, 15843), (543, 15879), (562, 15957), (585, 16056), (592, 16077), (600, 16110), (609, 16140), (616, 16170), (619, 16179), (621, 16185), (631, 16200), (632, 16203), (638, 16227), (648, 16257), (652, 16269), (657, 16299), (667, 16341),

Gene: Dorito_19 Start: 16822, Stop: 18402, Start Num: 99

Candidate Starts for Dorito_19:

(7, 16045), (12, 16201), (17, 16396), (18, 16432), (19, 16435), (24, 16519), (26, 16525), (33, 16651), (46, 16705), (Start: 99 @16822 has 65 MA's), (184, 16993), (214, 17080), (220, 17098), (221, 17101), (246, 17155), (257, 17194), (275, 17251), (283, 17272), (381, 17443), (387, 17461), (394, 17485), (398, 17506), (423, 17548), (451, 17629), (484, 17719), (512, 17821), (534, 17878), (562, 17968), (635, 18247), (637, 18256), (645, 18286),

Gene: Dorothy_16 Start: 14766, Stop: 16475, Start Num: 83

Candidate Starts for Dorothy_16:

(Start: 83 @14766 has 222 MA's), (134, 14853), (Start: 158 @14898 has 2 MA's), (165, 14922), (199, 15027), (201, 15033), (206, 15051), (215, 15081), (254, 15186), (276, 15246), (284, 15267), (287, 15276), (294, 15300), (346, 15426), (350, 15441), (353, 15447), (367, 15483), (368, 15486), (373, 15498), (374, 15504), (390, 15552), (394, 15564), (395, 15570), (423, 15630), (427, 15642), (443, 15678), (445, 15690), (469, 15765), (471, 15774), (478, 15792), (479, 15798), (487, 15828), (529, 15933), (532, 15942), (533, 15945), (543, 15981), (562, 16059), (585, 16158), (592, 16179), (600, 16212), (609, 16242), (616, 16272), (619, 16281), (621, 16287), (631, 16302), (632, 16305), (637, 16326), (638, 16329), (652, 16371), (657, 16401), (667, 16443),

Gene: DosHalletts_17 Start: 14741, Stop: 16450, Start Num: 83

Candidate Starts for DosHalletts_17:

(Start: 83 @14741 has 222 MA's), (134, 14828), (Start: 158 @14873 has 2 MA's), (165, 14897), (191, 14975), (199, 15002), (201, 15008), (206, 15026), (215, 15056), (254, 15161), (276, 15221), (284, 15242), (287, 15251), (294, 15275), (307, 15317), (319, 15350), (322, 15362), (328, 15377), (346, 15401), (350, 15416), (353, 15422), (367, 15458), (373, 15473), (374, 15479), (390, 15527), (394, 15539), (395, 15545), (423, 15605), (427, 15617), (443, 15653), (445, 15665), (469, 15740), (471, 15749), (478, 15767), (479, 15773), (487, 15803), (529, 15908), (532, 15917), (533, 15920), (543, 15956), (562, 16034), (585, 16133), (592, 16154), (600, 16187), (609, 16217), (615, 16244), (616, 16247), (619, 16256), (621, 16262), (631, 16277), (632, 16280), (637, 16301), (638, 16304), (641, 16313), (652, 16346), (657, 16376), (667, 16418),

Gene: DotProduct_16 Start: 14816, Stop: 16525, Start Num: 83

Candidate Starts for DotProduct_16:

(Start: 83 @14816 has 222 MA's), (134, 14903), (Start: 158 @14948 has 2 MA's), (165, 14972), (170, 14993), (199, 15077), (201, 15083), (206, 15101), (215, 15131), (254, 15236), (276, 15296), (279, 15305), (284, 15317), (287, 15326), (294, 15350), (319, 15425), (320, 15428), (328, 15452), (331, 15458), (346, 15476), (350, 15491), (353, 15497), (359, 15515), (360, 15518), (367, 15533), (368, 15536), (373, 15548), (374, 15554), (385, 15584), (390, 15602), (394, 15614), (395, 15620), (423, 15680), (427, 15692), (443, 15728), (445, 15740), (451, 15761), (469, 15815), (471, 15824), (479, 15848), (487, 15878), (529, 15983), (532, 15992), (533, 15995), (543, 16031), (554, 16070), (562, 16109), (585, 16208), (592, 16229), (600, 16262), (609, 16292), (616, 16322), (619, 16331), (621, 16337), (631, 16352), (632, 16355), (637, 16376), (638, 16379), (652, 16421), (657, 16451), (667, 16493), (668, 16499),

Gene: Doug_17 Start: 15357, Stop: 17066, Start Num: 83

Candidate Starts for Doug_17:

(Start: 83 @15357 has 222 MA's), (134, 15444), (Start: 158 @15489 has 2 MA's), (165, 15513), (199, 15618), (201, 15624), (206, 15642), (215, 15672), (254, 15777), (276, 15837), (284, 15858), (287, 15867), (294, 15891), (346, 16017), (350, 16032), (353, 16038), (367, 16074), (368, 16077), (373, 16089), (374, 16095), (390, 16143), (394, 16155), (395, 16161), (423, 16221), (427, 16233), (443, 16269), (445, 16281), (451, 16302), (469, 16356), (471, 16365), (478, 16383), (479, 16389), (529, 16524), (533, 16536), (543, 16572), (562, 16650), (585, 16749), (592, 16770), (600, 16803), (609, 16833), (616, 16863), (618, 16869), (619, 16872), (621, 16878), (631, 16893), (632, 16896), (637, 16917), (638, 16920), (652, 16962), (667, 17034),

Gene: Dove_34 Start: 26623, Stop: 28356, Start Num: 84

Candidate Starts for Dove_34:

(Start: 84 @26623 has 30 MA's), (Start: 132 @26713 has 48 MA's), (155, 26761), (165, 26791), (173, 26818), (207, 26920), (216, 26950), (252, 27049), (263, 27085), (265, 27091), (274, 27112), (297, 27184), (300, 27193), (307, 27214), (331, 27283), (353, 27322), (354, 27325), (359, 27340), (374, 27379), (390, 27427), (394, 27439), (395, 27445), (413, 27493), (416, 27502), (424, 27523), (430, 27541), (447, 27589), (478, 27691), (495, 27751), (499, 27763), (536, 27847), (539, 27859), (540, 27865), (546, 27877), (547, 27880), (556, 27919), (560, 27937), (569, 27973), (570, 27979), (592,

28066), (615, 28156), (635, 28198), (640, 28216), (649, 28246), (658, 28288), (673, 28342),

Gene: DrDrey_25 Start: 20238, Stop: 21917, Start Num: 87

Candidate Starts for DrDrey_25:

(Start: 87 @20238 has 85 MA's), (Start: 132 @20322 has 48 MA's), (Start: 167 @20400 has 1 MA's),
(195, 20487), (201, 20502), (215, 20550), (229, 20589), (261, 20676), (274, 20709), (287, 20745),
(295, 20775), (297, 20781), (321, 20850), (348, 20880), (351, 20892), (353, 20895), (374, 20952),
(424, 21084), (426, 21090), (449, 21156), (451, 21162), (456, 21186), (471, 21234), (479, 21258),
(481, 21267), (502, 21342), (532, 21393), (536, 21408), (578, 21570), (583, 21597), (592, 21627),
(620, 21732), (650, 21810), (657, 21846), (660, 21855), (667, 21888), (673, 21903),

Gene: Drago_17 Start: 14628, Stop: 16337, Start Num: 83

Candidate Starts for Drago_17:

(Start: 83 @14628 has 222 MA's), (134, 14715), (Start: 158 @14760 has 2 MA's), (165, 14784), (184,
14841), (199, 14889), (201, 14895), (206, 14913), (215, 14943), (254, 15048), (273, 15102), (276,
15108), (279, 15117), (284, 15129), (287, 15138), (294, 15162), (305, 15198), (307, 15204), (311,
15216), (319, 15237), (320, 15240), (322, 15249), (328, 15264), (331, 15270), (346, 15288), (350,
15303), (353, 15309), (359, 15327), (360, 15330), (367, 15345), (373, 15360), (374, 15366), (385,
15396), (390, 15414), (394, 15426), (395, 15432), (423, 15492), (427, 15504), (443, 15540), (445,
15552), (451, 15573), (469, 15627), (471, 15636), (479, 15660), (487, 15690), (529, 15795), (533,
15807), (543, 15843), (554, 15882), (562, 15921), (585, 16020), (592, 16041), (600, 16074), (609,
16104), (616, 16134), (619, 16143), (621, 16149), (631, 16164), (632, 16167), (637, 16188), (638,
16191), (652, 16233), (657, 16263), (667, 16305), (668, 16311),

Gene: Dre3_18 Start: 15938, Stop: 17629, Start Num: 77

Candidate Starts for Dre3_18:

(Start: 77 @15938 has 39 MA's), (138, 16052), (156, 16085), (225, 16286), (243, 16322), (271, 16409),
(307, 16511), (345, 16544), (349, 16556), (350, 16559), (370, 16616), (381, 16649), (386, 16664),
(394, 16691), (404, 16730), (422, 16766), (424, 16772), (443, 16826), (448, 16850), (458, 16889),
(460, 16895), (484, 16967), (490, 16985), (493, 16994), (497, 17003), (511, 17060), (514, 17078),
(559, 17189), (561, 17201), (565, 17216), (569, 17228), (585, 17300), (586, 17303), (612, 17399),
(620, 17426), (628, 17450), (633, 17468),

Gene: Dumbo_24 Start: 19297, Stop: 20892, Start Num: 132

Candidate Starts for Dumbo_24:

(Start: 87 @19213 has 85 MA's), (Start: 132 @19297 has 48 MA's), (Start: 167 @19375 has 1 MA's),
(195, 19462), (201, 19477), (215, 19525), (229, 19564), (261, 19651), (274, 19684), (287, 19720),
(295, 19750), (297, 19756), (321, 19825), (348, 19855), (351, 19867), (353, 19870), (374, 19927),
(424, 20059), (426, 20065), (449, 20131), (451, 20137), (456, 20161), (471, 20209), (479, 20233),
(481, 20242), (502, 20317), (532, 20368), (536, 20383), (578, 20545), (583, 20572), (592, 20602),
(620, 20707), (650, 20785), (657, 20821), (660, 20830), (667, 20863), (673, 20878),

Gene: Duplicity_18 Start: 14989, Stop: 16698, Start Num: 86

Candidate Starts for Duplicity_18:

(Start: 86 @14989 has 47 MA's), (104, 15016), (Start: 158 @15121 has 2 MA's), (161, 15133), (171,
15169), (190, 15220), (199, 15250), (201, 15256), (209, 15283), (211, 15289), (254, 15409), (273,
15463), (276, 15469), (283, 15487), (287, 15499), (288, 15502), (294, 15523), (307, 15565), (319,
15598), (346, 15649), (350, 15664), (367, 15706), (373, 15721), (374, 15727), (390, 15775), (396,
15799), (406, 15829), (423, 15853), (445, 15913), (448, 15925), (464, 15979), (469, 15988), (486,
16048), (487, 16051), (529, 16156), (532, 16165), (543, 16204), (577, 16342), (615, 16492), (616,
16495), (619, 16504), (631, 16525), (638, 16552), (650, 16588), (673, 16681),

Gene: Dusk_23 Start: 19405, Stop: 21084, Start Num: 87

Candidate Starts for Dusk_23:

(Start: 87 @19405 has 85 MA's), (Start: 132 @19489 has 48 MA's), (Start: 167 @19567 has 1 MA's), (195, 19654), (201, 19669), (215, 19717), (229, 19756), (261, 19843), (274, 19876), (287, 19912), (295, 19942), (297, 19948), (321, 20017), (348, 20047), (351, 20059), (353, 20062), (374, 20119), (424, 20251), (426, 20257), (449, 20323), (451, 20329), (456, 20353), (471, 20401), (479, 20425), (481, 20434), (502, 20509), (532, 20560), (536, 20575), (578, 20737), (583, 20764), (592, 20794), (620, 20899), (650, 20977), (657, 21013), (660, 21022), (667, 21055), (673, 21070),

Gene: Dusty_47 Start: 29340, Stop: 31031, Start Num: 74

Candidate Starts for Dusty_47:

(Start: 74 @29340 has 17 MA's), (110, 29400), (129, 29433), (138, 29463), (139, 29466), (201, 29625), (204, 29634), (255, 29763), (272, 29811), (374, 30024), (376, 30030), (385, 30054), (433, 30183), (443, 30204), (451, 30237), (502, 30435), (560, 30588), (583, 30687), (586, 30699), (589, 30708), (614, 30792), (658, 30939), (666, 30975),

Gene: Dylan_56 Start: 33569, Stop: 35305, Start Num: 67

Candidate Starts for Dylan_56:

(Start: 63 @33560 has 2 MA's), (Start: 67 @33569 has 29 MA's), (122, 33659), (170, 33776), (184, 33812), (191, 33833), (199, 33860), (201, 33866), (210, 33896), (217, 33920), (236, 33971), (287, 34109), (289, 34115), (304, 34166), (305, 34169), (311, 34187), (346, 34238), (353, 34259), (354, 34262), (367, 34295), (373, 34310), (374, 34316), (390, 34364), (392, 34370), (394, 34376), (415, 34436), (423, 34460), (424, 34463), (443, 34508), (446, 34523), (448, 34532), (451, 34541), (464, 34586), (471, 34604), (481, 34637), (533, 34775), (538, 34796), (557, 34862), (563, 34892), (576, 34946), (585, 34988), (592, 35009), (596, 35030), (600, 35042), (606, 35063), (621, 35117), (650, 35195), (657, 35231), (662, 35252), (668, 35279),

Gene: Dynamo_19 Start: 16394, Stop: 18130, Start Num: 80

Candidate Starts for Dynamo_19:

(Start: 65 @16370 has 2 MA's), (Start: 80 @16394 has 48 MA's), (115, 16454), (125, 16475), (127, 16478), (176, 16598), (190, 16637), (200, 16670), (207, 16694), (250, 16814), (261, 16853), (263, 16859), (292, 16943), (294, 16949), (297, 16961), (305, 16985), (315, 17012), (321, 17030), (337, 17069), (346, 17075), (354, 17099), (374, 17153), (379, 17165), (382, 17174), (398, 17234), (430, 17312), (445, 17351), (453, 17384), (471, 17450), (477, 17465), (479, 17474), (485, 17498), (495, 17528), (499, 17540), (540, 17642), (546, 17654), (547, 17657), (548, 17663), (549, 17672), (576, 17780), (596, 17864), (625, 17963), (660, 18071), (673, 18119),

Gene: EGUunicorn_18 Start: 14989, Stop: 16698, Start Num: 86

Candidate Starts for EGUunicorn_18:

(Start: 86 @14989 has 47 MA's), (104, 15016), (Start: 158 @15121 has 2 MA's), (161, 15133), (171, 15169), (190, 15220), (199, 15250), (201, 15256), (209, 15283), (211, 15289), (254, 15409), (273, 15463), (276, 15469), (283, 15487), (287, 15499), (288, 15502), (294, 15523), (307, 15565), (319, 15598), (346, 15649), (350, 15664), (367, 15706), (373, 15721), (374, 15727), (390, 15775), (396, 15799), (406, 15829), (423, 15853), (445, 15913), (448, 15925), (464, 15979), (469, 15988), (486, 16048), (487, 16051), (529, 16156), (532, 16165), (543, 16204), (577, 16342), (615, 16492), (616, 16495), (619, 16504), (631, 16525), (638, 16552), (650, 16588), (673, 16681),

Gene: EMoore_31 Start: 29511, Stop: 31136, Start Num: 90

Candidate Starts for EMoore_31:

(Start: 60 @29454 has 1 MA's), (Start: 90 @29511 has 22 MA's), (Start: 99 @29523 has 65 MA's), (118, 29556), (138, 29607), (186, 29724), (190, 29736), (220, 29811), (243, 29862), (247, 29871), (254, 29901), (292, 30009), (354, 30108), (366, 30138), (370, 30147), (381, 30180), (382, 30183), (398, 30243), (423, 30291), (448, 30363), (456, 30396), (457, 30399), (473, 30438), (484, 30477), (507, 30564), (508, 30567), (513, 30594), (534, 30645), (559, 30705), (570, 30750), (588, 30831),

(597, 30867), (600, 30876), (602, 30885), (635, 30981), (660, 31077), (667, 31110), (673, 31125),

Gene: EMSquaredA_20 Start: 17566, Stop: 19272, Start Num: 51

Candidate Starts for EMSquaredA_20:

(Start: 44 @17542 has 1 MA's), (Start: 51 @17566 has 25 MA's), (103, 17671), (124, 17713), (169, 17788), (220, 17902), (271, 18049), (274, 18055), (290, 18100), (363, 18238), (391, 18313), (484, 18595), (491, 18616), (511, 18691), (541, 18778), (555, 18814), (561, 18847), (563, 18853), (579, 18919), (586, 18949), (631, 19105), (633, 19111), (637, 19129), (665, 19240),

Gene: Easley_20 Start: 17332, Stop: 18912, Start Num: 99

Candidate Starts for Easley_20:

(46, 17215), (Start: 99 @17332 has 65 MA's), (214, 17590), (221, 17611), (246, 17665), (257, 17704), (275, 17761), (283, 17782), (381, 17953), (387, 17971), (394, 17995), (398, 18016), (423, 18058), (451, 18139), (484, 18229), (512, 18331), (513, 18334), (534, 18388), (562, 18478), (635, 18757), (637, 18766), (645, 18796),

Gene: Easy2Say_26 Start: 21080, Stop: 22675, Start Num: 132

Candidate Starts for Easy2Say_26:

(Start: 87 @20996 has 85 MA's), (Start: 132 @21080 has 48 MA's), (Start: 167 @21158 has 1 MA's), (195, 21245), (201, 21260), (215, 21308), (229, 21347), (261, 21434), (274, 21467), (287, 21503), (295, 21533), (297, 21539), (321, 21608), (348, 21638), (351, 21650), (353, 21653), (374, 21710), (424, 21842), (426, 21848), (449, 21914), (451, 21920), (456, 21944), (471, 21992), (479, 22016), (481, 22025), (502, 22100), (532, 22151), (536, 22166), (578, 22328), (583, 22355), (592, 22385), (620, 22490), (650, 22568), (657, 22604), (660, 22613), (667, 22646), (673, 22661),

Gene: Ebert_17 Start: 14758, Stop: 16467, Start Num: 100

Candidate Starts for Ebert_17:

(Start: 100 @14758 has 33 MA's), (157, 14875), (205, 15025), (220, 15064), (225, 15079), (253, 15148), (257, 15160), (283, 15238), (284, 15241), (333, 15373), (352, 15427), (380, 15508), (397, 15568), (398, 15574), (400, 15580), (442, 15661), (451, 15697), (463, 15733), (473, 15751), (485, 15790), (508, 15862), (512, 15886), (583, 16120), (587, 16135), (598, 16177), (623, 16270), (624, 16273), (637, 16321), (645, 16351),

Gene: Ecliptus_24 Start: 18429, Stop: 20138, Start Num: 51

Candidate Starts for Ecliptus_24:

(Start: 51 @18429 has 25 MA's), (53, 18441), (55, 18444), (105, 18546), (124, 18582), (154, 18648), (227, 18792), (230, 18801), (238, 18819), (253, 18861), (255, 18867), (263, 18891), (271, 18915), (290, 18966), (291, 18972), (300, 19002), (345, 19044), (351, 19065), (354, 19071), (361, 19095), (381, 19146), (382, 19149), (391, 19179), (445, 19329), (454, 19365), (495, 19491), (511, 19557), (513, 19566), (518, 19587), (555, 19680), (559, 19701), (561, 19713), (563, 19719), (565, 19728), (566, 19731), (579, 19785), (586, 19815), (603, 19884), (631, 19971), (633, 19977), (647, 20028), (667, 20115), (675, 20133),

Gene: EdmundFerry_31 Start: 27556, Stop: 29175, Start Num: 92

Candidate Starts for EdmundFerry_31:

(Start: 92 @27556 has 11 MA's), (106, 27577), (137, 27640), (186, 27763), (190, 27775), (214, 27832), (247, 27910), (288, 28033), (354, 28147), (366, 28177), (381, 28219), (398, 28282), (423, 28330), (426, 28339), (445, 28390), (457, 28438), (507, 28603), (513, 28633), (558, 28741), (559, 28744), (570, 28789), (582, 28846), (583, 28852), (584, 28858), (597, 28906), (600, 28915), (601, 28921), (602, 28924), (620, 28975), (635, 29020), (653, 29089), (664, 29137), (667, 29149),

Gene: EdnaMode_17 Start: 14694, Stop: 16403, Start Num: 100

Candidate Starts for EdnaMode_17:

(Start: 100 @14694 has 33 MA's), (157, 14811), (181, 14883), (205, 14961), (253, 15084), (260, 15105), (283, 15174), (284, 15177), (301, 15234), (333, 15309), (352, 15363), (380, 15444), (397, 15504), (463, 15669), (473, 15687), (479, 15702), (485, 15726), (508, 15798), (509, 15801), (512, 15822), (583, 16056), (587, 16071), (598, 16113), (623, 16206), (624, 16209), (637, 16257), (645, 16287), (660, 16344),

Gene: Eish_16 Start: 14946, Stop: 16655, Start Num: 83

Candidate Starts for Eish_16:

(Start: 83 @14946 has 222 MA's), (134, 15033), (Start: 158 @15078 has 2 MA's), (165, 15102), (199, 15207), (201, 15213), (206, 15231), (215, 15261), (254, 15366), (276, 15426), (279, 15435), (287, 15456), (294, 15480), (307, 15522), (319, 15555), (322, 15567), (346, 15606), (350, 15621), (353, 15627), (367, 15663), (373, 15678), (374, 15684), (385, 15714), (390, 15732), (394, 15744), (395, 15750), (423, 15810), (443, 15858), (445, 15870), (469, 15945), (471, 15954), (479, 15978), (487, 16008), (529, 16113), (533, 16125), (543, 16161), (562, 16239), (585, 16338), (592, 16359), (600, 16392), (609, 16422), (616, 16452), (619, 16461), (621, 16467), (631, 16482), (632, 16485), (637, 16506), (638, 16509), (652, 16551), (657, 16581), (667, 16623), (668, 16629),

Gene: Ejimix_37 Start: 28088, Stop: 30086, Start Num: 84

Candidate Starts for Ejimix_37:

(Start: 84 @28088 has 30 MA's), (Start: 132 @28178 has 48 MA's), (155, 28226), (165, 28256), (173, 28283), (207, 28385), (216, 28415), (232, 28466), (252, 28514), (263, 28550), (265, 28556), (274, 28577), (297, 28649), (300, 28658), (307, 28679), (353, 28787), (354, 28790), (359, 28805), (374, 28844), (390, 28892), (394, 28904), (395, 28910), (413, 28958), (416, 28967), (424, 28988), (430, 29006), (447, 29054), (478, 29156), (499, 29228), (510, 29273), (512, 29285), (522, 29420), (523, 29426), (524, 29450), (525, 29522), (527, 29549), (593, 29798),

Gene: ElJefes_17 Start: 15890, Stop: 17587, Start Num: 73

Candidate Starts for ElJefes_17:

(Start: 73 @15890 has 9 MA's), (Start: 77 @15893 has 39 MA's), (135, 15992), (154, 16034), (164, 16055), (243, 16274), (283, 16391), (291, 16418), (307, 16463), (312, 16469), (332, 16481), (345, 16496), (350, 16511), (370, 16568), (381, 16601), (385, 16613), (412, 16700), (422, 16718), (432, 16748), (443, 16778), (446, 16793), (458, 16841), (475, 16892), (485, 16928), (490, 16943), (497, 16961), (511, 17018), (559, 17147), (561, 17159), (574, 17207), (585, 17258), (586, 17261), (592, 17279), (612, 17357), (620, 17384), (633, 17426), (669, 17573), (673, 17579),

Gene: EleanorGeorge_16 Start: 14974, Stop: 16683, Start Num: 83

Candidate Starts for EleanorGeorge_16:

(Start: 83 @14974 has 222 MA's), (134, 15061), (Start: 158 @15106 has 2 MA's), (165, 15130), (199, 15235), (201, 15241), (206, 15259), (215, 15289), (254, 15394), (276, 15454), (284, 15475), (287, 15484), (292, 15502), (294, 15508), (346, 15634), (350, 15649), (353, 15655), (367, 15691), (368, 15694), (373, 15706), (374, 15712), (390, 15760), (394, 15772), (395, 15778), (423, 15838), (427, 15850), (443, 15886), (445, 15898), (469, 15973), (471, 15982), (478, 16000), (479, 16006), (487, 16036), (529, 16141), (532, 16150), (533, 16153), (543, 16189), (562, 16267), (585, 16366), (592, 16387), (600, 16420), (609, 16450), (616, 16480), (619, 16489), (621, 16495), (631, 16510), (632, 16513), (638, 16537), (648, 16567), (652, 16579), (657, 16609), (667, 16651),

Gene: Elinal_19 Start: 15418, Stop: 17112, Start Num: 77

Candidate Starts for Elinal_19:

(Start: 73 @15415 has 9 MA's), (Start: 77 @15418 has 39 MA's), (135, 15517), (154, 15559), (243, 15799), (271, 15886), (280, 15907), (283, 15916), (291, 15943), (307, 15988), (345, 16021), (350, 16036), (358, 16060), (370, 16093), (381, 16126), (385, 16138), (401, 16195), (412, 16225), (422, 16243), (432, 16273), (443, 16303), (458, 16366), (475, 16417), (485, 16453), (490, 16468), (497, 16486), (511, 16543), (513, 16552), (559, 16672), (561, 16684), (574, 16732), (585, 16783), (586,

16786), (592, 16804), (612, 16882), (620, 16909), (633, 16951), (669, 17098), (673, 17104),

Gene: Elliott_18 Start: 15729, Stop: 17429, Start Num: 73

Candidate Starts for Elliott_18:

(Start: 73 @15729 has 9 MA's), (Start: 77 @15732 has 39 MA's), (178, 15942), (220, 16065), (243, 16116), (271, 16203), (275, 16212), (283, 16233), (288, 16248), (291, 16260), (345, 16338), (349, 16350), (358, 16377), (370, 16410), (381, 16443), (385, 16455), (396, 16497), (443, 16620), (462, 16692), (485, 16770), (490, 16785), (497, 16803), (511, 16860), (550, 16953), (559, 16989), (561, 17001), (563, 17007), (566, 17019), (569, 17028), (585, 17100), (586, 17103), (588, 17109), (592, 17121), (608, 17181), (620, 17226), (623, 17235), (633, 17268), (652, 17334),

Gene: Elite2014_23 Start: 18953, Stop: 20632, Start Num: 87

Candidate Starts for Elite2014_23:

(Start: 87 @18953 has 85 MA's), (Start: 132 @19037 has 48 MA's), (Start: 167 @19115 has 1 MA's), (195, 19202), (201, 19217), (215, 19265), (229, 19304), (261, 19391), (274, 19424), (287, 19460), (295, 19490), (297, 19496), (321, 19565), (348, 19595), (351, 19607), (353, 19610), (374, 19667), (424, 19799), (426, 19805), (449, 19871), (451, 19877), (456, 19901), (471, 19949), (479, 19973), (481, 19982), (502, 20057), (532, 20108), (536, 20123), (578, 20285), (583, 20312), (592, 20342), (620, 20447), (650, 20525), (657, 20561), (660, 20570), (667, 20603), (673, 20618),

Gene: Elph10_25 Start: 19216, Stop: 20895, Start Num: 87

Candidate Starts for Elph10_25:

(Start: 87 @19216 has 85 MA's), (Start: 132 @19300 has 48 MA's), (Start: 167 @19378 has 1 MA's), (195, 19465), (201, 19480), (215, 19528), (229, 19567), (261, 19654), (274, 19687), (287, 19723), (295, 19753), (297, 19759), (321, 19828), (348, 19858), (351, 19870), (353, 19873), (374, 19930), (424, 20062), (426, 20068), (449, 20134), (451, 20140), (456, 20164), (471, 20212), (479, 20236), (481, 20245), (502, 20320), (532, 20371), (536, 20386), (578, 20548), (583, 20575), (592, 20605), (620, 20710), (650, 20788), (657, 20824), (660, 20833), (667, 20866), (673, 20881),

Gene: Emalyn_17 Start: 15033, Stop: 16727, Start Num: 77

Candidate Starts for Emalyn_17:

(Start: 73 @15030 has 9 MA's), (Start: 77 @15033 has 39 MA's), (135, 15132), (138, 15144), (178, 15240), (206, 15324), (243, 15414), (261, 15474), (291, 15558), (307, 15603), (345, 15636), (349, 15648), (356, 15672), (381, 15741), (385, 15753), (443, 15918), (462, 15990), (485, 16068), (490, 16083), (497, 16101), (511, 16158), (561, 16299), (563, 16305), (566, 16317), (569, 16326), (585, 16398), (586, 16401), (588, 16407), (592, 16419), (620, 16524), (623, 16533), (633, 16566), (673, 16719),

Gene: EmiMonkey_16 Start: 14759, Stop: 16468, Start Num: 83

Candidate Starts for EmiMonkey_16:

(Start: 83 @14759 has 222 MA's), (Start: 158 @14891 has 2 MA's), (165, 14915), (199, 15020), (201, 15026), (206, 15044), (215, 15074), (254, 15179), (276, 15239), (283, 15257), (284, 15260), (287, 15269), (294, 15293), (346, 15419), (350, 15434), (353, 15440), (367, 15476), (368, 15479), (373, 15491), (374, 15497), (390, 15545), (394, 15557), (395, 15563), (423, 15623), (427, 15635), (443, 15671), (445, 15683), (469, 15758), (471, 15767), (478, 15785), (479, 15791), (487, 15821), (529, 15926), (533, 15938), (543, 15974), (562, 16052), (592, 16172), (600, 16205), (609, 16235), (611, 16247), (616, 16265), (618, 16271), (619, 16274), (621, 16280), (631, 16295), (632, 16298), (637, 16319), (638, 16322), (652, 16364), (657, 16394), (667, 16436), (668, 16442),

Gene: Emianna_41 Start: 30825, Stop: 32438, Start Num: 91

Candidate Starts for Emianna_41:

(Start: 91 @30825 has 39 MA's), (Start: 117 @30861 has 1 MA's), (124, 30879), (153, 30939), (246, 31179), (249, 31191), (253, 31206), (278, 31272), (283, 31287), (292, 31311), (293, 31314), (327,

31398), (340, 31428), (342, 31431), (374, 31488), (390, 31536), (391, 31539), (396, 31560), (438, 31665), (451, 31710), (463, 31752), (517, 31926), (533, 31956), (534, 31962), (572, 32070), (573, 32073), (592, 32148), (657, 32367), (673, 32424),

Gene: Emma_16 Start: 14857, Stop: 16566, Start Num: 83

Candidate Starts for Emma_16:

(Start: 83 @14857 has 222 MA's), (134, 14944), (Start: 158 @14989 has 2 MA's), (165, 15013), (199, 15118), (201, 15124), (206, 15142), (215, 15172), (254, 15277), (276, 15337), (284, 15358), (287, 15367), (294, 15391), (346, 15517), (350, 15532), (353, 15538), (367, 15574), (368, 15577), (373, 15589), (374, 15595), (390, 15643), (394, 15655), (395, 15661), (423, 15721), (427, 15733), (443, 15769), (445, 15781), (469, 15856), (471, 15865), (478, 15883), (479, 15889), (487, 15919), (529, 16024), (532, 16033), (533, 16036), (543, 16072), (562, 16150), (585, 16249), (592, 16270), (600, 16303), (609, 16333), (616, 16363), (619, 16372), (621, 16378), (631, 16393), (632, 16396), (638, 16420), (648, 16450), (652, 16462), (657, 16492), (667, 16534),

Gene: Emmaloid_17 Start: 14596, Stop: 16305, Start Num: 83

Candidate Starts for Emmaloid_17:

(Start: 83 @14596 has 222 MA's), (134, 14683), (Start: 158 @14728 has 2 MA's), (165, 14752), (199, 14857), (201, 14863), (206, 14881), (215, 14911), (254, 15016), (276, 15076), (283, 15094), (284, 15097), (287, 15106), (294, 15130), (346, 15256), (350, 15271), (353, 15277), (367, 15313), (368, 15316), (373, 15328), (374, 15334), (390, 15382), (394, 15394), (395, 15400), (423, 15460), (427, 15472), (443, 15508), (445, 15520), (469, 15595), (471, 15604), (478, 15622), (479, 15628), (487, 15658), (529, 15763), (533, 15775), (543, 15811), (562, 15889), (592, 16009), (600, 16042), (609, 16072), (611, 16084), (616, 16102), (618, 16108), (619, 16111), (621, 16117), (631, 16132), (632, 16135), (637, 16156), (638, 16159), (652, 16201), (657, 16231), (667, 16273), (668, 16279),

Gene: Emmina_25 Start: 19661, Stop: 21256, Start Num: 132

Candidate Starts for Emmina_25:

(Start: 87 @19577 has 85 MA's), (Start: 132 @19661 has 48 MA's), (Start: 167 @19739 has 1 MA's), (195, 19826), (201, 19841), (215, 19889), (229, 19928), (261, 20015), (274, 20048), (287, 20084), (295, 20114), (297, 20120), (321, 20189), (348, 20219), (351, 20231), (353, 20234), (374, 20291), (424, 20423), (426, 20429), (449, 20495), (451, 20501), (456, 20525), (471, 20573), (479, 20597), (481, 20606), (502, 20681), (532, 20732), (536, 20747), (578, 20909), (583, 20936), (592, 20966), (620, 21071), (650, 21149), (657, 21185), (660, 21194), (667, 21227), (673, 21242),

Gene: Empress_17 Start: 16157, Stop: 17866, Start Num: 83

Candidate Starts for Empress_17:

(Start: 83 @16157 has 222 MA's), (134, 16244), (Start: 158 @16289 has 2 MA's), (165, 16313), (199, 16418), (201, 16424), (206, 16442), (215, 16472), (254, 16577), (276, 16637), (284, 16658), (287, 16667), (294, 16691), (346, 16817), (350, 16832), (353, 16838), (367, 16874), (368, 16877), (373, 16889), (374, 16895), (390, 16943), (394, 16955), (395, 16961), (423, 17021), (427, 17033), (443, 17069), (445, 17081), (469, 17156), (471, 17165), (478, 17183), (479, 17189), (487, 17219), (529, 17324), (532, 17333), (533, 17336), (543, 17372), (562, 17450), (585, 17549), (592, 17570), (600, 17603), (609, 17633), (616, 17663), (619, 17672), (621, 17678), (631, 17693), (632, 17696), (637, 17717), (638, 17720), (652, 17762), (657, 17792), (667, 17834),

Gene: EnalisNailo_20 Start: 17715, Stop: 19421, Start Num: 51

Candidate Starts for EnalisNailo_20:

(Start: 44 @17691 has 1 MA's), (Start: 51 @17715 has 25 MA's), (Start: 67 @17763 has 29 MA's), (103, 17820), (124, 17862), (220, 18051), (271, 18198), (274, 18204), (290, 18249), (363, 18387), (391, 18462), (484, 18744), (491, 18765), (511, 18840), (541, 18927), (555, 18963), (561, 18996), (563, 19002), (579, 19068), (586, 19098), (631, 19254), (633, 19260), (637, 19278), (665, 19389),

Gene: Enby_17 Start: 14628, Stop: 16337, Start Num: 83

Candidate Starts for Enby_17:

(Start: 83 @14628 has 222 MA's), (134, 14715), (Start: 158 @14760 has 2 MA's), (165, 14784), (184, 14841), (199, 14889), (201, 14895), (206, 14913), (215, 14943), (254, 15048), (273, 15102), (276, 15108), (279, 15117), (284, 15129), (287, 15138), (294, 15162), (305, 15198), (307, 15204), (311, 15216), (319, 15237), (320, 15240), (322, 15249), (328, 15264), (331, 15270), (346, 15288), (350, 15303), (353, 15309), (359, 15327), (360, 15330), (367, 15345), (373, 15360), (374, 15366), (385, 15396), (390, 15414), (394, 15426), (395, 15432), (423, 15492), (427, 15504), (443, 15540), (445, 15552), (451, 15573), (469, 15627), (471, 15636), (479, 15660), (487, 15690), (529, 15795), (533, 15807), (543, 15843), (554, 15882), (562, 15921), (585, 16020), (592, 16041), (600, 16074), (609, 16104), (616, 16134), (619, 16143), (621, 16149), (631, 16164), (632, 16167), (637, 16188), (638, 16191), (652, 16233), (657, 16263), (667, 16305), (668, 16311),

Gene: Engineer_49 Start: 29557, Stop: 31248, Start Num: 74

Candidate Starts for Engineer_49:

(Start: 74 @29557 has 17 MA's), (110, 29617), (129, 29650), (138, 29680), (139, 29683), (201, 29842), (204, 29851), (255, 29980), (272, 30028), (374, 30241), (376, 30247), (385, 30271), (433, 30400), (443, 30421), (451, 30454), (502, 30652), (560, 30805), (583, 30904), (586, 30916), (589, 30925), (614, 31009), (658, 31156), (666, 31192),

Gene: Ennea_47 Start: 31470, Stop: 33092, Start Num: 91

Candidate Starts for Ennea_47:

(Start: 91 @31470 has 39 MA's), (153, 31587), (246, 31827), (249, 31839), (253, 31854), (278, 31920), (283, 31935), (327, 32046), (340, 32076), (342, 32079), (374, 32136), (396, 32208), (438, 32313), (463, 32400), (483, 32448), (517, 32574), (518, 32577), (534, 32610), (560, 32667), (592, 32796), (601, 32835), (638, 32940), (655, 33003), (657, 33015), (661, 33027), (662, 33036), (673, 33072),

Gene: Eradicator_16 Start: 14770, Stop: 16479, Start Num: 83

Candidate Starts for Eradicator_16:

(Start: 83 @14770 has 222 MA's), (134, 14857), (Start: 158 @14902 has 2 MA's), (165, 14926), (184, 14983), (199, 15031), (201, 15037), (206, 15055), (215, 15085), (254, 15190), (273, 15244), (276, 15250), (279, 15259), (287, 15280), (294, 15304), (305, 15340), (307, 15346), (319, 15379), (320, 15382), (322, 15391), (328, 15406), (331, 15412), (346, 15430), (350, 15445), (353, 15451), (359, 15469), (360, 15472), (367, 15487), (373, 15502), (374, 15508), (390, 15556), (394, 15568), (395, 15574), (423, 15634), (427, 15646), (443, 15682), (445, 15694), (469, 15769), (471, 15778), (478, 15796), (479, 15802), (487, 15832), (529, 15937), (533, 15949), (543, 15985), (562, 16063), (592, 16183), (600, 16216), (609, 16246), (611, 16258), (616, 16276), (618, 16282), (619, 16285), (621, 16291), (631, 16306), (632, 16309), (637, 16330), (638, 16333), (652, 16375), (657, 16405), (667, 16447), (668, 16453),

Gene: Estave1_16 Start: 14924, Stop: 16633, Start Num: 83

Candidate Starts for Estave1_16:

(Start: 83 @14924 has 222 MA's), (134, 15011), (Start: 158 @15056 has 2 MA's), (165, 15080), (184, 15137), (199, 15185), (201, 15191), (206, 15209), (209, 15218), (215, 15239), (254, 15344), (273, 15398), (276, 15404), (279, 15413), (287, 15434), (294, 15458), (305, 15494), (307, 15500), (311, 15512), (319, 15533), (331, 15566), (346, 15584), (350, 15599), (353, 15605), (360, 15626), (367, 15641), (373, 15656), (374, 15662), (378, 15671), (390, 15710), (394, 15722), (395, 15728), (423, 15788), (443, 15836), (445, 15848), (451, 15869), (469, 15923), (471, 15932), (479, 15956), (529, 16091), (533, 16103), (543, 16139), (562, 16217), (585, 16316), (592, 16337), (600, 16370), (609, 16400), (616, 16430), (619, 16439), (621, 16445), (631, 16460), (632, 16463), (637, 16484), (638, 16487), (652, 16529), (667, 16601),

Gene: Etoile_19 Start: 16385, Stop: 18121, Start Num: 80

Candidate Starts for Etoile_19:

(Start: 65 @16361 has 2 MA's), (Start: 80 @16385 has 48 MA's), (115, 16445), (125, 16466), (127, 16469), (176, 16589), (190, 16628), (200, 16661), (207, 16685), (250, 16805), (261, 16844), (263, 16850), (292, 16934), (294, 16940), (297, 16952), (305, 16976), (315, 17003), (321, 17021), (337, 17060), (346, 17066), (354, 17090), (374, 17144), (379, 17156), (382, 17165), (398, 17225), (430, 17303), (445, 17342), (453, 17375), (471, 17441), (477, 17456), (479, 17465), (485, 17489), (495, 17519), (499, 17531), (540, 17633), (546, 17645), (547, 17648), (548, 17654), (549, 17663), (576, 17771), (596, 17855), (625, 17954), (660, 18062), (673, 18110),

Gene: Eudoria_19 Start: 17773, Stop: 19371, Start Num: 99

Candidate Starts for Eudoria_19:

(Start: 99 @17773 has 65 MA's), (208, 18022), (214, 18031), (220, 18049), (221, 18052), (246, 18106), (269, 18181), (291, 18250), (294, 18259), (297, 18271), (314, 18322), (328, 18349), (333, 18358), (334, 18361), (380, 18391), (381, 18394), (397, 18451), (423, 18517), (450, 18595), (461, 18628), (473, 18652), (484, 18688), (512, 18790), (534, 18847), (551, 18892), (554, 18898), (562, 18937), (624, 19177), (645, 19255),

Gene: Eureka_24 Start: 19731, Stop: 21410, Start Num: 87

Candidate Starts for Eureka_24:

(Start: 87 @19731 has 85 MA's), (Start: 132 @19815 has 48 MA's), (Start: 167 @19893 has 1 MA's), (195, 19980), (201, 19995), (215, 20043), (229, 20082), (261, 20169), (274, 20202), (287, 20238), (295, 20268), (297, 20274), (321, 20343), (348, 20373), (351, 20385), (353, 20388), (374, 20445), (424, 20577), (426, 20583), (449, 20649), (451, 20655), (456, 20679), (471, 20727), (479, 20751), (481, 20760), (502, 20835), (532, 20886), (536, 20901), (578, 21063), (583, 21090), (592, 21120), (620, 21225), (650, 21303), (657, 21339), (660, 21348), (667, 21381), (673, 21396),

Gene: Eviarto_19 Start: 17764, Stop: 19362, Start Num: 99

Candidate Starts for Eviarto_19:

(Start: 99 @17764 has 65 MA's), (214, 18022), (220, 18040), (221, 18043), (246, 18097), (269, 18172), (291, 18241), (294, 18250), (297, 18262), (314, 18313), (328, 18340), (333, 18349), (334, 18352), (381, 18385), (397, 18442), (423, 18508), (461, 18619), (473, 18643), (484, 18679), (512, 18781), (534, 18838), (562, 18928), (624, 19168), (645, 19246),

Gene: Ewald_22 Start: 18458, Stop: 20104, Start Num: 88

Candidate Starts for Ewald_22:

(29, 18257), (37, 18317), (62, 18410), (Start: 81 @18446 has 2 MA's), (Start: 88 @18458 has 5 MA's), (Start: 96 @18470 has 1 MA's), (144, 18572), (148, 18578), (Start: 167 @18626 has 1 MA's), (175, 18656), (197, 18722), (199, 18728), (243, 18839), (248, 18848), (253, 18875), (256, 18884), (263, 18905), (350, 19076), (351, 19079), (376, 19145), (382, 19160), (396, 19211), (409, 19244), (418, 19253), (433, 19295), (443, 19316), (454, 19364), (457, 19376), (467, 19403), (489, 19472), (506, 19541), (513, 19574), (536, 19631), (545, 19646), (559, 19682), (576, 19751), (597, 19838), (601, 19853), (621, 19910), (624, 19919), (637, 19958), (649, 19997), (651, 20003),

Gene: Eyre_17 Start: 15369, Stop: 17078, Start Num: 100

Candidate Starts for Eyre_17:

(Start: 100 @15369 has 33 MA's), (157, 15486), (205, 15636), (246, 15732), (253, 15759), (284, 15852), (288, 15864), (352, 16038), (391, 16155), (397, 16179), (463, 16344), (485, 16401), (498, 16440), (512, 16497), (513, 16500), (550, 16593), (558, 16626), (623, 16881), (624, 16884), (637, 16932), (645, 16962), (660, 17019),

Gene: Fairfaxidum_19 Start: 16818, Stop: 18467, Start Num: 93

Candidate Starts for Fairfaxidum_19:

(14, 16287), (15, 16317), (16, 16323), (20, 16455), (23, 16512), (25, 16521), (39, 16680), (71, 16782), (Start: 93 @16818 has 51 MA's), (144, 16923), (173, 17001), (200, 17061), (204, 17073), (205, 17076), (219, 17100), (283, 17274), (288, 17289), (331, 17373), (347, 17385), (350, 17394), (351, 17397), (358, 17418), (374, 17460), (385, 17490), (451, 17673), (456, 17697), (475, 17748), (502, 17841), (507, 17853), (515, 17895), (520, 17913), (560, 18048), (583, 18147), (588, 18165), (601, 18216), (622, 18276), (624, 18282), (648, 18357),

Gene: FairyPath_24 Start: 19943, Stop: 21622, Start Num: 87

Candidate Starts for FairyPath_24:

(Start: 87 @19943 has 85 MA's), (Start: 132 @20027 has 48 MA's), (Start: 167 @20105 has 1 MA's), (195, 20192), (201, 20207), (215, 20255), (229, 20294), (261, 20381), (274, 20414), (287, 20450), (295, 20480), (297, 20486), (321, 20555), (348, 20585), (351, 20597), (353, 20600), (374, 20657), (424, 20789), (426, 20795), (449, 20861), (451, 20867), (456, 20891), (471, 20939), (479, 20963), (481, 20972), (502, 21047), (532, 21098), (536, 21113), (578, 21275), (583, 21302), (592, 21332), (620, 21437), (650, 21515), (657, 21551), (660, 21560), (667, 21593), (673, 21608),

Gene: Faith5x5_17 Start: 14654, Stop: 16363, Start Num: 100

Candidate Starts for Faith5x5_17:

(41, 14519), (Start: 100 @14654 has 33 MA's), (122, 14696), (157, 14771), (181, 14843), (182, 14846), (192, 14882), (205, 14921), (225, 14975), (253, 15044), (257, 15056), (283, 15134), (284, 15137), (352, 15323), (380, 15404), (397, 15464), (398, 15470), (423, 15512), (451, 15593), (463, 15629), (473, 15647), (479, 15662), (485, 15686), (509, 15761), (512, 15782), (513, 15785), (583, 16016), (587, 16031), (623, 16166), (624, 16169), (637, 16217), (645, 16247), (655, 16283),

Gene: Familton_57 Start: 33481, Stop: 35217, Start Num: 67

Candidate Starts for Familton_57:

(Start: 63 @33472 has 2 MA's), (Start: 67 @33481 has 29 MA's), (122, 33571), (170, 33688), (184, 33724), (191, 33745), (199, 33772), (201, 33778), (210, 33808), (217, 33832), (236, 33883), (287, 34021), (289, 34027), (304, 34078), (305, 34081), (311, 34099), (346, 34150), (353, 34171), (354, 34174), (373, 34222), (374, 34228), (390, 34276), (392, 34282), (394, 34288), (415, 34348), (423, 34372), (424, 34375), (443, 34420), (446, 34435), (448, 34444), (451, 34453), (464, 34498), (471, 34516), (481, 34549), (533, 34687), (538, 34708), (557, 34774), (563, 34804), (576, 34858), (585, 34900), (592, 34921), (596, 34942), (600, 34954), (606, 34975), (621, 35029), (650, 35107), (657, 35143), (662, 35164), (668, 35191),

Gene: Fancypants_16 Start: 14817, Stop: 16526, Start Num: 83

Candidate Starts for Fancypants_16:

(Start: 83 @14817 has 222 MA's), (134, 14904), (143, 14925), (Start: 158 @14949 has 2 MA's), (165, 14973), (170, 14994), (199, 15078), (201, 15084), (206, 15102), (215, 15132), (254, 15237), (273, 15291), (276, 15297), (283, 15315), (284, 15318), (287, 15327), (294, 15351), (319, 15426), (322, 15438), (328, 15453), (331, 15459), (346, 15477), (350, 15492), (353, 15498), (360, 15519), (367, 15534), (373, 15549), (374, 15555), (390, 15603), (394, 15615), (395, 15621), (423, 15681), (427, 15693), (443, 15729), (445, 15741), (469, 15816), (471, 15825), (478, 15843), (479, 15849), (487, 15879), (529, 15984), (532, 15993), (533, 15996), (543, 16032), (562, 16110), (585, 16209), (592, 16230), (600, 16263), (609, 16293), (616, 16323), (619, 16332), (621, 16338), (631, 16353), (632, 16356), (638, 16380), (648, 16410), (652, 16422), (657, 16452), (667, 16494),

Gene: Fastidio_16 Start: 14771, Stop: 16480, Start Num: 83

Candidate Starts for Fastidio_16:

(Start: 83 @14771 has 222 MA's), (134, 14858), (Start: 158 @14903 has 2 MA's), (165, 14927), (199, 15032), (201, 15038), (206, 15056), (215, 15086), (254, 15191), (273, 15245), (276, 15251), (284, 15272), (287, 15281), (294, 15305), (307, 15347), (346, 15431), (350, 15446), (353, 15452), (367, 15488), (368, 15491), (373, 15503), (374, 15509), (390, 15557), (394, 15569), (395, 15575), (423,

15635), (427, 15647), (443, 15683), (445, 15695), (469, 15770), (471, 15779), (478, 15797), (479, 15803), (487, 15833), (529, 15938), (532, 15947), (533, 15950), (543, 15986), (562, 16064), (585, 16163), (592, 16184), (600, 16217), (609, 16247), (616, 16277), (619, 16286), (621, 16292), (631, 16307), (632, 16310), (638, 16334), (648, 16364), (652, 16376), (657, 16406), (667, 16448),

Gene: Feastonyeet_17 Start: 15461, Stop: 17155, Start Num: 77

Candidate Starts for Feastonyeet_17:

(Start: 73 @15458 has 9 MA's), (Start: 77 @15461 has 39 MA's), (135, 15560), (154, 15602), (180, 15671), (243, 15842), (271, 15929), (280, 15950), (283, 15959), (291, 15986), (307, 16031), (345, 16064), (350, 16079), (358, 16103), (370, 16136), (381, 16169), (385, 16181), (401, 16238), (422, 16286), (432, 16316), (443, 16346), (458, 16409), (475, 16460), (485, 16496), (490, 16511), (497, 16529), (511, 16586), (513, 16595), (559, 16715), (561, 16727), (574, 16775), (585, 16826), (586, 16829), (592, 16847), (612, 16925), (616, 16940), (620, 16952), (633, 16994), (669, 17141), (673, 17147),

Gene: Fenry_18 Start: 16369, Stop: 18015, Start Num: 93

Candidate Starts for Fenry_18:

(71, 16333), (Start: 93 @16369 has 51 MA's), (144, 16471), (Start: 179 @16552 has 11 MA's), (219, 16648), (233, 16687), (251, 16732), (255, 16747), (262, 16768), (283, 16822), (288, 16837), (374, 17008), (385, 17038), (422, 17137), (451, 17221), (456, 17245), (475, 17296), (502, 17389), (507, 17401), (516, 17446), (520, 17461), (559, 17593), (560, 17596), (583, 17695), (588, 17713), (601, 17764), (622, 17824), (624, 17830), (643, 17893), (648, 17905),

Gene: Filch_25 Start: 19504, Stop: 21183, Start Num: 87

Candidate Starts for Filch_25:

(Start: 87 @19504 has 85 MA's), (Start: 132 @19588 has 48 MA's), (Start: 167 @19666 has 1 MA's), (195, 19753), (201, 19768), (215, 19816), (229, 19855), (261, 19942), (274, 19975), (287, 20011), (295, 20041), (297, 20047), (321, 20116), (348, 20146), (351, 20158), (353, 20161), (374, 20218), (424, 20350), (426, 20356), (449, 20422), (451, 20428), (456, 20452), (471, 20500), (479, 20524), (481, 20533), (502, 20608), (532, 20659), (536, 20674), (578, 20836), (583, 20863), (592, 20893), (620, 20998), (650, 21076), (657, 21112), (660, 21121), (667, 21154), (673, 21169),

Gene: Filuzino_16 Start: 14799, Stop: 16508, Start Num: 83

Candidate Starts for Filuzino_16:

(Start: 83 @14799 has 222 MA's), (134, 14886), (Start: 158 @14931 has 2 MA's), (165, 14955), (199, 15060), (201, 15066), (206, 15084), (215, 15114), (254, 15219), (276, 15279), (279, 15288), (283, 15297), (284, 15300), (287, 15309), (294, 15333), (319, 15408), (346, 15459), (350, 15474), (353, 15480), (367, 15516), (368, 15519), (373, 15531), (374, 15537), (390, 15585), (394, 15597), (395, 15603), (423, 15663), (427, 15675), (443, 15711), (445, 15723), (469, 15798), (471, 15807), (478, 15825), (479, 15831), (487, 15861), (529, 15966), (532, 15975), (533, 15978), (543, 16014), (562, 16092), (585, 16191), (592, 16212), (600, 16245), (609, 16275), (616, 16305), (619, 16314), (621, 16320), (631, 16335), (632, 16338), (638, 16362), (648, 16392), (652, 16404), (657, 16434), (667, 16476),

Gene: Finkle_19 Start: 16256, Stop: 17803, Start Num: 109

Candidate Starts for Finkle_19:

(32, 16073), (38, 16106), (94, 16241), (Start: 109 @16256 has 1 MA's), (112, 16262), (140, 16325), (190, 16439), (192, 16448), (193, 16451), (195, 16454), (203, 16475), (220, 16520), (221, 16523), (246, 16577), (283, 16688), (297, 16736), (334, 16823), (375, 16844), (377, 16847), (384, 16865), (423, 16967), (444, 17021), (454, 17066), (484, 17147), (515, 17261), (517, 17267), (537, 17297), (544, 17306), (562, 17372), (598, 17513), (601, 17525), (624, 17600), (635, 17645), (663, 17759), (667, 17774),

Gene: FireRed_24 Start: 19858, Stop: 21453, Start Num: 132

Candidate Starts for FireRed_24:

(Start: 87 @19774 has 85 MA's), (Start: 132 @19858 has 48 MA's), (Start: 167 @19936 has 1 MA's), (195, 20023), (201, 20038), (215, 20086), (229, 20125), (261, 20212), (274, 20245), (287, 20281), (295, 20311), (297, 20317), (321, 20386), (348, 20416), (351, 20428), (353, 20431), (374, 20488), (424, 20620), (426, 20626), (449, 20692), (451, 20698), (456, 20722), (471, 20770), (479, 20794), (481, 20803), (502, 20878), (532, 20929), (536, 20944), (578, 21106), (583, 21133), (592, 21163), (620, 21268), (650, 21346), (657, 21382), (660, 21391), (667, 21424), (673, 21439),

Gene: Firecracker_57 Start: 33671, Stop: 35407, Start Num: 67

Candidate Starts for Firecracker_57:

(Start: 63 @33662 has 2 MA's), (Start: 67 @33671 has 29 MA's), (122, 33761), (170, 33878), (184, 33914), (191, 33935), (199, 33962), (201, 33968), (210, 33998), (217, 34022), (236, 34073), (287, 34211), (289, 34217), (304, 34268), (305, 34271), (311, 34289), (346, 34340), (353, 34361), (354, 34364), (373, 34412), (374, 34418), (390, 34466), (392, 34472), (394, 34478), (415, 34538), (423, 34562), (424, 34565), (443, 34610), (446, 34625), (448, 34634), (451, 34643), (464, 34688), (471, 34706), (481, 34739), (533, 34877), (538, 34898), (557, 34964), (563, 34994), (576, 35048), (585, 35090), (592, 35111), (596, 35132), (600, 35144), (606, 35165), (621, 35219), (650, 35297), (657, 35333), (662, 35354), (668, 35381),

Gene: Firehouse51_17 Start: 15366, Stop: 17075, Start Num: 83

Candidate Starts for Firehouse51_17:

(Start: 83 @15366 has 222 MA's), (134, 15453), (Start: 158 @15498 has 2 MA's), (165, 15522), (199, 15627), (201, 15633), (206, 15651), (215, 15681), (254, 15786), (276, 15846), (284, 15867), (287, 15876), (294, 15900), (305, 15936), (346, 16026), (350, 16041), (353, 16047), (367, 16083), (368, 16086), (373, 16098), (374, 16104), (390, 16152), (394, 16164), (395, 16170), (423, 16230), (427, 16242), (443, 16278), (445, 16290), (469, 16365), (471, 16374), (478, 16392), (479, 16398), (487, 16428), (529, 16533), (532, 16542), (533, 16545), (543, 16581), (562, 16659), (585, 16758), (592, 16779), (600, 16812), (609, 16842), (616, 16872), (619, 16881), (621, 16887), (631, 16902), (632, 16905), (638, 16929), (648, 16959), (652, 16971), (657, 17001), (667, 17043),

Gene: FirstPlacePfu_19 Start: 16385, Stop: 18121, Start Num: 80

Candidate Starts for FirstPlacePfu_19:

(Start: 65 @16361 has 2 MA's), (Start: 80 @16385 has 48 MA's), (115, 16445), (125, 16466), (127, 16469), (176, 16589), (190, 16628), (200, 16661), (207, 16685), (250, 16805), (261, 16844), (263, 16850), (292, 16934), (294, 16940), (297, 16952), (305, 16976), (315, 17003), (321, 17021), (337, 17060), (346, 17066), (354, 17090), (374, 17144), (379, 17156), (382, 17165), (398, 17225), (430, 17303), (445, 17342), (453, 17375), (471, 17441), (477, 17456), (479, 17465), (485, 17489), (495, 17519), (499, 17531), (540, 17633), (546, 17645), (547, 17648), (548, 17654), (549, 17663), (576, 17771), (596, 17855), (625, 17954), (660, 18062), (673, 18110),

Gene: Fishburne_19 Start: 16385, Stop: 18121, Start Num: 80

Candidate Starts for Fishburne_19:

(Start: 65 @16361 has 2 MA's), (Start: 80 @16385 has 48 MA's), (115, 16445), (125, 16466), (127, 16469), (176, 16589), (190, 16628), (200, 16661), (207, 16685), (250, 16805), (261, 16844), (263, 16850), (292, 16934), (294, 16940), (297, 16952), (305, 16976), (315, 17003), (321, 17021), (337, 17060), (346, 17066), (354, 17090), (374, 17144), (379, 17156), (382, 17165), (398, 17225), (430, 17303), (445, 17342), (453, 17375), (471, 17441), (477, 17456), (479, 17465), (485, 17489), (495, 17519), (499, 17531), (540, 17633), (546, 17645), (547, 17648), (548, 17654), (549, 17663), (576, 17771), (596, 17855), (625, 17954), (660, 18062), (673, 18110),

Gene: Flapper_45 Start: 31189, Stop: 32808, Start Num: 91

Candidate Starts for Flapper_45:

(Start: 91 @31189 has 39 MA's), (Start: 100 @31204 has 33 MA's), (Start: 117 @31225 has 1 MA's), (153, 31303), (253, 31570), (263, 31600), (274, 31627), (278, 31636), (283, 31651), (327, 31762), (340, 31792), (342, 31795), (374, 31852), (452, 32077), (463, 32116), (483, 32164), (517, 32290), (534, 32326), (560, 32383), (573, 32437), (592, 32512), (635, 32644), (655, 32719), (657, 32731), (661, 32743), (662, 32752), (673, 32788),

Gene: Flathead_17 Start: 14674, Stop: 16383, Start Num: 83

Candidate Starts for Flathead_17:

(Start: 83 @14674 has 222 MA's), (134, 14761), (Start: 158 @14806 has 2 MA's), (165, 14830), (199, 14935), (201, 14941), (206, 14959), (215, 14989), (254, 15094), (276, 15154), (284, 15175), (287, 15184), (294, 15208), (346, 15334), (350, 15349), (353, 15355), (367, 15391), (368, 15394), (373, 15406), (374, 15412), (390, 15460), (394, 15472), (395, 15478), (423, 15538), (427, 15550), (443, 15586), (445, 15598), (469, 15673), (471, 15682), (478, 15700), (479, 15706), (487, 15736), (529, 15841), (532, 15850), (533, 15853), (543, 15889), (562, 15967), (585, 16066), (592, 16087), (600, 16120), (609, 16150), (616, 16180), (619, 16189), (621, 16195), (631, 16210), (632, 16213), (638, 16237), (648, 16267), (652, 16279), (657, 16309), (667, 16351),

Gene: Float294_43 Start: 30912, Stop: 32534, Start Num: 91

Candidate Starts for Float294_43:

(Start: 91 @30912 has 39 MA's), (153, 31029), (183, 31107), (246, 31269), (249, 31281), (253, 31296), (278, 31362), (283, 31377), (327, 31488), (340, 31518), (342, 31521), (374, 31578), (396, 31650), (428, 31734), (438, 31755), (463, 31842), (483, 31890), (517, 32016), (518, 32019), (534, 32052), (560, 32109), (592, 32238), (601, 32277), (638, 32382), (655, 32445), (657, 32457), (661, 32469), (662, 32478), (673, 32514),

Gene: Floral_20 Start: 17566, Stop: 19272, Start Num: 51

Candidate Starts for Floral_20:

(Start: 44 @17542 has 1 MA's), (Start: 51 @17566 has 25 MA's), (103, 17671), (124, 17713), (169, 17788), (220, 17902), (271, 18049), (274, 18055), (290, 18100), (363, 18238), (391, 18313), (484, 18595), (491, 18616), (511, 18691), (541, 18778), (555, 18814), (561, 18847), (563, 18853), (579, 18919), (586, 18949), (631, 19105), (633, 19111), (637, 19129), (665, 19240),

Gene: Florinda_16 Start: 14828, Stop: 16537, Start Num: 83

Candidate Starts for Florinda_16:

(Start: 83 @14828 has 222 MA's), (134, 14915), (Start: 158 @14960 has 2 MA's), (165, 14984), (199, 15089), (201, 15095), (206, 15113), (215, 15143), (254, 15248), (276, 15308), (284, 15329), (287, 15338), (294, 15362), (346, 15488), (350, 15503), (353, 15509), (359, 15527), (360, 15530), (367, 15545), (368, 15548), (373, 15560), (374, 15566), (378, 15575), (390, 15614), (394, 15626), (395, 15632), (423, 15692), (443, 15740), (445, 15752), (469, 15827), (471, 15836), (478, 15854), (479, 15860), (487, 15890), (529, 15995), (533, 16007), (543, 16043), (562, 16121), (585, 16220), (592, 16241), (600, 16274), (609, 16304), (616, 16334), (619, 16343), (621, 16349), (631, 16364), (632, 16367), (637, 16388), (638, 16391), (652, 16433), (657, 16463), (667, 16505),

Gene: Flypotenuse_22 Start: 19446, Stop: 21041, Start Num: 132

Candidate Starts for Flypotenuse_22:

(Start: 87 @19362 has 85 MA's), (Start: 132 @19446 has 48 MA's), (Start: 167 @19524 has 1 MA's), (195, 19611), (201, 19626), (215, 19674), (229, 19713), (261, 19800), (274, 19833), (287, 19869), (295, 19899), (297, 19905), (321, 19974), (348, 20004), (351, 20016), (353, 20019), (374, 20076), (424, 20208), (426, 20214), (449, 20280), (451, 20286), (456, 20310), (471, 20358), (479, 20382), (481, 20391), (502, 20466), (532, 20517), (536, 20532), (578, 20694), (583, 20721), (592, 20751), (620, 20856), (650, 20934), (657, 20970), (660, 20979), (667, 21012), (673, 21027),

Gene: FoghornLeghorn_23 Start: 19334, Stop: 20929, Start Num: 132

Candidate Starts for FoghornLeghorn_23:

(Start: 87 @19250 has 85 MA's), (Start: 132 @19334 has 48 MA's), (Start: 167 @19412 has 1 MA's), (195, 19499), (201, 19514), (215, 19562), (229, 19601), (261, 19688), (274, 19721), (287, 19757), (295, 19787), (297, 19793), (321, 19862), (348, 19892), (351, 19904), (353, 19907), (374, 19964), (424, 20096), (426, 20102), (449, 20168), (451, 20174), (456, 20198), (471, 20246), (479, 20270), (481, 20279), (502, 20354), (532, 20405), (536, 20420), (578, 20582), (583, 20609), (592, 20639), (620, 20744), (650, 20822), (657, 20858), (660, 20867), (667, 20900), (673, 20915),

Gene: Forza_101 Start: 59948, Stop: 61576, Start Num: 82

Candidate Starts for Forza_101:

(Start: 82 @59948 has 4 MA's), (Start: 93 @59963 has 51 MA's), (Start: 99 @59966 has 65 MA's), (113, 59993), (138, 60050), (157, 60086), (Start: 167 @60119 has 1 MA's), (181, 60149), (182, 60152), (205, 60221), (212, 60227), (271, 60392), (287, 60434), (290, 60443), (292, 60452), (295, 60464), (366, 60584), (423, 60737), (445, 60797), (490, 60944), (495, 60965), (499, 60980), (517, 61058), (519, 61064), (566, 61181), (570, 61196), (583, 61253), (592, 61283), (600, 61316), (639, 61436), (673, 61565),

Gene: FoulBall_56 Start: 33475, Stop: 35211, Start Num: 67

Candidate Starts for FoulBall_56:

(Start: 63 @33466 has 2 MA's), (Start: 67 @33475 has 29 MA's), (122, 33565), (170, 33682), (184, 33718), (191, 33739), (199, 33766), (201, 33772), (210, 33802), (217, 33826), (236, 33877), (287, 34015), (289, 34021), (304, 34072), (305, 34075), (311, 34093), (346, 34144), (353, 34165), (354, 34168), (373, 34216), (374, 34222), (390, 34270), (392, 34276), (394, 34282), (415, 34342), (423, 34366), (424, 34369), (443, 34414), (446, 34429), (448, 34438), (451, 34447), (464, 34492), (471, 34510), (481, 34543), (533, 34681), (538, 34702), (557, 34768), (563, 34798), (576, 34852), (585, 34894), (592, 34915), (596, 34936), (600, 34948), (606, 34969), (621, 35023), (650, 35101), (657, 35137), (662, 35158), (668, 35185),

Gene: Foxboro_42 Start: 31331, Stop: 32944, Start Num: 91

Candidate Starts for Foxboro_42:

(Start: 91 @31331 has 39 MA's), (Start: 117 @31367 has 1 MA's), (124, 31385), (153, 31445), (246, 31685), (249, 31697), (253, 31712), (278, 31778), (283, 31793), (292, 31817), (293, 31820), (327, 31904), (340, 31934), (342, 31937), (374, 31994), (390, 32042), (391, 32045), (396, 32066), (438, 32171), (451, 32216), (463, 32258), (517, 32432), (533, 32462), (534, 32468), (572, 32576), (573, 32579), (592, 32654), (657, 32873), (673, 32930),

Gene: Frankie_17 Start: 14912, Stop: 16621, Start Num: 83

Candidate Starts for Frankie_17:

(Start: 83 @14912 has 222 MA's), (134, 14999), (Start: 158 @15044 has 2 MA's), (165, 15068), (170, 15089), (199, 15173), (201, 15179), (206, 15197), (215, 15227), (254, 15332), (276, 15392), (279, 15401), (283, 15410), (284, 15413), (287, 15422), (294, 15446), (319, 15521), (346, 15572), (350, 15587), (353, 15593), (367, 15629), (373, 15644), (374, 15650), (390, 15698), (394, 15710), (395, 15716), (423, 15776), (427, 15788), (443, 15824), (445, 15836), (469, 15911), (471, 15920), (478, 15938), (479, 15944), (487, 15974), (529, 16079), (533, 16091), (543, 16127), (562, 16205), (592, 16325), (600, 16358), (609, 16388), (616, 16418), (619, 16427), (621, 16433), (631, 16448), (632, 16451), (638, 16475), (648, 16505), (652, 16517), (657, 16547), (667, 16589),

Gene: FreddyB_16 Start: 14816, Stop: 16525, Start Num: 83

Candidate Starts for FreddyB_16:

(Start: 83 @14816 has 222 MA's), (134, 14903), (Start: 158 @14948 has 2 MA's), (165, 14972), (199, 15077), (201, 15083), (206, 15101), (215, 15131), (254, 15236), (276, 15296), (284, 15317), (287, 15326), (294, 15350), (346, 15476), (350, 15491), (353, 15497), (367, 15533), (368, 15536), (373, 15548), (374, 15554), (390, 15602), (394, 15614), (395, 15620), (423, 15680), (427, 15692), (443,

15728), (445, 15740), (469, 15815), (471, 15824), (478, 15842), (479, 15848), (487, 15878), (529, 15983), (533, 15995), (543, 16031), (562, 16109), (592, 16229), (600, 16262), (609, 16292), (616, 16322), (619, 16331), (621, 16337), (631, 16352), (632, 16355), (638, 16379), (648, 16409), (652, 16421), (657, 16451), (667, 16493),

Gene: Frizzle_16 Start: 14350, Stop: 15954, Start Num: 93

Candidate Starts for Frizzle_16:

(23, 14044), (78, 14323), (Start: 93 @14350 has 51 MA's), (203, 14605), (204, 14608), (205, 14611), (219, 14635), (221, 14641), (237, 14683), (326, 14905), (350, 14929), (351, 14932), (353, 14935), (374, 14995), (409, 15106), (411, 15109), (439, 15166), (449, 15205), (451, 15211), (495, 15346), (507, 15391), (513, 15421), (588, 15652), (596, 15685), (616, 15745), (624, 15769), (670, 15937), (674, 15943),

Gene: FroggyToad_17 Start: 14704, Stop: 16413, Start Num: 100

Candidate Starts for FroggyToad_17:

(41, 14569), (Start: 100 @14704 has 33 MA's), (122, 14746), (157, 14821), (181, 14893), (182, 14896), (205, 14971), (225, 15025), (246, 15067), (253, 15094), (257, 15106), (267, 15136), (283, 15184), (284, 15187), (297, 15232), (352, 15373), (380, 15454), (397, 15514), (400, 15526), (423, 15562), (451, 15643), (463, 15679), (479, 15712), (485, 15736), (508, 15808), (512, 15832), (583, 16066), (587, 16081), (598, 16123), (623, 16216), (624, 16219), (637, 16267), (645, 16297), (655, 16333),

Gene: Frokostdame_19 Start: 16616, Stop: 18265, Start Num: 93

Candidate Starts for Frokostdame_19:

(71, 16580), (Start: 93 @16616 has 51 MA's), (101, 16625), (144, 16721), (173, 16799), (219, 16898), (233, 16937), (262, 17018), (283, 17072), (288, 17087), (331, 17171), (374, 17258), (385, 17288), (451, 17471), (456, 17495), (475, 17546), (502, 17639), (507, 17651), (516, 17696), (520, 17711), (529, 17738), (559, 17843), (560, 17846), (583, 17945), (588, 17963), (601, 18014), (622, 18074), (624, 18080), (648, 18155),

Gene: Fruitloop_16 Start: 14838, Stop: 16547, Start Num: 83

Candidate Starts for Fruitloop_16:

(Start: 83 @14838 has 222 MA's), (134, 14925), (Start: 158 @14970 has 2 MA's), (165, 14994), (199, 15099), (201, 15105), (206, 15123), (215, 15153), (254, 15258), (276, 15318), (284, 15339), (287, 15348), (292, 15366), (294, 15372), (346, 15498), (350, 15513), (353, 15519), (367, 15555), (368, 15558), (373, 15570), (374, 15576), (390, 15624), (394, 15636), (395, 15642), (423, 15702), (427, 15714), (443, 15750), (445, 15762), (469, 15837), (471, 15846), (478, 15864), (479, 15870), (487, 15900), (529, 16005), (532, 16014), (533, 16017), (543, 16053), (562, 16131), (585, 16230), (592, 16251), (600, 16284), (609, 16314), (616, 16344), (619, 16353), (621, 16359), (631, 16374), (632, 16377), (638, 16401), (648, 16431), (652, 16443), (657, 16473), (667, 16515),

Gene: Fulbright_18 Start: 14986, Stop: 16695, Start Num: 86

Candidate Starts for Fulbright_18:

(Start: 86 @14986 has 47 MA's), (104, 15013), (Start: 158 @15118 has 2 MA's), (161, 15130), (171, 15166), (190, 15217), (199, 15247), (201, 15253), (209, 15280), (211, 15286), (254, 15406), (273, 15460), (276, 15466), (283, 15484), (287, 15496), (288, 15499), (294, 15520), (307, 15562), (319, 15595), (346, 15646), (350, 15661), (367, 15703), (373, 15718), (374, 15724), (390, 15772), (396, 15796), (406, 15826), (423, 15850), (445, 15910), (448, 15922), (464, 15976), (469, 15985), (486, 16045), (487, 16048), (529, 16153), (532, 16162), (543, 16201), (577, 16339), (615, 16489), (616, 16492), (619, 16501), (631, 16522), (638, 16549), (650, 16585), (673, 16678),

Gene: Fury_50 Start: 30682, Stop: 32301, Start Num: 91

Candidate Starts for Fury_50:

(Start: 91 @30682 has 39 MA's), (Start: 100 @30697 has 33 MA's), (124, 30736), (153, 30796), (184, 30880), (253, 31063), (278, 31129), (283, 31144), (295, 31180), (327, 31255), (340, 31285), (342, 31288), (346, 31306), (374, 31345), (385, 31375), (453, 31579), (463, 31609), (483, 31657), (484, 31660), (517, 31783), (534, 31819), (592, 32005), (641, 32158), (655, 32212), (657, 32224), (661, 32236), (673, 32281),

Gene: GAL1_20 Start: 16985, Stop: 18748, Start Num: 53

Candidate Starts for GAL1_20:

(52, 16976), (53, 16985), (Start: 97 @17072 has 8 MA's), (Start: 117 @17108 has 1 MA's), (138, 17159), (150, 17183), (154, 17189), (172, 17249), (177, 17264), (206, 17339), (208, 17345), (232, 17414), (247, 17444), (253, 17471), (255, 17477), (265, 17507), (271, 17525), (282, 17552), (285, 17561), (288, 17570), (290, 17576), (291, 17582), (300, 17612), (345, 17654), (351, 17675), (354, 17681), (356, 17693), (382, 17759), (390, 17786), (391, 17789), (441, 17915), (454, 17975), (466, 18011), (484, 18071), (485, 18074), (491, 18092), (495, 18101), (511, 18167), (513, 18176), (555, 18290), (561, 18323), (565, 18338), (568, 18347), (579, 18395), (586, 18425), (601, 18482), (602, 18485), (603, 18494), (616, 18536), (631, 18581), (633, 18587), (639, 18611), (641, 18617), (647, 18638), (660, 18692), (665, 18716), (669, 18734), (675, 18743),

Gene: GMA1_19 Start: 15927, Stop: 17480, Start Num: 109

Candidate Starts for GMA1_19:

(38, 15795), (Start: 109 @15927 has 1 MA's), (149, 16008), (168, 16050), (190, 16116), (192, 16125), (193, 16128), (195, 16131), (214, 16179), (220, 16197), (221, 16200), (283, 16365), (294, 16401), (297, 16413), (301, 16425), (380, 16530), (384, 16542), (392, 16569), (448, 16719), (473, 16788), (484, 16824), (515, 16938), (517, 16944), (537, 16974), (544, 16983), (556, 17019), (558, 17031), (567, 17067), (570, 17079), (598, 17190), (601, 17202), (624, 17277), (632, 17310), (635, 17322), (647, 17364), (650, 17373), (663, 17436),

Gene: GMA2_30 Start: 31614, Stop: 33245, Start Num: 85

Candidate Starts for GMA2_30:

(Start: 85 @31614 has 14 MA's), (Start: 167 @31785 has 1 MA's), (186, 31833), (191, 31848), (212, 31893), (274, 32064), (287, 32100), (290, 32109), (291, 32115), (292, 32118), (295, 32130), (366, 32250), (403, 32367), (426, 32412), (490, 32613), (495, 32634), (499, 32649), (513, 32709), (550, 32787), (557, 32808), (558, 32817), (570, 32865), (656, 33171), (667, 33219),

Gene: GMA4_18 Start: 16957, Stop: 18117, Start Num: 144

Candidate Starts for GMA4_18:

(144, 16957), (145, 16960), (148, 16963), (154, 16972), (172, 17032), (173, 17035), (189, 17068), (206, 17125), (222, 17179), (228, 17191), (239, 17218), (254, 17263), (317, 17452), (338, 17506), (341, 17512), (365, 17602), (399, 17713), (436, 17815), (455, 17887), (501, 18070),

Gene: GRU1_31 Start: 23089, Stop: 24708, Start Num: 91

Candidate Starts for GRU1_31:

(Start: 91 @23089 has 39 MA's), (Start: 100 @23104 has 33 MA's), (Start: 117 @23125 has 1 MA's), (153, 23203), (201, 23341), (253, 23470), (263, 23500), (274, 23527), (278, 23536), (283, 23551), (327, 23662), (340, 23692), (342, 23695), (374, 23752), (452, 23977), (463, 24016), (483, 24064), (517, 24190), (534, 24226), (560, 24283), (573, 24337), (592, 24412), (635, 24544), (655, 24619), (657, 24631), (661, 24643), (662, 24652), (673, 24688),

Gene: GTE2_16 Start: 15173, Stop: 16768, Start Num: 135

Candidate Starts for GTE2_16:

(Start: 73 @15068 has 9 MA's), (Start: 77 @15071 has 39 MA's), (135, 15173), (138, 15185), (178, 15281), (206, 15365), (243, 15455), (261, 15515), (271, 15542), (283, 15572), (284, 15575), (291, 15599), (300, 15629), (307, 15644), (345, 15677), (349, 15689), (350, 15692), (356, 15713), (381,

15782), (385, 15794), (396, 15836), (443, 15959), (485, 16109), (490, 16124), (497, 16142), (511, 16199), (561, 16340), (563, 16346), (566, 16358), (569, 16367), (585, 16439), (586, 16442), (588, 16448), (592, 16460), (616, 16553), (620, 16565), (623, 16574), (633, 16607),

Gene: GTE5_32 Start: 24044, Stop: 25663, Start Num: 91

Candidate Starts for GTE5_32:

(Start: 91 @24044 has 39 MA's), (Start: 100 @24059 has 33 MA's), (Start: 117 @24080 has 1 MA's), (153, 24158), (253, 24425), (263, 24455), (274, 24482), (278, 24491), (283, 24506), (327, 24617), (340, 24647), (342, 24650), (374, 24707), (438, 24884), (452, 24932), (463, 24971), (467, 24980), (483, 25019), (517, 25145), (534, 25181), (560, 25238), (573, 25292), (592, 25367), (635, 25499), (655, 25574), (657, 25586), (661, 25598), (662, 25607), (673, 25643),

Gene: GTE6_32 Start: 28048, Stop: 29667, Start Num: 92

Candidate Starts for GTE6_32:

(Start: 92 @28048 has 11 MA's), (106, 28069), (137, 28132), (186, 28255), (190, 28267), (214, 28324), (247, 28402), (288, 28525), (354, 28639), (366, 28669), (381, 28711), (398, 28774), (423, 28822), (426, 28831), (445, 28882), (457, 28930), (507, 29095), (513, 29125), (557, 29224), (558, 29233), (559, 29236), (570, 29281), (582, 29338), (583, 29344), (584, 29350), (597, 29398), (600, 29407), (601, 29413), (602, 29416), (620, 29467), (635, 29512), (653, 29581), (664, 29629), (667, 29641),

Gene: GTE8_30 Start: 24084, Stop: 25697, Start Num: 91

Candidate Starts for GTE8_30:

(Start: 91 @24084 has 39 MA's), (Start: 117 @24120 has 1 MA's), (153, 24198), (246, 24438), (249, 24450), (253, 24465), (278, 24531), (283, 24546), (292, 24570), (327, 24657), (340, 24687), (342, 24690), (371, 24735), (374, 24747), (390, 24795), (391, 24798), (396, 24819), (451, 24969), (463, 25011), (517, 25185), (534, 25221), (572, 25329), (573, 25332), (592, 25407), (657, 25626), (673, 25683),

Gene: GUmbie_16 Start: 14805, Stop: 16514, Start Num: 83

Candidate Starts for GUmbie_16:

(Start: 83 @14805 has 222 MA's), (134, 14892), (Start: 158 @14937 has 2 MA's), (165, 14961), (199, 15066), (201, 15072), (206, 15090), (215, 15120), (254, 15225), (273, 15279), (276, 15285), (279, 15294), (284, 15306), (287, 15315), (294, 15339), (305, 15375), (307, 15381), (311, 15393), (319, 15414), (320, 15417), (322, 15426), (328, 15441), (331, 15447), (346, 15465), (350, 15480), (353, 15486), (359, 15504), (360, 15507), (367, 15522), (373, 15537), (374, 15543), (385, 15573), (390, 15591), (394, 15603), (395, 15609), (423, 15669), (427, 15681), (443, 15717), (445, 15729), (451, 15750), (469, 15804), (471, 15813), (479, 15837), (487, 15867), (529, 15972), (533, 15984), (543, 16020), (554, 16059), (562, 16098), (585, 16197), (592, 16218), (600, 16251), (609, 16281), (616, 16311), (619, 16320), (621, 16326), (631, 16341), (632, 16344), (637, 16365), (638, 16368), (652, 16410), (657, 16440), (667, 16482), (668, 16488),

Gene: Gage_26 Start: 19820, Stop: 21415, Start Num: 132

Candidate Starts for Gage_26:

(Start: 87 @19736 has 85 MA's), (Start: 132 @19820 has 48 MA's), (Start: 167 @19898 has 1 MA's), (195, 19985), (201, 20000), (215, 20048), (229, 20087), (261, 20174), (274, 20207), (287, 20243), (295, 20273), (297, 20279), (321, 20348), (348, 20378), (351, 20390), (353, 20393), (374, 20450), (424, 20582), (426, 20588), (449, 20654), (451, 20660), (456, 20684), (471, 20732), (479, 20756), (481, 20765), (502, 20840), (532, 20891), (536, 20906), (578, 21068), (583, 21095), (592, 21125), (620, 21230), (650, 21308), (657, 21344), (660, 21353), (667, 21386), (673, 21401),

Gene: Gagieri_45 Start: 31180, Stop: 32754, Start Num: 99

Candidate Starts for Gagieri_45:

(Start: 99 @31180 has 65 MA's), (104, 31189), (108, 31192), (135, 31243), (151, 31267), (153, 31270), (249, 31522), (254, 31540), (278, 31603), (283, 31618), (335, 31735), (342, 31750), (374, 31807), (378, 31816), (391, 31858), (396, 31879), (407, 31909), (428, 31963), (492, 32137), (517, 32242), (518, 32245), (533, 32272), (567, 32365), (600, 32497), (620, 32545), (639, 32611), (648, 32641), (664, 32713),

Gene: Galactic_16 Start: 14803, Stop: 16512, Start Num: 83

Candidate Starts for Galactic_16:

(Start: 83 @14803 has 222 MA's), (134, 14890), (Start: 158 @14935 has 2 MA's), (165, 14959), (199, 15064), (201, 15070), (206, 15088), (215, 15118), (254, 15223), (276, 15283), (284, 15304), (287, 15313), (294, 15337), (346, 15463), (350, 15478), (353, 15484), (367, 15520), (368, 15523), (373, 15535), (374, 15541), (390, 15589), (394, 15601), (395, 15607), (423, 15667), (427, 15679), (443, 15715), (445, 15727), (469, 15802), (471, 15811), (478, 15829), (479, 15835), (487, 15865), (529, 15970), (532, 15979), (533, 15982), (543, 16018), (562, 16096), (585, 16195), (592, 16216), (600, 16249), (609, 16279), (616, 16309), (619, 16318), (621, 16324), (631, 16339), (632, 16342), (638, 16366), (648, 16396), (652, 16408), (657, 16438), (667, 16480),

Gene: Gallia_42 Start: 34784, Stop: 36412, Start Num: 94

Candidate Starts for Gallia_42:

(94, 34784), (194, 35006), (220, 35087), (228, 35108), (254, 35174), (283, 35249), (284, 35252), (335, 35387), (374, 35459), (378, 35468), (410, 35567), (449, 35675), (508, 35852), (542, 35948), (567, 36017), (577, 36056), (595, 36128), (610, 36182), (621, 36206), (624, 36215), (644, 36296), (667, 36386),

Gene: GaloreK_19 Start: 16381, Stop: 18117, Start Num: 80

Candidate Starts for GaloreK_19:

(Start: 65 @16357 has 2 MA's), (Start: 80 @16381 has 48 MA's), (115, 16441), (125, 16462), (127, 16465), (176, 16585), (190, 16624), (200, 16657), (207, 16681), (250, 16801), (261, 16840), (263, 16846), (292, 16930), (294, 16936), (297, 16948), (305, 16972), (315, 16999), (321, 17017), (337, 17056), (346, 17062), (354, 17086), (374, 17140), (379, 17152), (382, 17161), (398, 17221), (430, 17299), (445, 17338), (453, 17371), (471, 17437), (477, 17452), (479, 17461), (485, 17485), (495, 17515), (499, 17527), (540, 17629), (546, 17641), (547, 17644), (548, 17650), (549, 17659), (576, 17767), (596, 17851), (625, 17950), (660, 18058), (673, 18106),

Gene: Gambino_21 Start: 16962, Stop: 18611, Start Num: 93

Candidate Starts for Gambino_21:

(71, 16926), (Start: 93 @16962 has 51 MA's), (101, 16971), (144, 17067), (173, 17145), (204, 17217), (219, 17244), (233, 17283), (262, 17364), (283, 17418), (374, 17604), (385, 17634), (422, 17733), (451, 17817), (456, 17841), (475, 17892), (502, 17985), (507, 17997), (516, 18042), (520, 18057), (559, 18189), (560, 18192), (583, 18291), (588, 18309), (601, 18360), (622, 18420), (624, 18426), (648, 18501),

Gene: Gandolph_16 Start: 14822, Stop: 16531, Start Num: 83

Candidate Starts for Gandolph_16:

(Start: 83 @14822 has 222 MA's), (134, 14909), (Start: 158 @14954 has 2 MA's), (165, 14978), (199, 15083), (201, 15089), (206, 15107), (215, 15137), (254, 15242), (273, 15296), (276, 15302), (279, 15311), (284, 15323), (287, 15332), (294, 15356), (305, 15392), (307, 15398), (311, 15410), (319, 15431), (320, 15434), (322, 15443), (328, 15458), (331, 15464), (346, 15482), (350, 15497), (353, 15503), (359, 15521), (360, 15524), (367, 15539), (368, 15542), (373, 15554), (374, 15560), (390, 15608), (394, 15620), (395, 15626), (423, 15686), (427, 15698), (443, 15734), (445, 15746), (451, 15767), (469, 15821), (471, 15830), (478, 15848), (479, 15854), (487, 15884), (529, 15989), (532, 15998), (533, 16001), (543, 16037), (554, 16076), (562, 16115), (585, 16214), (592, 16235), (600, 16268), (609, 16298), (616, 16328), (619, 16337), (621, 16343), (631, 16358), (632, 16361), (638,

16385), (648, 16415), (652, 16427), (657, 16457), (667, 16499),

Gene: Gator_22 Start: 19361, Stop: 21040, Start Num: 87

Candidate Starts for Gator_22:

(Start: 87 @19361 has 85 MA's), (Start: 132 @19445 has 48 MA's), (Start: 167 @19523 has 1 MA's), (195, 19610), (201, 19625), (215, 19673), (229, 19712), (261, 19799), (274, 19832), (287, 19868), (295, 19898), (297, 19904), (321, 19973), (348, 20003), (351, 20015), (353, 20018), (374, 20075), (424, 20207), (426, 20213), (449, 20279), (451, 20285), (456, 20309), (471, 20357), (479, 20381), (481, 20390), (502, 20465), (532, 20516), (536, 20531), (578, 20693), (583, 20720), (592, 20750), (620, 20855), (650, 20933), (657, 20969), (660, 20978), (667, 21011), (673, 21026),

Gene: Gavriela_19 Start: 16273, Stop: 18009, Start Num: 80

Candidate Starts for Gavriela_19:

(Start: 65 @16249 has 2 MA's), (Start: 80 @16273 has 48 MA's), (115, 16333), (125, 16354), (127, 16357), (176, 16477), (190, 16516), (200, 16549), (207, 16573), (250, 16693), (261, 16732), (263, 16738), (292, 16822), (294, 16828), (297, 16840), (305, 16864), (315, 16891), (321, 16909), (337, 16948), (346, 16954), (354, 16978), (374, 17032), (379, 17044), (382, 17053), (398, 17113), (430, 17191), (445, 17230), (453, 17263), (471, 17329), (479, 17353), (485, 17377), (495, 17407), (540, 17521), (546, 17533), (548, 17542), (549, 17551), (576, 17659), (596, 17743), (625, 17842), (660, 17950), (673, 17998),

Gene: Geeche_47 Start: 29431, Stop: 31122, Start Num: 74

Candidate Starts for Geeche_47:

(Start: 74 @29431 has 17 MA's), (110, 29491), (129, 29524), (139, 29557), (190, 29683), (201, 29716), (204, 29725), (255, 29854), (272, 29902), (374, 30115), (376, 30121), (385, 30145), (433, 30274), (443, 30295), (451, 30328), (502, 30526), (560, 30679), (583, 30778), (586, 30790), (589, 30799), (614, 30883), (658, 31030), (666, 31066), (669, 31078),

Gene: GemG_17 Start: 14758, Stop: 16467, Start Num: 100

Candidate Starts for GemG_17:

(Start: 100 @14758 has 33 MA's), (157, 14875), (205, 15025), (220, 15064), (225, 15079), (253, 15148), (257, 15160), (283, 15238), (284, 15241), (333, 15373), (352, 15427), (380, 15508), (397, 15568), (398, 15574), (400, 15580), (442, 15661), (451, 15697), (463, 15733), (473, 15751), (485, 15790), (508, 15862), (512, 15886), (583, 16120), (587, 16135), (598, 16177), (623, 16270), (624, 16273), (637, 16321), (645, 16351),

Gene: Gemini_27 Start: 20253, Stop: 21932, Start Num: 87

Candidate Starts for Gemini_27:

(Start: 87 @20253 has 85 MA's), (Start: 132 @20337 has 48 MA's), (Start: 167 @20415 has 1 MA's), (195, 20502), (201, 20517), (215, 20565), (229, 20604), (261, 20691), (274, 20724), (287, 20760), (295, 20790), (297, 20796), (321, 20865), (348, 20895), (351, 20907), (353, 20910), (374, 20967), (424, 21099), (426, 21105), (449, 21171), (451, 21177), (456, 21201), (471, 21249), (479, 21273), (481, 21282), (502, 21357), (532, 21408), (536, 21423), (578, 21585), (583, 21612), (592, 21642), (620, 21747), (650, 21825), (657, 21861), (660, 21870), (667, 21903), (673, 21918),

Gene: Geralt_16 Start: 14805, Stop: 16514, Start Num: 83

Candidate Starts for Geralt_16:

(Start: 83 @14805 has 222 MA's), (134, 14892), (Start: 158 @14937 has 2 MA's), (165, 14961), (199, 15066), (201, 15072), (206, 15090), (215, 15120), (254, 15225), (276, 15285), (284, 15306), (287, 15315), (294, 15339), (346, 15465), (350, 15480), (353, 15486), (367, 15522), (368, 15525), (373, 15537), (374, 15543), (390, 15591), (394, 15603), (395, 15609), (423, 15669), (427, 15681), (443, 15717), (445, 15729), (469, 15804), (471, 15813), (478, 15831), (479, 15837), (487, 15867), (529, 15972), (532, 15981), (533, 15984), (543, 16020), (562, 16098), (585, 16197), (592, 16218), (600,

16251), (609, 16281), (616, 16311), (619, 16320), (621, 16326), (631, 16341), (632, 16344), (638, 16368), (648, 16398), (652, 16410), (657, 16440), (667, 16482),

Gene: Gex_18 Start: 14985, Stop: 16694, Start Num: 86

Candidate Starts for Gex_18:

(Start: 86 @14985 has 47 MA's), (104, 15012), (Start: 158 @15117 has 2 MA's), (161, 15129), (171, 15165), (190, 15216), (199, 15246), (201, 15252), (209, 15279), (211, 15285), (254, 15405), (273, 15459), (276, 15465), (283, 15483), (287, 15495), (288, 15498), (294, 15519), (307, 15561), (319, 15594), (346, 15645), (350, 15660), (367, 15702), (373, 15717), (374, 15723), (390, 15771), (396, 15795), (406, 15825), (423, 15849), (445, 15909), (448, 15921), (464, 15975), (469, 15984), (486, 16044), (487, 16047), (529, 16152), (532, 16161), (543, 16200), (577, 16338), (615, 16488), (616, 16491), (619, 16500), (631, 16521), (638, 16548), (650, 16584), (673, 16677),

Gene: Ghobes_16 Start: 14348, Stop: 15952, Start Num: 93

Candidate Starts for Ghobes_16:

(23, 14042), (78, 14321), (Start: 93 @14348 has 51 MA's), (203, 14603), (204, 14606), (205, 14609), (219, 14633), (221, 14639), (237, 14681), (247, 14699), (289, 14825), (326, 14903), (350, 14927), (351, 14930), (353, 14933), (374, 14993), (409, 15104), (411, 15107), (439, 15164), (449, 15203), (451, 15209), (456, 15233), (507, 15389), (513, 15419), (588, 15650), (596, 15683), (616, 15743), (624, 15767), (670, 15935), (674, 15941),

Gene: Gibbous_18 Start: 15938, Stop: 17629, Start Num: 77

Candidate Starts for Gibbous_18:

(Start: 77 @15938 has 39 MA's), (138, 16052), (156, 16085), (225, 16286), (243, 16322), (271, 16409), (307, 16511), (345, 16544), (349, 16556), (350, 16559), (370, 16616), (381, 16649), (386, 16664), (394, 16691), (404, 16730), (422, 16766), (424, 16772), (443, 16826), (448, 16850), (458, 16889), (460, 16895), (484, 16967), (490, 16985), (493, 16994), (497, 17003), (511, 17060), (514, 17078), (559, 17189), (561, 17201), (565, 17216), (569, 17228), (585, 17300), (586, 17303), (612, 17399), (620, 17426), (628, 17450), (633, 17468),

Gene: GigiOuiOui_16 Start: 14934, Stop: 16643, Start Num: 83

Candidate Starts for GigiOuiOui_16:

(Start: 83 @14934 has 222 MA's), (134, 15021), (143, 15042), (Start: 158 @15066 has 2 MA's), (165, 15090), (199, 15195), (201, 15201), (206, 15219), (215, 15249), (254, 15354), (273, 15408), (276, 15414), (279, 15423), (287, 15444), (294, 15468), (305, 15504), (307, 15510), (319, 15543), (320, 15546), (322, 15555), (328, 15570), (331, 15576), (346, 15594), (350, 15609), (353, 15615), (359, 15633), (360, 15636), (367, 15651), (373, 15666), (374, 15672), (390, 15720), (394, 15732), (395, 15738), (423, 15798), (427, 15810), (443, 15846), (445, 15858), (469, 15933), (471, 15942), (478, 15960), (479, 15966), (487, 15996), (529, 16101), (533, 16113), (543, 16149), (562, 16227), (592, 16347), (600, 16380), (609, 16410), (611, 16422), (616, 16440), (618, 16446), (619, 16449), (621, 16455), (631, 16470), (632, 16473), (637, 16494), (638, 16497), (652, 16539), (657, 16569), (667, 16611), (668, 16617),

Gene: Girafales_17 Start: 14636, Stop: 16345, Start Num: 83

Candidate Starts for Girafales_17:

(Start: 83 @14636 has 222 MA's), (134, 14723), (Start: 158 @14768 has 2 MA's), (165, 14792), (199, 14897), (201, 14903), (206, 14921), (215, 14951), (254, 15056), (276, 15116), (284, 15137), (287, 15146), (294, 15170), (346, 15296), (350, 15311), (353, 15317), (359, 15335), (360, 15338), (367, 15353), (368, 15356), (373, 15368), (374, 15374), (378, 15383), (390, 15422), (394, 15434), (395, 15440), (423, 15500), (443, 15548), (445, 15560), (469, 15635), (471, 15644), (478, 15662), (479, 15668), (487, 15698), (529, 15803), (533, 15815), (543, 15851), (562, 15929), (585, 16028), (592, 16049), (600, 16082), (609, 16112), (616, 16142), (619, 16151), (621, 16157), (631, 16172), (632, 16175), (637, 16196), (638, 16199), (652, 16241), (657, 16271), (667, 16313),

Gene: Girr_16 Start: 14774, Stop: 16483, Start Num: 83

Candidate Starts for Girr_16:

(Start: 83 @14774 has 222 MA's), (134, 14861), (Start: 158 @14906 has 2 MA's), (165, 14930), (199, 15035), (201, 15041), (206, 15059), (215, 15089), (254, 15194), (273, 15248), (276, 15254), (279, 15263), (284, 15275), (287, 15284), (294, 15308), (305, 15344), (307, 15350), (311, 15362), (319, 15383), (320, 15386), (322, 15395), (328, 15410), (331, 15416), (346, 15434), (350, 15449), (353, 15455), (359, 15473), (360, 15476), (367, 15491), (373, 15506), (374, 15512), (385, 15542), (390, 15560), (394, 15572), (395, 15578), (423, 15638), (427, 15650), (443, 15686), (445, 15698), (451, 15719), (469, 15773), (471, 15782), (479, 15806), (487, 15836), (529, 15941), (533, 15953), (543, 15989), (554, 16028), (562, 16067), (585, 16166), (592, 16187), (600, 16220), (609, 16250), (616, 16280), (619, 16289), (621, 16295), (631, 16310), (632, 16313), (637, 16334), (638, 16337), (652, 16379), (657, 16409), (667, 16451), (668, 16457),

Gene: Gizermo_17 Start: 14758, Stop: 16467, Start Num: 100

Candidate Starts for Gizermo_17:

(Start: 100 @14758 has 33 MA's), (157, 14875), (205, 15025), (220, 15064), (225, 15079), (253, 15148), (257, 15160), (283, 15238), (284, 15241), (333, 15373), (352, 15427), (380, 15508), (397, 15568), (398, 15574), (400, 15580), (442, 15661), (451, 15697), (463, 15733), (473, 15751), (485, 15790), (508, 15862), (512, 15886), (583, 16120), (587, 16135), (598, 16177), (623, 16270), (624, 16273), (637, 16321), (645, 16351),

Gene: Glaske_19 Start: 16273, Stop: 18009, Start Num: 80

Candidate Starts for Glaske_19:

(Start: 65 @16249 has 2 MA's), (Start: 80 @16273 has 48 MA's), (115, 16333), (125, 16354), (127, 16357), (176, 16477), (190, 16516), (200, 16549), (207, 16573), (250, 16693), (261, 16732), (263, 16738), (292, 16822), (294, 16828), (297, 16840), (305, 16864), (315, 16891), (321, 16909), (337, 16948), (346, 16954), (354, 16978), (374, 17032), (379, 17044), (382, 17053), (398, 17113), (430, 17191), (445, 17230), (453, 17263), (471, 17329), (479, 17353), (485, 17377), (495, 17407), (540, 17521), (546, 17533), (548, 17542), (549, 17551), (576, 17659), (596, 17743), (625, 17842), (660, 17950), (673, 17998),

Gene: Glexan_22 Start: 19446, Stop: 21041, Start Num: 132

Candidate Starts for Glexan_22:

(Start: 87 @19362 has 85 MA's), (Start: 132 @19446 has 48 MA's), (Start: 167 @19524 has 1 MA's), (195, 19611), (201, 19626), (215, 19674), (229, 19713), (261, 19800), (274, 19833), (287, 19869), (295, 19899), (297, 19905), (321, 19974), (348, 20004), (351, 20016), (353, 20019), (374, 20076), (424, 20208), (426, 20214), (449, 20280), (451, 20286), (456, 20310), (471, 20358), (479, 20382), (481, 20391), (502, 20466), (532, 20517), (536, 20532), (578, 20694), (583, 20721), (592, 20751), (620, 20856), (650, 20934), (657, 20970), (660, 20979), (667, 21012), (673, 21027),

Gene: GodonK_89 Start: 52336, Stop: 53952, Start Num: 92

Candidate Starts for GodonK_89:

(Start: 92 @52336 has 11 MA's), (Start: 99 @52342 has 65 MA's), (138, 52426), (Start: 167 @52495 has 1 MA's), (181, 52525), (182, 52528), (191, 52558), (205, 52597), (271, 52768), (281, 52792), (287, 52810), (292, 52828), (302, 52858), (351, 52924), (353, 52927), (366, 52960), (386, 53017), (390, 53032), (391, 53035), (392, 53038), (422, 53110), (427, 53125), (433, 53140), (443, 53161), (446, 53176), (490, 53320), (495, 53341), (499, 53356), (517, 53434), (533, 53461), (534, 53467), (559, 53527), (570, 53572), (583, 53629), (585, 53638), (592, 53659), (635, 53797), (637, 53806),

Gene: Goib_23 Start: 16480, Stop: 17808, Start Num: 179

Candidate Starts for Goib_23:

(Start: 179 @16480 has 11 MA's), (185, 16495), (240, 16639), (255, 16684), (270, 16729), (278, 16753), (288, 16783), (289, 16786), (294, 16804), (296, 16813), (304, 16837), (307, 16846), (333, 16897), (338, 16909), (403, 17002), (408, 17011), (420, 17020), (440, 17065), (445, 17083), (484, 17176), (499, 17221), (514, 17290), (530, 17311), (560, 17392), (568, 17425), (592, 17512), (601, 17548), (605, 17563), (609, 17572), (624, 17614), (635, 17653), (651, 17707), (654, 17725), (667, 17782), (669, 17791),

Gene: Goku_24 Start: 19460, Stop: 21139, Start Num: 87

Candidate Starts for Goku_24:

(Start: 87 @19460 has 85 MA's), (Start: 132 @19544 has 48 MA's), (Start: 167 @19622 has 1 MA's), (195, 19709), (201, 19724), (215, 19772), (229, 19811), (261, 19898), (274, 19931), (287, 19967), (295, 19997), (297, 20003), (321, 20072), (348, 20102), (351, 20114), (353, 20117), (374, 20174), (424, 20306), (426, 20312), (449, 20378), (451, 20384), (456, 20408), (471, 20456), (479, 20480), (481, 20489), (502, 20564), (532, 20615), (536, 20630), (578, 20792), (583, 20819), (592, 20849), (620, 20954), (650, 21032), (657, 21068), (660, 21077), (667, 21110), (673, 21125),

Gene: GoldHunter_19 Start: 15730, Stop: 17430, Start Num: 73

Candidate Starts for GoldHunter_19:

(Start: 73 @15730 has 9 MA's), (Start: 77 @15733 has 39 MA's), (178, 15943), (220, 16066), (243, 16117), (271, 16204), (275, 16213), (283, 16234), (288, 16249), (291, 16261), (345, 16339), (349, 16351), (358, 16378), (370, 16411), (381, 16444), (385, 16456), (396, 16498), (443, 16621), (462, 16693), (485, 16771), (490, 16786), (497, 16804), (511, 16861), (550, 16954), (559, 16990), (561, 17002), (563, 17008), (566, 17020), (569, 17029), (585, 17101), (586, 17104), (588, 17110), (592, 17122), (608, 17182), (620, 17227), (623, 17236), (633, 17269), (652, 17335),

Gene: GoldenSpark_26 Start: 19736, Stop: 21415, Start Num: 87

Candidate Starts for GoldenSpark_26:

(Start: 87 @19736 has 85 MA's), (Start: 132 @19820 has 48 MA's), (Start: 167 @19898 has 1 MA's), (195, 19985), (201, 20000), (215, 20048), (229, 20087), (261, 20174), (274, 20207), (287, 20243), (295, 20273), (297, 20279), (321, 20348), (348, 20378), (351, 20390), (353, 20393), (374, 20450), (424, 20582), (426, 20588), (449, 20654), (451, 20660), (456, 20684), (471, 20732), (479, 20756), (481, 20765), (502, 20840), (532, 20891), (536, 20906), (578, 21068), (583, 21095), (592, 21125), (620, 21230), (650, 21308), (657, 21344), (660, 21353), (667, 21386), (673, 21401),

Gene: Goldilocks_25 Start: 19156, Stop: 20835, Start Num: 87

Candidate Starts for Goldilocks_25:

(Start: 87 @19156 has 85 MA's), (Start: 132 @19240 has 48 MA's), (Start: 167 @19318 has 1 MA's), (195, 19405), (201, 19420), (215, 19468), (229, 19507), (261, 19594), (274, 19627), (287, 19663), (295, 19693), (297, 19699), (321, 19768), (348, 19798), (351, 19810), (353, 19813), (374, 19870), (424, 20002), (426, 20008), (449, 20074), (451, 20080), (456, 20104), (471, 20152), (479, 20176), (481, 20185), (502, 20260), (532, 20311), (536, 20326), (578, 20488), (583, 20515), (592, 20545), (620, 20650), (650, 20728), (657, 20764), (660, 20773), (667, 20806), (673, 20821),

Gene: Gonephishing_32 Start: 25229, Stop: 26962, Start Num: 84

Candidate Starts for Gonephishing_32:

(Start: 84 @25229 has 30 MA's), (Start: 132 @25319 has 48 MA's), (134, 25322), (173, 25424), (195, 25490), (207, 25526), (216, 25556), (220, 25571), (252, 25655), (263, 25691), (274, 25718), (288, 25757), (297, 25790), (300, 25799), (320, 25856), (336, 25898), (371, 25973), (374, 25985), (394, 26045), (395, 26051), (413, 26099), (424, 26129), (430, 26147), (435, 26156), (446, 26189), (449, 26201), (451, 26207), (462, 26246), (479, 26303), (536, 26453), (540, 26471), (553, 26513), (558, 26537), (559, 26540), (562, 26555), (570, 26585), (578, 26615), (592, 26672), (640, 26822), (673, 26948),

Gene: GooberAzure_26 Start: 19736, Stop: 21415, Start Num: 87

Candidate Starts for GooberAzure_26:

(Start: 87 @19736 has 85 MA's), (Start: 132 @19820 has 48 MA's), (Start: 167 @19898 has 1 MA's), (195, 19985), (201, 20000), (215, 20048), (229, 20087), (261, 20174), (274, 20207), (287, 20243), (295, 20273), (297, 20279), (321, 20348), (348, 20378), (351, 20390), (353, 20393), (374, 20450), (424, 20582), (426, 20588), (449, 20654), (451, 20660), (456, 20684), (471, 20732), (479, 20756), (481, 20765), (502, 20840), (532, 20891), (536, 20906), (578, 21068), (583, 21095), (592, 21125), (620, 21230), (650, 21308), (657, 21344), (660, 21353), (667, 21386), (673, 21401),

Gene: Gorge_16 Start: 14790, Stop: 16499, Start Num: 83

Candidate Starts for Gorge_16:

(Start: 83 @14790 has 222 MA's), (134, 14877), (Start: 158 @14922 has 2 MA's), (165, 14946), (184, 15003), (199, 15051), (201, 15057), (206, 15075), (215, 15105), (254, 15210), (273, 15264), (276, 15270), (279, 15279), (287, 15300), (294, 15324), (305, 15360), (307, 15366), (319, 15399), (320, 15402), (322, 15411), (328, 15426), (331, 15432), (346, 15450), (350, 15465), (353, 15471), (359, 15489), (360, 15492), (367, 15507), (373, 15522), (374, 15528), (390, 15576), (394, 15588), (395, 15594), (396, 15600), (423, 15654), (427, 15666), (443, 15702), (445, 15714), (469, 15789), (471, 15798), (478, 15816), (479, 15822), (487, 15852), (529, 15957), (533, 15969), (543, 16005), (562, 16083), (592, 16203), (600, 16236), (609, 16266), (611, 16278), (616, 16296), (618, 16302), (619, 16305), (621, 16311), (631, 16326), (632, 16329), (637, 16350), (638, 16353), (652, 16395), (657, 16425), (667, 16467), (668, 16473),

Gene: GrandSlam_22 Start: 17878, Stop: 19584, Start Num: 93

Candidate Starts for GrandSlam_22:

(56, 17803), (Start: 93 @17878 has 51 MA's), (138, 17971), (144, 17986), (148, 17992), (Start: 179 @18067 has 11 MA's), (202, 18139), (241, 18250), (255, 18295), (261, 18313), (266, 18325), (350, 18496), (354, 18505), (355, 18511), (390, 18607), (403, 18658), (448, 18781), (458, 18820), (499, 18952), (531, 19066), (558, 19153), (585, 19267), (588, 19276), (620, 19381), (649, 19468), (678, 19576),

Gene: GreaseLightnin_19 Start: 16367, Stop: 18127, Start Num: 65

Candidate Starts for GreaseLightnin_19:

(Start: 65 @16367 has 2 MA's), (Start: 80 @16391 has 48 MA's), (115, 16451), (125, 16472), (127, 16475), (176, 16595), (190, 16634), (200, 16667), (207, 16691), (250, 16811), (261, 16850), (263, 16856), (292, 16940), (294, 16946), (297, 16958), (305, 16982), (315, 17009), (321, 17027), (337, 17066), (346, 17072), (354, 17096), (374, 17150), (379, 17162), (382, 17171), (398, 17231), (430, 17309), (445, 17348), (453, 17381), (471, 17447), (477, 17462), (479, 17471), (485, 17495), (495, 17525), (499, 17537), (540, 17639), (546, 17651), (547, 17654), (548, 17660), (549, 17669), (576, 17777), (596, 17861), (625, 17960), (660, 18068), (673, 18116),

Gene: Greep_25 Start: 20150, Stop: 21745, Start Num: 132

Candidate Starts for Greep_25:

(Start: 87 @20066 has 85 MA's), (Start: 132 @20150 has 48 MA's), (Start: 167 @20228 has 1 MA's), (195, 20315), (201, 20330), (215, 20378), (229, 20417), (261, 20504), (274, 20537), (287, 20573), (295, 20603), (297, 20609), (321, 20678), (348, 20708), (351, 20720), (353, 20723), (374, 20780), (424, 20912), (426, 20918), (449, 20984), (451, 20990), (456, 21014), (471, 21062), (479, 21086), (481, 21095), (502, 21170), (532, 21221), (536, 21236), (578, 21398), (583, 21425), (592, 21455), (620, 21560), (650, 21638), (657, 21674), (660, 21683), (667, 21716), (673, 21731),

Gene: Grimmer_17 Start: 15467, Stop: 17176, Start Num: 83

Candidate Starts for Grimmer_17:

(Start: 83 @15467 has 222 MA's), (134, 15554), (Start: 158 @15599 has 2 MA's), (165, 15623), (170, 15644), (199, 15728), (201, 15734), (206, 15752), (215, 15782), (254, 15887), (276, 15947), (279,

15956), (284, 15968), (287, 15977), (292, 15995), (294, 16001), (307, 16043), (319, 16076), (322, 16088), (328, 16103), (331, 16109), (346, 16127), (350, 16142), (353, 16148), (360, 16169), (367, 16184), (368, 16187), (373, 16199), (374, 16205), (390, 16253), (394, 16265), (395, 16271), (423, 16331), (427, 16343), (443, 16379), (445, 16391), (451, 16412), (469, 16466), (471, 16475), (478, 16493), (479, 16499), (487, 16529), (529, 16634), (532, 16643), (533, 16646), (543, 16682), (554, 16721), (562, 16760), (585, 16859), (592, 16880), (600, 16913), (609, 16943), (616, 16973), (619, 16982), (621, 16988), (631, 17003), (632, 17006), (637, 17027), (638, 17030), (652, 17072), (667, 17144), (668, 17150),

Gene: GrootJr_43 Start: 30207, Stop: 31820, Start Num: 91

Candidate Starts for GrootJr_43:

(Start: 91 @30207 has 39 MA's), (Start: 117 @30243 has 1 MA's), (124, 30261), (153, 30321), (246, 30561), (249, 30573), (253, 30588), (278, 30654), (283, 30669), (292, 30693), (293, 30696), (327, 30780), (340, 30810), (342, 30813), (374, 30870), (390, 30918), (391, 30921), (396, 30942), (438, 31047), (451, 31092), (463, 31134), (517, 31308), (533, 31338), (534, 31344), (572, 31452), (573, 31455), (592, 31530), (657, 31749), (673, 31806),

Gene: Gsput1_20 Start: 15750, Stop: 17078, Start Num: 179

Candidate Starts for Gsput1_20:

(Start: 179 @15750 has 11 MA's), (186, 15768), (240, 15909), (255, 15954), (270, 15999), (294, 16074), (296, 16083), (333, 16167), (338, 16179), (403, 16272), (408, 16281), (420, 16290), (440, 16335), (445, 16353), (473, 16410), (484, 16446), (509, 16527), (515, 16563), (558, 16656), (568, 16695), (601, 16818), (619, 16869), (635, 16923), (639, 16938), (645, 16962), (648, 16968), (651, 16977), (674, 17067),

Gene: Guacamole_19 Start: 16654, Stop: 18300, Start Num: 93

Candidate Starts for Guacamole_19:

(71, 16618), (Start: 93 @16654 has 51 MA's), (144, 16756), (173, 16834), (Start: 179 @16837 has 11 MA's), (219, 16933), (233, 16972), (262, 17053), (283, 17107), (288, 17122), (374, 17293), (385, 17323), (451, 17506), (456, 17530), (457, 17533), (475, 17581), (502, 17674), (507, 17686), (516, 17731), (520, 17746), (559, 17878), (560, 17881), (583, 17980), (588, 17998), (601, 18049), (624, 18115), (643, 18178), (648, 18190),

Gene: Gudmit_18 Start: 15558, Stop: 17267, Start Num: 100

Candidate Starts for Gudmit_18:

(Start: 91 @15543 has 39 MA's), (Start: 100 @15558 has 33 MA's), (205, 15822), (225, 15876), (253, 15945), (257, 15957), (267, 15987), (283, 16035), (328, 16161), (357, 16245), (364, 16266), (369, 16278), (380, 16308), (397, 16368), (423, 16416), (450, 16494), (463, 16533), (473, 16551), (484, 16587), (498, 16629), (509, 16665), (512, 16686), (513, 16689), (550, 16782), (587, 16935), (592, 16950), (598, 16977), (624, 17073), (637, 17121), (645, 17151), (661, 17211),

Gene: Gustav_18 Start: 15136, Stop: 16749, Start Num: 85

Candidate Starts for Gustav_18:

(Start: 85 @15136 has 14 MA's), (Start: 88 @15142 has 5 MA's), (111, 15181), (136, 15232), (137, 15235), (150, 15265), (205, 15412), (234, 15481), (272, 15586), (284, 15616), (325, 15703), (354, 15742), (371, 15784), (394, 15856), (403, 15889), (409, 15901), (427, 15940), (443, 15976), (444, 15979), (448, 16000), (459, 16042), (476, 16084), (499, 16159), (502, 16177), (507, 16189), (508, 16192), (551, 16303), (557, 16318), (558, 16327), (570, 16375), (633, 16585), (661, 16693),

Gene: HC_19 Start: 16486, Stop: 18219, Start Num: 89

Candidate Starts for HC_19:

(Start: 89 @16486 has 6 MA's), (141, 16585), (146, 16594), (171, 16660), (182, 16684), (200, 16744), (201, 16747), (209, 16774), (273, 16954), (283, 16978), (287, 16990), (294, 17014), (346, 17140),

(350, 17155), (354, 17164), (368, 17200), (374, 17218), (464, 17470), (469, 17479), (479, 17512), (532, 17656), (546, 17701), (570, 17803), (572, 17812), (576, 17830), (577, 17833), (601, 17932), (616, 17992), (622, 18010), (631, 18046), (635, 18061), (650, 18109), (665, 18178),

Gene: HUHilltop_19 Start: 16385, Stop: 18121, Start Num: 80

Candidate Starts for HUHilltop_19:

(Start: 65 @16361 has 2 MA's), (Start: 80 @16385 has 48 MA's), (115, 16445), (125, 16466), (127, 16469), (176, 16589), (190, 16628), (200, 16661), (207, 16685), (250, 16805), (261, 16844), (263, 16850), (292, 16934), (294, 16940), (297, 16952), (305, 16976), (315, 17003), (321, 17021), (337, 17060), (346, 17066), (354, 17090), (374, 17144), (379, 17156), (382, 17165), (398, 17225), (430, 17303), (445, 17342), (453, 17375), (471, 17441), (477, 17456), (479, 17465), (485, 17489), (495, 17519), (499, 17531), (540, 17633), (546, 17645), (547, 17648), (548, 17654), (549, 17663), (576, 17771), (596, 17855), (625, 17954), (660, 18062), (673, 18110),

Gene: Hades_16 Start: 14815, Stop: 16524, Start Num: 83

Candidate Starts for Hades_16:

(Start: 83 @14815 has 222 MA's), (134, 14902), (Start: 158 @14947 has 2 MA's), (165, 14971), (199, 15076), (201, 15082), (206, 15100), (215, 15130), (254, 15235), (276, 15295), (284, 15316), (287, 15325), (294, 15349), (346, 15475), (350, 15490), (353, 15496), (367, 15532), (368, 15535), (373, 15547), (374, 15553), (390, 15601), (394, 15613), (395, 15619), (423, 15679), (427, 15691), (443, 15727), (445, 15739), (469, 15814), (471, 15823), (478, 15841), (479, 15847), (487, 15877), (529, 15982), (532, 15991), (533, 15994), (543, 16030), (562, 16108), (585, 16207), (592, 16228), (600, 16261), (609, 16291), (616, 16321), (619, 16330), (621, 16336), (631, 16351), (632, 16354), (638, 16378), (648, 16408), (652, 16420), (657, 16450), (667, 16492),

Gene: Haley23_17 Start: 14758, Stop: 16467, Start Num: 100

Candidate Starts for Haley23_17:

(Start: 100 @14758 has 33 MA's), (157, 14875), (205, 15025), (220, 15064), (225, 15079), (253, 15148), (257, 15160), (283, 15238), (284, 15241), (333, 15373), (352, 15427), (380, 15508), (397, 15568), (398, 15574), (400, 15580), (442, 15661), (451, 15697), (463, 15733), (473, 15751), (485, 15790), (508, 15862), (512, 15886), (583, 16120), (587, 16135), (598, 16177), (623, 16270), (624, 16273), (637, 16321), (645, 16351),

Gene: Hamood_22 Start: 17878, Stop: 19584, Start Num: 93

Candidate Starts for Hamood_22:

(56, 17803), (Start: 93 @17878 has 51 MA's), (138, 17971), (144, 17986), (148, 17992), (Start: 179 @18067 has 11 MA's), (202, 18139), (241, 18250), (255, 18295), (261, 18313), (266, 18325), (350, 18496), (354, 18505), (355, 18511), (390, 18607), (403, 18658), (448, 18781), (458, 18820), (499, 18952), (531, 19066), (558, 19153), (585, 19267), (588, 19276), (620, 19381), (649, 19468), (678, 19576),

Gene: Hamulus_16 Start: 14812, Stop: 16521, Start Num: 83

Candidate Starts for Hamulus_16:

(Start: 83 @14812 has 222 MA's), (134, 14899), (Start: 158 @14944 has 2 MA's), (165, 14968), (199, 15073), (201, 15079), (206, 15097), (215, 15127), (254, 15232), (276, 15292), (283, 15310), (284, 15313), (287, 15322), (292, 15340), (294, 15346), (319, 15421), (320, 15424), (346, 15472), (350, 15487), (353, 15493), (367, 15529), (368, 15532), (373, 15544), (374, 15550), (390, 15598), (394, 15610), (395, 15616), (423, 15676), (427, 15688), (443, 15724), (445, 15736), (469, 15811), (471, 15820), (478, 15838), (479, 15844), (487, 15874), (529, 15979), (532, 15988), (533, 15991), (543, 16027), (562, 16105), (585, 16204), (592, 16225), (600, 16258), (609, 16288), (616, 16318), (619, 16327), (621, 16333), (631, 16348), (632, 16351), (638, 16375), (648, 16405), (652, 16417), (657, 16447), (667, 16489),

Gene: HanKaySha_25 Start: 19488, Stop: 21167, Start Num: 87

Candidate Starts for HanKaySha_25:

(Start: 87 @19488 has 85 MA's), (Start: 132 @19572 has 48 MA's), (Start: 167 @19650 has 1 MA's), (195, 19737), (201, 19752), (215, 19800), (229, 19839), (261, 19926), (274, 19959), (287, 19995), (295, 20025), (297, 20031), (321, 20100), (348, 20130), (351, 20142), (353, 20145), (374, 20202), (424, 20334), (426, 20340), (449, 20406), (451, 20412), (456, 20436), (471, 20484), (479, 20508), (481, 20517), (502, 20592), (532, 20643), (536, 20658), (578, 20820), (583, 20847), (592, 20877), (620, 20982), (650, 21060), (657, 21096), (660, 21105), (667, 21138), (673, 21153),

Gene: Hanako_18 Start: 14993, Stop: 16702, Start Num: 86

Candidate Starts for Hanako_18:

(Start: 86 @14993 has 47 MA's), (104, 15020), (125, 15059), (Start: 158 @15125 has 2 MA's), (161, 15137), (171, 15173), (182, 15197), (190, 15224), (195, 15245), (199, 15254), (201, 15260), (211, 15293), (273, 15467), (276, 15473), (279, 15482), (283, 15491), (287, 15503), (294, 15527), (307, 15569), (319, 15602), (346, 15653), (347, 15656), (350, 15668), (367, 15710), (373, 15725), (374, 15731), (390, 15779), (406, 15833), (423, 15857), (448, 15929), (464, 15983), (469, 15992), (471, 16001), (479, 16025), (486, 16052), (487, 16055), (529, 16160), (532, 16169), (543, 16208), (563, 16289), (577, 16346), (585, 16385), (616, 16499), (631, 16529), (632, 16532), (638, 16556), (650, 16592),

Gene: Hannaconda_31 Start: 23714, Stop: 25447, Start Num: 84

Candidate Starts for Hannaconda_31:

(Start: 84 @23714 has 30 MA's), (Start: 132 @23804 has 48 MA's), (134, 23807), (173, 23909), (195, 23975), (207, 24011), (216, 24041), (220, 24056), (252, 24140), (263, 24176), (274, 24203), (288, 24242), (297, 24275), (300, 24284), (320, 24341), (336, 24383), (371, 24458), (374, 24470), (394, 24530), (413, 24584), (424, 24614), (430, 24632), (435, 24641), (446, 24674), (449, 24686), (451, 24692), (462, 24731), (479, 24788), (536, 24938), (540, 24956), (553, 24998), (558, 25022), (559, 25025), (562, 25040), (570, 25070), (578, 25100), (592, 25157), (640, 25307), (669, 25427), (673, 25433),

Gene: Hans_35 Start: 29139, Stop: 30764, Start Num: 90

Candidate Starts for Hans_35:

(Start: 90 @29139 has 22 MA's), (Start: 99 @29151 has 65 MA's), (118, 29184), (121, 29193), (128, 29205), (138, 29235), (186, 29352), (190, 29364), (220, 29439), (247, 29499), (254, 29529), (354, 29736), (366, 29766), (382, 29811), (398, 29871), (423, 29919), (448, 29991), (456, 30024), (457, 30027), (473, 30066), (484, 30105), (507, 30192), (508, 30195), (534, 30273), (559, 30333), (570, 30378), (588, 30459), (602, 30513), (635, 30609), (667, 30738), (673, 30753),

Gene: Harella_23 Start: 19962, Stop: 21557, Start Num: 132

Candidate Starts for Harella_23:

(Start: 87 @19878 has 85 MA's), (Start: 132 @19962 has 48 MA's), (Start: 167 @20040 has 1 MA's), (195, 20127), (201, 20142), (215, 20190), (229, 20229), (261, 20316), (274, 20349), (287, 20385), (295, 20415), (297, 20421), (321, 20490), (348, 20520), (351, 20532), (353, 20535), (374, 20592), (424, 20724), (426, 20730), (449, 20796), (451, 20802), (456, 20826), (471, 20874), (479, 20898), (481, 20907), (502, 20982), (532, 21033), (536, 21048), (578, 21210), (583, 21237), (592, 21267), (620, 21372), (650, 21450), (657, 21486), (660, 21495), (667, 21528), (673, 21543),

Gene: Harley_16 Start: 14800, Stop: 16509, Start Num: 83

Candidate Starts for Harley_16:

(Start: 83 @14800 has 222 MA's), (134, 14887), (Start: 158 @14932 has 2 MA's), (165, 14956), (199, 15061), (201, 15067), (206, 15085), (215, 15115), (254, 15220), (276, 15280), (284, 15301), (287, 15310), (292, 15328), (294, 15334), (307, 15376), (319, 15409), (322, 15421), (328, 15436), (331, 15442), (346, 15460), (350, 15475), (353, 15481), (360, 15502), (367, 15517), (368, 15520), (373,

15532), (374, 15538), (390, 15586), (394, 15598), (395, 15604), (423, 15664), (427, 15676), (443, 15712), (445, 15724), (451, 15745), (469, 15799), (471, 15808), (478, 15826), (479, 15832), (529, 15967), (532, 15976), (533, 15979), (543, 16015), (554, 16054), (562, 16093), (585, 16192), (592, 16213), (600, 16246), (609, 16276), (616, 16306), (618, 16312), (619, 16315), (621, 16321), (631, 16336), (632, 16339), (637, 16360), (638, 16363), (652, 16405), (667, 16477), (668, 16483),

Gene: Hegedechwinu_17 Start: 14659, Stop: 16368, Start Num: 83

Candidate Starts for Hegedechwinu_17:

(Start: 83 @14659 has 222 MA's), (134, 14746), (Start: 158 @14791 has 2 MA's), (165, 14815), (199, 14920), (201, 14926), (206, 14944), (215, 14974), (254, 15079), (276, 15139), (284, 15160), (287, 15169), (294, 15193), (346, 15319), (350, 15334), (353, 15340), (367, 15376), (368, 15379), (373, 15391), (374, 15397), (390, 15445), (394, 15457), (395, 15463), (423, 15523), (427, 15535), (443, 15571), (445, 15583), (469, 15658), (471, 15667), (478, 15685), (479, 15691), (487, 15721), (529, 15826), (532, 15835), (533, 15838), (543, 15874), (562, 15952), (585, 16051), (592, 16072), (600, 16105), (609, 16135), (616, 16165), (619, 16174), (621, 16180), (631, 16195), (632, 16198), (638, 16222), (648, 16252), (652, 16264), (657, 16294), (667, 16336),

Gene: Heinz_18 Start: 15040, Stop: 16656, Start Num: 85

Candidate Starts for Heinz_18:

(Start: 85 @15040 has 14 MA's), (137, 15139), (145, 15163), (190, 15274), (191, 15277), (198, 15295), (201, 15304), (228, 15370), (234, 15385), (238, 15394), (243, 15400), (272, 15490), (291, 15544), (294, 15553), (353, 15643), (370, 15685), (371, 15688), (386, 15733), (392, 15754), (413, 15811), (421, 15826), (423, 15832), (426, 15841), (433, 15859), (460, 15949), (465, 15964), (499, 16063), (502, 16081), (507, 16093), (514, 16132), (529, 16159), (551, 16207), (556, 16219), (558, 16231), (563, 16252), (566, 16264), (570, 16279), (578, 16309), (585, 16345), (635, 16498), (644, 16534), (660, 16594), (661, 16597), (665, 16618), (673, 16642),

Gene: Henry_24 Start: 19829, Stop: 21424, Start Num: 132

Candidate Starts for Henry_24:

(Start: 87 @19745 has 85 MA's), (Start: 132 @19829 has 48 MA's), (Start: 167 @19907 has 1 MA's), (195, 19994), (201, 20009), (215, 20057), (229, 20096), (261, 20183), (274, 20216), (287, 20252), (295, 20282), (297, 20288), (321, 20357), (348, 20387), (351, 20399), (353, 20402), (374, 20459), (424, 20591), (426, 20597), (449, 20663), (451, 20669), (456, 20693), (471, 20741), (479, 20765), (481, 20774), (502, 20849), (532, 20900), (536, 20915), (578, 21077), (583, 21104), (592, 21134), (620, 21239), (650, 21317), (657, 21353), (660, 21362), (667, 21395), (673, 21410),

Gene: Herod_19 Start: 17764, Stop: 19362, Start Num: 99

Candidate Starts for Herod_19:

(Start: 99 @17764 has 65 MA's), (214, 18022), (220, 18040), (221, 18043), (246, 18097), (269, 18172), (291, 18241), (294, 18250), (297, 18262), (314, 18313), (328, 18340), (333, 18349), (334, 18352), (381, 18385), (397, 18442), (423, 18508), (461, 18619), (473, 18643), (484, 18679), (496, 18712), (512, 18781), (534, 18838), (562, 18928), (624, 19168), (645, 19246),

Gene: Hibiscus_18 Start: 14988, Stop: 16604, Start Num: 85

Candidate Starts for Hibiscus_18:

(54, 14922), (Start: 85 @14988 has 14 MA's), (137, 15087), (145, 15111), (190, 15222), (191, 15225), (198, 15243), (201, 15252), (228, 15318), (234, 15333), (238, 15342), (243, 15348), (272, 15438), (291, 15492), (294, 15501), (353, 15591), (392, 15702), (421, 15774), (423, 15780), (426, 15789), (433, 15807), (460, 15897), (499, 16011), (502, 16029), (507, 16041), (514, 16080), (529, 16107), (551, 16155), (556, 16167), (558, 16179), (563, 16200), (566, 16212), (570, 16227), (578, 16257), (585, 16293), (635, 16446), (644, 16482), (660, 16542), (661, 16545), (665, 16566), (673, 16590),

Gene: Hidrated_39 Start: 29642, Stop: 31375, Start Num: 84

Candidate Starts for Hidirated_39:

(Start: 84 @29642 has 30 MA's), (Start: 132 @29732 has 48 MA's), (155, 29780), (207, 29939), (216, 29969), (252, 30068), (263, 30104), (265, 30110), (274, 30131), (297, 30203), (300, 30212), (307, 30233), (331, 30302), (353, 30341), (354, 30344), (359, 30359), (374, 30398), (390, 30446), (394, 30458), (395, 30464), (416, 30521), (424, 30542), (430, 30560), (447, 30608), (478, 30710), (499, 30782), (536, 30866), (539, 30878), (540, 30884), (546, 30896), (547, 30899), (556, 30938), (560, 30956), (569, 30992), (570, 30998), (592, 31085), (615, 31175), (635, 31217), (640, 31235), (649, 31265), (658, 31307), (673, 31361),

Gene: Highbury_25 Start: 19407, Stop: 21086, Start Num: 87

Candidate Starts for Highbury_25:

(Start: 87 @19407 has 85 MA's), (Start: 132 @19491 has 48 MA's), (Start: 167 @19569 has 1 MA's), (195, 19656), (201, 19671), (215, 19719), (229, 19758), (261, 19845), (274, 19878), (287, 19914), (295, 19944), (297, 19950), (321, 20019), (348, 20049), (351, 20061), (353, 20064), (374, 20121), (424, 20253), (426, 20259), (449, 20325), (451, 20331), (456, 20355), (471, 20403), (479, 20427), (481, 20436), (502, 20511), (532, 20562), (536, 20577), (578, 20739), (583, 20766), (592, 20796), (620, 20901), (650, 20979), (657, 21015), (660, 21024), (667, 21057), (673, 21072),

Gene: HippoPololi_20 Start: 16592, Stop: 18283, Start Num: 77

Candidate Starts for HippoPololi_20:

(61, 16559), (Start: 77 @16592 has 39 MA's), (Start: 84 @16604 has 30 MA's), (138, 16706), (154, 16736), (225, 16940), (243, 16976), (255, 17018), (271, 17063), (307, 17165), (345, 17198), (349, 17210), (350, 17213), (370, 17270), (381, 17303), (386, 17318), (394, 17345), (404, 17384), (424, 17426), (427, 17435), (443, 17480), (448, 17504), (458, 17543), (490, 17639), (493, 17648), (497, 17657), (511, 17714), (514, 17732), (550, 17807), (561, 17855), (565, 17870), (569, 17882), (585, 17954), (586, 17957), (587, 17960), (588, 17963), (612, 18053), (620, 18080), (633, 18122), (635, 18131), (637, 18140),

Gene: Hitter_19 Start: 16650, Stop: 18296, Start Num: 93

Candidate Starts for Hitter_19:

(71, 16614), (Start: 93 @16650 has 51 MA's), (144, 16752), (173, 16830), (Start: 179 @16833 has 11 MA's), (219, 16929), (233, 16968), (255, 17028), (262, 17049), (283, 17103), (288, 17118), (347, 17214), (374, 17289), (385, 17319), (451, 17502), (456, 17526), (475, 17577), (502, 17670), (507, 17682), (516, 17727), (520, 17742), (559, 17874), (560, 17877), (583, 17976), (588, 17994), (601, 18045), (624, 18111), (643, 18174), (648, 18186),

Gene: Hlubikazi_16 Start: 14904, Stop: 16613, Start Num: 83

Candidate Starts for Hlubikazi_16:

(Start: 83 @14904 has 222 MA's), (134, 14991), (Start: 158 @15036 has 2 MA's), (165, 15060), (199, 15165), (201, 15171), (206, 15189), (215, 15219), (254, 15324), (276, 15384), (284, 15405), (287, 15414), (294, 15438), (346, 15564), (350, 15579), (353, 15585), (367, 15621), (368, 15624), (373, 15636), (374, 15642), (390, 15690), (394, 15702), (395, 15708), (423, 15768), (427, 15780), (443, 15816), (445, 15828), (469, 15903), (471, 15912), (478, 15930), (479, 15936), (487, 15966), (529, 16071), (532, 16080), (533, 16083), (543, 16119), (562, 16197), (585, 16296), (592, 16317), (600, 16350), (609, 16380), (616, 16410), (619, 16419), (621, 16425), (631, 16440), (632, 16443), (638, 16467), (648, 16497), (652, 16509), (657, 16539), (667, 16581),

Gene: Holt_25 Start: 19026, Stop: 20705, Start Num: 87

Candidate Starts for Holt_25:

(Start: 87 @19026 has 85 MA's), (Start: 132 @19110 has 48 MA's), (Start: 167 @19188 has 1 MA's), (195, 19275), (201, 19290), (215, 19338), (229, 19377), (261, 19464), (274, 19497), (287, 19533), (295, 19563), (297, 19569), (321, 19638), (348, 19668), (351, 19680), (353, 19683), (374, 19740), (424, 19872), (426, 19878), (449, 19944), (451, 19950), (456, 19974), (471, 20022), (479, 20046),

(481, 20055), (502, 20130), (532, 20181), (536, 20196), (578, 20358), (583, 20385), (592, 20415), (620, 20520), (650, 20598), (657, 20634), (660, 20643), (667, 20676), (673, 20691),

Gene: HomeFry_47 Start: 29293, Stop: 30912, Start Num: 91

Candidate Starts for HomeFry_47:

(Start: 91 @29293 has 39 MA's), (Start: 100 @29308 has 33 MA's), (124, 29347), (153, 29407), (159, 29413), (253, 29674), (278, 29740), (283, 29755), (327, 29866), (342, 29899), (374, 29956), (385, 29986), (390, 30004), (438, 30133), (463, 30220), (483, 30268), (484, 30271), (513, 30376), (517, 30394), (534, 30430), (573, 30541), (592, 30616), (641, 30769), (655, 30823), (657, 30835), (661, 30847), (673, 30892),

Gene: Hoonter_26 Start: 19736, Stop: 21415, Start Num: 87

Candidate Starts for Hoonter_26:

(Start: 87 @19736 has 85 MA's), (Start: 132 @19820 has 48 MA's), (Start: 167 @19898 has 1 MA's), (195, 19985), (201, 20000), (215, 20048), (229, 20087), (261, 20174), (274, 20207), (287, 20243), (295, 20273), (297, 20279), (321, 20348), (348, 20378), (351, 20390), (353, 20393), (374, 20450), (424, 20582), (426, 20588), (449, 20654), (451, 20660), (456, 20684), (471, 20732), (479, 20756), (481, 20765), (502, 20840), (532, 20891), (536, 20906), (578, 21068), (583, 21095), (592, 21125), (620, 21230), (650, 21308), (657, 21344), (660, 21353), (667, 21386), (673, 21401),

Gene: Hokey_26 Start: 20107, Stop: 21702, Start Num: 132

Candidate Starts for Hokey_26:

(Start: 87 @20023 has 85 MA's), (Start: 132 @20107 has 48 MA's), (Start: 167 @20185 has 1 MA's), (195, 20272), (201, 20287), (215, 20335), (229, 20374), (261, 20461), (274, 20494), (287, 20530), (295, 20560), (297, 20566), (321, 20635), (348, 20665), (351, 20677), (353, 20680), (374, 20737), (424, 20869), (426, 20875), (449, 20941), (451, 20947), (456, 20971), (471, 21019), (479, 21043), (481, 21052), (502, 21127), (532, 21178), (536, 21193), (578, 21355), (583, 21382), (592, 21412), (620, 21517), (650, 21595), (657, 21631), (660, 21640), (667, 21673), (673, 21688),

Gene: Horseradish_19 Start: 15276, Stop: 16973, Start Num: 77

Candidate Starts for Horseradish_19:

(61, 15246), (Start: 73 @15273 has 9 MA's), (Start: 77 @15276 has 39 MA's), (178, 15486), (238, 15654), (243, 15660), (280, 15768), (291, 15804), (300, 15834), (307, 15849), (345, 15882), (349, 15894), (361, 15930), (381, 15987), (385, 15999), (427, 16119), (437, 16140), (443, 16164), (485, 16314), (490, 16329), (497, 16347), (511, 16404), (559, 16533), (561, 16545), (566, 16563), (569, 16572), (585, 16644), (586, 16647), (588, 16653), (592, 16665), (620, 16770), (623, 16779), (633, 16812), (664, 16938),

Gene: Hortense_20 Start: 17902, Stop: 19482, Start Num: 99

Candidate Starts for Hortense_20:

(46, 17785), (Start: 99 @17902 has 65 MA's), (214, 18160), (221, 18181), (246, 18235), (257, 18274), (275, 18331), (283, 18352), (381, 18523), (387, 18541), (394, 18565), (398, 18586), (423, 18628), (451, 18709), (484, 18799), (500, 18850), (512, 18901), (513, 18904), (534, 18958), (562, 19048), (635, 19327), (637, 19336), (645, 19366),

Gene: Howe_20 Start: 17902, Stop: 19482, Start Num: 99

Candidate Starts for Howe_20:

(46, 17785), (Start: 99 @17902 has 65 MA's), (214, 18160), (221, 18181), (246, 18235), (257, 18274), (275, 18331), (283, 18352), (381, 18523), (387, 18541), (394, 18565), (398, 18586), (423, 18628), (451, 18709), (484, 18799), (500, 18850), (512, 18901), (513, 18904), (534, 18958), (562, 19048), (635, 19327), (637, 19336), (645, 19366),

Gene: HubbaBubba_39 Start: 26578, Stop: 28194, Start Num: 91

Candidate Starts for HubbaBubba_39:

(Start: 91 @26578 has 39 MA's), (Start: 98 @26587 has 1 MA's), (Start: 99 @26590 has 65 MA's),
(Start: 117 @26614 has 1 MA's), (153, 26692), (220, 26875), (246, 26932), (249, 26944), (253, 26959),
(278, 27025), (283, 27040), (292, 27064), (327, 27151), (329, 27157), (340, 27181), (374, 27241),
(385, 27271), (391, 27292), (428, 27397), (438, 27418), (463, 27505), (483, 27553), (517, 27679),
(534, 27715), (585, 27880), (591, 27898), (600, 27934), (655, 28108), (657, 28120), (673, 28177),

Gene: HufflyPuff_23 Start: 19814, Stop: 21409, Start Num: 132

Candidate Starts for HufflyPuff_23:

(Start: 87 @19730 has 85 MA's), (Start: 132 @19814 has 48 MA's), (Start: 167 @19892 has 1 MA's),
(195, 19979), (201, 19994), (215, 20042), (229, 20081), (261, 20168), (274, 20201), (287, 20237),
(295, 20267), (297, 20273), (321, 20342), (348, 20372), (351, 20384), (353, 20387), (374, 20444),
(424, 20576), (426, 20582), (449, 20648), (451, 20654), (456, 20678), (471, 20726), (479, 20750),
(481, 20759), (502, 20834), (532, 20885), (536, 20900), (578, 21062), (583, 21089), (592, 21119),
(620, 21224), (650, 21302), (657, 21338), (660, 21347), (667, 21380), (673, 21395),

Gene: Huffly_24 Start: 16702, Stop: 18030, Start Num: 179

Candidate Starts for Huffly_24:

(Start: 179 @16702 has 11 MA's), (185, 16717), (226, 16831), (240, 16861), (255, 16906), (270,
16951), (289, 17008), (294, 17026), (296, 17035), (304, 17059), (306, 17065), (307, 17068), (333,
17119), (338, 17131), (389, 17173), (403, 17224), (408, 17233), (420, 17242), (440, 17287), (484,
17398), (499, 17443), (514, 17512), (530, 17533), (560, 17614), (568, 17647), (592, 17734), (601,
17770), (605, 17785), (609, 17794), (624, 17836), (651, 17929), (654, 17947), (667, 18004), (669,
18013),

Gene: Hughesyang_35 Start: 27496, Stop: 29229, Start Num: 84

Candidate Starts for Hughesyang_35:

(Start: 84 @27496 has 30 MA's), (Start: 132 @27586 has 48 MA's), (155, 27634), (165, 27664), (173,
27691), (207, 27793), (216, 27823), (252, 27922), (263, 27958), (265, 27964), (274, 27985), (297,
28057), (300, 28066), (307, 28087), (331, 28156), (353, 28195), (354, 28198), (359, 28213), (374,
28252), (390, 28300), (394, 28312), (395, 28318), (413, 28366), (416, 28375), (424, 28396), (430,
28414), (447, 28462), (478, 28564), (495, 28624), (499, 28636), (536, 28720), (539, 28732), (540,
28738), (546, 28750), (547, 28753), (556, 28792), (560, 28810), (569, 28846), (570, 28852), (592,
28939), (615, 29029), (635, 29071), (640, 29089), (649, 29119), (658, 29161), (673, 29215),

Gene: Hugley_19 Start: 17764, Stop: 19362, Start Num: 99

Candidate Starts for Hugley_19:

(Start: 99 @17764 has 65 MA's), (214, 18022), (220, 18040), (221, 18043), (246, 18097), (269, 18172),
(291, 18241), (294, 18250), (297, 18262), (314, 18313), (328, 18340), (333, 18349), (334, 18352),
(381, 18385), (397, 18442), (423, 18508), (461, 18619), (473, 18643), (484, 18679), (496, 18712),
(512, 18781), (534, 18838), (562, 18928), (624, 19168), (645, 19246),

Gene: Hyzer_19 Start: 17835, Stop: 19433, Start Num: 99

Candidate Starts for Hyzer_19:

(30, 17634), (Start: 99 @17835 has 65 MA's), (214, 18093), (220, 18111), (221, 18114), (246, 18168),
(269, 18243), (291, 18312), (294, 18321), (297, 18333), (314, 18384), (328, 18411), (333, 18420),
(334, 18423), (381, 18456), (397, 18513), (423, 18579), (461, 18690), (473, 18714), (484, 18750),
(512, 18852), (562, 18999), (624, 19239), (645, 19317),

Gene: IDyn_42 Start: 27974, Stop: 29590, Start Num: 91

Candidate Starts for IDyn_42:

(Start: 91 @27974 has 39 MA's), (Start: 99 @27986 has 65 MA's), (Start: 117 @28010 has 1 MA's),
(153, 28088), (220, 28271), (246, 28328), (249, 28340), (253, 28355), (278, 28421), (283, 28436),

(292, 28460), (327, 28547), (329, 28553), (340, 28577), (374, 28637), (385, 28667), (391, 28688), (428, 28793), (438, 28814), (463, 28901), (483, 28949), (517, 29075), (534, 29111), (585, 29276), (591, 29294), (600, 29330), (655, 29504), (657, 29516), (673, 29573),

Gene: IHOP_24 Start: 20006, Stop: 21601, Start Num: 132

Candidate Starts for IHOP_24:

(Start: 87 @19922 has 85 MA's), (Start: 132 @20006 has 48 MA's), (Start: 167 @20084 has 1 MA's), (195, 20171), (201, 20186), (215, 20234), (229, 20273), (261, 20360), (274, 20393), (287, 20429), (295, 20459), (297, 20465), (321, 20534), (348, 20564), (351, 20576), (353, 20579), (374, 20636), (424, 20768), (426, 20774), (449, 20840), (451, 20846), (456, 20870), (471, 20918), (479, 20942), (481, 20951), (502, 21026), (532, 21077), (536, 21092), (578, 21254), (583, 21281), (592, 21311), (620, 21416), (650, 21494), (657, 21530), (660, 21539), (667, 21572), (673, 21587),

Gene: IMpilo_16 Start: 14837, Stop: 16546, Start Num: 83

Candidate Starts for IMpilo_16:

(Start: 83 @14837 has 222 MA's), (134, 14924), (Start: 158 @14969 has 2 MA's), (165, 14993), (199, 15098), (201, 15104), (206, 15122), (215, 15152), (254, 15257), (276, 15317), (279, 15326), (283, 15335), (284, 15338), (287, 15347), (294, 15371), (319, 15446), (346, 15497), (350, 15512), (353, 15518), (367, 15554), (368, 15557), (373, 15569), (374, 15575), (390, 15623), (394, 15635), (395, 15641), (423, 15701), (427, 15713), (443, 15749), (445, 15761), (469, 15836), (471, 15845), (478, 15863), (479, 15869), (487, 15899), (529, 16004), (532, 16013), (533, 16016), (543, 16052), (562, 16130), (585, 16229), (592, 16250), (600, 16283), (609, 16313), (616, 16343), (619, 16352), (621, 16358), (631, 16373), (632, 16376), (638, 16400), (648, 16430), (652, 16442), (657, 16472), (667, 16514),

Gene: IbOuu_16 Start: 14805, Stop: 16514, Start Num: 83

Candidate Starts for IbOuu_16:

(Start: 83 @14805 has 222 MA's), (134, 14892), (Start: 158 @14937 has 2 MA's), (165, 14961), (199, 15066), (201, 15072), (206, 15090), (215, 15120), (254, 15225), (273, 15279), (276, 15285), (279, 15294), (284, 15306), (287, 15315), (294, 15339), (346, 15465), (350, 15480), (353, 15486), (367, 15522), (373, 15537), (374, 15543), (390, 15591), (394, 15603), (395, 15609), (423, 15669), (427, 15681), (443, 15717), (445, 15729), (469, 15804), (471, 15813), (478, 15831), (479, 15837), (487, 15867), (529, 15972), (532, 15981), (533, 15984), (543, 16020), (562, 16098), (585, 16197), (592, 16218), (600, 16251), (609, 16281), (616, 16311), (619, 16320), (621, 16326), (631, 16341), (632, 16344), (637, 16365), (638, 16368), (652, 16410), (657, 16440), (667, 16482),

Gene: Ibhubesi_16 Start: 14800, Stop: 16509, Start Num: 83

Candidate Starts for Ibhubesi_16:

(Start: 83 @14800 has 222 MA's), (134, 14887), (Start: 158 @14932 has 2 MA's), (165, 14956), (199, 15061), (201, 15067), (206, 15085), (215, 15115), (254, 15220), (276, 15280), (284, 15301), (287, 15310), (292, 15328), (294, 15334), (307, 15376), (319, 15409), (322, 15421), (328, 15436), (331, 15442), (346, 15460), (350, 15475), (353, 15481), (360, 15502), (367, 15517), (368, 15520), (373, 15532), (374, 15538), (390, 15586), (394, 15598), (395, 15604), (423, 15664), (427, 15676), (443, 15712), (445, 15724), (451, 15745), (469, 15799), (471, 15808), (478, 15826), (479, 15832), (529, 15967), (532, 15976), (533, 15979), (543, 16015), (554, 16054), (562, 16093), (585, 16192), (592, 16213), (600, 16246), (609, 16276), (616, 16306), (618, 16312), (619, 16315), (621, 16321), (631, 16336), (632, 16339), (637, 16360), (638, 16363), (652, 16405), (667, 16477), (668, 16483),

Gene: Icee_23 Start: 19489, Stop: 21084, Start Num: 132

Candidate Starts for Icee_23:

(Start: 87 @19405 has 85 MA's), (Start: 132 @19489 has 48 MA's), (Start: 167 @19567 has 1 MA's), (195, 19654), (201, 19669), (215, 19717), (229, 19756), (261, 19843), (274, 19876), (287, 19912), (295, 19942), (297, 19948), (321, 20017), (348, 20047), (351, 20059), (353, 20062), (374, 20119),

(424, 20251), (426, 20257), (449, 20323), (451, 20329), (456, 20353), (471, 20401), (479, 20425), (481, 20434), (502, 20509), (532, 20560), (536, 20575), (578, 20737), (583, 20764), (592, 20794), (620, 20899), (650, 20977), (657, 21013), (660, 21022), (667, 21055), (673, 21070),

Gene: IdentityCrisis_17 Start: 14307, Stop: 16073, Start Num: 48

Candidate Starts for IdentityCrisis_17:

(Start: 48 @14307 has 1 MA's), (79, 14379), (123, 14460), (135, 14484), (154, 14526), (213, 14628), (220, 14652), (227, 14670), (274, 14805), (288, 14844), (344, 14949), (351, 14979), (370, 15027), (445, 15243), (484, 15375), (511, 15471), (526, 15522), (561, 15648), (563, 15654), (585, 15747), (586, 15750), (629, 15897), (633, 15912), (665, 16041), (667, 16050),

Gene: Idergollasper_56 Start: 33475, Stop: 35211, Start Num: 67

Candidate Starts for Idergollasper_56:

(Start: 63 @33466 has 2 MA's), (Start: 67 @33475 has 29 MA's), (122, 33565), (170, 33682), (184, 33718), (191, 33739), (199, 33766), (201, 33772), (217, 33826), (236, 33877), (287, 34015), (289, 34021), (304, 34072), (305, 34075), (311, 34093), (346, 34144), (353, 34165), (354, 34168), (373, 34216), (374, 34222), (390, 34270), (392, 34276), (394, 34282), (415, 34342), (423, 34366), (424, 34369), (443, 34414), (446, 34429), (448, 34438), (451, 34447), (464, 34492), (471, 34510), (481, 34543), (533, 34681), (538, 34702), (557, 34768), (563, 34798), (576, 34852), (585, 34894), (592, 34915), (596, 34936), (600, 34948), (606, 34969), (621, 35023), (650, 35101), (657, 35137), (662, 35158), (668, 35185),

Gene: Imara_54 Start: 33275, Stop: 35011, Start Num: 67

Candidate Starts for Imara_54:

(Start: 63 @33266 has 2 MA's), (Start: 67 @33275 has 29 MA's), (122, 33365), (170, 33482), (184, 33518), (191, 33539), (199, 33566), (201, 33572), (217, 33626), (236, 33677), (287, 33815), (289, 33821), (304, 33872), (305, 33875), (311, 33893), (346, 33944), (353, 33965), (354, 33968), (373, 34016), (374, 34022), (390, 34070), (392, 34076), (394, 34082), (415, 34142), (423, 34166), (424, 34169), (443, 34214), (446, 34229), (448, 34238), (451, 34247), (464, 34292), (471, 34310), (481, 34343), (533, 34481), (538, 34502), (557, 34568), (563, 34598), (576, 34652), (585, 34694), (592, 34715), (596, 34736), (600, 34748), (606, 34769), (621, 34823), (650, 34901), (657, 34937), (662, 34958), (668, 34985),

Gene: Impisi_19 Start: 14993, Stop: 16702, Start Num: 86

Candidate Starts for Impisi_19:

(Start: 86 @14993 has 47 MA's), (104, 15020), (125, 15059), (Start: 158 @15125 has 2 MA's), (161, 15137), (171, 15173), (182, 15197), (190, 15224), (195, 15245), (199, 15254), (201, 15260), (211, 15293), (273, 15467), (276, 15473), (279, 15482), (283, 15491), (287, 15503), (294, 15527), (307, 15569), (319, 15602), (346, 15653), (347, 15656), (350, 15668), (367, 15710), (373, 15725), (374, 15731), (390, 15779), (406, 15833), (423, 15857), (448, 15929), (464, 15983), (469, 15992), (471, 16001), (479, 16025), (486, 16052), (487, 16055), (529, 16160), (532, 16169), (543, 16208), (563, 16289), (577, 16346), (585, 16385), (616, 16499), (631, 16529), (632, 16532), (638, 16556), (650, 16592),

Gene: InLimbo_19 Start: 15153, Stop: 16865, Start Num: 51

Candidate Starts for InLimbo_19:

(Start: 51 @15153 has 25 MA's), (53, 15165), (Start: 67 @15207 has 29 MA's), (126, 15309), (169, 15381), (208, 15462), (227, 15513), (238, 15546), (253, 15588), (255, 15594), (271, 15642), (290, 15693), (300, 15729), (345, 15771), (351, 15792), (354, 15798), (361, 15822), (381, 15873), (382, 15876), (391, 15906), (495, 16218), (511, 16284), (518, 16314), (555, 16407), (559, 16428), (561, 16440), (563, 16446), (564, 16452), (566, 16458), (579, 16512), (586, 16542), (603, 16611), (631, 16698), (633, 16704), (639, 16728), (647, 16755),

Gene: Inca_23 Start: 18509, Stop: 20104, Start Num: 132

Candidate Starts for Inca_23:

(Start: 87 @18425 has 85 MA's), (Start: 132 @18509 has 48 MA's), (Start: 167 @18587 has 1 MA's), (195, 18674), (201, 18689), (215, 18737), (229, 18776), (261, 18863), (274, 18896), (287, 18932), (295, 18962), (297, 18968), (321, 19037), (348, 19067), (351, 19079), (353, 19082), (374, 19139), (424, 19271), (426, 19277), (449, 19343), (451, 19349), (456, 19373), (471, 19421), (479, 19445), (481, 19454), (502, 19529), (532, 19580), (536, 19595), (578, 19757), (583, 19784), (592, 19814), (620, 19919), (650, 19997), (657, 20033), (660, 20042), (667, 20075), (673, 20090),

Gene: Inspectinfecti_34 Start: 29501, Stop: 31126, Start Num: 90

Candidate Starts for Inspectinfecti_34:

(Start: 90 @29501 has 22 MA's), (Start: 99 @29513 has 65 MA's), (118, 29546), (121, 29555), (128, 29567), (138, 29597), (186, 29714), (190, 29726), (220, 29801), (247, 29861), (254, 29891), (354, 30098), (366, 30128), (382, 30173), (398, 30233), (423, 30281), (448, 30353), (456, 30386), (457, 30389), (473, 30428), (484, 30467), (507, 30554), (508, 30557), (534, 30635), (559, 30695), (570, 30740), (588, 30821), (602, 30875), (635, 30971), (667, 31100), (673, 31115),

Gene: Invectra_20 Start: 17703, Stop: 19283, Start Num: 99

Candidate Starts for Invectra_20:

(7, 16926), (12, 17082), (18, 17313), (19, 17316), (24, 17400), (26, 17406), (28, 17481), (33, 17532), (46, 17586), (Start: 99 @17703 has 65 MA's), (184, 17874), (214, 17961), (220, 17979), (221, 17982), (246, 18036), (257, 18075), (275, 18132), (283, 18153), (381, 18324), (387, 18342), (394, 18366), (398, 18387), (423, 18429), (451, 18510), (484, 18600), (512, 18702), (513, 18705), (534, 18759), (575, 18897), (607, 19029), (635, 19128), (637, 19137), (645, 19167),

Gene: Inventum_16 Start: 14940, Stop: 16649, Start Num: 83

Candidate Starts for Inventum_16:

(Start: 83 @14940 has 222 MA's), (134, 15027), (Start: 158 @15072 has 2 MA's), (165, 15096), (199, 15201), (201, 15207), (206, 15225), (215, 15255), (254, 15360), (276, 15420), (284, 15441), (287, 15450), (294, 15474), (346, 15600), (350, 15615), (353, 15621), (367, 15657), (368, 15660), (373, 15672), (374, 15678), (390, 15726), (394, 15738), (395, 15744), (423, 15804), (427, 15816), (443, 15852), (445, 15864), (469, 15939), (471, 15948), (478, 15966), (479, 15972), (487, 16002), (529, 16107), (533, 16119), (543, 16155), (562, 16233), (585, 16332), (592, 16353), (600, 16386), (609, 16416), (616, 16446), (619, 16455), (621, 16461), (631, 16476), (632, 16479), (637, 16500), (638, 16503), (652, 16545), (657, 16575), (667, 16617),

Gene: IrishSherpFalk_17 Start: 16164, Stop: 17873, Start Num: 83

Candidate Starts for IrishSherpFalk_17:

(Start: 83 @16164 has 222 MA's), (134, 16251), (Start: 158 @16296 has 2 MA's), (165, 16320), (199, 16425), (201, 16431), (206, 16449), (215, 16479), (254, 16584), (276, 16644), (284, 16665), (287, 16674), (294, 16698), (305, 16734), (307, 16740), (319, 16773), (320, 16776), (322, 16785), (328, 16800), (331, 16806), (346, 16824), (350, 16839), (353, 16845), (359, 16863), (360, 16866), (367, 16881), (373, 16896), (374, 16902), (390, 16950), (394, 16962), (395, 16968), (423, 17028), (427, 17040), (443, 17076), (445, 17088), (469, 17163), (471, 17172), (478, 17190), (479, 17196), (487, 17226), (529, 17331), (533, 17343), (543, 17379), (562, 17457), (592, 17577), (600, 17610), (609, 17640), (611, 17652), (616, 17670), (618, 17676), (619, 17679), (621, 17685), (631, 17700), (632, 17703), (637, 17724), (638, 17727), (652, 17769), (657, 17799), (667, 17841), (668, 17847),

Gene: Island3_19 Start: 16495, Stop: 18228, Start Num: 89

Candidate Starts for Island3_19:

(Start: 89 @16495 has 6 MA's), (141, 16594), (146, 16603), (171, 16669), (182, 16693), (200, 16753), (201, 16756), (209, 16783), (273, 16963), (283, 16987), (287, 16999), (294, 17023), (346, 17149), (350, 17164), (354, 17173), (368, 17209), (374, 17227), (394, 17287), (445, 17413), (464, 17479),

(469, 17488), (471, 17497), (479, 17521), (532, 17665), (546, 17710), (570, 17812), (572, 17821), (576, 17839), (577, 17842), (616, 18001), (622, 18019), (631, 18055), (635, 18070), (650, 18118), (665, 18187),

Gene: JCole_17 Start: 14749, Stop: 16458, Start Num: 100

Candidate Starts for JCole_17:

(41, 14614), (Start: 100 @14749 has 33 MA's), (157, 14866), (181, 14938), (182, 14941), (192, 14977), (205, 15016), (214, 15037), (253, 15139), (283, 15229), (284, 15232), (333, 15364), (352, 15418), (369, 15469), (380, 15499), (397, 15559), (400, 15571), (423, 15607), (440, 15646), (451, 15688), (463, 15724), (473, 15742), (479, 15757), (485, 15781), (508, 15853), (512, 15877), (554, 15985), (583, 16111), (587, 16126), (598, 16168), (623, 16261), (624, 16264), (637, 16312), (645, 16342), (652, 16360), (653, 16372), (662, 16411),

Gene: Jablanski_20 Start: 17677, Stop: 19383, Start Num: 51

Candidate Starts for Jablanski_20:

(Start: 44 @17653 has 1 MA's), (Start: 51 @17677 has 25 MA's), (103, 17782), (124, 17824), (169, 17899), (220, 18013), (271, 18160), (274, 18166), (363, 18349), (391, 18424), (484, 18706), (491, 18727), (511, 18802), (555, 18925), (561, 18958), (563, 18964), (579, 19030), (586, 19060), (631, 19216), (633, 19222), (637, 19240), (665, 19351),

Gene: Jace_17 Start: 14739, Stop: 16253, Start Num: 131

Candidate Starts for Jace_17:

(27, 14448), (38, 14538), (54, 14598), (Start: 131 @14739 has 1 MA's), (147, 14781), (166, 14826), (184, 14880), (195, 14913), (215, 14964), (267, 15099), (274, 15120), (275, 15123), (283, 15144), (299, 15198), (301, 15204), (380, 15306), (384, 15318), (389, 15336), (405, 15390), (446, 15480), (484, 15594), (513, 15696), (560, 15807), (624, 16056), (646, 16137), (650, 16146), (661, 16194),

Gene: JalFarm20_18 Start: 15176, Stop: 16885, Start Num: 83

Candidate Starts for JalFarm20_18:

(Start: 83 @15176 has 222 MA's), (134, 15263), (Start: 158 @15308 has 2 MA's), (165, 15332), (199, 15437), (201, 15443), (206, 15461), (215, 15491), (254, 15596), (276, 15656), (284, 15677), (287, 15686), (294, 15710), (346, 15836), (350, 15851), (353, 15857), (367, 15893), (368, 15896), (373, 15908), (374, 15914), (390, 15962), (394, 15974), (395, 15980), (423, 16040), (427, 16052), (443, 16088), (445, 16100), (469, 16175), (471, 16184), (478, 16202), (479, 16208), (487, 16238), (529, 16343), (532, 16352), (533, 16355), (543, 16391), (562, 16469), (585, 16568), (592, 16589), (600, 16622), (609, 16652), (616, 16682), (619, 16691), (621, 16697), (631, 16712), (632, 16715), (638, 16739), (648, 16769), (652, 16781), (657, 16811), (667, 16853),

Gene: Jalammah_21 Start: 17444, Stop: 19090, Start Num: 93

Candidate Starts for Jalammah_21:

(71, 17408), (Start: 93 @17444 has 51 MA's), (144, 17546), (173, 17624), (Start: 179 @17627 has 11 MA's), (219, 17723), (233, 17762), (255, 17822), (262, 17843), (283, 17897), (288, 17912), (374, 18083), (385, 18113), (451, 18296), (456, 18320), (475, 18371), (502, 18464), (507, 18476), (516, 18521), (520, 18536), (559, 18668), (560, 18671), (583, 18770), (588, 18788), (601, 18839), (624, 18905), (643, 18968), (648, 18980),

Gene: Jalleen_18 Start: 14751, Stop: 16460, Start Num: 100

Candidate Starts for Jalleen_18:

(Start: 100 @14751 has 33 MA's), (157, 14868), (253, 15141), (283, 15231), (284, 15234), (352, 15420), (377, 15495), (380, 15501), (397, 15561), (400, 15573), (423, 15609), (463, 15726), (479, 15759), (485, 15783), (512, 15879), (583, 16113), (587, 16128), (598, 16170), (619, 16251), (623, 16263), (624, 16266), (637, 16314), (645, 16344),

Gene: James_16 Start: 14804, Stop: 16513, Start Num: 83

Candidate Starts for James_16:

(Start: 83 @14804 has 222 MA's), (134, 14891), (Start: 158 @14936 has 2 MA's), (165, 14960), (184, 15017), (199, 15065), (201, 15071), (206, 15089), (215, 15119), (254, 15224), (273, 15278), (276, 15284), (279, 15293), (287, 15314), (294, 15338), (305, 15374), (307, 15380), (319, 15413), (320, 15416), (322, 15425), (328, 15440), (331, 15446), (346, 15464), (350, 15479), (353, 15485), (359, 15503), (360, 15506), (367, 15521), (373, 15536), (374, 15542), (390, 15590), (394, 15602), (395, 15608), (423, 15668), (427, 15680), (443, 15716), (445, 15728), (469, 15803), (471, 15812), (478, 15830), (479, 15836), (487, 15866), (529, 15971), (533, 15983), (543, 16019), (562, 16097), (592, 16217), (600, 16250), (609, 16280), (611, 16292), (616, 16310), (618, 16316), (619, 16319), (621, 16325), (631, 16340), (632, 16343), (637, 16364), (638, 16367), (652, 16409), (657, 16439), (667, 16481), (668, 16487),

Gene: Jamie19_18 Start: 14993, Stop: 16702, Start Num: 86

Candidate Starts for Jamie19_18:

(Start: 86 @14993 has 47 MA's), (104, 15020), (125, 15059), (Start: 158 @15125 has 2 MA's), (161, 15137), (171, 15173), (182, 15197), (190, 15224), (195, 15245), (199, 15254), (201, 15260), (211, 15293), (273, 15467), (276, 15473), (279, 15482), (283, 15491), (287, 15503), (294, 15527), (307, 15569), (319, 15602), (346, 15653), (347, 15656), (350, 15668), (367, 15710), (373, 15725), (374, 15731), (390, 15779), (406, 15833), (423, 15857), (448, 15929), (464, 15983), (469, 15992), (471, 16001), (479, 16025), (486, 16052), (487, 16055), (529, 16160), (532, 16169), (543, 16208), (563, 16289), (577, 16346), (585, 16385), (616, 16499), (631, 16529), (632, 16532), (638, 16556), (650, 16592),

Gene: JangDynasty_56 Start: 33561, Stop: 35297, Start Num: 67

Candidate Starts for JangDynasty_56:

(Start: 63 @33552 has 2 MA's), (Start: 67 @33561 has 29 MA's), (122, 33651), (170, 33768), (184, 33804), (191, 33825), (199, 33852), (201, 33858), (210, 33888), (217, 33912), (236, 33963), (287, 34101), (289, 34107), (304, 34158), (305, 34161), (311, 34179), (346, 34230), (353, 34251), (354, 34254), (373, 34302), (374, 34308), (390, 34356), (392, 34362), (394, 34368), (415, 34428), (423, 34452), (424, 34455), (443, 34500), (446, 34515), (448, 34524), (451, 34533), (464, 34578), (471, 34596), (481, 34629), (533, 34767), (538, 34788), (557, 34854), (563, 34884), (576, 34938), (585, 34980), (592, 35001), (596, 35022), (600, 35034), (606, 35055), (621, 35109), (650, 35187), (657, 35223), (662, 35244), (668, 35271),

Gene: Jant_16 Start: 14961, Stop: 16670, Start Num: 83

Candidate Starts for Jant_16:

(Start: 83 @14961 has 222 MA's), (134, 15048), (Start: 158 @15093 has 2 MA's), (165, 15117), (199, 15222), (201, 15228), (206, 15246), (215, 15276), (254, 15381), (276, 15441), (284, 15462), (287, 15471), (294, 15495), (346, 15621), (350, 15636), (353, 15642), (367, 15678), (368, 15681), (373, 15693), (374, 15699), (390, 15747), (394, 15759), (395, 15765), (423, 15825), (427, 15837), (443, 15873), (445, 15885), (469, 15960), (471, 15969), (478, 15987), (479, 15993), (487, 16023), (529, 16128), (532, 16137), (533, 16140), (543, 16176), (562, 16254), (585, 16353), (592, 16374), (600, 16407), (609, 16437), (616, 16467), (619, 16476), (621, 16482), (631, 16497), (632, 16500), (638, 16524), (648, 16554), (652, 16566), (657, 16596), (667, 16638),

Gene: Jacob_16 Start: 14812, Stop: 16521, Start Num: 83

Candidate Starts for Jacob_16:

(Start: 83 @14812 has 222 MA's), (134, 14899), (Start: 158 @14944 has 2 MA's), (165, 14968), (199, 15073), (201, 15079), (206, 15097), (215, 15127), (254, 15232), (273, 15286), (276, 15292), (279, 15301), (287, 15322), (294, 15346), (305, 15382), (307, 15388), (319, 15421), (320, 15424), (322, 15433), (328, 15448), (331, 15454), (346, 15472), (350, 15487), (353, 15493), (359, 15511), (360, 15514), (367, 15529), (373, 15544), (374, 15550), (390, 15598), (394, 15610), (395, 15616), (423,

15676), (427, 15688), (443, 15724), (445, 15736), (469, 15811), (471, 15820), (478, 15838), (479, 15844), (487, 15874), (529, 15979), (533, 15991), (543, 16027), (562, 16105), (592, 16225), (600, 16258), (609, 16288), (611, 16300), (616, 16318), (618, 16324), (619, 16327), (621, 16333), (631, 16348), (632, 16351), (637, 16372), (638, 16375), (652, 16417), (657, 16447), (667, 16489), (668, 16495),

Gene: JasperJr_19 Start: 16654, Stop: 18300, Start Num: 93

Candidate Starts for JasperJr_19:

(71, 16618), (Start: 93 @16654 has 51 MA's), (144, 16756), (173, 16834), (Start: 179 @16837 has 11 MA's), (219, 16933), (233, 16972), (262, 17053), (283, 17107), (288, 17122), (374, 17293), (385, 17323), (451, 17506), (456, 17530), (457, 17533), (475, 17581), (502, 17674), (507, 17686), (516, 17731), (520, 17746), (559, 17878), (560, 17881), (583, 17980), (588, 17998), (601, 18049), (624, 18115), (643, 18178), (648, 18190),

Gene: JeTaime_26 Start: 20631, Stop: 22226, Start Num: 132

Candidate Starts for JeTaime_26:

(Start: 87 @20547 has 85 MA's), (Start: 132 @20631 has 48 MA's), (Start: 167 @20709 has 1 MA's), (195, 20796), (201, 20811), (215, 20859), (229, 20898), (261, 20985), (274, 21018), (287, 21054), (295, 21084), (297, 21090), (321, 21159), (348, 21189), (351, 21201), (353, 21204), (374, 21261), (424, 21393), (426, 21399), (449, 21465), (451, 21471), (456, 21495), (471, 21543), (479, 21567), (481, 21576), (502, 21651), (532, 21702), (536, 21717), (578, 21879), (583, 21906), (592, 21936), (620, 22041), (650, 22119), (657, 22155), (660, 22164), (667, 22197), (673, 22212),

Gene: Jebeks_19 Start: 16370, Stop: 18106, Start Num: 80

Candidate Starts for Jebeks_19:

(Start: 65 @16346 has 2 MA's), (Start: 80 @16370 has 48 MA's), (115, 16430), (125, 16451), (127, 16454), (176, 16574), (190, 16613), (200, 16646), (207, 16670), (250, 16790), (261, 16829), (263, 16835), (292, 16919), (294, 16925), (297, 16937), (305, 16961), (315, 16988), (321, 17006), (337, 17045), (346, 17051), (354, 17075), (374, 17129), (379, 17141), (382, 17150), (398, 17210), (430, 17288), (445, 17327), (453, 17360), (471, 17426), (477, 17441), (479, 17450), (485, 17474), (495, 17504), (499, 17516), (540, 17618), (546, 17630), (547, 17633), (548, 17639), (549, 17648), (576, 17756), (596, 17840), (625, 17939), (660, 18047), (673, 18095),

Gene: Jennelsea_16 Start: 14762, Stop: 16471, Start Num: 83

Candidate Starts for Jennelsea_16:

(Start: 83 @14762 has 222 MA's), (134, 14849), (Start: 158 @14894 has 2 MA's), (165, 14918), (199, 15023), (201, 15029), (206, 15047), (215, 15077), (254, 15182), (276, 15242), (284, 15263), (287, 15272), (294, 15296), (346, 15422), (350, 15437), (353, 15443), (367, 15479), (368, 15482), (373, 15494), (374, 15500), (390, 15548), (394, 15560), (395, 15566), (423, 15626), (427, 15638), (443, 15674), (445, 15686), (469, 15761), (471, 15770), (478, 15788), (479, 15794), (487, 15824), (529, 15929), (532, 15938), (533, 15941), (543, 15977), (562, 16055), (585, 16154), (592, 16175), (600, 16208), (609, 16238), (616, 16268), (619, 16277), (621, 16283), (631, 16298), (632, 16301), (638, 16325), (648, 16355), (652, 16367), (657, 16397), (667, 16439),

Gene: Jifall16_40 Start: 30479, Stop: 32092, Start Num: 91

Candidate Starts for Jifall16_40:

(Start: 91 @30479 has 39 MA's), (Start: 117 @30515 has 1 MA's), (124, 30533), (153, 30593), (246, 30833), (249, 30845), (253, 30860), (278, 30926), (283, 30941), (292, 30965), (293, 30968), (327, 31052), (340, 31082), (342, 31085), (374, 31142), (390, 31190), (391, 31193), (396, 31214), (438, 31319), (451, 31364), (463, 31406), (517, 31580), (533, 31610), (534, 31616), (572, 31724), (573, 31727), (592, 31802), (657, 32021), (673, 32078),

Gene: Jinglebell_15 Start: 15041, Stop: 16750, Start Num: 83

Candidate Starts for Jinglebell_15:

(Start: 83 @15041 has 222 MA's), (134, 15128), (143, 15149), (Start: 158 @15173 has 2 MA's), (165, 15197), (170, 15218), (199, 15302), (201, 15308), (206, 15326), (215, 15356), (254, 15461), (273, 15515), (276, 15521), (283, 15539), (284, 15542), (287, 15551), (294, 15575), (319, 15650), (322, 15662), (328, 15677), (331, 15683), (346, 15701), (350, 15716), (353, 15722), (362, 15749), (367, 15758), (373, 15773), (374, 15779), (390, 15827), (394, 15839), (395, 15845), (423, 15905), (427, 15917), (443, 15953), (445, 15965), (451, 15986), (469, 16040), (471, 16049), (478, 16067), (479, 16073), (487, 16103), (529, 16208), (532, 16217), (533, 16220), (543, 16256), (554, 16295), (562, 16334), (592, 16454), (600, 16487), (609, 16517), (616, 16547), (619, 16556), (621, 16562), (631, 16577), (632, 16580), (637, 16601), (638, 16604), (650, 16640), (652, 16646), (657, 16676), (667, 16718),

Gene: Job42_19 Start: 16488, Stop: 18197, Start Num: 83

Candidate Starts for Job42_19:

(Start: 83 @16488 has 222 MA's), (134, 16575), (Start: 158 @16620 has 2 MA's), (165, 16644), (199, 16749), (201, 16755), (206, 16773), (215, 16803), (254, 16908), (276, 16968), (284, 16989), (287, 16998), (294, 17022), (346, 17148), (350, 17163), (353, 17169), (367, 17205), (368, 17208), (373, 17220), (374, 17226), (390, 17274), (394, 17286), (395, 17292), (423, 17352), (427, 17364), (443, 17400), (445, 17412), (469, 17487), (471, 17496), (478, 17514), (479, 17520), (487, 17550), (529, 17655), (532, 17664), (533, 17667), (543, 17703), (562, 17781), (585, 17880), (592, 17901), (600, 17934), (609, 17964), (616, 17994), (619, 18003), (621, 18009), (631, 18024), (632, 18027), (637, 18048), (638, 18051), (648, 18081), (652, 18093), (667, 18165),

Gene: JoeyJr_16 Start: 14976, Stop: 16685, Start Num: 83

Candidate Starts for JoeyJr_16:

(Start: 83 @14976 has 222 MA's), (134, 15063), (Start: 158 @15108 has 2 MA's), (165, 15132), (199, 15237), (201, 15243), (206, 15261), (215, 15291), (254, 15396), (276, 15456), (284, 15477), (287, 15486), (294, 15510), (346, 15636), (350, 15651), (353, 15657), (367, 15693), (368, 15696), (373, 15708), (374, 15714), (390, 15762), (394, 15774), (395, 15780), (423, 15840), (427, 15852), (443, 15888), (445, 15900), (469, 15975), (471, 15984), (478, 16002), (479, 16008), (487, 16038), (529, 16143), (532, 16152), (533, 16155), (543, 16191), (562, 16269), (585, 16368), (592, 16389), (600, 16422), (609, 16452), (616, 16482), (619, 16491), (621, 16497), (631, 16512), (632, 16515), (637, 16536), (638, 16539), (652, 16581), (657, 16611), (667, 16653),

Gene: Jojo24_18 Start: 14985, Stop: 16601, Start Num: 85

Candidate Starts for Jojo24_18:

(Start: 85 @14985 has 14 MA's), (137, 15084), (145, 15108), (190, 15219), (191, 15222), (198, 15240), (201, 15249), (228, 15315), (234, 15330), (238, 15339), (243, 15345), (272, 15435), (291, 15489), (294, 15498), (353, 15588), (392, 15699), (421, 15771), (423, 15777), (426, 15786), (433, 15804), (460, 15894), (465, 15909), (495, 15993), (499, 16008), (502, 16026), (507, 16038), (529, 16104), (551, 16152), (556, 16164), (558, 16176), (563, 16197), (566, 16209), (570, 16224), (578, 16254), (585, 16290), (635, 16443), (644, 16479), (661, 16542), (665, 16563), (673, 16587), (677, 16593),

Gene: JonJames_47 Start: 32980, Stop: 34674, Start Num: 69

Candidate Starts for JonJames_47:

(Start: 69 @32980 has 2 MA's), (110, 33046), (114, 33052), (139, 33109), (201, 33268), (205, 33280), (255, 33406), (272, 33454), (350, 33604), (371, 33655), (374, 33667), (376, 33673), (427, 33814), (433, 33829), (480, 33988), (509, 34096), (558, 34225), (560, 34231), (561, 34240), (578, 34303), (586, 34342), (589, 34351), (601, 34399), (630, 34474), (647, 34534), (658, 34582), (664, 34609), (666, 34618), (667, 34621),

Gene: Journey_18 Start: 14989, Stop: 16698, Start Num: 86

Candidate Starts for Journey_18:

(Start: 86 @14989 has 47 MA's), (104, 15016), (Start: 158 @15121 has 2 MA's), (161, 15133), (171, 15169), (190, 15220), (199, 15250), (201, 15256), (209, 15283), (211, 15289), (254, 15409), (273, 15463), (276, 15469), (283, 15487), (287, 15499), (288, 15502), (294, 15523), (307, 15565), (319, 15598), (346, 15649), (350, 15664), (367, 15706), (373, 15721), (374, 15727), (390, 15775), (396, 15799), (406, 15829), (423, 15853), (445, 15913), (448, 15925), (464, 15979), (469, 15988), (486, 16048), (487, 16051), (529, 16156), (532, 16165), (543, 16204), (577, 16342), (615, 16492), (616, 16495), (619, 16504), (631, 16525), (638, 16552), (650, 16588), (673, 16681),

Gene: JuJu_19 Start: 16575, Stop: 18221, Start Num: 93

Candidate Starts for JuJu_19:

(71, 16539), (Start: 93 @16575 has 51 MA's), (144, 16677), (173, 16755), (219, 16854), (233, 16893), (262, 16974), (283, 17028), (288, 17043), (347, 17139), (374, 17214), (385, 17244), (451, 17427), (456, 17451), (502, 17595), (507, 17607), (516, 17652), (520, 17667), (559, 17799), (560, 17802), (583, 17901), (588, 17919), (622, 18030), (624, 18036), (643, 18099), (648, 18111),

Gene: Juice456_18 Start: 15928, Stop: 17637, Start Num: 83

Candidate Starts for Juice456_18:

(Start: 83 @15928 has 222 MA's), (134, 16015), (Start: 158 @16060 has 2 MA's), (165, 16084), (199, 16189), (201, 16195), (206, 16213), (215, 16243), (254, 16348), (256, 16354), (276, 16408), (279, 16417), (284, 16429), (287, 16438), (294, 16462), (322, 16549), (328, 16564), (346, 16588), (350, 16603), (353, 16609), (367, 16645), (368, 16648), (373, 16660), (374, 16666), (390, 16714), (394, 16726), (395, 16732), (423, 16792), (427, 16804), (443, 16840), (445, 16852), (451, 16873), (469, 16927), (471, 16936), (478, 16954), (479, 16960), (487, 16990), (529, 17095), (532, 17104), (533, 17107), (543, 17143), (560, 17209), (562, 17221), (585, 17320), (592, 17341), (600, 17374), (609, 17404), (616, 17434), (619, 17443), (621, 17449), (631, 17464), (632, 17467), (638, 17491), (648, 17521), (652, 17533), (657, 17563), (667, 17605),

Gene: Juicebox_19 Start: 17730, Stop: 19400, Start Num: 64

Candidate Starts for Juicebox_19:

(9, 17085), (11, 17160), (13, 17184), (21, 17439), (22, 17457), (31, 17586), (61, 17718), (Start: 64 @17730 has 1 MA's), (95, 17781), (120, 17826), (180, 17943), (260, 18159), (278, 18204), (281, 18213), (374, 18405), (392, 18459), (422, 18531), (484, 18732), (485, 18735), (494, 18762), (495, 18765), (503, 18801), (506, 18807), (511, 18831), (515, 18852), (518, 18861), (520, 18870), (521, 18873), (565, 18990), (583, 19065), (585, 19074), (637, 19260), (638, 19263), (650, 19302), (659, 19341), (675, 19395),

Gene: Jung_19 Start: 16311, Stop: 18047, Start Num: 80

Candidate Starts for Jung_19:

(Start: 65 @16287 has 2 MA's), (Start: 80 @16311 has 48 MA's), (115, 16371), (125, 16392), (127, 16395), (176, 16515), (190, 16554), (200, 16587), (207, 16611), (250, 16731), (261, 16770), (263, 16776), (292, 16860), (294, 16866), (297, 16878), (305, 16902), (315, 16929), (321, 16947), (337, 16986), (346, 16992), (354, 17016), (374, 17070), (379, 17082), (382, 17091), (398, 17151), (430, 17229), (445, 17268), (453, 17301), (471, 17367), (479, 17391), (485, 17415), (495, 17445), (540, 17559), (546, 17571), (547, 17574), (548, 17580), (549, 17589), (576, 17697), (596, 17781), (625, 17880), (660, 17988), (673, 18036),

Gene: Juniormint_19 Start: 16411, Stop: 18147, Start Num: 80

Candidate Starts for Juniormint_19:

(Start: 65 @16387 has 2 MA's), (Start: 80 @16411 has 48 MA's), (115, 16471), (125, 16492), (127, 16495), (176, 16615), (190, 16654), (200, 16687), (207, 16711), (250, 16831), (261, 16870), (263, 16876), (292, 16960), (294, 16966), (297, 16978), (305, 17002), (315, 17029), (321, 17047), (337, 17086), (346, 17092), (354, 17116), (374, 17170), (379, 17182), (382, 17191), (398, 17251), (430, 17329), (445, 17368), (453, 17401), (471, 17467), (477, 17482), (479, 17491), (485, 17515), (495,

17545), (499, 17557), (540, 17659), (546, 17671), (547, 17674), (548, 17680), (549, 17689), (576, 17797), (596, 17881), (625, 17980), (660, 18088), (673, 18136),

Gene: Juniper1_16 Start: 14801, Stop: 16510, Start Num: 83

Candidate Starts for Juniper1_16:

(Start: 83 @14801 has 222 MA's), (134, 14888), (143, 14909), (Start: 158 @14933 has 2 MA's), (165, 14957), (170, 14978), (199, 15062), (201, 15068), (206, 15086), (215, 15116), (245, 15188), (254, 15221), (273, 15275), (276, 15281), (283, 15299), (284, 15302), (287, 15311), (294, 15335), (307, 15377), (319, 15410), (322, 15422), (328, 15437), (331, 15443), (346, 15461), (350, 15476), (353, 15482), (367, 15518), (368, 15521), (373, 15533), (374, 15539), (390, 15587), (394, 15599), (395, 15605), (423, 15665), (427, 15677), (443, 15713), (445, 15725), (451, 15746), (469, 15800), (471, 15809), (478, 15827), (479, 15833), (487, 15863), (529, 15968), (532, 15977), (533, 15980), (543, 16016), (554, 16055), (562, 16094), (585, 16193), (592, 16214), (600, 16247), (609, 16277), (616, 16307), (618, 16313), (619, 16316), (621, 16322), (631, 16337), (632, 16340), (637, 16361), (638, 16364), (652, 16406), (667, 16478),

Gene: Kabluna_44 Start: 29561, Stop: 31177, Start Num: 91

Candidate Starts for Kabluna_44:

(Start: 91 @29561 has 39 MA's), (Start: 99 @29573 has 65 MA's), (153, 29675), (184, 29759), (253, 29942), (278, 30008), (283, 30023), (292, 30047), (327, 30134), (340, 30164), (342, 30167), (374, 30224), (396, 30296), (438, 30401), (463, 30488), (483, 30536), (517, 30662), (534, 30698), (573, 30809), (592, 30884), (648, 31061), (657, 31103), (673, 31160),

Gene: Kalah2_37 Start: 27936, Stop: 29669, Start Num: 84

Candidate Starts for Kalah2_37:

(Start: 84 @27936 has 30 MA's), (Start: 132 @28026 has 48 MA's), (155, 28074), (165, 28104), (207, 28233), (216, 28263), (252, 28362), (263, 28398), (274, 28425), (297, 28497), (300, 28506), (307, 28527), (331, 28596), (353, 28635), (354, 28638), (359, 28653), (374, 28692), (390, 28740), (394, 28752), (395, 28758), (413, 28806), (416, 28815), (424, 28836), (430, 28854), (447, 28902), (478, 29004), (495, 29064), (499, 29076), (536, 29160), (539, 29172), (540, 29178), (546, 29190), (547, 29193), (556, 29232), (560, 29250), (569, 29286), (570, 29292), (592, 29379), (615, 29469), (635, 29511), (640, 29529), (649, 29559), (658, 29601), (673, 29655),

Gene: Kanye_26 Start: 20732, Stop: 22411, Start Num: 87

Candidate Starts for Kanye_26:

(Start: 87 @20732 has 85 MA's), (Start: 132 @20816 has 48 MA's), (Start: 167 @20894 has 1 MA's), (195, 20981), (201, 20996), (215, 21044), (229, 21083), (261, 21170), (274, 21203), (287, 21239), (295, 21269), (297, 21275), (321, 21344), (348, 21374), (351, 21386), (353, 21389), (374, 21446), (424, 21578), (426, 21584), (449, 21650), (451, 21656), (456, 21680), (471, 21728), (479, 21752), (481, 21761), (502, 21836), (532, 21887), (536, 21902), (578, 22064), (583, 22091), (592, 22121), (620, 22226), (650, 22304), (657, 22340), (660, 22349), (667, 22382), (673, 22397),

Gene: KappaFarmDelta_19 Start: 16818, Stop: 18464, Start Num: 93

Candidate Starts for KappaFarmDelta_19:

(71, 16782), (Start: 93 @16818 has 51 MA's), (144, 16920), (173, 16998), (219, 17097), (233, 17136), (251, 17181), (262, 17217), (283, 17271), (288, 17286), (298, 17319), (326, 17367), (331, 17370), (374, 17457), (385, 17487), (451, 17670), (456, 17694), (502, 17838), (507, 17850), (520, 17910), (559, 18042), (560, 18045), (583, 18144), (588, 18162), (601, 18213), (622, 18273), (624, 18279), (643, 18342), (648, 18354),

Gene: Karhdo_16 Start: 14934, Stop: 16643, Start Num: 83

Candidate Starts for Karhdo_16:

(Start: 83 @14934 has 222 MA's), (134, 15021), (Start: 158 @15066 has 2 MA's), (165, 15090), (184, 15147), (199, 15195), (201, 15201), (206, 15219), (215, 15249), (254, 15354), (273, 15408), (276, 15414), (279, 15423), (284, 15435), (287, 15444), (294, 15468), (305, 15504), (307, 15510), (311, 15522), (319, 15543), (320, 15546), (322, 15555), (328, 15570), (331, 15576), (346, 15594), (350, 15609), (353, 15615), (359, 15633), (360, 15636), (367, 15651), (373, 15666), (374, 15672), (385, 15702), (390, 15720), (394, 15732), (395, 15738), (423, 15798), (427, 15810), (443, 15846), (445, 15858), (451, 15879), (469, 15933), (471, 15942), (479, 15966), (487, 15996), (529, 16101), (533, 16113), (543, 16149), (554, 16188), (562, 16227), (585, 16326), (592, 16347), (600, 16380), (609, 16410), (616, 16440), (619, 16449), (621, 16455), (631, 16470), (632, 16473), (637, 16494), (638, 16497), (652, 16539), (657, 16569), (667, 16611), (668, 16617),

Gene: Kari_19 Start: 16385, Stop: 18121, Start Num: 80

Candidate Starts for Kari_19:

(Start: 65 @16361 has 2 MA's), (Start: 80 @16385 has 48 MA's), (115, 16445), (125, 16466), (127, 16469), (176, 16589), (190, 16628), (200, 16661), (207, 16685), (250, 16805), (261, 16844), (263, 16850), (292, 16934), (294, 16940), (297, 16952), (305, 16976), (315, 17003), (321, 17021), (337, 17060), (346, 17066), (354, 17090), (374, 17144), (379, 17156), (382, 17165), (398, 17225), (430, 17303), (445, 17342), (453, 17375), (471, 17441), (477, 17456), (479, 17465), (485, 17489), (495, 17519), (499, 17531), (540, 17633), (546, 17645), (547, 17648), (548, 17654), (549, 17663), (576, 17771), (596, 17855), (625, 17954), (660, 18062), (673, 18110),

Gene: KashFlow_28 Start: 23344, Stop: 25077, Start Num: 84

Candidate Starts for KashFlow_28:

(Start: 84 @23344 has 30 MA's), (Start: 132 @23434 has 48 MA's), (134, 23437), (173, 23539), (195, 23605), (207, 23641), (216, 23671), (220, 23686), (252, 23770), (263, 23806), (274, 23833), (288, 23872), (297, 23905), (300, 23914), (320, 23971), (336, 24013), (371, 24088), (374, 24100), (394, 24160), (413, 24214), (424, 24244), (430, 24262), (435, 24271), (446, 24304), (449, 24316), (451, 24322), (462, 24361), (479, 24418), (536, 24568), (540, 24586), (553, 24628), (558, 24652), (559, 24655), (562, 24670), (570, 24700), (578, 24730), (592, 24787), (640, 24937), (669, 25057), (673, 25063),

Gene: KayGee_18 Start: 15418, Stop: 17112, Start Num: 77

Candidate Starts for KayGee_18:

(Start: 73 @15415 has 9 MA's), (Start: 77 @15418 has 39 MA's), (135, 15517), (154, 15559), (243, 15799), (271, 15886), (280, 15907), (283, 15916), (291, 15943), (307, 15988), (345, 16021), (350, 16036), (358, 16060), (370, 16093), (381, 16126), (385, 16138), (401, 16195), (412, 16225), (422, 16243), (432, 16273), (443, 16303), (458, 16366), (475, 16417), (485, 16453), (490, 16468), (497, 16486), (511, 16543), (513, 16552), (559, 16672), (561, 16684), (574, 16732), (585, 16783), (586, 16786), (592, 16804), (612, 16882), (620, 16909), (633, 16951), (669, 17098), (673, 17104),

Gene: Kenuha5_16 Start: 14929, Stop: 16638, Start Num: 83

Candidate Starts for Kenuha5_16:

(Start: 83 @14929 has 222 MA's), (134, 15016), (Start: 158 @15061 has 2 MA's), (165, 15085), (199, 15190), (201, 15196), (206, 15214), (215, 15244), (254, 15349), (276, 15409), (284, 15430), (287, 15439), (294, 15463), (307, 15505), (319, 15538), (322, 15550), (328, 15565), (331, 15571), (346, 15589), (350, 15604), (353, 15610), (367, 15646), (368, 15649), (373, 15661), (374, 15667), (378, 15676), (390, 15715), (394, 15727), (395, 15733), (423, 15793), (427, 15805), (443, 15841), (445, 15853), (469, 15928), (471, 15937), (478, 15955), (479, 15961), (487, 15991), (529, 16096), (532, 16105), (533, 16108), (543, 16144), (562, 16222), (592, 16342), (609, 16405), (616, 16435), (619, 16444), (621, 16450), (631, 16465), (632, 16468), (638, 16492), (648, 16522), (652, 16534), (667, 16606),

Gene: Kevin1_18 Start: 14957, Stop: 16666, Start Num: 86

Candidate Starts for Kevin1_18:

(Start: 86 @14957 has 47 MA's), (104, 14984), (Start: 158 @15089 has 2 MA's), (161, 15101), (171, 15137), (190, 15188), (195, 15209), (199, 15218), (201, 15224), (207, 15245), (211, 15257), (273, 15431), (276, 15437), (283, 15455), (287, 15467), (288, 15470), (294, 15491), (319, 15566), (328, 15593), (346, 15617), (347, 15620), (350, 15632), (367, 15674), (373, 15689), (374, 15695), (378, 15704), (390, 15743), (406, 15797), (423, 15821), (445, 15881), (464, 15947), (469, 15956), (471, 15965), (486, 16016), (487, 16019), (529, 16124), (543, 16172), (560, 16238), (577, 16310), (616, 16463), (619, 16472), (631, 16493), (635, 16508), (638, 16520), (650, 16556), (652, 16562),

Gene: KidneyBean_41 Start: 30603, Stop: 32216, Start Num: 91

Candidate Starts for KidneyBean_41:

(Start: 91 @30603 has 39 MA's), (Start: 117 @30639 has 1 MA's), (124, 30657), (153, 30717), (246, 30957), (249, 30969), (253, 30984), (278, 31050), (283, 31065), (292, 31089), (293, 31092), (327, 31176), (340, 31206), (342, 31209), (374, 31266), (390, 31314), (391, 31317), (396, 31338), (438, 31443), (451, 31488), (463, 31530), (517, 31704), (533, 31734), (534, 31740), (572, 31848), (573, 31851), (592, 31926), (657, 32145), (673, 32202),

Gene: Kiko_20 Start: 16705, Stop: 18399, Start Num: 84

Candidate Starts for Kiko_20:

(61, 16663), (Start: 64 @16675 has 1 MA's), (Start: 84 @16705 has 30 MA's), (160, 16858), (180, 16915), (186, 16933), (190, 16945), (196, 16966), (223, 17044), (264, 17152), (274, 17176), (283, 17200), (307, 17272), (351, 17323), (384, 17419), (393, 17449), (411, 17503), (414, 17509), (434, 17557), (471, 17683), (511, 17818), (512, 17824), (513, 17827), (536, 17893), (563, 17980), (586, 18076), (587, 18079), (592, 18094), (608, 18154), (636, 18253), (637, 18259), (661, 18346), (673, 18391),

Gene: KilKor_19 Start: 16273, Stop: 18009, Start Num: 80

Candidate Starts for KilKor_19:

(Start: 65 @16249 has 2 MA's), (Start: 80 @16273 has 48 MA's), (115, 16333), (125, 16354), (127, 16357), (176, 16477), (190, 16516), (200, 16549), (207, 16573), (250, 16693), (261, 16732), (263, 16738), (292, 16822), (294, 16828), (297, 16840), (305, 16864), (315, 16891), (321, 16909), (337, 16948), (346, 16954), (354, 16978), (374, 17032), (379, 17044), (382, 17053), (398, 17113), (430, 17191), (445, 17230), (453, 17263), (471, 17329), (479, 17353), (485, 17377), (495, 17407), (540, 17521), (546, 17533), (548, 17542), (549, 17551), (576, 17659), (596, 17743), (625, 17842), (660, 17950), (673, 17998),

Gene: Kimberlium_18 Start: 15928, Stop: 17637, Start Num: 83

Candidate Starts for Kimberlium_18:

(Start: 83 @15928 has 222 MA's), (134, 16015), (Start: 158 @16060 has 2 MA's), (165, 16084), (199, 16189), (201, 16195), (206, 16213), (215, 16243), (254, 16348), (256, 16354), (276, 16408), (279, 16417), (284, 16429), (287, 16438), (294, 16462), (322, 16549), (328, 16564), (346, 16588), (350, 16603), (353, 16609), (367, 16645), (368, 16648), (373, 16660), (374, 16666), (390, 16714), (394, 16726), (395, 16732), (423, 16792), (427, 16804), (443, 16840), (445, 16852), (451, 16873), (469, 16927), (471, 16936), (478, 16954), (479, 16960), (487, 16990), (529, 17095), (532, 17104), (533, 17107), (543, 17143), (560, 17209), (562, 17221), (585, 17320), (592, 17341), (600, 17374), (609, 17404), (616, 17434), (619, 17443), (621, 17449), (631, 17464), (632, 17467), (638, 17491), (648, 17521), (652, 17533), (657, 17563), (667, 17605),

Gene: Kimchi_26 Start: 19739, Stop: 21418, Start Num: 87

Candidate Starts for Kimchi_26:

(Start: 87 @19739 has 85 MA's), (Start: 132 @19823 has 48 MA's), (Start: 167 @19901 has 1 MA's), (195, 19988), (201, 20003), (215, 20051), (229, 20090), (261, 20177), (274, 20210), (287, 20246), (295, 20276), (297, 20282), (321, 20351), (348, 20381), (351, 20393), (353, 20396), (374, 20453),

(424, 20585), (426, 20591), (449, 20657), (451, 20663), (456, 20687), (471, 20735), (479, 20759),
(481, 20768), (502, 20843), (532, 20894), (536, 20909), (578, 21071), (583, 21098), (592, 21128),
(620, 21233), (650, 21311), (657, 21347), (660, 21356), (667, 21389), (673, 21404),

Gene: Kimchi1738_31 Start: 27570, Stop: 29168, Start Num: 97

Candidate Starts for Kimchi1738_31:

(Start: 97 @27570 has 8 MA's), (159, 27669), (183, 27738), (194, 27777), (244, 27912), (263, 27972),
(329, 28125), (335, 28137), (339, 28146), (340, 28149), (370, 28194), (374, 28209), (378, 28218),
(381, 28227), (396, 28281), (402, 28299), (425, 28353), (499, 28569), (528, 28662), (567, 28770),
(580, 28824), (599, 28899), (639, 29028), (672, 29154),

Gene: KingJulian_16 Start: 14843, Stop: 16552, Start Num: 83

Candidate Starts for KingJulian_16:

(Start: 83 @14843 has 222 MA's), (134, 14930), (Start: 158 @14975 has 2 MA's), (165, 14999), (199,
15104), (201, 15110), (206, 15128), (215, 15158), (254, 15263), (276, 15323), (284, 15344), (287,
15353), (292, 15371), (294, 15377), (346, 15503), (350, 15518), (353, 15524), (367, 15560), (368,
15563), (373, 15575), (374, 15581), (390, 15629), (394, 15641), (395, 15647), (423, 15707), (427,
15719), (443, 15755), (445, 15767), (469, 15842), (471, 15851), (478, 15869), (479, 15875), (487,
15905), (529, 16010), (532, 16019), (533, 16022), (543, 16058), (562, 16136), (585, 16235), (592,
16256), (600, 16289), (609, 16319), (616, 16349), (619, 16358), (621, 16364), (631, 16379), (632,
16382), (638, 16406), (648, 16436), (652, 16448), (657, 16478), (667, 16520),

Gene: KingMidas_17 Start: 16108, Stop: 17817, Start Num: 83

Candidate Starts for KingMidas_17:

(Start: 83 @16108 has 222 MA's), (134, 16195), (Start: 158 @16240 has 2 MA's), (165, 16264), (199,
16369), (201, 16375), (206, 16393), (215, 16423), (254, 16528), (276, 16588), (279, 16597), (287,
16618), (294, 16642), (305, 16678), (307, 16684), (319, 16717), (320, 16720), (322, 16729), (328,
16744), (331, 16750), (346, 16768), (350, 16783), (353, 16789), (359, 16807), (360, 16810), (367,
16825), (368, 16828), (373, 16840), (374, 16846), (390, 16894), (394, 16906), (395, 16912), (423,
16972), (427, 16984), (443, 17020), (445, 17032), (469, 17107), (471, 17116), (478, 17134), (479,
17140), (487, 17170), (529, 17275), (532, 17284), (533, 17287), (543, 17323), (562, 17401), (585,
17500), (592, 17521), (600, 17554), (609, 17584), (611, 17596), (616, 17614), (618, 17620), (619,
17623), (621, 17629), (631, 17644), (632, 17647), (637, 17668), (638, 17671), (652, 17713), (667,
17785), (668, 17791),

Gene: KingPhillip3_56 Start: 33490, Stop: 35226, Start Num: 67

Candidate Starts for KingPhillip3_56:

(Start: 63 @33481 has 2 MA's), (Start: 67 @33490 has 29 MA's), (122, 33580), (170, 33697), (184,
33733), (191, 33754), (199, 33781), (201, 33787), (210, 33817), (217, 33841), (236, 33892), (287,
34030), (289, 34036), (304, 34087), (305, 34090), (311, 34108), (346, 34159), (353, 34180), (354,
34183), (373, 34231), (374, 34237), (390, 34285), (392, 34291), (394, 34297), (415, 34357), (423,
34381), (424, 34384), (443, 34429), (446, 34444), (448, 34453), (451, 34462), (464, 34507), (471,
34525), (481, 34558), (533, 34696), (538, 34717), (557, 34783), (563, 34813), (576, 34867), (585,
34909), (592, 34930), (596, 34951), (600, 34963), (606, 34984), (621, 35038), (650, 35116), (657,
35152), (662, 35173), (668, 35200),

Gene: Kingsley_17 Start: 14662, Stop: 16371, Start Num: 83

Candidate Starts for Kingsley_17:

(Start: 83 @14662 has 222 MA's), (134, 14749), (Start: 158 @14794 has 2 MA's), (165, 14818), (199,
14923), (201, 14929), (206, 14947), (215, 14977), (254, 15082), (276, 15142), (284, 15163), (287,
15172), (294, 15196), (346, 15322), (350, 15337), (353, 15343), (367, 15379), (368, 15382), (373,
15394), (374, 15400), (390, 15448), (394, 15460), (395, 15466), (423, 15526), (427, 15538), (443,
15574), (445, 15586), (469, 15661), (471, 15670), (478, 15688), (479, 15694), (487, 15724), (529,

15829), (532, 15838), (533, 15841), (543, 15877), (562, 15955), (585, 16054), (592, 16075), (600, 16108), (609, 16138), (616, 16168), (619, 16177), (621, 16183), (631, 16198), (632, 16201), (638, 16225), (648, 16255), (652, 16267), (657, 16297), (667, 16339),

Gene: Kita_19 Start: 17773, Stop: 19371, Start Num: 99

Candidate Starts for Kita_19:

(Start: 99 @17773 has 65 MA's), (208, 18022), (214, 18031), (220, 18049), (221, 18052), (246, 18106), (269, 18181), (291, 18250), (294, 18259), (297, 18271), (314, 18322), (328, 18349), (333, 18358), (334, 18361), (380, 18391), (381, 18394), (397, 18451), (423, 18517), (450, 18595), (461, 18628), (473, 18652), (484, 18688), (512, 18790), (534, 18847), (551, 18892), (554, 18898), (562, 18937), (624, 19177), (645, 19255),

Gene: Klein_37 Start: 26895, Stop: 28893, Start Num: 84

Candidate Starts for Klein_37:

(Start: 84 @26895 has 30 MA's), (Start: 132 @26985 has 48 MA's), (155, 27033), (165, 27063), (173, 27090), (207, 27192), (216, 27222), (252, 27321), (263, 27357), (265, 27363), (274, 27384), (297, 27456), (300, 27465), (307, 27486), (353, 27594), (354, 27597), (359, 27612), (374, 27651), (390, 27699), (394, 27711), (395, 27717), (413, 27765), (416, 27774), (424, 27795), (430, 27813), (447, 27861), (478, 27963), (499, 28035), (510, 28080), (512, 28092), (522, 28227), (523, 28233), (524, 28257), (525, 28329), (527, 28356), (593, 28605),

Gene: Koella_16 Start: 14774, Stop: 16483, Start Num: 83

Candidate Starts for Koella_16:

(Start: 83 @14774 has 222 MA's), (134, 14861), (Start: 158 @14906 has 2 MA's), (165, 14930), (199, 15035), (201, 15041), (206, 15059), (215, 15089), (254, 15194), (276, 15254), (284, 15275), (287, 15284), (294, 15308), (346, 15434), (350, 15449), (353, 15455), (367, 15491), (368, 15494), (373, 15506), (374, 15512), (390, 15560), (394, 15572), (395, 15578), (423, 15638), (427, 15650), (443, 15686), (445, 15698), (469, 15773), (471, 15782), (478, 15800), (479, 15806), (487, 15836), (529, 15941), (532, 15950), (533, 15953), (543, 15989), (562, 16067), (585, 16166), (592, 16187), (600, 16220), (609, 16250), (616, 16280), (619, 16289), (621, 16295), (631, 16310), (632, 16313), (638, 16337), (648, 16367), (652, 16379), (657, 16409), (667, 16451),

Gene: Kostya_24 Start: 19745, Stop: 21424, Start Num: 87

Candidate Starts for Kostya_24:

(Start: 87 @19745 has 85 MA's), (Start: 132 @19829 has 48 MA's), (Start: 167 @19907 has 1 MA's), (195, 19994), (201, 20009), (215, 20057), (229, 20096), (261, 20183), (274, 20216), (287, 20252), (295, 20282), (297, 20288), (321, 20357), (348, 20387), (351, 20399), (353, 20402), (374, 20459), (424, 20591), (426, 20597), (449, 20663), (451, 20669), (456, 20693), (471, 20741), (479, 20765), (481, 20774), (502, 20849), (532, 20900), (536, 20915), (578, 21077), (583, 21104), (592, 21134), (620, 21239), (650, 21317), (657, 21353), (660, 21362), (667, 21395), (673, 21410),

Gene: Krakatau_17 Start: 15504, Stop: 17213, Start Num: 83

Candidate Starts for Krakatau_17:

(Start: 83 @15504 has 222 MA's), (134, 15591), (Start: 158 @15636 has 2 MA's), (165, 15660), (199, 15765), (201, 15771), (206, 15789), (215, 15819), (254, 15924), (276, 15984), (284, 16005), (287, 16014), (294, 16038), (346, 16164), (350, 16179), (353, 16185), (367, 16221), (368, 16224), (373, 16236), (374, 16242), (390, 16290), (394, 16302), (395, 16308), (423, 16368), (427, 16380), (443, 16416), (445, 16428), (469, 16503), (471, 16512), (478, 16530), (479, 16536), (487, 16566), (529, 16671), (532, 16680), (533, 16683), (543, 16719), (562, 16797), (585, 16896), (592, 16917), (600, 16950), (609, 16980), (616, 17010), (619, 17019), (621, 17025), (631, 17040), (632, 17043), (638, 17067), (648, 17097), (652, 17109), (657, 17139), (667, 17181),

Gene: Krili_55 Start: 32985, Stop: 34721, Start Num: 67

Candidate Starts for Krili_55:

(Start: 63 @32976 has 2 MA's), (Start: 67 @32985 has 29 MA's), (122, 33075), (170, 33192), (184, 33228), (191, 33249), (199, 33276), (201, 33282), (210, 33312), (217, 33336), (236, 33387), (287, 33525), (289, 33531), (304, 33582), (305, 33585), (311, 33603), (346, 33654), (353, 33675), (354, 33678), (373, 33726), (374, 33732), (390, 33780), (392, 33786), (394, 33792), (415, 33852), (423, 33876), (424, 33879), (443, 33924), (446, 33939), (448, 33948), (451, 33957), (464, 34002), (471, 34020), (481, 34053), (533, 34191), (538, 34212), (557, 34278), (563, 34308), (576, 34362), (585, 34404), (592, 34425), (596, 34446), (600, 34458), (606, 34479), (621, 34533), (650, 34611), (657, 34647), (662, 34668), (668, 34695),

Gene: KristaRAM_17 Start: 15479, Stop: 17188, Start Num: 83

Candidate Starts for KristaRAM_17:

(Start: 83 @15479 has 222 MA's), (Start: 158 @15611 has 2 MA's), (165, 15635), (199, 15740), (201, 15746), (206, 15764), (215, 15794), (254, 15899), (276, 15959), (284, 15980), (287, 15989), (294, 16013), (346, 16139), (350, 16154), (353, 16160), (367, 16196), (368, 16199), (373, 16211), (374, 16217), (390, 16265), (394, 16277), (395, 16283), (423, 16343), (427, 16355), (443, 16391), (445, 16403), (469, 16478), (471, 16487), (478, 16505), (479, 16511), (487, 16541), (529, 16646), (532, 16655), (533, 16658), (543, 16694), (562, 16772), (585, 16871), (592, 16892), (600, 16925), (609, 16955), (616, 16985), (619, 16994), (621, 17000), (631, 17015), (632, 17018), (638, 17042), (648, 17072), (652, 17084), (657, 17114), (667, 17156),

Gene: Ksquared_19 Start: 16407, Stop: 18143, Start Num: 80

Candidate Starts for Ksquared_19:

(Start: 65 @16383 has 2 MA's), (Start: 80 @16407 has 48 MA's), (115, 16467), (125, 16488), (127, 16491), (176, 16611), (190, 16650), (200, 16683), (207, 16707), (250, 16827), (261, 16866), (263, 16872), (292, 16956), (294, 16962), (297, 16974), (305, 16998), (315, 17025), (321, 17043), (337, 17082), (346, 17088), (354, 17112), (374, 17166), (379, 17178), (382, 17187), (398, 17247), (430, 17325), (445, 17364), (453, 17397), (471, 17463), (477, 17478), (479, 17487), (485, 17511), (495, 17541), (499, 17553), (540, 17655), (546, 17667), (547, 17670), (548, 17676), (549, 17685), (576, 17793), (596, 17877), (625, 17976), (660, 18084), (673, 18132),

Gene: Kurt_41 Start: 30840, Stop: 32453, Start Num: 91

Candidate Starts for Kurt_41:

(Start: 91 @30840 has 39 MA's), (Start: 117 @30876 has 1 MA's), (124, 30894), (153, 30954), (246, 31194), (249, 31206), (253, 31221), (278, 31287), (283, 31302), (292, 31326), (293, 31329), (327, 31413), (340, 31443), (342, 31446), (374, 31503), (390, 31551), (391, 31554), (396, 31575), (438, 31680), (451, 31725), (463, 31767), (517, 31941), (533, 31971), (534, 31977), (572, 32085), (573, 32088), (592, 32163), (657, 32382), (673, 32439),

Gene: Kuwabara_19 Start: 15987, Stop: 17696, Start Num: 51

Candidate Starts for Kuwabara_19:

(Start: 51 @15987 has 25 MA's), (53, 15999), (55, 16002), (208, 16299), (227, 16350), (230, 16359), (238, 16377), (253, 16419), (255, 16425), (265, 16455), (271, 16473), (290, 16524), (291, 16530), (300, 16560), (345, 16602), (351, 16623), (354, 16629), (361, 16653), (381, 16704), (382, 16707), (391, 16737), (445, 16887), (454, 16923), (495, 17049), (511, 17115), (555, 17238), (559, 17259), (561, 17271), (563, 17277), (565, 17286), (566, 17289), (579, 17343), (586, 17373), (603, 17442), (631, 17529), (633, 17535), (647, 17586), (657, 17631), (667, 17673), (675, 17691),

Gene: Kwekel_32 Start: 27487, Stop: 29106, Start Num: 92

Candidate Starts for Kwekel_32:

(Start: 92 @27487 has 11 MA's), (Start: 99 @27493 has 65 MA's), (106, 27508), (137, 27571), (186, 27694), (190, 27706), (214, 27763), (247, 27841), (288, 27964), (354, 28078), (366, 28108), (381, 28150), (398, 28213), (423, 28261), (426, 28270), (448, 28333), (457, 28369), (507, 28534), (508,

28537), (513, 28564), (534, 28615), (558, 28672), (559, 28675), (568, 28711), (570, 28720), (582, 28777), (583, 28783), (584, 28789), (597, 28837), (600, 28846), (601, 28852), (602, 28855), (616, 28894), (620, 28906), (635, 28951), (653, 29020), (664, 29068), (667, 29080), (673, 29095),

Gene: Lamberg_17 Start: 14694, Stop: 16403, Start Num: 100

Candidate Starts for Lamberg_17:

(Start: 100 @14694 has 33 MA's), (157, 14811), (181, 14883), (205, 14961), (253, 15084), (260, 15105), (283, 15174), (284, 15177), (301, 15234), (333, 15309), (352, 15363), (380, 15444), (397, 15504), (463, 15669), (473, 15687), (479, 15702), (485, 15726), (508, 15798), (509, 15801), (512, 15822), (583, 16056), (587, 16071), (598, 16113), (623, 16206), (624, 16209), (637, 16257), (645, 16287), (660, 16344),

Gene: Langerak_19 Start: 16369, Stop: 18105, Start Num: 80

Candidate Starts for Langerak_19:

(Start: 65 @16345 has 2 MA's), (Start: 80 @16369 has 48 MA's), (115, 16429), (125, 16450), (127, 16453), (176, 16573), (190, 16612), (200, 16645), (207, 16669), (250, 16789), (261, 16828), (263, 16834), (292, 16918), (294, 16924), (297, 16936), (305, 16960), (315, 16987), (321, 17005), (337, 17044), (346, 17050), (354, 17074), (374, 17128), (379, 17140), (382, 17149), (398, 17209), (430, 17287), (445, 17326), (453, 17359), (471, 17425), (477, 17440), (479, 17449), (485, 17473), (495, 17503), (499, 17515), (540, 17617), (546, 17629), (547, 17632), (548, 17638), (549, 17647), (576, 17755), (596, 17839), (625, 17938), (660, 18046), (673, 18094),

Gene: LastJedi_16 Start: 14805, Stop: 16514, Start Num: 83

Candidate Starts for LastJedi_16:

(Start: 83 @14805 has 222 MA's), (134, 14892), (Start: 158 @14937 has 2 MA's), (165, 14961), (199, 15066), (201, 15072), (206, 15090), (215, 15120), (254, 15225), (276, 15285), (284, 15306), (287, 15315), (294, 15339), (346, 15465), (350, 15480), (353, 15486), (367, 15522), (368, 15525), (373, 15537), (374, 15543), (390, 15591), (394, 15603), (395, 15609), (423, 15669), (427, 15681), (443, 15717), (445, 15729), (469, 15804), (471, 15813), (478, 15831), (479, 15837), (487, 15867), (529, 15972), (532, 15981), (533, 15984), (543, 16020), (562, 16098), (585, 16197), (592, 16218), (600, 16251), (609, 16281), (616, 16311), (619, 16320), (621, 16326), (631, 16341), (632, 16344), (638, 16368), (648, 16398), (652, 16410), (657, 16440), (667, 16482),

Gene: Latretium_17 Start: 15486, Stop: 17195, Start Num: 83

Candidate Starts for Latretium_17:

(Start: 83 @15486 has 222 MA's), (134, 15573), (143, 15594), (Start: 158 @15618 has 2 MA's), (165, 15642), (170, 15663), (199, 15747), (201, 15753), (206, 15771), (215, 15801), (254, 15906), (276, 15966), (279, 15975), (284, 15987), (287, 15996), (292, 16014), (294, 16020), (307, 16062), (319, 16095), (322, 16107), (328, 16122), (331, 16128), (346, 16146), (350, 16161), (353, 16167), (360, 16188), (368, 16206), (373, 16218), (374, 16224), (390, 16272), (394, 16284), (395, 16290), (423, 16350), (427, 16362), (443, 16398), (445, 16410), (469, 16485), (471, 16494), (478, 16512), (479, 16518), (487, 16548), (529, 16653), (532, 16662), (533, 16665), (543, 16701), (562, 16779), (585, 16878), (592, 16899), (600, 16932), (609, 16962), (616, 16992), (619, 17001), (621, 17007), (631, 17022), (632, 17025), (638, 17049), (648, 17079), (652, 17091), (657, 17121), (667, 17163),

Gene: Lauer_17 Start: 15467, Stop: 17161, Start Num: 77

Candidate Starts for Lauer_17:

(Start: 73 @15464 has 9 MA's), (Start: 77 @15467 has 39 MA's), (135, 15566), (154, 15608), (243, 15848), (271, 15935), (280, 15956), (283, 15965), (291, 15992), (307, 16037), (345, 16070), (350, 16085), (358, 16109), (370, 16142), (381, 16175), (385, 16187), (401, 16244), (412, 16274), (422, 16292), (432, 16322), (443, 16352), (458, 16415), (475, 16466), (485, 16502), (490, 16517), (497, 16535), (511, 16592), (513, 16601), (559, 16721), (561, 16733), (574, 16781), (585, 16832), (586, 16835), (592, 16853), (612, 16931), (620, 16958), (633, 17000), (669, 17147), (673, 17153),

Gene: Leonard_33 Start: 29137, Stop: 30762, Start Num: 90

Candidate Starts for Leonard_33:

(Start: 60 @29080 has 1 MA's), (Start: 90 @29137 has 22 MA's), (Start: 99 @29149 has 65 MA's), (118, 29182), (121, 29191), (128, 29203), (138, 29233), (156, 29266), (186, 29350), (190, 29362), (220, 29437), (247, 29497), (254, 29527), (354, 29734), (366, 29764), (381, 29806), (382, 29809), (398, 29869), (423, 29917), (448, 29989), (456, 30022), (457, 30025), (473, 30064), (484, 30103), (507, 30190), (508, 30193), (534, 30271), (559, 30331), (570, 30376), (588, 30457), (602, 30511), (635, 30607), (667, 30736), (673, 30751),

Gene: Leozinho_17 Start: 14652, Stop: 16361, Start Num: 83

Candidate Starts for Leozinho_17:

(Start: 83 @14652 has 222 MA's), (134, 14739), (Start: 158 @14784 has 2 MA's), (165, 14808), (199, 14913), (201, 14919), (206, 14937), (215, 14967), (254, 15072), (276, 15132), (284, 15153), (287, 15162), (292, 15180), (294, 15186), (346, 15312), (350, 15327), (353, 15333), (367, 15369), (368, 15372), (373, 15384), (374, 15390), (390, 15438), (394, 15450), (395, 15456), (423, 15516), (427, 15528), (443, 15564), (445, 15576), (469, 15651), (471, 15660), (478, 15678), (479, 15684), (487, 15714), (529, 15819), (532, 15828), (533, 15831), (543, 15867), (562, 15945), (585, 16044), (592, 16065), (600, 16098), (609, 16128), (616, 16158), (619, 16167), (621, 16173), (631, 16188), (632, 16191), (638, 16215), (648, 16245), (652, 16257), (657, 16287), (667, 16329),

Gene: Leperchaun_16 Start: 14796, Stop: 16505, Start Num: 83

Candidate Starts for Leperchaun_16:

(Start: 83 @14796 has 222 MA's), (134, 14883), (Start: 158 @14928 has 2 MA's), (165, 14952), (199, 15057), (201, 15063), (206, 15081), (215, 15111), (254, 15216), (273, 15270), (276, 15276), (284, 15297), (287, 15306), (294, 15330), (346, 15456), (350, 15471), (353, 15477), (367, 15513), (368, 15516), (373, 15528), (374, 15534), (390, 15582), (394, 15594), (395, 15600), (423, 15660), (427, 15672), (443, 15708), (445, 15720), (469, 15795), (471, 15804), (478, 15822), (479, 15828), (487, 15858), (529, 15963), (533, 15975), (543, 16011), (562, 16089), (592, 16209), (600, 16242), (609, 16272), (611, 16284), (616, 16302), (619, 16311), (621, 16317), (631, 16332), (632, 16335), (638, 16359), (652, 16401), (657, 16431), (667, 16473),

Gene: LilMoolah_16 Start: 14938, Stop: 16647, Start Num: 83

Candidate Starts for LilMoolah_16:

(Start: 83 @14938 has 222 MA's), (134, 15025), (Start: 158 @15070 has 2 MA's), (165, 15094), (184, 15151), (199, 15199), (201, 15205), (206, 15223), (215, 15253), (254, 15358), (273, 15412), (276, 15418), (279, 15427), (287, 15448), (294, 15472), (305, 15508), (307, 15514), (319, 15547), (320, 15550), (322, 15559), (328, 15574), (331, 15580), (346, 15598), (350, 15613), (353, 15619), (359, 15637), (360, 15640), (367, 15655), (373, 15670), (374, 15676), (390, 15724), (394, 15736), (395, 15742), (423, 15802), (427, 15814), (443, 15850), (445, 15862), (469, 15937), (471, 15946), (478, 15964), (479, 15970), (487, 16000), (529, 16105), (533, 16117), (543, 16153), (562, 16231), (592, 16351), (600, 16384), (609, 16414), (611, 16426), (616, 16444), (618, 16450), (619, 16453), (621, 16459), (631, 16474), (632, 16477), (637, 16498), (638, 16501), (652, 16543), (657, 16573), (667, 16615), (668, 16621),

Gene: Lilac_26 Start: 19243, Stop: 20922, Start Num: 87

Candidate Starts for Lilac_26:

(Start: 87 @19243 has 85 MA's), (Start: 132 @19327 has 48 MA's), (Start: 167 @19405 has 1 MA's), (195, 19492), (201, 19507), (215, 19555), (229, 19594), (261, 19681), (274, 19714), (287, 19750), (295, 19780), (297, 19786), (321, 19855), (348, 19885), (351, 19897), (353, 19900), (374, 19957), (424, 20089), (426, 20095), (449, 20161), (451, 20167), (456, 20191), (471, 20239), (479, 20263), (481, 20272), (502, 20347), (532, 20398), (536, 20413), (578, 20575), (583, 20602), (592, 20632), (620, 20737), (650, 20815), (657, 20851), (660, 20860), (667, 20893), (673, 20908),

Gene: Lilas_20 Start: 17715, Stop: 19421, Start Num: 51

Candidate Starts for Lilas_20:

(Start: 44 @17691 has 1 MA's), (Start: 51 @17715 has 25 MA's), (Start: 67 @17763 has 29 MA's), (103, 17820), (124, 17862), (220, 18051), (271, 18198), (274, 18204), (290, 18249), (363, 18387), (391, 18462), (484, 18744), (491, 18765), (511, 18840), (541, 18927), (555, 18963), (561, 18996), (563, 19002), (579, 19068), (586, 19098), (631, 19254), (633, 19260), (637, 19278), (665, 19389),

Gene: Lilbeanie_30 Start: 24430, Stop: 26055, Start Num: 88

Candidate Starts for Lilbeanie_30:

(Start: 88 @24430 has 5 MA's), (Start: 92 @24436 has 11 MA's), (113, 24469), (130, 24502), (156, 24559), (222, 24739), (254, 24820), (288, 24913), (290, 24919), (292, 24928), (354, 25027), (358, 25039), (366, 25057), (381, 25099), (398, 25162), (424, 25213), (426, 25219), (473, 25357), (484, 25396), (485, 25399), (499, 25453), (500, 25459), (508, 25486), (513, 25513), (519, 25537), (534, 25564), (563, 25642), (570, 25669), (590, 25756), (597, 25786), (620, 25855), (630, 25882), (650, 25951), (651, 25954), (654, 25972), (663, 26014), (673, 26044),

Gene: Lilizi_26 Start: 19451, Stop: 21130, Start Num: 87

Candidate Starts for Lilizi_26:

(Start: 87 @19451 has 85 MA's), (Start: 132 @19535 has 48 MA's), (Start: 167 @19613 has 1 MA's), (195, 19700), (201, 19715), (215, 19763), (229, 19802), (261, 19889), (274, 19922), (287, 19958), (295, 19988), (297, 19994), (321, 20063), (348, 20093), (351, 20105), (353, 20108), (374, 20165), (424, 20297), (426, 20303), (449, 20369), (451, 20375), (456, 20399), (471, 20447), (479, 20471), (481, 20480), (502, 20555), (532, 20606), (536, 20621), (578, 20783), (583, 20810), (592, 20840), (620, 20945), (650, 21023), (657, 21059), (660, 21068), (667, 21101), (673, 21116),

Gene: Lilpickle_23 Start: 18953, Stop: 20632, Start Num: 87

Candidate Starts for Lilpickle_23:

(Start: 87 @18953 has 85 MA's), (Start: 132 @19037 has 48 MA's), (Start: 167 @19115 has 1 MA's), (195, 19202), (201, 19217), (215, 19265), (229, 19304), (261, 19391), (274, 19424), (287, 19460), (295, 19490), (297, 19496), (321, 19565), (348, 19595), (351, 19607), (353, 19610), (374, 19667), (424, 19799), (426, 19805), (449, 19871), (451, 19877), (456, 19901), (471, 19949), (479, 19973), (481, 19982), (502, 20057), (532, 20108), (536, 20123), (578, 20285), (583, 20312), (592, 20342), (620, 20447), (650, 20525), (657, 20561), (660, 20570), (667, 20603), (673, 20618),

Gene: LittleE_37 Start: 28308, Stop: 30041, Start Num: 84

Candidate Starts for LittleE_37:

(Start: 84 @28308 has 30 MA's), (Start: 132 @28398 has 48 MA's), (134, 28401), (173, 28503), (195, 28569), (207, 28605), (216, 28635), (220, 28650), (252, 28734), (263, 28770), (274, 28797), (288, 28836), (297, 28869), (300, 28878), (320, 28935), (336, 28977), (371, 29052), (374, 29064), (394, 29124), (413, 29178), (424, 29208), (430, 29226), (435, 29235), (446, 29268), (449, 29280), (451, 29286), (462, 29325), (479, 29382), (536, 29532), (540, 29550), (553, 29592), (558, 29616), (559, 29619), (562, 29634), (570, 29664), (578, 29694), (592, 29751), (640, 29901), (669, 30021), (673, 30027),

Gene: LittleShirley_17 Start: 14625, Stop: 16334, Start Num: 83

Candidate Starts for LittleShirley_17:

(Start: 83 @14625 has 222 MA's), (134, 14712), (143, 14733), (Start: 158 @14757 has 2 MA's), (165, 14781), (170, 14802), (199, 14886), (201, 14892), (206, 14910), (215, 14940), (254, 15045), (276, 15105), (284, 15126), (287, 15135), (294, 15159), (319, 15234), (320, 15237), (322, 15246), (328, 15261), (331, 15267), (346, 15285), (350, 15300), (353, 15306), (360, 15327), (367, 15342), (373, 15357), (374, 15363), (390, 15411), (394, 15423), (395, 15429), (423, 15489), (427, 15501), (443, 15537), (445, 15549), (469, 15624), (471, 15633), (478, 15651), (479, 15657), (487, 15687), (529,

15792), (533, 15804), (543, 15840), (562, 15918), (592, 16038), (600, 16071), (609, 16101), (611, 16113), (616, 16131), (618, 16137), (619, 16140), (621, 16146), (631, 16161), (632, 16164), (637, 16185), (638, 16188), (652, 16230), (657, 16260), (667, 16302), (668, 16308),

Gene: Livelaughbron_24 Start: 19946, Stop: 21541, Start Num: 132

Candidate Starts for Livelaughbron_24:

(Start: 87 @19862 has 85 MA's), (Start: 132 @19946 has 48 MA's), (Start: 167 @20024 has 1 MA's), (195, 20111), (201, 20126), (215, 20174), (229, 20213), (261, 20300), (274, 20333), (287, 20369), (295, 20399), (297, 20405), (321, 20474), (348, 20504), (351, 20516), (353, 20519), (374, 20576), (424, 20708), (426, 20714), (449, 20780), (451, 20786), (456, 20810), (471, 20858), (479, 20882), (481, 20891), (502, 20966), (532, 21017), (536, 21032), (578, 21194), (583, 21221), (592, 21251), (620, 21356), (650, 21434), (657, 21470), (660, 21479), (667, 21512), (673, 21527),

Gene: Lizziana_16 Start: 14813, Stop: 16522, Start Num: 83

Candidate Starts for Lizziana_16:

(Start: 83 @14813 has 222 MA's), (134, 14900), (Start: 158 @14945 has 2 MA's), (165, 14969), (199, 15074), (201, 15080), (206, 15098), (215, 15128), (254, 15233), (273, 15287), (276, 15293), (279, 15302), (287, 15323), (294, 15347), (305, 15383), (307, 15389), (319, 15422), (320, 15425), (322, 15434), (328, 15449), (331, 15455), (346, 15473), (350, 15488), (353, 15494), (359, 15512), (360, 15515), (367, 15530), (373, 15545), (374, 15551), (390, 15599), (394, 15611), (395, 15617), (423, 15677), (427, 15689), (443, 15725), (445, 15737), (469, 15812), (471, 15821), (478, 15839), (479, 15845), (487, 15875), (529, 15980), (533, 15992), (543, 16028), (562, 16106), (592, 16226), (600, 16259), (609, 16289), (611, 16301), (616, 16319), (618, 16325), (619, 16328), (621, 16334), (631, 16349), (632, 16352), (637, 16373), (638, 16376), (652, 16418), (657, 16448), (667, 16490), (668, 16496),

Gene: Llama_16 Start: 15041, Stop: 16750, Start Num: 83

Candidate Starts for Llama_16:

(Start: 83 @15041 has 222 MA's), (134, 15128), (143, 15149), (Start: 158 @15173 has 2 MA's), (165, 15197), (170, 15218), (199, 15302), (201, 15308), (206, 15326), (215, 15356), (254, 15461), (273, 15515), (276, 15521), (283, 15539), (284, 15542), (287, 15551), (294, 15575), (319, 15650), (322, 15662), (328, 15677), (331, 15683), (346, 15701), (350, 15716), (353, 15722), (362, 15749), (367, 15758), (373, 15773), (374, 15779), (390, 15827), (394, 15839), (395, 15845), (423, 15905), (427, 15917), (443, 15953), (445, 15965), (451, 15986), (469, 16040), (471, 16049), (478, 16067), (479, 16073), (487, 16103), (529, 16208), (532, 16217), (533, 16220), (543, 16256), (554, 16295), (562, 16334), (592, 16454), (600, 16487), (609, 16517), (616, 16547), (619, 16556), (621, 16562), (631, 16577), (632, 16580), (637, 16601), (638, 16604), (650, 16640), (652, 16646), (657, 16676), (667, 16718),

Gene: Llij_16 Start: 14790, Stop: 16499, Start Num: 83

Candidate Starts for Llij_16:

(Start: 83 @14790 has 222 MA's), (134, 14877), (Start: 158 @14922 has 2 MA's), (165, 14946), (184, 15003), (199, 15051), (201, 15057), (206, 15075), (215, 15105), (235, 15159), (254, 15210), (273, 15264), (276, 15270), (279, 15279), (287, 15300), (294, 15324), (305, 15360), (307, 15366), (319, 15399), (320, 15402), (322, 15411), (328, 15426), (331, 15432), (346, 15450), (350, 15465), (353, 15471), (359, 15489), (360, 15492), (367, 15507), (373, 15522), (374, 15528), (390, 15576), (394, 15588), (395, 15594), (423, 15654), (427, 15666), (443, 15702), (445, 15714), (469, 15789), (471, 15798), (478, 15816), (479, 15822), (487, 15852), (529, 15957), (533, 15969), (543, 16005), (562, 16083), (592, 16203), (600, 16236), (609, 16266), (611, 16278), (616, 16296), (618, 16302), (619, 16305), (621, 16311), (631, 16326), (632, 16329), (637, 16350), (638, 16353), (652, 16395), (657, 16425), (667, 16467), (668, 16473),

Gene: Lollipop1437_46 Start: 31458, Stop: 33080, Start Num: 91

Candidate Starts for Lollipop1437_46:

(Start: 91 @31458 has 39 MA's), (153, 31575), (246, 31815), (249, 31827), (253, 31842), (278, 31908), (283, 31923), (327, 32034), (340, 32064), (342, 32067), (374, 32124), (396, 32196), (428, 32280), (438, 32301), (463, 32388), (483, 32436), (517, 32562), (518, 32565), (534, 32598), (560, 32655), (592, 32784), (601, 32823), (638, 32928), (655, 32991), (657, 33003), (661, 33015), (662, 33024), (673, 33060),

Gene: LonelyBoi_20 Start: 17718, Stop: 19424, Start Num: 51

Candidate Starts for LonelyBoi_20:

(Start: 44 @17694 has 1 MA's), (Start: 51 @17718 has 25 MA's), (103, 17823), (124, 17865), (169, 17940), (220, 18054), (271, 18201), (274, 18207), (290, 18252), (363, 18390), (391, 18465), (484, 18747), (491, 18768), (511, 18843), (541, 18930), (555, 18966), (561, 18999), (563, 19005), (579, 19071), (586, 19101), (633, 19263), (637, 19281), (665, 19392),

Gene: LordFarquaad_17 Start: 14751, Stop: 16460, Start Num: 100

Candidate Starts for LordFarquaad_17:

(41, 14616), (Start: 100 @14751 has 33 MA's), (181, 14940), (182, 14943), (205, 15018), (225, 15072), (253, 15141), (257, 15153), (283, 15231), (284, 15234), (333, 15366), (352, 15420), (369, 15471), (380, 15501), (397, 15561), (400, 15573), (423, 15609), (463, 15726), (473, 15744), (485, 15783), (512, 15879), (554, 15987), (623, 16263), (624, 16266), (637, 16314), (645, 16344),

Gene: LordVader_18 Start: 14721, Stop: 16430, Start Num: 83

Candidate Starts for LordVader_18:

(Start: 83 @14721 has 222 MA's), (134, 14808), (143, 14829), (Start: 158 @14853 has 2 MA's), (165, 14877), (199, 14982), (201, 14988), (206, 15006), (215, 15036), (254, 15141), (276, 15201), (279, 15210), (283, 15219), (284, 15222), (287, 15231), (294, 15255), (307, 15297), (319, 15330), (322, 15342), (328, 15357), (331, 15363), (346, 15381), (350, 15396), (353, 15402), (359, 15420), (360, 15423), (367, 15438), (373, 15453), (374, 15459), (390, 15507), (394, 15519), (395, 15525), (423, 15585), (427, 15597), (443, 15633), (445, 15645), (451, 15666), (469, 15720), (471, 15729), (478, 15747), (479, 15753), (487, 15783), (529, 15888), (532, 15897), (533, 15900), (543, 15936), (562, 16014), (585, 16113), (592, 16134), (600, 16167), (609, 16197), (616, 16227), (619, 16236), (621, 16242), (631, 16257), (632, 16260), (637, 16281), (638, 16284), (652, 16326), (667, 16398),

Gene: Lorde_17 Start: 14628, Stop: 16337, Start Num: 83

Candidate Starts for Lorde_17:

(Start: 83 @14628 has 222 MA's), (134, 14715), (Start: 158 @14760 has 2 MA's), (165, 14784), (184, 14841), (199, 14889), (201, 14895), (206, 14913), (215, 14943), (254, 15048), (273, 15102), (276, 15108), (279, 15117), (284, 15129), (287, 15138), (294, 15162), (305, 15198), (307, 15204), (311, 15216), (319, 15237), (320, 15240), (322, 15249), (328, 15264), (331, 15270), (346, 15288), (350, 15303), (353, 15309), (359, 15327), (360, 15330), (367, 15345), (373, 15360), (374, 15366), (385, 15396), (390, 15414), (394, 15426), (395, 15432), (423, 15492), (427, 15504), (443, 15540), (445, 15552), (451, 15573), (469, 15627), (471, 15636), (479, 15660), (487, 15690), (529, 15795), (533, 15807), (543, 15843), (554, 15882), (562, 15921), (585, 16020), (592, 16041), (600, 16074), (609, 16104), (616, 16134), (619, 16143), (621, 16149), (631, 16164), (632, 16167), (637, 16188), (638, 16191), (652, 16233), (657, 16263), (667, 16305), (668, 16311),

Gene: Lozinak_48 Start: 29612, Stop: 31303, Start Num: 74

Candidate Starts for Lozinak_48:

(Start: 74 @29612 has 17 MA's), (110, 29672), (129, 29705), (138, 29735), (139, 29738), (201, 29897), (204, 29906), (255, 30035), (272, 30083), (374, 30296), (376, 30302), (385, 30326), (433, 30455), (443, 30476), (451, 30509), (502, 30707), (560, 30860), (583, 30959), (586, 30971), (589, 30980), (614, 31064), (658, 31211), (666, 31247),

Gene: Lton_17 Start: 14723, Stop: 16432, Start Num: 100

Candidate Starts for Lton_17:

(41, 14588), (Start: 100 @14723 has 33 MA's), (181, 14912), (182, 14915), (205, 14990), (225, 15044), (253, 15113), (283, 15203), (284, 15206), (333, 15338), (352, 15392), (380, 15473), (397, 15533), (398, 15539), (440, 15620), (463, 15698), (473, 15716), (485, 15755), (508, 15827), (509, 15830), (512, 15851), (583, 16085), (587, 16100), (598, 16142), (623, 16235), (624, 16238), (637, 16286), (645, 16316),

Gene: Lucia_17 Start: 14830, Stop: 16539, Start Num: 83

Candidate Starts for Lucia_17:

(Start: 83 @14830 has 222 MA's), (134, 14917), (Start: 158 @14962 has 2 MA's), (165, 14986), (199, 15091), (201, 15097), (206, 15115), (215, 15145), (254, 15250), (276, 15310), (284, 15331), (287, 15340), (294, 15364), (346, 15490), (350, 15505), (353, 15511), (367, 15547), (368, 15550), (373, 15562), (374, 15568), (390, 15616), (394, 15628), (395, 15634), (423, 15694), (427, 15706), (443, 15742), (445, 15754), (469, 15829), (471, 15838), (478, 15856), (479, 15862), (487, 15892), (529, 15997), (533, 16009), (543, 16045), (562, 16123), (592, 16243), (600, 16276), (609, 16306), (611, 16318), (616, 16336), (619, 16345), (621, 16351), (631, 16366), (632, 16369), (638, 16393), (652, 16435), (657, 16465), (667, 16507),

Gene: Lucky10_18 Start: 15185, Stop: 16897, Start Num: 51

Candidate Starts for Lucky10_18:

(Start: 51 @15185 has 25 MA's), (Start: 67 @15239 has 29 MA's), (126, 15341), (169, 15413), (208, 15494), (227, 15545), (238, 15578), (255, 15626), (271, 15674), (275, 15683), (290, 15725), (300, 15761), (345, 15803), (351, 15824), (354, 15830), (361, 15854), (381, 15905), (382, 15908), (391, 15938), (495, 16250), (511, 16316), (518, 16346), (555, 16439), (559, 16460), (561, 16472), (563, 16478), (564, 16484), (566, 16490), (579, 16544), (586, 16574), (603, 16643), (631, 16730), (633, 16736), (639, 16760), (647, 16787),

Gene: Lucky2013_34 Start: 25206, Stop: 26939, Start Num: 84

Candidate Starts for Lucky2013_34:

(Start: 84 @25206 has 30 MA's), (Start: 132 @25296 has 48 MA's), (134, 25299), (173, 25401), (195, 25467), (207, 25503), (216, 25533), (220, 25548), (252, 25632), (263, 25668), (274, 25695), (288, 25734), (297, 25767), (300, 25776), (320, 25833), (336, 25875), (371, 25950), (374, 25962), (394, 26022), (413, 26076), (424, 26106), (430, 26124), (435, 26133), (446, 26166), (449, 26178), (451, 26184), (462, 26223), (479, 26280), (536, 26430), (540, 26448), (553, 26490), (558, 26514), (559, 26517), (562, 26532), (570, 26562), (578, 26592), (592, 26649), (640, 26799), (673, 26925),

Gene: LunaStella_18 Start: 15370, Stop: 17073, Start Num: 88

Candidate Starts for LunaStella_18:

(Start: 72 @15346 has 1 MA's), (76, 15352), (Start: 80 @15358 has 48 MA's), (Start: 88 @15370 has 5 MA's), (Start: 92 @15376 has 11 MA's), (Start: 158 @15496 has 2 MA's), (165, 15520), (171, 15544), (199, 15625), (201, 15631), (206, 15649), (215, 15679), (279, 15853), (287, 15874), (288, 15877), (298, 15913), (311, 15952), (331, 16006), (346, 16024), (347, 16027), (350, 16039), (353, 16045), (367, 16081), (374, 16102), (381, 16120), (390, 16150), (394, 16162), (395, 16168), (423, 16228), (443, 16276), (454, 16321), (469, 16363), (471, 16372), (479, 16396), (487, 16426), (499, 16471), (529, 16531), (532, 16540), (533, 16543), (543, 16579), (563, 16660), (595, 16789), (600, 16810), (609, 16840), (616, 16870), (619, 16879), (621, 16885), (631, 16900), (632, 16903), (673, 17056),

Gene: Lysidious_20 Start: 17174, Stop: 18820, Start Num: 93

Candidate Starts for Lysidious_20:

(71, 17138), (Start: 93 @17174 has 51 MA's), (144, 17276), (173, 17354), (Start: 179 @17357 has 11 MA's), (219, 17453), (233, 17492), (255, 17552), (262, 17573), (283, 17627), (288, 17642), (374, 17813), (385, 17843), (451, 18026), (456, 18050), (475, 18101), (502, 18194), (507, 18206), (516,

18251), (520, 18266), (559, 18398), (560, 18401), (583, 18500), (588, 18518), (601, 18569), (624, 18635), (643, 18698), (648, 18710),

Gene: MAnor_18 Start: 15425, Stop: 17119, Start Num: 77

Candidate Starts for MAnor_18:

(Start: 73 @15422 has 9 MA's), (Start: 77 @15425 has 39 MA's), (135, 15524), (138, 15536), (154, 15566), (164, 15587), (203, 15704), (243, 15806), (271, 15893), (283, 15923), (291, 15950), (307, 15995), (332, 16013), (345, 16028), (350, 16043), (370, 16100), (381, 16133), (385, 16145), (394, 16175), (412, 16232), (422, 16250), (432, 16280), (443, 16310), (458, 16373), (475, 16424), (485, 16460), (490, 16475), (497, 16493), (511, 16550), (559, 16679), (561, 16691), (585, 16790), (586, 16793), (592, 16811), (612, 16889), (620, 16916), (633, 16958), (669, 17105), (673, 17111),

Gene: MISSy_23 Start: 19258, Stop: 20937, Start Num: 87

Candidate Starts for MISSy_23:

(Start: 87 @19258 has 85 MA's), (Start: 132 @19342 has 48 MA's), (Start: 167 @19420 has 1 MA's), (195, 19507), (201, 19522), (215, 19570), (229, 19609), (261, 19696), (274, 19729), (287, 19765), (295, 19795), (297, 19801), (321, 19870), (348, 19900), (351, 19912), (353, 19915), (374, 19972), (424, 20104), (426, 20110), (449, 20176), (451, 20182), (456, 20206), (471, 20254), (479, 20278), (481, 20287), (502, 20362), (532, 20413), (536, 20428), (578, 20590), (583, 20617), (592, 20647), (620, 20752), (650, 20830), (657, 20866), (660, 20875), (667, 20908), (673, 20923),

Gene: MPhalcon_23 Start: 19252, Stop: 20931, Start Num: 87

Candidate Starts for MPhalcon_23:

(Start: 87 @19252 has 85 MA's), (Start: 132 @19336 has 48 MA's), (Start: 167 @19414 has 1 MA's), (195, 19501), (201, 19516), (215, 19564), (229, 19603), (261, 19690), (274, 19723), (287, 19759), (295, 19789), (297, 19795), (321, 19864), (348, 19894), (351, 19906), (353, 19909), (374, 19966), (424, 20098), (426, 20104), (449, 20170), (451, 20176), (456, 20200), (471, 20248), (479, 20272), (481, 20281), (502, 20356), (532, 20407), (536, 20422), (578, 20584), (583, 20611), (592, 20641), (620, 20746), (650, 20824), (657, 20860), (660, 20869), (667, 20902), (673, 20917),

Gene: MScarn_20 Start: 15365, Stop: 17062, Start Num: 77

Candidate Starts for MScarn_20:

(61, 15335), (Start: 73 @15362 has 9 MA's), (Start: 77 @15365 has 39 MA's), (178, 15575), (238, 15743), (243, 15749), (261, 15809), (280, 15857), (283, 15866), (291, 15893), (300, 15923), (307, 15938), (345, 15971), (349, 15983), (361, 16019), (381, 16076), (385, 16088), (427, 16208), (437, 16229), (443, 16253), (485, 16403), (490, 16418), (497, 16436), (511, 16493), (559, 16622), (561, 16634), (566, 16652), (569, 16661), (585, 16733), (586, 16736), (588, 16742), (592, 16754), (620, 16859), (623, 16868), (633, 16901),

Gene: MacGully_50 Start: 31627, Stop: 33198, Start Num: 99

Candidate Starts for MacGully_50:

(Start: 99 @31627 has 65 MA's), (104, 31636), (135, 31690), (138, 31702), (153, 31717), (220, 31900), (231, 31933), (249, 31969), (254, 31987), (267, 32026), (278, 32050), (283, 32065), (316, 32149), (335, 32182), (342, 32197), (374, 32254), (378, 32263), (391, 32305), (393, 32311), (396, 32326), (407, 32356), (438, 32431), (451, 32476), (492, 32584), (517, 32689), (519, 32695), (535, 32728), (610, 32971), (635, 33043), (639, 33058), (661, 33142), (664, 33160), (671, 33184),

Gene: MadKillah_57 Start: 33254, Stop: 34990, Start Num: 67

Candidate Starts for MadKillah_57:

(Start: 63 @33245 has 2 MA's), (Start: 67 @33254 has 29 MA's), (122, 33344), (170, 33461), (184, 33497), (191, 33518), (199, 33545), (201, 33551), (210, 33581), (217, 33605), (236, 33656), (287, 33794), (289, 33800), (304, 33851), (305, 33854), (311, 33872), (346, 33923), (353, 33944), (354, 33947), (373, 33995), (374, 34001), (390, 34049), (392, 34055), (394, 34061), (415, 34121), (423,

34145), (424, 34148), (443, 34193), (446, 34208), (448, 34217), (451, 34226), (464, 34271), (471, 34289), (481, 34322), (533, 34460), (538, 34481), (557, 34547), (563, 34577), (576, 34631), (585, 34673), (592, 34694), (596, 34715), (600, 34727), (606, 34748), (621, 34802), (650, 34880), (657, 34916), (662, 34937), (668, 34964),

Gene: MadamMonkfish_24 Start: 19164, Stop: 20843, Start Num: 87

Candidate Starts for MadamMonkfish_24:

(Start: 87 @19164 has 85 MA's), (Start: 132 @19248 has 48 MA's), (Start: 167 @19326 has 1 MA's), (195, 19413), (201, 19428), (215, 19476), (229, 19515), (261, 19602), (274, 19635), (287, 19671), (295, 19701), (297, 19707), (321, 19776), (348, 19806), (351, 19818), (353, 19821), (374, 19878), (424, 20010), (426, 20016), (449, 20082), (451, 20088), (456, 20112), (471, 20160), (479, 20184), (481, 20193), (502, 20268), (532, 20319), (536, 20334), (578, 20496), (583, 20523), (592, 20553), (620, 20658), (650, 20736), (657, 20772), (660, 20781), (667, 20814), (673, 20829),

Gene: Madavieve_19 Start: 18044, Stop: 19642, Start Num: 99

Candidate Starts for Madavieve_19:

(Start: 99 @18044 has 65 MA's), (214, 18302), (220, 18320), (221, 18323), (246, 18377), (269, 18452), (291, 18521), (294, 18530), (297, 18542), (314, 18593), (328, 18620), (333, 18629), (334, 18632), (381, 18665), (397, 18722), (423, 18788), (461, 18899), (484, 18959), (512, 19061), (534, 19118), (562, 19208), (624, 19448), (645, 19526),

Gene: Madeline_19 Start: 18062, Stop: 19660, Start Num: 99

Candidate Starts for Madeline_19:

(Start: 99 @18062 has 65 MA's), (208, 18311), (214, 18320), (220, 18338), (221, 18341), (246, 18395), (269, 18470), (291, 18539), (294, 18548), (297, 18560), (301, 18572), (314, 18611), (328, 18638), (333, 18647), (334, 18650), (380, 18680), (381, 18683), (397, 18740), (423, 18806), (450, 18884), (461, 18917), (473, 18941), (484, 18977), (512, 19079), (534, 19136), (551, 19181), (554, 19187), (562, 19226), (624, 19466), (645, 19544),

Gene: Madiba_17 Start: 14680, Stop: 16389, Start Num: 83

Candidate Starts for Madiba_17:

(Start: 83 @14680 has 222 MA's), (134, 14767), (Start: 158 @14812 has 2 MA's), (165, 14836), (199, 14941), (201, 14947), (206, 14965), (215, 14995), (254, 15100), (276, 15160), (284, 15181), (287, 15190), (294, 15214), (319, 15289), (322, 15301), (328, 15316), (331, 15322), (346, 15340), (350, 15355), (353, 15361), (360, 15382), (367, 15397), (368, 15400), (373, 15412), (374, 15418), (378, 15427), (390, 15466), (394, 15478), (395, 15484), (423, 15544), (427, 15556), (443, 15592), (445, 15604), (469, 15679), (471, 15688), (479, 15712), (487, 15742), (529, 15847), (533, 15859), (543, 15895), (553, 15931), (554, 15934), (562, 15973), (592, 16093), (600, 16126), (609, 16156), (616, 16186), (619, 16195), (621, 16201), (631, 16216), (632, 16219), (637, 16240), (638, 16243), (652, 16285), (657, 16315), (667, 16357),

Gene: Magsby_18 Start: 14986, Stop: 16695, Start Num: 86

Candidate Starts for Magsby_18:

(Start: 86 @14986 has 47 MA's), (104, 15013), (Start: 158 @15118 has 2 MA's), (161, 15130), (171, 15166), (190, 15217), (199, 15247), (201, 15253), (209, 15280), (211, 15286), (254, 15406), (273, 15460), (276, 15466), (283, 15484), (287, 15496), (288, 15499), (294, 15520), (307, 15562), (319, 15595), (346, 15646), (350, 15661), (367, 15703), (373, 15718), (374, 15724), (390, 15772), (396, 15796), (406, 15826), (423, 15850), (445, 15910), (448, 15922), (464, 15976), (469, 15985), (486, 16045), (487, 16048), (529, 16153), (532, 16162), (543, 16201), (577, 16339), (615, 16489), (616, 16492), (619, 16501), (631, 16522), (638, 16549), (650, 16585), (673, 16678),

Gene: Mahavrat_16 Start: 14801, Stop: 16510, Start Num: 83

Candidate Starts for Mahavrat_16:

(Start: 83 @14801 has 222 MA's), (134, 14888), (Start: 158 @14933 has 2 MA's), (165, 14957), (199, 15062), (201, 15068), (206, 15086), (215, 15116), (254, 15221), (273, 15275), (276, 15281), (284, 15302), (287, 15311), (294, 15335), (307, 15377), (319, 15410), (322, 15422), (328, 15437), (331, 15443), (346, 15461), (350, 15476), (353, 15482), (360, 15503), (367, 15518), (373, 15533), (374, 15539), (390, 15587), (394, 15599), (395, 15605), (423, 15665), (443, 15713), (445, 15725), (451, 15746), (469, 15800), (471, 15809), (479, 15833), (487, 15863), (529, 15968), (533, 15980), (543, 16016), (562, 16094), (609, 16277), (616, 16307), (619, 16316), (621, 16322), (631, 16337), (632, 16340), (637, 16361), (652, 16406), (667, 16478), (668, 16484),

Gene: Mahdia_18 Start: 14818, Stop: 16428, Start Num: 85

Candidate Starts for Mahdia_18:

(Start: 85 @14818 has 14 MA's), (Start: 92 @14827 has 11 MA's), (111, 14860), (136, 14911), (137, 14914), (205, 15091), (227, 15142), (272, 15265), (325, 15382), (354, 15421), (371, 15463), (394, 15535), (403, 15568), (409, 15580), (423, 15607), (427, 15619), (443, 15655), (444, 15658), (448, 15679), (460, 15724), (484, 15793), (485, 15796), (499, 15838), (502, 15856), (507, 15868), (551, 15982), (557, 15997), (558, 16006), (566, 16039), (570, 16054), (631, 16258), (635, 16273), (650, 16324), (661, 16372),

Gene: Majeke_19 Start: 16391, Stop: 18127, Start Num: 80

Candidate Starts for Majeke_19:

(Start: 80 @16391 has 48 MA's), (125, 16472), (127, 16475), (152, 16526), (173, 16589), (176, 16595), (190, 16634), (200, 16667), (207, 16691), (250, 16811), (253, 16826), (261, 16850), (263, 16856), (292, 16940), (305, 16982), (319, 17021), (321, 17027), (337, 17066), (346, 17072), (354, 17096), (374, 17150), (382, 17171), (398, 17231), (430, 17309), (445, 17348), (453, 17381), (471, 17447), (479, 17471), (485, 17495), (495, 17525), (499, 17537), (540, 17639), (546, 17651), (547, 17654), (548, 17660), (549, 17669), (576, 17777), (596, 17861), (625, 17960), (648, 18017), (660, 18068), (673, 18116),

Gene: Malachai_20 Start: 17128, Stop: 18774, Start Num: 93

Candidate Starts for Malachai_20:

(71, 17092), (Start: 93 @17128 has 51 MA's), (144, 17230), (173, 17308), (219, 17407), (233, 17446), (262, 17527), (283, 17581), (288, 17596), (374, 17767), (385, 17797), (451, 17980), (456, 18004), (475, 18055), (502, 18148), (507, 18160), (516, 18205), (520, 18220), (559, 18352), (560, 18355), (583, 18454), (588, 18472), (601, 18523), (624, 18589), (643, 18652), (648, 18664),

Gene: Malibo_20 Start: 16515, Stop: 18137, Start Num: 86

Candidate Starts for Malibo_20:

(78, 16500), (Start: 86 @16515 has 47 MA's), (113, 16560), (137, 16611), (186, 16734), (187, 16737), (234, 16857), (254, 16911), (258, 16923), (268, 16953), (272, 16962), (281, 16983), (291, 17016), (300, 17043), (353, 17112), (359, 17130), (371, 17157), (376, 17175), (378, 17178), (382, 17190), (394, 17229), (396, 17241), (421, 17292), (423, 17298), (450, 17376), (499, 17529), (507, 17559), (508, 17562), (513, 17589), (529, 17625), (550, 17667), (566, 17730), (570, 17745), (578, 17775), (585, 17811), (588, 17820), (617, 17919), (635, 17967), (660, 18063), (666, 18093), (673, 18111),

Gene: Maliithi_19 Start: 16310, Stop: 18046, Start Num: 80

Candidate Starts for Maliithi_19:

(Start: 65 @16286 has 2 MA's), (Start: 80 @16310 has 48 MA's), (115, 16370), (125, 16391), (127, 16394), (176, 16514), (190, 16553), (200, 16586), (207, 16610), (250, 16730), (261, 16769), (263, 16775), (292, 16859), (294, 16865), (297, 16877), (305, 16901), (315, 16928), (321, 16946), (337, 16985), (346, 16991), (354, 17015), (374, 17069), (379, 17081), (382, 17090), (398, 17150), (430, 17228), (445, 17267), (453, 17300), (471, 17366), (477, 17381), (479, 17390), (485, 17414), (495, 17444), (499, 17456), (540, 17558), (546, 17570), (547, 17573), (548, 17579), (549, 17588), (576, 17696), (596, 17780), (625, 17879), (660, 17987), (673, 18035),

Gene: Malvina_20 Start: 16595, Stop: 18286, Start Num: 77

Candidate Starts for Malvina_20:

(61, 16562), (Start: 77 @16595 has 39 MA's), (Start: 84 @16607 has 30 MA's), (138, 16709), (154, 16739), (225, 16943), (243, 16979), (255, 17021), (271, 17066), (307, 17168), (345, 17201), (349, 17213), (350, 17216), (370, 17273), (381, 17306), (386, 17321), (394, 17348), (404, 17387), (424, 17429), (427, 17438), (443, 17483), (448, 17507), (458, 17546), (490, 17642), (493, 17651), (497, 17660), (511, 17717), (514, 17735), (550, 17810), (561, 17858), (565, 17873), (569, 17885), (585, 17957), (586, 17960), (587, 17963), (588, 17966), (612, 18056), (620, 18083), (633, 18125), (635, 18134), (637, 18143),

Gene: Manasvini_19 Start: 17773, Stop: 19371, Start Num: 99

Candidate Starts for Manasvini_19:

(Start: 99 @17773 has 65 MA's), (208, 18022), (214, 18031), (220, 18049), (221, 18052), (246, 18106), (269, 18181), (291, 18250), (294, 18259), (297, 18271), (314, 18322), (328, 18349), (333, 18358), (334, 18361), (380, 18391), (381, 18394), (397, 18451), (423, 18517), (450, 18595), (461, 18628), (473, 18652), (484, 18688), (512, 18790), (534, 18847), (551, 18892), (554, 18898), (562, 18937), (624, 19177), (645, 19255),

Gene: Manda_25 Start: 20231, Stop: 21910, Start Num: 87

Candidate Starts for Manda_25:

(Start: 87 @20231 has 85 MA's), (Start: 132 @20315 has 48 MA's), (Start: 167 @20393 has 1 MA's), (195, 20480), (201, 20495), (215, 20543), (229, 20582), (261, 20669), (274, 20702), (287, 20738), (295, 20768), (297, 20774), (321, 20843), (348, 20873), (351, 20885), (353, 20888), (374, 20945), (424, 21077), (426, 21083), (449, 21149), (451, 21155), (456, 21179), (471, 21227), (479, 21251), (481, 21260), (502, 21335), (532, 21386), (536, 21401), (578, 21563), (583, 21590), (592, 21620), (620, 21725), (650, 21803), (657, 21839), (660, 21848), (667, 21881), (673, 21896),

Gene: Mandlovu_16 Start: 14904, Stop: 16613, Start Num: 83

Candidate Starts for Mandlovu_16:

(Start: 83 @14904 has 222 MA's), (134, 14991), (Start: 158 @15036 has 2 MA's), (165, 15060), (199, 15165), (201, 15171), (206, 15189), (215, 15219), (254, 15324), (276, 15384), (284, 15405), (287, 15414), (294, 15438), (346, 15564), (350, 15579), (353, 15585), (367, 15621), (368, 15624), (373, 15636), (374, 15642), (390, 15690), (394, 15702), (395, 15708), (423, 15768), (427, 15780), (443, 15816), (445, 15828), (469, 15903), (471, 15912), (478, 15930), (479, 15936), (487, 15966), (529, 16071), (532, 16080), (533, 16083), (543, 16119), (562, 16197), (585, 16296), (592, 16317), (600, 16350), (609, 16380), (616, 16410), (619, 16419), (621, 16425), (631, 16440), (632, 16443), (638, 16467), (648, 16497), (652, 16509), (657, 16539), (667, 16581),

Gene: Mangethe_19 Start: 16391, Stop: 18127, Start Num: 80

Candidate Starts for Mangethe_19:

(Start: 80 @16391 has 48 MA's), (125, 16472), (127, 16475), (152, 16526), (173, 16589), (176, 16595), (190, 16634), (200, 16667), (207, 16691), (250, 16811), (253, 16826), (261, 16850), (263, 16856), (292, 16940), (305, 16982), (319, 17021), (321, 17027), (337, 17066), (346, 17072), (354, 17096), (374, 17150), (382, 17171), (398, 17231), (430, 17309), (445, 17348), (453, 17381), (471, 17447), (479, 17471), (485, 17495), (495, 17525), (499, 17537), (540, 17639), (546, 17651), (547, 17654), (548, 17660), (549, 17669), (576, 17777), (596, 17861), (625, 17960), (648, 18017), (660, 18068), (673, 18116),

Gene: Manilisa_23 Start: 19041, Stop: 20699, Start Num: 81

Candidate Starts for Manilisa_23:

(29, 18852), (37, 18912), (62, 19005), (Start: 81 @19041 has 2 MA's), (Start: 88 @19053 has 5 MA's), (144, 19167), (148, 19173), (Start: 167 @19221 has 1 MA's), (175, 19251), (197, 19317), (199, 19323),

(243, 19434), (248, 19443), (253, 19470), (255, 19476), (256, 19479), (263, 19500), (350, 19671), (351, 19674), (376, 19740), (382, 19755), (409, 19839), (418, 19848), (433, 19890), (443, 19911), (454, 19959), (457, 19971), (467, 19998), (489, 20067), (506, 20136), (513, 20169), (536, 20226), (559, 20277), (576, 20346), (588, 20397), (597, 20433), (601, 20448), (621, 20505), (624, 20514), (649, 20592), (651, 20598),

Gene: Mantra_16 Start: 14903, Stop: 16612, Start Num: 83

Candidate Starts for Mantra_16:

(Start: 83 @14903 has 222 MA's), (134, 14990), (Start: 158 @15035 has 2 MA's), (165, 15059), (184, 15116), (199, 15164), (201, 15170), (206, 15188), (215, 15218), (254, 15323), (273, 15377), (276, 15383), (279, 15392), (287, 15413), (294, 15437), (305, 15473), (307, 15479), (319, 15512), (320, 15515), (322, 15524), (328, 15539), (331, 15545), (346, 15563), (350, 15578), (353, 15584), (359, 15602), (360, 15605), (367, 15620), (373, 15635), (374, 15641), (390, 15689), (394, 15701), (395, 15707), (423, 15767), (427, 15779), (443, 15815), (445, 15827), (469, 15902), (471, 15911), (478, 15929), (479, 15935), (487, 15965), (529, 16070), (533, 16082), (543, 16118), (562, 16196), (592, 16316), (600, 16349), (609, 16379), (611, 16391), (616, 16409), (618, 16415), (619, 16418), (621, 16424), (631, 16439), (632, 16442), (637, 16463), (638, 16466), (652, 16508), (657, 16538), (667, 16580), (668, 16586),

Gene: Maravista_16 Start: 14752, Stop: 16461, Start Num: 83

Candidate Starts for Maravista_16:

(Start: 83 @14752 has 222 MA's), (134, 14839), (Start: 158 @14884 has 2 MA's), (165, 14908), (199, 15013), (201, 15019), (206, 15037), (215, 15067), (254, 15172), (276, 15232), (284, 15253), (287, 15262), (292, 15280), (294, 15286), (346, 15412), (350, 15427), (353, 15433), (367, 15469), (368, 15472), (373, 15484), (374, 15490), (390, 15538), (394, 15550), (395, 15556), (423, 15616), (427, 15628), (443, 15664), (445, 15676), (469, 15751), (471, 15760), (478, 15778), (479, 15784), (487, 15814), (529, 15919), (532, 15928), (533, 15931), (543, 15967), (562, 16045), (585, 16144), (592, 16165), (600, 16198), (609, 16228), (616, 16258), (619, 16267), (621, 16273), (631, 16288), (632, 16291), (638, 16315), (648, 16345), (652, 16357), (657, 16387), (667, 16429),

Gene: Mareelih_99 Start: 59450, Stop: 61078, Start Num: 82

Candidate Starts for Mareelih_99:

(Start: 82 @59450 has 4 MA's), (Start: 93 @59465 has 51 MA's), (Start: 99 @59468 has 65 MA's), (113, 59495), (138, 59552), (157, 59588), (Start: 167 @59621 has 1 MA's), (181, 59651), (182, 59654), (205, 59723), (212, 59729), (271, 59894), (287, 59936), (290, 59945), (292, 59954), (295, 59966), (366, 60086), (423, 60239), (445, 60299), (490, 60446), (495, 60467), (499, 60482), (517, 60560), (519, 60566), (566, 60683), (570, 60698), (583, 60755), (592, 60785), (600, 60818), (639, 60938), (673, 61067),

Gene: Maridalia_18 Start: 17773, Stop: 19371, Start Num: 99

Candidate Starts for Maridalia_18:

(Start: 99 @17773 has 65 MA's), (208, 18022), (214, 18031), (220, 18049), (221, 18052), (246, 18106), (269, 18181), (291, 18250), (294, 18259), (297, 18271), (314, 18322), (328, 18349), (333, 18358), (334, 18361), (380, 18391), (381, 18394), (397, 18451), (423, 18517), (450, 18595), (461, 18628), (473, 18652), (484, 18688), (512, 18790), (534, 18847), (551, 18892), (554, 18898), (562, 18937), (624, 19177), (645, 19255),

Gene: Marietta_43 Start: 27926, Stop: 29506, Start Num: 117

Candidate Starts for Marietta_43:

(Start: 91 @27890 has 39 MA's), (Start: 99 @27902 has 65 MA's), (Start: 117 @27926 has 1 MA's), (153, 28004), (220, 28187), (246, 28244), (249, 28256), (253, 28271), (278, 28337), (283, 28352), (292, 28376), (327, 28463), (329, 28469), (340, 28493), (374, 28553), (385, 28583), (391, 28604), (428, 28709), (438, 28730), (463, 28817), (483, 28865), (517, 28991), (534, 29027), (585, 29192),

(591, 29210), (600, 29246), (655, 29420), (657, 29432), (673, 29489),

Gene: Marker_17 Start: 14655, Stop: 16364, Start Num: 83

Candidate Starts for Marker_17:

(Start: 83 @14655 has 222 MA's), (134, 14742), (Start: 158 @14787 has 2 MA's), (165, 14811), (199, 14916), (201, 14922), (206, 14940), (215, 14970), (254, 15075), (276, 15135), (284, 15156), (287, 15165), (294, 15189), (319, 15264), (346, 15315), (350, 15330), (353, 15336), (367, 15372), (368, 15375), (373, 15387), (374, 15393), (390, 15441), (394, 15453), (395, 15459), (423, 15519), (427, 15531), (443, 15567), (445, 15579), (469, 15654), (471, 15663), (478, 15681), (479, 15687), (487, 15717), (529, 15822), (533, 15834), (543, 15870), (562, 15948), (585, 16047), (592, 16068), (600, 16101), (609, 16131), (616, 16161), (619, 16170), (621, 16176), (631, 16191), (632, 16194), (638, 16218), (652, 16260), (667, 16332),

Gene: Marleymoo_41 Start: 30187, Stop: 31920, Start Num: 84

Candidate Starts for Marleymoo_41:

(Start: 84 @30187 has 30 MA's), (Start: 132 @30277 has 48 MA's), (155, 30325), (207, 30484), (216, 30514), (252, 30613), (263, 30649), (265, 30655), (274, 30676), (297, 30748), (300, 30757), (307, 30778), (331, 30847), (353, 30886), (354, 30889), (359, 30904), (374, 30943), (390, 30991), (394, 31003), (395, 31009), (416, 31066), (424, 31087), (430, 31105), (447, 31153), (478, 31255), (499, 31327), (536, 31411), (539, 31423), (540, 31429), (546, 31441), (547, 31444), (556, 31483), (560, 31501), (569, 31537), (570, 31543), (592, 31630), (615, 31720), (635, 31762), (640, 31780), (649, 31810), (658, 31852), (673, 31906),

Gene: Marshmallow_24 Start: 19829, Stop: 21424, Start Num: 132

Candidate Starts for Marshmallow_24:

(Start: 87 @19745 has 85 MA's), (Start: 132 @19829 has 48 MA's), (Start: 167 @19907 has 1 MA's), (195, 19994), (201, 20009), (215, 20057), (229, 20096), (261, 20183), (274, 20216), (287, 20252), (295, 20282), (297, 20288), (321, 20357), (348, 20387), (351, 20399), (353, 20402), (374, 20459), (424, 20591), (426, 20597), (449, 20663), (451, 20669), (456, 20693), (471, 20741), (479, 20765), (481, 20774), (502, 20849), (532, 20900), (536, 20915), (578, 21077), (583, 21104), (592, 21134), (620, 21239), (650, 21317), (657, 21353), (660, 21362), (667, 21395), (673, 21410),

Gene: Marteena_20 Start: 17566, Stop: 19272, Start Num: 51

Candidate Starts for Marteena_20:

(Start: 44 @17542 has 1 MA's), (Start: 51 @17566 has 25 MA's), (103, 17671), (124, 17713), (169, 17788), (220, 17902), (271, 18049), (274, 18055), (290, 18100), (363, 18238), (391, 18313), (484, 18595), (491, 18616), (511, 18691), (541, 18778), (555, 18814), (561, 18847), (563, 18853), (579, 18919), (586, 18949), (631, 19105), (633, 19111), (637, 19129), (665, 19240),

Gene: Martik_16 Start: 14813, Stop: 16522, Start Num: 83

Candidate Starts for Martik_16:

(Start: 83 @14813 has 222 MA's), (134, 14900), (Start: 158 @14945 has 2 MA's), (165, 14969), (199, 15074), (201, 15080), (206, 15098), (215, 15128), (254, 15233), (273, 15287), (276, 15293), (279, 15302), (287, 15323), (294, 15347), (305, 15383), (307, 15389), (319, 15422), (320, 15425), (322, 15434), (328, 15449), (331, 15455), (346, 15473), (350, 15488), (353, 15494), (359, 15512), (360, 15515), (367, 15530), (373, 15545), (374, 15551), (390, 15599), (394, 15611), (395, 15617), (423, 15677), (427, 15689), (443, 15725), (445, 15737), (469, 15812), (471, 15821), (478, 15839), (479, 15845), (487, 15875), (529, 15980), (533, 15992), (543, 16028), (562, 16106), (592, 16226), (600, 16259), (609, 16289), (611, 16301), (616, 16319), (618, 16325), (619, 16328), (621, 16334), (631, 16349), (632, 16352), (637, 16373), (638, 16376), (652, 16418), (657, 16448), (667, 16490), (668, 16496),

Gene: Maselop_45 Start: 31376, Stop: 32950, Start Num: 99

Candidate Starts for Maselop_45:

(Start: 99 @31376 has 65 MA's), (104, 31385), (135, 31439), (151, 31463), (153, 31466), (254, 31736), (278, 31799), (283, 31814), (335, 31931), (342, 31946), (374, 32003), (378, 32012), (391, 32054), (396, 32075), (407, 32105), (429, 32162), (453, 32237), (492, 32333), (517, 32438), (518, 32441), (533, 32468), (563, 32546), (573, 32585), (620, 32741), (639, 32807),

Gene: Matteo_17 Start: 14694, Stop: 16403, Start Num: 100

Candidate Starts for Matteo_17:

(34, 14523), (41, 14559), (Start: 100 @14694 has 33 MA's), (157, 14811), (181, 14883), (182, 14886), (192, 14922), (205, 14961), (253, 15084), (260, 15105), (283, 15174), (284, 15177), (333, 15309), (352, 15363), (380, 15444), (397, 15504), (398, 15510), (463, 15669), (473, 15687), (479, 15702), (485, 15726), (508, 15798), (509, 15801), (512, 15822), (583, 16056), (587, 16071), (598, 16113), (623, 16206), (624, 16209), (637, 16257), (645, 16287), (650, 16299),

Gene: Mattes_16 Start: 14804, Stop: 16513, Start Num: 83

Candidate Starts for Mattes_16:

(Start: 83 @14804 has 222 MA's), (134, 14891), (Start: 158 @14936 has 2 MA's), (165, 14960), (184, 15017), (199, 15065), (201, 15071), (206, 15089), (215, 15119), (254, 15224), (273, 15278), (276, 15284), (279, 15293), (287, 15314), (294, 15338), (305, 15374), (307, 15380), (319, 15413), (320, 15416), (322, 15425), (328, 15440), (331, 15446), (346, 15464), (350, 15479), (353, 15485), (359, 15503), (360, 15506), (367, 15521), (373, 15536), (374, 15542), (390, 15590), (394, 15602), (395, 15608), (423, 15668), (427, 15680), (443, 15716), (445, 15728), (469, 15803), (471, 15812), (478, 15830), (479, 15836), (487, 15866), (529, 15971), (533, 15983), (543, 16019), (562, 16097), (592, 16217), (600, 16250), (609, 16280), (611, 16292), (616, 16310), (618, 16316), (619, 16319), (621, 16325), (631, 16340), (632, 16343), (637, 16364), (638, 16367), (652, 16409), (657, 16439), (667, 16481), (668, 16487),

Gene: Maxxinista_25 Start: 19297, Stop: 20892, Start Num: 132

Candidate Starts for Maxxinista_25:

(Start: 87 @19213 has 85 MA's), (Start: 132 @19297 has 48 MA's), (Start: 167 @19375 has 1 MA's), (195, 19462), (201, 19477), (215, 19525), (229, 19564), (261, 19651), (274, 19684), (287, 19720), (295, 19750), (297, 19756), (321, 19825), (348, 19855), (351, 19867), (353, 19870), (374, 19927), (424, 20059), (426, 20065), (449, 20131), (451, 20137), (456, 20161), (471, 20209), (479, 20233), (481, 20242), (502, 20317), (532, 20368), (536, 20383), (578, 20545), (583, 20572), (592, 20602), (620, 20707), (650, 20785), (657, 20821), (660, 20830), (667, 20863), (673, 20878),

Gene: Mayweather_19 Start: 16040, Stop: 17734, Start Num: 77

Candidate Starts for Mayweather_19:

(Start: 73 @16037 has 9 MA's), (Start: 77 @16040 has 39 MA's), (135, 16139), (154, 16181), (164, 16202), (203, 16319), (243, 16421), (271, 16508), (283, 16538), (291, 16565), (307, 16610), (332, 16628), (345, 16643), (350, 16658), (370, 16715), (381, 16748), (385, 16760), (394, 16790), (412, 16847), (422, 16865), (432, 16895), (443, 16925), (446, 16940), (458, 16988), (475, 17039), (485, 17075), (490, 17090), (497, 17108), (511, 17165), (559, 17294), (561, 17306), (585, 17405), (586, 17408), (592, 17426), (608, 17486), (612, 17504), (620, 17531), (633, 17573), (669, 17720), (673, 17726),

Gene: Mbo4_17 Start: 15757, Stop: 17310, Start Num: 99

Candidate Starts for Mbo4_17:

(41, 15625), (Start: 99 @15757 has 65 MA's), (221, 16027), (236, 16066), (275, 16177), (334, 16333), (400, 16435), (423, 16471), (438, 16507), (463, 16594), (473, 16612), (482, 16639), (498, 16690), (577, 16933), (645, 17194), (651, 17209), (662, 17263),

Gene: McDazzle_17 Start: 15887, Stop: 17581, Start Num: 77

Candidate Starts for McDazzle_17:

(Start: 73 @15884 has 9 MA's), (Start: 77 @15887 has 39 MA's), (135, 15986), (154, 16028), (164, 16049), (243, 16268), (283, 16385), (291, 16412), (307, 16457), (312, 16463), (332, 16475), (345, 16490), (350, 16505), (370, 16562), (381, 16595), (385, 16607), (412, 16694), (422, 16712), (432, 16742), (443, 16772), (446, 16787), (458, 16835), (475, 16886), (485, 16922), (490, 16937), (497, 16955), (511, 17012), (559, 17141), (561, 17153), (574, 17201), (585, 17252), (586, 17255), (592, 17273), (612, 17351), (620, 17378), (633, 17420), (669, 17567), (673, 17573),

Gene: Mcklovin_20 Start: 20071, Stop: 21651, Start Num: 99

Candidate Starts for Mcklovin_20:

(46, 19954), (Start: 99 @20071 has 65 MA's), (214, 20329), (221, 20350), (246, 20404), (257, 20443), (275, 20500), (283, 20521), (381, 20692), (387, 20710), (394, 20734), (398, 20755), (423, 20797), (451, 20878), (484, 20968), (512, 21070), (513, 21073), (534, 21127), (562, 21217), (635, 21496), (637, 21505), (645, 21535),

Gene: Medindi_16 Start: 14802, Stop: 16511, Start Num: 83

Candidate Starts for Medindi_16:

(Start: 83 @14802 has 222 MA's), (134, 14889), (Start: 158 @14934 has 2 MA's), (165, 14958), (199, 15063), (201, 15069), (206, 15087), (215, 15117), (254, 15222), (276, 15282), (284, 15303), (287, 15312), (294, 15336), (319, 15411), (320, 15414), (346, 15462), (350, 15477), (353, 15483), (367, 15519), (368, 15522), (373, 15534), (374, 15540), (390, 15588), (394, 15600), (395, 15606), (423, 15666), (427, 15678), (443, 15714), (445, 15726), (469, 15801), (471, 15810), (478, 15828), (479, 15834), (487, 15864), (529, 15969), (532, 15978), (533, 15981), (543, 16017), (562, 16095), (585, 16194), (592, 16215), (600, 16248), (609, 16278), (616, 16308), (619, 16317), (621, 16323), (631, 16338), (632, 16341), (638, 16365), (648, 16395), (652, 16407), (657, 16437), (667, 16479),

Gene: Megiddo_19 Start: 16273, Stop: 18009, Start Num: 80

Candidate Starts for Megiddo_19:

(Start: 65 @16249 has 2 MA's), (Start: 80 @16273 has 48 MA's), (115, 16333), (125, 16354), (127, 16357), (176, 16477), (190, 16516), (200, 16549), (207, 16573), (250, 16693), (261, 16732), (263, 16738), (292, 16822), (294, 16828), (297, 16840), (305, 16864), (315, 16891), (321, 16909), (337, 16948), (346, 16954), (354, 16978), (374, 17032), (379, 17044), (382, 17053), (398, 17113), (430, 17191), (445, 17230), (453, 17263), (471, 17329), (479, 17353), (485, 17377), (495, 17407), (540, 17521), (546, 17533), (548, 17542), (549, 17551), (576, 17659), (596, 17743), (625, 17842), (660, 17950), (673, 17998),

Gene: MelBins_34 Start: 29286, Stop: 30911, Start Num: 90

Candidate Starts for MelBins_34:

(Start: 90 @29286 has 22 MA's), (Start: 99 @29298 has 65 MA's), (118, 29331), (121, 29340), (128, 29352), (138, 29382), (156, 29415), (186, 29499), (190, 29511), (220, 29586), (247, 29646), (254, 29676), (354, 29883), (366, 29913), (382, 29958), (386, 29970), (398, 30018), (423, 30066), (448, 30138), (456, 30171), (457, 30174), (473, 30213), (484, 30252), (507, 30339), (508, 30342), (534, 30420), (559, 30480), (570, 30525), (588, 30606), (602, 30660), (631, 30741), (635, 30756), (667, 30885), (673, 30900),

Gene: Melba_19 Start: 16650, Stop: 18296, Start Num: 93

Candidate Starts for Melba_19:

(71, 16614), (Start: 93 @16650 has 51 MA's), (144, 16752), (173, 16830), (Start: 179 @16833 has 11 MA's), (219, 16929), (233, 16968), (262, 17049), (283, 17103), (288, 17118), (374, 17289), (385, 17319), (451, 17502), (456, 17526), (457, 17529), (475, 17577), (502, 17670), (507, 17682), (516, 17727), (520, 17742), (559, 17874), (560, 17877), (583, 17976), (588, 17994), (601, 18045), (624, 18111), (643, 18174), (648, 18186),

Gene: Melissau88_16 Start: 14837, Stop: 16546, Start Num: 83

Candidate Starts for Melissau88_16:

(Start: 83 @14837 has 222 MA's), (134, 14924), (Start: 158 @14969 has 2 MA's), (165, 14993), (199, 15098), (201, 15104), (206, 15122), (215, 15152), (254, 15257), (276, 15317), (284, 15338), (287, 15347), (292, 15365), (294, 15371), (346, 15497), (350, 15512), (353, 15518), (367, 15554), (368, 15557), (373, 15569), (374, 15575), (390, 15623), (394, 15635), (395, 15641), (423, 15701), (427, 15713), (443, 15749), (445, 15761), (469, 15836), (471, 15845), (478, 15863), (479, 15869), (487, 15899), (529, 16004), (532, 16013), (533, 16016), (543, 16052), (562, 16130), (585, 16229), (592, 16250), (600, 16283), (609, 16313), (616, 16343), (619, 16352), (621, 16358), (631, 16373), (632, 16376), (638, 16400), (648, 16430), (652, 16442), (657, 16472), (667, 16514),

Gene: Mellie_18 Start: 16411, Stop: 18057, Start Num: 93

Candidate Starts for Mellie_18:

(71, 16375), (Start: 93 @16411 has 51 MA's), (144, 16513), (173, 16591), (Start: 179 @16594 has 11 MA's), (219, 16690), (233, 16729), (255, 16789), (262, 16810), (283, 16864), (288, 16879), (347, 16975), (374, 17050), (385, 17080), (451, 17263), (456, 17287), (475, 17338), (502, 17431), (507, 17443), (516, 17488), (520, 17503), (559, 17635), (560, 17638), (583, 17737), (588, 17755), (601, 17806), (622, 17866), (624, 17872), (643, 17935), (648, 17947),

Gene: Melville_18 Start: 14989, Stop: 16698, Start Num: 86

Candidate Starts for Melville_18:

(Start: 86 @14989 has 47 MA's), (104, 15016), (Start: 158 @15121 has 2 MA's), (161, 15133), (171, 15169), (190, 15220), (199, 15250), (201, 15256), (209, 15283), (211, 15289), (254, 15409), (273, 15463), (276, 15469), (283, 15487), (287, 15499), (288, 15502), (294, 15523), (307, 15565), (319, 15598), (346, 15649), (350, 15664), (367, 15706), (373, 15721), (374, 15727), (390, 15775), (396, 15799), (406, 15829), (423, 15853), (445, 15913), (448, 15925), (464, 15979), (469, 15988), (486, 16048), (487, 16051), (529, 16156), (532, 16165), (543, 16204), (577, 16342), (615, 16492), (616, 16495), (619, 16504), (631, 16525), (638, 16552), (650, 16588), (673, 16681),

Gene: MerCougar_42 Start: 30743, Stop: 32359, Start Num: 91

Candidate Starts for MerCougar_42:

(Start: 91 @30743 has 39 MA's), (153, 30857), (184, 30941), (253, 31124), (278, 31190), (283, 31205), (292, 31229), (293, 31232), (327, 31316), (340, 31346), (372, 31397), (374, 31406), (381, 31424), (390, 31454), (396, 31478), (428, 31562), (438, 31583), (452, 31631), (463, 31670), (483, 31718), (517, 31844), (534, 31880), (573, 31991), (588, 32054), (592, 32066), (648, 32243), (657, 32285), (673, 32342),

Gene: Meyran_21 Start: 18916, Stop: 20562, Start Num: 88

Candidate Starts for Meyran_21:

(29, 18715), (37, 18775), (62, 18868), (Start: 81 @18904 has 2 MA's), (Start: 88 @18916 has 5 MA's), (144, 19030), (148, 19036), (Start: 167 @19084 has 1 MA's), (197, 19180), (199, 19186), (243, 19297), (248, 19306), (253, 19333), (255, 19339), (256, 19342), (263, 19363), (350, 19534), (351, 19537), (376, 19603), (382, 19618), (409, 19702), (418, 19711), (433, 19753), (443, 19774), (454, 19822), (457, 19834), (467, 19861), (489, 19930), (506, 19999), (513, 20032), (536, 20089), (559, 20140), (576, 20209), (588, 20260), (597, 20296), (601, 20311), (621, 20368), (624, 20377), (637, 20416), (649, 20455), (651, 20461),

Gene: MiaZeal_34 Start: 24890, Stop: 26623, Start Num: 84

Candidate Starts for MiaZeal_34:

(Start: 84 @24890 has 30 MA's), (Start: 132 @24980 has 48 MA's), (134, 24983), (165, 25058), (173, 25085), (195, 25151), (207, 25187), (216, 25217), (220, 25232), (252, 25316), (263, 25352), (274, 25379), (288, 25418), (297, 25451), (300, 25460), (320, 25517), (336, 25559), (371, 25634), (374, 25646), (394, 25706), (413, 25760), (424, 25790), (430, 25808), (435, 25817), (446, 25850), (449,

25862), (451, 25868), (462, 25907), (479, 25964), (536, 26114), (540, 26132), (553, 26174), (558, 26198), (559, 26201), (562, 26216), (570, 26246), (578, 26276), (592, 26333), (640, 26483), (669, 26603), (673, 26609),

Gene: MichaelScott_20 Start: 17703, Stop: 19283, Start Num: 99

Candidate Starts for MichaelScott_20:

(46, 17586), (Start: 99 @17703 has 65 MA's), (214, 17961), (221, 17982), (246, 18036), (257, 18075), (275, 18132), (283, 18153), (381, 18324), (387, 18342), (394, 18366), (398, 18387), (423, 18429), (451, 18510), (484, 18600), (499, 18645), (512, 18702), (513, 18705), (534, 18759), (562, 18849), (635, 19128), (637, 19137), (645, 19167),

Gene: MichelleMyBell_18 Start: 14987, Stop: 16696, Start Num: 86

Candidate Starts for MichelleMyBell_18:

(Start: 86 @14987 has 47 MA's), (104, 15014), (Start: 158 @15119 has 2 MA's), (161, 15131), (171, 15167), (190, 15218), (195, 15239), (199, 15248), (201, 15254), (207, 15275), (211, 15287), (273, 15461), (276, 15467), (283, 15485), (287, 15497), (288, 15500), (294, 15521), (319, 15596), (328, 15623), (346, 15647), (347, 15650), (350, 15662), (367, 15704), (373, 15719), (374, 15725), (378, 15734), (390, 15773), (406, 15827), (423, 15851), (445, 15911), (464, 15977), (469, 15986), (471, 15995), (486, 16046), (487, 16049), (529, 16154), (543, 16202), (553, 16238), (560, 16268), (577, 16340), (616, 16493), (619, 16502), (631, 16523), (635, 16538), (638, 16550), (650, 16586), (652, 16592),

Gene: MilanaBonita_17 Start: 15476, Stop: 17185, Start Num: 83

Candidate Starts for MilanaBonita_17:

(Start: 83 @15476 has 222 MA's), (134, 15563), (Start: 158 @15608 has 2 MA's), (165, 15632), (199, 15737), (201, 15743), (206, 15761), (215, 15791), (254, 15896), (276, 15956), (284, 15977), (287, 15986), (294, 16010), (346, 16136), (350, 16151), (353, 16157), (367, 16193), (368, 16196), (373, 16208), (374, 16214), (390, 16262), (394, 16274), (395, 16280), (423, 16340), (427, 16352), (443, 16388), (445, 16400), (469, 16475), (471, 16484), (478, 16502), (479, 16508), (487, 16538), (529, 16643), (532, 16652), (533, 16655), (538, 16676), (543, 16691), (560, 16757), (562, 16769), (585, 16868), (592, 16889), (600, 16922), (609, 16952), (616, 16982), (619, 16991), (621, 16997), (631, 17012), (632, 17015), (638, 17039), (648, 17069), (652, 17081), (657, 17111), (667, 17153),

Gene: MilleniumForce_17 Start: 15620, Stop: 17329, Start Num: 83

Candidate Starts for MilleniumForce_17:

(Start: 83 @15620 has 222 MA's), (134, 15707), (Start: 158 @15752 has 2 MA's), (165, 15776), (199, 15881), (201, 15887), (206, 15905), (215, 15935), (254, 16040), (276, 16100), (284, 16121), (287, 16130), (294, 16154), (346, 16280), (350, 16295), (353, 16301), (367, 16337), (368, 16340), (373, 16352), (374, 16358), (390, 16406), (394, 16418), (395, 16424), (423, 16484), (427, 16496), (443, 16532), (445, 16544), (469, 16619), (471, 16628), (478, 16646), (479, 16652), (487, 16682), (529, 16787), (532, 16796), (533, 16799), (543, 16835), (562, 16913), (585, 17012), (592, 17033), (600, 17066), (609, 17096), (616, 17126), (619, 17135), (621, 17141), (631, 17156), (632, 17159), (638, 17183), (648, 17213), (652, 17225), (657, 17255), (667, 17297),

Gene: Mindy_24 Start: 19608, Stop: 21203, Start Num: 132

Candidate Starts for Mindy_24:

(Start: 87 @19524 has 85 MA's), (Start: 132 @19608 has 48 MA's), (Start: 167 @19686 has 1 MA's), (195, 19773), (201, 19788), (215, 19836), (229, 19875), (261, 19962), (274, 19995), (287, 20031), (295, 20061), (297, 20067), (321, 20136), (348, 20166), (351, 20178), (353, 20181), (374, 20238), (424, 20370), (426, 20376), (449, 20442), (451, 20448), (456, 20472), (471, 20520), (479, 20544), (481, 20553), (502, 20628), (532, 20679), (536, 20694), (578, 20856), (583, 20883), (592, 20913), (620, 21018), (650, 21096), (657, 21132), (660, 21141), (667, 21174), (673, 21189),

Gene: Minerva_37 Start: 28330, Stop: 30328, Start Num: 84

Candidate Starts for Minerva_37:

(Start: 84 @28330 has 30 MA's), (Start: 132 @28420 has 48 MA's), (155, 28468), (165, 28498), (173, 28525), (207, 28627), (216, 28657), (252, 28756), (263, 28792), (265, 28798), (274, 28819), (297, 28891), (300, 28900), (307, 28921), (353, 29029), (354, 29032), (359, 29047), (374, 29086), (390, 29134), (394, 29146), (395, 29152), (413, 29200), (416, 29209), (424, 29230), (430, 29248), (447, 29296), (478, 29398), (499, 29470), (510, 29515), (512, 29527), (522, 29662), (523, 29668), (524, 29692), (525, 29764), (527, 29791), (593, 30040),

Gene: MinionDave_17 Start: 15489, Stop: 17198, Start Num: 83

Candidate Starts for MinionDave_17:

(Start: 83 @15489 has 222 MA's), (134, 15576), (Start: 158 @15621 has 2 MA's), (165, 15645), (199, 15750), (201, 15756), (206, 15774), (215, 15804), (254, 15909), (276, 15969), (284, 15990), (287, 15999), (294, 16023), (346, 16149), (350, 16164), (353, 16170), (367, 16206), (368, 16209), (373, 16221), (374, 16227), (390, 16275), (394, 16287), (395, 16293), (423, 16353), (427, 16365), (443, 16401), (445, 16413), (469, 16488), (471, 16497), (478, 16515), (479, 16521), (487, 16551), (529, 16656), (532, 16665), (533, 16668), (543, 16704), (562, 16782), (585, 16881), (592, 16902), (600, 16935), (609, 16965), (616, 16995), (619, 17004), (621, 17010), (631, 17025), (632, 17028), (638, 17052), (648, 17082), (652, 17094), (657, 17124), (667, 17166),

Gene: Miniwave_24 Start: 19943, Stop: 21622, Start Num: 87

Candidate Starts for Miniwave_24:

(Start: 87 @19943 has 85 MA's), (Start: 132 @20027 has 48 MA's), (Start: 167 @20105 has 1 MA's), (195, 20192), (201, 20207), (215, 20255), (229, 20294), (261, 20381), (274, 20414), (287, 20450), (295, 20480), (297, 20486), (321, 20555), (348, 20585), (351, 20597), (353, 20600), (374, 20657), (424, 20789), (426, 20795), (449, 20861), (451, 20867), (456, 20891), (471, 20939), (479, 20963), (481, 20972), (502, 21047), (532, 21098), (536, 21113), (578, 21275), (583, 21302), (592, 21332), (620, 21437), (650, 21515), (657, 21551), (660, 21560), (667, 21593), (673, 21608),

Gene: Minnie_17 Start: 15349, Stop: 17058, Start Num: 83

Candidate Starts for Minnie_17:

(Start: 83 @15349 has 222 MA's), (134, 15436), (Start: 158 @15481 has 2 MA's), (165, 15505), (199, 15610), (201, 15616), (206, 15634), (215, 15664), (254, 15769), (273, 15823), (276, 15829), (284, 15850), (287, 15859), (294, 15883), (346, 16009), (350, 16024), (353, 16030), (367, 16066), (368, 16069), (373, 16081), (374, 16087), (390, 16135), (394, 16147), (395, 16153), (423, 16213), (427, 16225), (443, 16261), (445, 16273), (469, 16348), (471, 16357), (478, 16375), (479, 16381), (487, 16411), (529, 16516), (532, 16525), (533, 16528), (543, 16564), (562, 16642), (585, 16741), (592, 16762), (600, 16795), (609, 16825), (616, 16855), (619, 16864), (621, 16870), (631, 16885), (632, 16888), (638, 16912), (648, 16942), (652, 16954), (657, 16984), (667, 17026),

Gene: MintFen_19 Start: 16650, Stop: 18296, Start Num: 93

Candidate Starts for MintFen_19:

(71, 16614), (Start: 93 @16650 has 51 MA's), (144, 16752), (173, 16830), (Start: 179 @16833 has 11 MA's), (219, 16929), (233, 16968), (262, 17049), (283, 17103), (288, 17118), (374, 17289), (385, 17319), (451, 17502), (456, 17526), (457, 17529), (475, 17577), (502, 17670), (507, 17682), (516, 17727), (520, 17742), (559, 17874), (560, 17877), (583, 17976), (588, 17994), (601, 18045), (624, 18111), (643, 18174), (648, 18186),

Gene: Misfit_24 Start: 19833, Stop: 21512, Start Num: 87

Candidate Starts for Misfit_24:

(Start: 87 @19833 has 85 MA's), (Start: 132 @19917 has 48 MA's), (Start: 167 @19995 has 1 MA's), (195, 20082), (201, 20097), (215, 20145), (229, 20184), (261, 20271), (274, 20304), (287, 20340), (295, 20370), (297, 20376), (321, 20445), (348, 20475), (351, 20487), (353, 20490), (374, 20547),

(424, 20679), (426, 20685), (449, 20751), (451, 20757), (456, 20781), (471, 20829), (479, 20853), (481, 20862), (502, 20937), (532, 20988), (536, 21003), (578, 21165), (583, 21192), (592, 21222), (620, 21327), (650, 21405), (657, 21441), (660, 21450), (667, 21483), (673, 21498),

Gene: Misha28_17 Start: 14677, Stop: 16386, Start Num: 83

Candidate Starts for Misha28_17:

(Start: 83 @14677 has 222 MA's), (134, 14764), (Start: 158 @14809 has 2 MA's), (165, 14833), (199, 14938), (201, 14944), (206, 14962), (209, 14971), (215, 14992), (254, 15097), (276, 15157), (279, 15166), (284, 15178), (287, 15187), (294, 15211), (305, 15247), (307, 15253), (311, 15265), (319, 15286), (320, 15289), (322, 15298), (328, 15313), (331, 15319), (346, 15337), (350, 15352), (353, 15358), (359, 15376), (360, 15379), (367, 15394), (373, 15409), (374, 15415), (390, 15463), (394, 15475), (395, 15481), (423, 15541), (427, 15553), (430, 15562), (443, 15589), (445, 15601), (451, 15622), (469, 15676), (471, 15685), (479, 15709), (487, 15739), (529, 15844), (533, 15856), (543, 15892), (562, 15970), (585, 16069), (592, 16090), (600, 16123), (609, 16153), (616, 16183), (618, 16189), (619, 16192), (621, 16198), (631, 16213), (632, 16216), (637, 16237), (652, 16282), (667, 16354), (668, 16360),

Gene: Miskis_46 Start: 29375, Stop: 31066, Start Num: 74

Candidate Starts for Miskis_46:

(Start: 74 @29375 has 17 MA's), (110, 29435), (129, 29468), (138, 29498), (139, 29501), (190, 29627), (201, 29660), (204, 29669), (255, 29798), (272, 29846), (374, 30059), (376, 30065), (385, 30089), (433, 30218), (443, 30239), (451, 30272), (502, 30470), (560, 30623), (583, 30722), (586, 30734), (589, 30743), (614, 30827), (658, 30974), (666, 31010), (669, 31022),

Gene: MissRona_21 Start: 16962, Stop: 18611, Start Num: 93

Candidate Starts for MissRona_21:

(71, 16926), (Start: 93 @16962 has 51 MA's), (101, 16971), (144, 17067), (173, 17145), (204, 17217), (219, 17244), (233, 17283), (262, 17364), (283, 17418), (374, 17604), (385, 17634), (422, 17733), (451, 17817), (456, 17841), (475, 17892), (502, 17985), (507, 17997), (516, 18042), (520, 18057), (559, 18189), (560, 18192), (583, 18291), (588, 18309), (601, 18360), (622, 18420), (624, 18426), (648, 18501),

Gene: MisterCuddles_16 Start: 14774, Stop: 16483, Start Num: 83

Candidate Starts for MisterCuddles_16:

(Start: 83 @14774 has 222 MA's), (134, 14861), (Start: 158 @14906 has 2 MA's), (165, 14930), (199, 15035), (201, 15041), (206, 15059), (215, 15089), (254, 15194), (273, 15248), (276, 15254), (279, 15263), (284, 15275), (287, 15284), (294, 15308), (305, 15344), (307, 15350), (311, 15362), (319, 15383), (320, 15386), (322, 15395), (328, 15410), (331, 15416), (346, 15434), (350, 15449), (353, 15455), (359, 15473), (360, 15476), (367, 15491), (373, 15506), (374, 15512), (385, 15542), (390, 15560), (394, 15572), (395, 15578), (423, 15638), (427, 15650), (443, 15686), (445, 15698), (451, 15719), (469, 15773), (471, 15782), (479, 15806), (487, 15836), (529, 15941), (533, 15953), (543, 15989), (554, 16028), (562, 16067), (585, 16166), (592, 16187), (600, 16220), (609, 16250), (616, 16280), (619, 16289), (621, 16295), (631, 16310), (632, 16313), (637, 16334), (638, 16337), (652, 16379), (657, 16409), (667, 16451), (668, 16457),

Gene: Mocha12_17 Start: 14758, Stop: 16467, Start Num: 100

Candidate Starts for Mocha12_17:

(Start: 100 @14758 has 33 MA's), (157, 14875), (205, 15025), (220, 15064), (225, 15079), (253, 15148), (257, 15160), (283, 15238), (284, 15241), (333, 15373), (352, 15427), (380, 15508), (397, 15568), (398, 15574), (400, 15580), (442, 15661), (451, 15697), (463, 15733), (473, 15751), (485, 15790), (508, 15862), (512, 15886), (583, 16120), (587, 16135), (598, 16177), (623, 16270), (624, 16273), (637, 16321), (645, 16351),

Gene: Modragons_16 Start: 15041, Stop: 16750, Start Num: 83

Candidate Starts for Modragons_16:

(Start: 83 @15041 has 222 MA's), (134, 15128), (143, 15149), (Start: 158 @15173 has 2 MA's), (165, 15197), (170, 15218), (199, 15302), (201, 15308), (206, 15326), (215, 15356), (254, 15461), (273, 15515), (276, 15521), (283, 15539), (284, 15542), (287, 15551), (294, 15575), (319, 15650), (322, 15662), (328, 15677), (331, 15683), (346, 15701), (350, 15716), (353, 15722), (362, 15749), (367, 15758), (373, 15773), (374, 15779), (390, 15827), (394, 15839), (395, 15845), (423, 15905), (427, 15917), (443, 15953), (445, 15965), (451, 15986), (469, 16040), (471, 16049), (478, 16067), (479, 16073), (487, 16103), (529, 16208), (532, 16217), (533, 16220), (543, 16256), (554, 16295), (562, 16334), (592, 16454), (600, 16487), (609, 16517), (616, 16547), (619, 16556), (621, 16562), (631, 16577), (632, 16580), (637, 16601), (638, 16604), (650, 16640), (652, 16646), (657, 16676), (667, 16718),

Gene: Moldemort_25 Start: 19488, Stop: 21167, Start Num: 87

Candidate Starts for Moldemort_25:

(Start: 87 @19488 has 85 MA's), (Start: 132 @19572 has 48 MA's), (Start: 167 @19650 has 1 MA's), (195, 19737), (201, 19752), (215, 19800), (229, 19839), (261, 19926), (274, 19959), (287, 19995), (295, 20025), (297, 20031), (321, 20100), (348, 20130), (351, 20142), (353, 20145), (374, 20202), (424, 20334), (426, 20340), (449, 20406), (451, 20412), (456, 20436), (471, 20484), (479, 20508), (481, 20517), (502, 20592), (532, 20643), (536, 20658), (578, 20820), (583, 20847), (592, 20877), (620, 20982), (650, 21060), (657, 21096), (660, 21105), (667, 21138), (673, 21153),

Gene: MollyToe_24 Start: 20001, Stop: 21596, Start Num: 132

Candidate Starts for MollyToe_24:

(Start: 87 @19917 has 85 MA's), (Start: 132 @20001 has 48 MA's), (Start: 167 @20079 has 1 MA's), (195, 20166), (201, 20181), (215, 20229), (229, 20268), (261, 20355), (274, 20388), (287, 20424), (295, 20454), (297, 20460), (321, 20529), (348, 20559), (351, 20571), (353, 20574), (374, 20631), (424, 20763), (426, 20769), (449, 20835), (451, 20841), (456, 20865), (471, 20913), (479, 20937), (481, 20946), (502, 21021), (532, 21072), (536, 21087), (578, 21249), (583, 21276), (592, 21306), (620, 21411), (650, 21489), (657, 21525), (660, 21534), (667, 21567), (673, 21582),

Gene: Mollymur_31 Start: 28168, Stop: 30066, Start Num: 73

Candidate Starts for Mollymur_31:

(Start: 73 @28168 has 9 MA's), (Start: 75 @28171 has 5 MA's), (Start: 86 @28189 has 47 MA's), (110, 28228), (234, 28531), (255, 28588), (272, 28636), (300, 28720), (323, 28858), (324, 28864), (330, 28930), (374, 29062), (376, 29068), (453, 29287), (454, 29290), (489, 29410), (502, 29470), (514, 29521), (519, 29536), (583, 29722), (586, 29734), (601, 29791), (676, 30034), (679, 30058),

Gene: MooMoo_16 Start: 14544, Stop: 16277, Start Num: 87

Candidate Starts for MooMoo_16:

(66, 14511), (68, 14514), (Start: 87 @14544 has 85 MA's), (143, 14646), (171, 14718), (182, 14742), (287, 15048), (311, 15126), (346, 15198), (350, 15213), (353, 15219), (354, 15222), (368, 15258), (374, 15276), (390, 15324), (394, 15336), (449, 15477), (469, 15537), (471, 15546), (479, 15570), (485, 15594), (486, 15597), (487, 15600), (496, 15633), (538, 15738), (570, 15861), (572, 15870), (583, 15921), (585, 15930), (601, 15990), (611, 16032), (614, 16044), (630, 16101), (631, 16104), (649, 16164),

Gene: Moonbeam_17 Start: 15298, Stop: 17007, Start Num: 83

Candidate Starts for Moonbeam_17:

(Start: 83 @15298 has 222 MA's), (134, 15385), (Start: 158 @15430 has 2 MA's), (165, 15454), (199, 15559), (201, 15565), (206, 15583), (215, 15613), (254, 15718), (276, 15778), (284, 15799), (287, 15808), (294, 15832), (346, 15958), (350, 15973), (353, 15979), (367, 16015), (368, 16018), (373, 16030), (374, 16036), (390, 16084), (394, 16096), (395, 16102), (423, 16162), (427, 16174), (443,

16210), (445, 16222), (469, 16297), (471, 16306), (478, 16324), (479, 16330), (487, 16360), (529, 16465), (532, 16474), (533, 16477), (543, 16513), (562, 16591), (585, 16690), (592, 16711), (600, 16744), (609, 16774), (616, 16804), (619, 16813), (621, 16819), (631, 16834), (632, 16837), (638, 16861), (648, 16891), (652, 16903), (657, 16933), (667, 16975),

Gene: Moosehead_17 Start: 14663, Stop: 16372, Start Num: 100

Candidate Starts for Moosehead_17:

(41, 14528), (46, 14543), (Start: 100 @14663 has 33 MA's), (122, 14705), (157, 14780), (181, 14852), (182, 14855), (205, 14930), (246, 15026), (253, 15053), (257, 15065), (283, 15143), (284, 15146), (297, 15191), (352, 15332), (380, 15413), (397, 15473), (398, 15479), (423, 15521), (451, 15602), (453, 15614), (463, 15638), (473, 15656), (479, 15671), (485, 15695), (512, 15791), (513, 15794), (583, 16025), (587, 16040), (623, 16175), (624, 16178), (637, 16226), (645, 16256), (655, 16292),

Gene: Mori_56 Start: 33516, Stop: 35252, Start Num: 67

Candidate Starts for Mori_56:

(Start: 63 @33507 has 2 MA's), (Start: 67 @33516 has 29 MA's), (122, 33606), (170, 33723), (184, 33759), (191, 33780), (199, 33807), (201, 33813), (210, 33843), (217, 33867), (236, 33918), (287, 34056), (289, 34062), (304, 34113), (305, 34116), (311, 34134), (346, 34185), (353, 34206), (354, 34209), (373, 34257), (374, 34263), (390, 34311), (392, 34317), (394, 34323), (415, 34383), (423, 34407), (424, 34410), (443, 34455), (446, 34470), (448, 34479), (451, 34488), (464, 34533), (471, 34551), (481, 34584), (533, 34722), (538, 34743), (557, 34809), (563, 34839), (576, 34893), (585, 34935), (592, 34956), (596, 34977), (600, 34989), (606, 35010), (621, 35064), (650, 35142), (657, 35178), (662, 35199), (668, 35226),

Gene: Morkie_18 Start: 15153, Stop: 16865, Start Num: 51

Candidate Starts for Morkie_18:

(Start: 51 @15153 has 25 MA's), (53, 15165), (Start: 67 @15207 has 29 MA's), (126, 15309), (169, 15381), (208, 15462), (227, 15513), (238, 15546), (253, 15588), (255, 15594), (271, 15642), (290, 15693), (300, 15729), (345, 15771), (351, 15792), (354, 15798), (361, 15822), (381, 15873), (382, 15876), (391, 15906), (495, 16218), (511, 16284), (518, 16314), (555, 16407), (559, 16428), (561, 16440), (563, 16446), (564, 16452), (566, 16458), (579, 16512), (586, 16542), (603, 16611), (631, 16698), (633, 16704), (639, 16728), (647, 16755),

Gene: Morrissey_19 Start: 16044, Stop: 17648, Start Num: 92

Candidate Starts for Morrissey_19:

(Start: 85 @16032 has 14 MA's), (Start: 92 @16044 has 11 MA's), (111, 16077), (137, 16131), (205, 16308), (272, 16482), (325, 16599), (354, 16638), (371, 16680), (394, 16752), (403, 16785), (427, 16839), (444, 16878), (448, 16899), (485, 17016), (499, 17058), (502, 17076), (507, 17088), (513, 17118), (551, 17202), (557, 17217), (558, 17226), (570, 17274), (633, 17484), (661, 17592),

Gene: MortyNRick_19 Start: 16293, Stop: 18002, Start Num: 51

Candidate Starts for MortyNRick_19:

(Start: 51 @16293 has 25 MA's), (53, 16305), (55, 16308), (105, 16410), (124, 16446), (154, 16512), (227, 16656), (230, 16665), (238, 16683), (253, 16725), (255, 16731), (263, 16755), (271, 16779), (290, 16830), (291, 16836), (300, 16866), (345, 16908), (351, 16929), (354, 16935), (361, 16959), (381, 17010), (382, 17013), (391, 17043), (445, 17193), (454, 17229), (495, 17355), (511, 17421), (513, 17430), (515, 17442), (518, 17451), (555, 17544), (559, 17565), (561, 17577), (563, 17583), (564, 17589), (566, 17595), (579, 17649), (586, 17679), (603, 17748), (631, 17835), (633, 17841), (647, 17892), (667, 17979), (675, 17997),

Gene: Mosby_23 Start: 19337, Stop: 20932, Start Num: 132

Candidate Starts for Mosby_23:

(Start: 87 @19253 has 85 MA's), (Start: 132 @19337 has 48 MA's), (Start: 167 @19415 has 1 MA's), (195, 19502), (201, 19517), (215, 19565), (229, 19604), (261, 19691), (274, 19724), (287, 19760), (295, 19790), (297, 19796), (321, 19865), (348, 19895), (351, 19907), (353, 19910), (374, 19967), (424, 20099), (426, 20105), (449, 20171), (451, 20177), (456, 20201), (471, 20249), (479, 20273), (481, 20282), (502, 20357), (532, 20408), (536, 20423), (578, 20585), (583, 20612), (592, 20642), (620, 20747), (650, 20825), (657, 20861), (660, 20870), (667, 20903), (673, 20918),

Gene: Mova_17 Start: 14657, Stop: 16366, Start Num: 83

Candidate Starts for Mova_17:

(Start: 83 @14657 has 222 MA's), (134, 14744), (Start: 158 @14789 has 2 MA's), (165, 14813), (199, 14918), (201, 14924), (206, 14942), (215, 14972), (254, 15077), (276, 15137), (284, 15158), (287, 15167), (294, 15191), (319, 15266), (346, 15317), (350, 15332), (353, 15338), (367, 15374), (368, 15377), (373, 15389), (374, 15395), (390, 15443), (394, 15455), (395, 15461), (423, 15521), (427, 15533), (443, 15569), (445, 15581), (469, 15656), (471, 15665), (478, 15683), (479, 15689), (487, 15719), (529, 15824), (532, 15833), (533, 15836), (543, 15872), (562, 15950), (585, 16049), (592, 16070), (600, 16103), (609, 16133), (616, 16163), (619, 16172), (621, 16178), (631, 16193), (632, 16196), (638, 16220), (648, 16250), (652, 16262), (657, 16292), (667, 16334),

Gene: Mozy_17 Start: 14705, Stop: 16414, Start Num: 83

Candidate Starts for Mozy_17:

(Start: 83 @14705 has 222 MA's), (143, 14813), (Start: 158 @14837 has 2 MA's), (165, 14861), (170, 14882), (184, 14918), (190, 14936), (191, 14939), (201, 14972), (206, 14990), (215, 15020), (254, 15125), (276, 15185), (284, 15206), (287, 15215), (294, 15239), (307, 15281), (319, 15314), (331, 15347), (346, 15365), (350, 15380), (353, 15386), (367, 15422), (368, 15425), (373, 15437), (374, 15443), (385, 15473), (390, 15491), (394, 15503), (395, 15509), (423, 15569), (443, 15617), (445, 15629), (469, 15704), (471, 15713), (479, 15737), (487, 15767), (529, 15872), (533, 15884), (543, 15920), (554, 15959), (562, 15998), (592, 16118), (600, 16151), (609, 16181), (616, 16211), (618, 16217), (619, 16220), (621, 16226), (631, 16241), (632, 16244), (637, 16265), (638, 16268), (652, 16310), (657, 16340), (667, 16382),

Gene: Ms6_16 Start: 14816, Stop: 16525, Start Num: 83

Candidate Starts for Ms6_16:

(Start: 83 @14816 has 222 MA's), (134, 14903), (Start: 158 @14948 has 2 MA's), (165, 14972), (199, 15077), (201, 15083), (206, 15101), (215, 15131), (254, 15236), (276, 15296), (284, 15317), (287, 15326), (294, 15350), (346, 15476), (350, 15491), (353, 15497), (367, 15533), (368, 15536), (373, 15548), (374, 15554), (390, 15602), (394, 15614), (395, 15620), (423, 15680), (427, 15692), (443, 15728), (445, 15740), (469, 15815), (471, 15824), (478, 15842), (479, 15848), (487, 15878), (529, 15983), (532, 15992), (533, 15995), (543, 16031), (562, 16109), (585, 16208), (592, 16229), (600, 16262), (609, 16292), (616, 16322), (619, 16331), (621, 16337), (631, 16352), (632, 16355), (638, 16379), (648, 16409), (652, 16421), (657, 16451), (667, 16493),

Gene: MulchExplorer_18 Start: 15928, Stop: 17637, Start Num: 83

Candidate Starts for MulchExplorer_18:

(Start: 83 @15928 has 222 MA's), (134, 16015), (Start: 158 @16060 has 2 MA's), (165, 16084), (199, 16189), (201, 16195), (206, 16213), (215, 16243), (254, 16348), (256, 16354), (276, 16408), (279, 16417), (284, 16429), (287, 16438), (294, 16462), (322, 16549), (328, 16564), (346, 16588), (350, 16603), (353, 16609), (367, 16645), (368, 16648), (373, 16660), (374, 16666), (390, 16714), (394, 16726), (395, 16732), (423, 16792), (427, 16804), (443, 16840), (445, 16852), (451, 16873), (469, 16927), (471, 16936), (478, 16954), (479, 16960), (487, 16990), (529, 17095), (532, 17104), (533, 17107), (543, 17143), (560, 17209), (562, 17221), (585, 17320), (592, 17341), (600, 17374), (609, 17404), (616, 17434), (619, 17443), (621, 17449), (631, 17464), (632, 17467), (638, 17491), (648, 17521), (652, 17533), (657, 17563), (667, 17605),

Gene: MulchSalad_16 Start: 14726, Stop: 16435, Start Num: 83

Candidate Starts for MulchSalad_16:

(Start: 83 @14726 has 222 MA's), (134, 14813), (143, 14834), (Start: 158 @14858 has 2 MA's), (165, 14882), (199, 14987), (201, 14993), (206, 15011), (209, 15020), (215, 15041), (254, 15146), (273, 15200), (276, 15206), (284, 15227), (287, 15236), (294, 15260), (346, 15386), (350, 15401), (353, 15407), (360, 15428), (367, 15443), (368, 15446), (373, 15458), (374, 15464), (390, 15512), (394, 15524), (395, 15530), (423, 15590), (427, 15602), (443, 15638), (445, 15650), (469, 15725), (471, 15734), (478, 15752), (479, 15758), (487, 15788), (529, 15893), (532, 15902), (533, 15905), (543, 15941), (562, 16019), (585, 16118), (592, 16139), (600, 16172), (609, 16202), (616, 16232), (619, 16241), (621, 16247), (631, 16262), (632, 16265), (637, 16286), (638, 16289), (652, 16331), (667, 16403),

Gene: MunkgeeRoachy_18 Start: 15780, Stop: 17477, Start Num: 77

Candidate Starts for MunkgeeRoachy_18:

(Start: 73 @15777 has 9 MA's), (Start: 77 @15780 has 39 MA's), (178, 15990), (213, 16089), (220, 16113), (243, 16164), (271, 16251), (283, 16281), (288, 16296), (291, 16308), (345, 16386), (349, 16398), (358, 16425), (370, 16458), (381, 16491), (385, 16503), (396, 16545), (443, 16668), (462, 16740), (485, 16818), (490, 16833), (497, 16851), (511, 16908), (550, 17001), (559, 17037), (561, 17049), (563, 17055), (566, 17067), (569, 17076), (585, 17148), (586, 17151), (588, 17157), (592, 17169), (608, 17229), (620, 17274), (623, 17283), (633, 17316), (652, 17382),

Gene: Murai_57 Start: 33688, Stop: 35433, Start Num: 63

Candidate Starts for Murai_57:

(Start: 63 @33688 has 2 MA's), (Start: 67 @33697 has 29 MA's), (122, 33787), (170, 33904), (184, 33940), (191, 33961), (199, 33988), (201, 33994), (210, 34024), (217, 34048), (236, 34099), (287, 34237), (289, 34243), (304, 34294), (305, 34297), (311, 34315), (346, 34366), (353, 34387), (354, 34390), (373, 34438), (374, 34444), (390, 34492), (392, 34498), (394, 34504), (415, 34564), (423, 34588), (424, 34591), (443, 34636), (446, 34651), (448, 34660), (451, 34669), (464, 34714), (471, 34732), (481, 34765), (533, 34903), (538, 34924), (557, 34990), (563, 35020), (576, 35074), (585, 35116), (592, 35137), (596, 35158), (600, 35170), (606, 35191), (621, 35245), (650, 35323), (657, 35359), (662, 35380), (668, 35407),

Gene: Murica_23 Start: 19814, Stop: 21409, Start Num: 132

Candidate Starts for Murica_23:

(Start: 87 @19730 has 85 MA's), (Start: 132 @19814 has 48 MA's), (Start: 167 @19892 has 1 MA's), (195, 19979), (201, 19994), (215, 20042), (229, 20081), (261, 20168), (274, 20201), (287, 20237), (295, 20267), (297, 20273), (321, 20342), (348, 20372), (351, 20384), (353, 20387), (374, 20444), (424, 20576), (426, 20582), (449, 20648), (451, 20654), (456, 20678), (471, 20726), (479, 20750), (481, 20759), (502, 20834), (532, 20885), (536, 20900), (578, 21062), (583, 21089), (592, 21119), (620, 21224), (650, 21302), (657, 21338), (660, 21347), (667, 21380), (673, 21395),

Gene: Murp_19 Start: 16718, Stop: 18364, Start Num: 93

Candidate Starts for Murp_19:

(71, 16682), (Start: 93 @16718 has 51 MA's), (144, 16820), (173, 16898), (219, 16997), (233, 17036), (262, 17117), (283, 17171), (288, 17186), (298, 17219), (326, 17267), (331, 17270), (374, 17357), (385, 17387), (451, 17570), (456, 17594), (485, 17678), (502, 17738), (507, 17750), (520, 17810), (560, 17945), (583, 18044), (588, 18062), (601, 18113), (622, 18173), (624, 18179), (643, 18242), (648, 18254),

Gene: Murphy_25 Start: 19809, Stop: 21404, Start Num: 132

Candidate Starts for Murphy_25:

(Start: 87 @19725 has 85 MA's), (Start: 132 @19809 has 48 MA's), (Start: 167 @19887 has 1 MA's), (195, 19974), (201, 19989), (215, 20037), (229, 20076), (261, 20163), (274, 20196), (287, 20232),

(295, 20262), (297, 20268), (321, 20337), (348, 20367), (351, 20379), (353, 20382), (374, 20439), (424, 20571), (426, 20577), (449, 20643), (451, 20649), (456, 20673), (471, 20721), (479, 20745), (481, 20754), (502, 20829), (532, 20880), (536, 20895), (578, 21057), (583, 21084), (592, 21114), (620, 21219), (650, 21297), (657, 21333), (660, 21342), (667, 21375), (673, 21390),

Gene: Mutaforma13_16 Start: 14853, Stop: 16562, Start Num: 83

Candidate Starts for Mutaforma13_16:

(Start: 83 @14853 has 222 MA's), (134, 14940), (Start: 158 @14985 has 2 MA's), (165, 15009), (199, 15114), (201, 15120), (206, 15138), (215, 15168), (254, 15273), (276, 15333), (284, 15354), (287, 15363), (292, 15381), (294, 15387), (319, 15462), (320, 15465), (346, 15513), (350, 15528), (353, 15534), (367, 15570), (368, 15573), (373, 15585), (374, 15591), (390, 15639), (394, 15651), (395, 15657), (423, 15717), (427, 15729), (443, 15765), (445, 15777), (469, 15852), (471, 15861), (478, 15879), (479, 15885), (487, 15915), (529, 16020), (532, 16029), (533, 16032), (543, 16068), (562, 16146), (585, 16245), (592, 16266), (600, 16299), (609, 16329), (616, 16359), (619, 16368), (621, 16374), (631, 16389), (632, 16392), (638, 16416), (648, 16446), (652, 16458), (657, 16488), (667, 16530),

Gene: Mwanjiwa_16 Start: 14789, Stop: 16498, Start Num: 83

Candidate Starts for Mwanjiwa_16:

(Start: 83 @14789 has 222 MA's), (134, 14876), (165, 14945), (199, 15050), (201, 15056), (206, 15074), (215, 15104), (254, 15209), (276, 15269), (287, 15299), (294, 15323), (307, 15365), (319, 15398), (322, 15410), (346, 15449), (350, 15464), (353, 15470), (360, 15491), (367, 15506), (368, 15509), (373, 15521), (374, 15527), (390, 15575), (394, 15587), (395, 15593), (423, 15653), (427, 15665), (443, 15701), (445, 15713), (451, 15734), (469, 15788), (471, 15797), (478, 15815), (479, 15821), (487, 15851), (529, 15956), (532, 15965), (533, 15968), (543, 16004), (553, 16040), (554, 16043), (562, 16082), (592, 16202), (600, 16235), (609, 16265), (616, 16295), (619, 16304), (621, 16310), (631, 16325), (632, 16328), (637, 16349), (638, 16352), (652, 16394), (657, 16424), (667, 16466),

Gene: Myrale_24 Start: 19616, Stop: 21295, Start Num: 87

Candidate Starts for Myrale_24:

(Start: 87 @19616 has 85 MA's), (Start: 132 @19700 has 48 MA's), (Start: 167 @19778 has 1 MA's), (195, 19865), (201, 19880), (215, 19928), (229, 19967), (261, 20054), (274, 20087), (287, 20123), (295, 20153), (297, 20159), (321, 20228), (348, 20258), (351, 20270), (353, 20273), (374, 20330), (424, 20462), (426, 20468), (449, 20534), (451, 20540), (456, 20564), (471, 20612), (479, 20636), (481, 20645), (502, 20720), (532, 20771), (536, 20786), (578, 20948), (583, 20975), (592, 21005), (620, 21110), (650, 21188), (657, 21224), (660, 21233), (667, 21266), (673, 21281),

Gene: NadineRae_41 Start: 27143, Stop: 28759, Start Num: 91

Candidate Starts for NadineRae_41:

(Start: 91 @27143 has 39 MA's), (Start: 99 @27155 has 65 MA's), (Start: 117 @27179 has 1 MA's), (153, 27257), (220, 27440), (246, 27497), (249, 27509), (253, 27524), (278, 27590), (283, 27605), (292, 27629), (327, 27716), (329, 27722), (340, 27746), (374, 27806), (385, 27836), (391, 27857), (428, 27962), (438, 27983), (463, 28070), (483, 28118), (517, 28244), (534, 28280), (585, 28445), (591, 28463), (600, 28499), (655, 28673), (657, 28685), (673, 28742),

Gene: Nala_24 Start: 19856, Stop: 21451, Start Num: 132

Candidate Starts for Nala_24:

(Start: 87 @19772 has 85 MA's), (Start: 132 @19856 has 48 MA's), (Start: 167 @19934 has 1 MA's), (195, 20021), (201, 20036), (215, 20084), (229, 20123), (261, 20210), (274, 20243), (287, 20279), (295, 20309), (297, 20315), (321, 20384), (348, 20414), (351, 20426), (353, 20429), (374, 20486), (424, 20618), (426, 20624), (449, 20690), (451, 20696), (456, 20720), (471, 20768), (479, 20792), (481, 20801), (502, 20876), (532, 20927), (536, 20942), (578, 21104), (583, 21131), (592, 21161),

(620, 21266), (650, 21344), (657, 21380), (660, 21389), (667, 21422), (673, 21437),

Gene: NatB6_41 Start: 29876, Stop: 31489, Start Num: 91

Candidate Starts for NatB6_41:

(Start: 91 @29876 has 39 MA's), (Start: 117 @29912 has 1 MA's), (124, 29930), (153, 29990), (246, 30230), (249, 30242), (253, 30257), (278, 30323), (283, 30338), (292, 30362), (293, 30365), (327, 30449), (340, 30479), (342, 30482), (374, 30539), (390, 30587), (391, 30590), (396, 30611), (438, 30716), (451, 30761), (463, 30803), (517, 30977), (533, 31007), (534, 31013), (572, 31121), (573, 31124), (592, 31199), (657, 31418), (673, 31475),

Gene: Natkenzie_35 Start: 30754, Stop: 32376, Start Num: 90

Candidate Starts for Natkenzie_35:

(Start: 90 @30754 has 22 MA's), (106, 30775), (113, 30787), (137, 30838), (163, 30901), (190, 30973), (222, 31060), (247, 31111), (254, 31141), (284, 31222), (292, 31249), (354, 31348), (366, 31378), (370, 31387), (381, 31420), (382, 31423), (383, 31426), (386, 31435), (398, 31483), (423, 31531), (426, 31540), (457, 31639), (473, 31678), (478, 31690), (508, 31807), (515, 31846), (534, 31885), (558, 31942), (568, 31981), (570, 31990), (582, 32047), (584, 32059), (600, 32116), (601, 32122), (609, 32143), (620, 32176), (635, 32221), (667, 32350), (669, 32359),

Gene: Nazo_18 Start: 16129, Stop: 17865, Start Num: 80

Candidate Starts for Nazo_18:

(Start: 80 @16129 has 48 MA's), (127, 16213), (173, 16327), (176, 16333), (184, 16354), (190, 16372), (200, 16405), (207, 16429), (261, 16588), (263, 16594), (301, 16708), (321, 16765), (337, 16804), (346, 16810), (354, 16834), (374, 16888), (379, 16900), (382, 16909), (398, 16969), (419, 17014), (430, 17047), (445, 17086), (453, 17119), (456, 17131), (471, 17185), (485, 17233), (495, 17263), (499, 17275), (540, 17377), (546, 17389), (547, 17392), (548, 17398), (549, 17407), (576, 17515), (596, 17599), (625, 17698), (648, 17755), (673, 17854),

Gene: Necropolis_19 Start: 16385, Stop: 18121, Start Num: 80

Candidate Starts for Necropolis_19:

(Start: 65 @16361 has 2 MA's), (Start: 80 @16385 has 48 MA's), (115, 16445), (125, 16466), (127, 16469), (176, 16589), (190, 16628), (200, 16661), (207, 16685), (250, 16805), (261, 16844), (263, 16850), (292, 16934), (294, 16940), (297, 16952), (305, 16976), (315, 17003), (321, 17021), (337, 17060), (346, 17066), (354, 17090), (374, 17144), (379, 17156), (382, 17165), (398, 17225), (430, 17303), (445, 17342), (453, 17375), (471, 17441), (477, 17456), (479, 17465), (485, 17489), (495, 17519), (499, 17531), (540, 17633), (546, 17645), (547, 17648), (548, 17654), (549, 17663), (576, 17771), (596, 17855), (625, 17954), (660, 18062), (673, 18110),

Gene: Nekros_34 Start: 27091, Stop: 28824, Start Num: 84

Candidate Starts for Nekros_34:

(Start: 84 @27091 has 30 MA's), (Start: 132 @27181 has 48 MA's), (134, 27184), (173, 27286), (195, 27352), (207, 27388), (216, 27418), (220, 27433), (251, 27514), (252, 27517), (263, 27553), (274, 27580), (288, 27619), (297, 27652), (300, 27661), (320, 27718), (336, 27760), (371, 27835), (374, 27847), (394, 27907), (395, 27913), (413, 27961), (424, 27991), (430, 28009), (435, 28018), (446, 28051), (449, 28063), (451, 28069), (462, 28108), (479, 28165), (536, 28315), (540, 28333), (553, 28375), (558, 28399), (559, 28402), (562, 28417), (570, 28447), (578, 28477), (592, 28534), (639, 28681), (640, 28684), (673, 28810),

Gene: NelitzaMV_24 Start: 19899, Stop: 21494, Start Num: 132

Candidate Starts for NelitzaMV_24:

(Start: 87 @19815 has 85 MA's), (Start: 132 @19899 has 48 MA's), (Start: 167 @19977 has 1 MA's), (195, 20064), (201, 20079), (215, 20127), (229, 20166), (261, 20253), (274, 20286), (287, 20322), (295, 20352), (297, 20358), (321, 20427), (348, 20457), (351, 20469), (353, 20472), (374, 20529),

(424, 20661), (426, 20667), (449, 20733), (451, 20739), (456, 20763), (471, 20811), (479, 20835), (481, 20844), (502, 20919), (532, 20970), (536, 20985), (578, 21147), (583, 21174), (592, 21204), (620, 21309), (650, 21387), (657, 21423), (660, 21432), (667, 21465), (673, 21480),

Gene: Nenae_18 Start: 14993, Stop: 16702, Start Num: 86

Candidate Starts for Nenae_18:

(Start: 86 @14993 has 47 MA's), (104, 15020), (125, 15059), (Start: 158 @15125 has 2 MA's), (161, 15137), (171, 15173), (182, 15197), (190, 15224), (195, 15245), (199, 15254), (201, 15260), (211, 15293), (273, 15467), (276, 15473), (279, 15482), (283, 15491), (287, 15503), (294, 15527), (307, 15569), (319, 15602), (346, 15653), (347, 15656), (350, 15668), (367, 15710), (373, 15725), (374, 15731), (390, 15779), (406, 15833), (423, 15857), (448, 15929), (464, 15983), (469, 15992), (471, 16001), (479, 16025), (486, 16052), (487, 16055), (529, 16160), (532, 16169), (543, 16208), (563, 16289), (577, 16346), (585, 16385), (616, 16499), (631, 16529), (632, 16532), (638, 16556), (650, 16592),

Gene: Neobush_19 Start: 17773, Stop: 19371, Start Num: 99

Candidate Starts for Neobush_19:

(Start: 99 @17773 has 65 MA's), (208, 18022), (214, 18031), (220, 18049), (221, 18052), (246, 18106), (269, 18181), (291, 18250), (294, 18259), (297, 18271), (314, 18322), (328, 18349), (333, 18358), (334, 18361), (380, 18391), (381, 18394), (397, 18451), (423, 18517), (450, 18595), (461, 18628), (473, 18652), (484, 18688), (512, 18790), (534, 18847), (551, 18892), (554, 18898), (562, 18937), (624, 19177), (645, 19255),

Gene: Nettuno_17 Start: 14697, Stop: 16406, Start Num: 100

Candidate Starts for Nettuno_17:

(Start: 100 @14697 has 33 MA's), (157, 14814), (181, 14886), (205, 14964), (253, 15087), (260, 15108), (283, 15177), (284, 15180), (301, 15237), (333, 15312), (352, 15366), (380, 15447), (397, 15507), (398, 15513), (463, 15672), (473, 15690), (479, 15705), (485, 15729), (508, 15801), (509, 15804), (512, 15825), (583, 16059), (587, 16074), (598, 16116), (623, 16209), (624, 16212), (637, 16260), (645, 16290), (660, 16347),

Gene: Nibley_29 Start: 23862, Stop: 25505, Start Num: 132

Candidate Starts for Nibley_29:

(Start: 84 @23772 has 30 MA's), (Start: 132 @23862 has 48 MA's), (134, 23865), (165, 23940), (173, 23967), (207, 24069), (216, 24099), (220, 24114), (252, 24198), (263, 24234), (274, 24261), (288, 24300), (297, 24333), (300, 24342), (320, 24399), (336, 24441), (371, 24516), (374, 24528), (394, 24588), (413, 24642), (424, 24672), (430, 24690), (435, 24699), (446, 24732), (449, 24744), (451, 24750), (462, 24789), (479, 24846), (536, 24996), (540, 25014), (553, 25056), (558, 25080), (559, 25083), (562, 25098), (570, 25128), (578, 25158), (592, 25215), (640, 25365), (669, 25485), (673, 25491),

Gene: Nichirin_16 Start: 15006, Stop: 16715, Start Num: 83

Candidate Starts for Nichirin_16:

(Start: 83 @15006 has 222 MA's), (134, 15093), (143, 15114), (Start: 158 @15138 has 2 MA's), (165, 15162), (170, 15183), (199, 15267), (201, 15273), (206, 15291), (215, 15321), (254, 15426), (273, 15480), (276, 15486), (283, 15504), (284, 15507), (287, 15516), (294, 15540), (319, 15615), (322, 15627), (328, 15642), (331, 15648), (346, 15666), (350, 15681), (353, 15687), (362, 15714), (367, 15723), (373, 15738), (374, 15744), (390, 15792), (394, 15804), (395, 15810), (423, 15870), (427, 15882), (443, 15918), (445, 15930), (451, 15951), (469, 16005), (471, 16014), (478, 16032), (479, 16038), (487, 16068), (529, 16173), (532, 16182), (533, 16185), (543, 16221), (554, 16260), (562, 16299), (592, 16419), (600, 16452), (609, 16482), (616, 16512), (619, 16521), (621, 16527), (631, 16542), (632, 16545), (637, 16566), (638, 16569), (650, 16605), (652, 16611), (657, 16641), (667, 16683),

Gene: NiebruSaylor_55 Start: 32904, Stop: 34640, Start Num: 67

Candidate Starts for NiebruSaylor_55:

(Start: 63 @32895 has 2 MA's), (Start: 67 @32904 has 29 MA's), (122, 32994), (170, 33111), (184, 33147), (191, 33168), (199, 33195), (201, 33201), (210, 33231), (217, 33255), (236, 33306), (287, 33444), (289, 33450), (304, 33501), (305, 33504), (311, 33522), (346, 33573), (353, 33594), (354, 33597), (373, 33645), (374, 33651), (390, 33699), (392, 33705), (394, 33711), (415, 33771), (423, 33795), (424, 33798), (443, 33843), (446, 33858), (448, 33867), (451, 33876), (464, 33921), (471, 33939), (481, 33972), (533, 34110), (538, 34131), (557, 34197), (563, 34227), (576, 34281), (585, 34323), (592, 34344), (596, 34365), (600, 34377), (606, 34398), (621, 34452), (650, 34530), (657, 34566), (662, 34587), (668, 34614),

Gene: Nimbo_16 Start: 14808, Stop: 16517, Start Num: 83

Candidate Starts for Nimbo_16:

(Start: 83 @14808 has 222 MA's), (134, 14895), (Start: 158 @14940 has 2 MA's), (165, 14964), (199, 15069), (201, 15075), (206, 15093), (215, 15123), (254, 15228), (276, 15288), (284, 15309), (287, 15318), (294, 15342), (346, 15468), (350, 15483), (353, 15489), (367, 15525), (368, 15528), (373, 15540), (374, 15546), (390, 15594), (394, 15606), (395, 15612), (423, 15672), (427, 15684), (443, 15720), (445, 15732), (469, 15807), (471, 15816), (478, 15834), (479, 15840), (487, 15870), (529, 15975), (532, 15984), (533, 15987), (543, 16023), (562, 16101), (585, 16200), (592, 16221), (600, 16254), (609, 16284), (616, 16314), (619, 16323), (621, 16329), (631, 16344), (632, 16347), (637, 16368), (638, 16371), (652, 16413), (657, 16443), (667, 16485),

Gene: Nimrod_24 Start: 19991, Stop: 21670, Start Num: 87

Candidate Starts for Nimrod_24:

(Start: 87 @19991 has 85 MA's), (Start: 132 @20075 has 48 MA's), (Start: 167 @20153 has 1 MA's), (195, 20240), (201, 20255), (215, 20303), (229, 20342), (261, 20429), (274, 20462), (287, 20498), (295, 20528), (297, 20534), (321, 20603), (348, 20633), (351, 20645), (353, 20648), (374, 20705), (424, 20837), (426, 20843), (449, 20909), (451, 20915), (456, 20939), (471, 20987), (479, 21011), (481, 21020), (502, 21095), (532, 21146), (536, 21161), (578, 21323), (583, 21350), (592, 21380), (620, 21485), (650, 21563), (657, 21599), (660, 21608), (667, 21641), (673, 21656),

Gene: Nina_19 Start: 16774, Stop: 18471, Start Num: 77

Candidate Starts for Nina_19:

(Start: 73 @16771 has 9 MA's), (Start: 77 @16774 has 39 MA's), (178, 16984), (220, 17107), (243, 17158), (271, 17245), (275, 17254), (283, 17275), (288, 17290), (291, 17302), (345, 17380), (349, 17392), (358, 17419), (370, 17452), (381, 17485), (385, 17497), (396, 17539), (443, 17662), (462, 17734), (485, 17812), (490, 17827), (497, 17845), (511, 17902), (550, 17995), (559, 18031), (561, 18043), (563, 18049), (566, 18061), (569, 18070), (585, 18142), (586, 18145), (588, 18151), (592, 18163), (608, 18223), (620, 18268), (623, 18277), (633, 18310), (652, 18376),

Gene: Nitzel_17 Start: 15550, Stop: 17259, Start Num: 85

Candidate Starts for Nitzel_17:

(Start: 85 @15550 has 14 MA's), (Start: 158 @15682 has 2 MA's), (165, 15706), (168, 15715), (191, 15784), (201, 15817), (206, 15835), (209, 15844), (254, 15970), (276, 16030), (284, 16051), (287, 16060), (294, 16084), (307, 16126), (319, 16159), (320, 16162), (322, 16171), (328, 16186), (331, 16192), (346, 16210), (350, 16225), (353, 16231), (367, 16267), (368, 16270), (373, 16282), (374, 16288), (378, 16297), (390, 16336), (394, 16348), (443, 16462), (445, 16474), (454, 16507), (469, 16549), (471, 16558), (478, 16576), (479, 16582), (529, 16717), (533, 16729), (543, 16765), (562, 16843), (609, 17026), (615, 17053), (616, 17056), (619, 17065), (621, 17071), (631, 17086), (637, 17110), (638, 17113), (641, 17122), (652, 17155), (667, 17227),

Gene: Nivrat_16 Start: 14812, Stop: 16521, Start Num: 83

Candidate Starts for Nivrat_16:

(Start: 83 @14812 has 222 MA's), (134, 14899), (Start: 158 @14944 has 2 MA's), (165, 14968), (199, 15073), (201, 15079), (206, 15097), (215, 15127), (254, 15232), (273, 15286), (276, 15292), (279, 15301), (287, 15322), (294, 15346), (305, 15382), (307, 15388), (319, 15421), (320, 15424), (322, 15433), (328, 15448), (331, 15454), (346, 15472), (350, 15487), (353, 15493), (359, 15511), (360, 15514), (367, 15529), (373, 15544), (374, 15550), (390, 15598), (394, 15610), (395, 15616), (423, 15676), (427, 15688), (443, 15724), (445, 15736), (469, 15811), (471, 15820), (478, 15838), (479, 15844), (487, 15874), (529, 15979), (533, 15991), (543, 16027), (562, 16105), (592, 16225), (600, 16258), (609, 16288), (611, 16300), (616, 16318), (618, 16324), (619, 16327), (621, 16333), (631, 16348), (632, 16351), (637, 16372), (638, 16375), (652, 16417), (657, 16447), (667, 16489), (668, 16495),

Gene: NoSleep_25 Start: 19485, Stop: 21164, Start Num: 87

Candidate Starts for NoSleep_25:

(Start: 87 @19485 has 85 MA's), (Start: 132 @19569 has 48 MA's), (Start: 167 @19647 has 1 MA's), (195, 19734), (201, 19749), (215, 19797), (229, 19836), (261, 19923), (274, 19956), (287, 19992), (295, 20022), (297, 20028), (321, 20097), (348, 20127), (351, 20139), (353, 20142), (374, 20199), (424, 20331), (426, 20337), (449, 20403), (451, 20409), (456, 20433), (471, 20481), (479, 20505), (481, 20514), (502, 20589), (532, 20640), (536, 20655), (578, 20817), (583, 20844), (592, 20874), (620, 20979), (650, 21057), (657, 21093), (660, 21102), (667, 21135), (673, 21150),

Gene: NonchalantPear_24 Start: 19441, Stop: 21120, Start Num: 87

Candidate Starts for NonchalantPear_24:

(Start: 87 @19441 has 85 MA's), (Start: 132 @19525 has 48 MA's), (Start: 167 @19603 has 1 MA's), (195, 19690), (201, 19705), (215, 19753), (229, 19792), (261, 19879), (274, 19912), (287, 19948), (295, 19978), (297, 19984), (321, 20053), (348, 20083), (351, 20095), (353, 20098), (374, 20155), (424, 20287), (426, 20293), (449, 20359), (451, 20365), (456, 20389), (471, 20437), (479, 20461), (481, 20470), (502, 20545), (532, 20596), (536, 20611), (578, 20773), (583, 20800), (592, 20830), (620, 20935), (650, 21013), (657, 21049), (660, 21058), (667, 21091), (673, 21106),

Gene: NormanBulbieJr_16 Start: 14800, Stop: 16509, Start Num: 83

Candidate Starts for NormanBulbieJr_16:

(Start: 83 @14800 has 222 MA's), (134, 14887), (Start: 158 @14932 has 2 MA's), (165, 14956), (199, 15061), (201, 15067), (206, 15085), (215, 15115), (254, 15220), (276, 15280), (284, 15301), (287, 15310), (294, 15334), (346, 15460), (350, 15475), (353, 15481), (367, 15517), (368, 15520), (373, 15532), (374, 15538), (390, 15586), (394, 15598), (395, 15604), (423, 15664), (427, 15676), (443, 15712), (445, 15724), (469, 15799), (471, 15808), (478, 15826), (479, 15832), (487, 15862), (529, 15967), (533, 15979), (543, 16015), (562, 16093), (585, 16192), (592, 16213), (600, 16246), (609, 16276), (611, 16288), (616, 16306), (618, 16312), (619, 16315), (621, 16321), (631, 16336), (632, 16339), (637, 16360), (638, 16363), (652, 16405), (657, 16435), (667, 16477), (668, 16483),

Gene: Norvs_49 Start: 29614, Stop: 31305, Start Num: 74

Candidate Starts for Norvs_49:

(Start: 74 @29614 has 17 MA's), (110, 29674), (129, 29707), (138, 29737), (139, 29740), (201, 29899), (204, 29908), (255, 30037), (272, 30085), (374, 30298), (376, 30304), (385, 30328), (433, 30457), (443, 30478), (451, 30511), (502, 30709), (560, 30862), (583, 30961), (586, 30973), (589, 30982), (614, 31066), (658, 31213), (666, 31249),

Gene: NosilaM_44 Start: 30458, Stop: 32074, Start Num: 91

Candidate Starts for NosilaM_44:

(Start: 91 @30458 has 39 MA's), (153, 30572), (184, 30656), (253, 30839), (278, 30905), (283, 30920), (292, 30944), (327, 31031), (340, 31061), (342, 31064), (374, 31121), (396, 31193), (438, 31298), (463, 31385), (483, 31433), (517, 31559), (534, 31595), (573, 31706), (592, 31781), (648, 31958),

(657, 32000), (673, 32057),

Gene: NovumRegina_41 Start: 30206, Stop: 31819, Start Num: 91

Candidate Starts for NovumRegina_41:

(Start: 91 @30206 has 39 MA's), (Start: 117 @30242 has 1 MA's), (124, 30260), (153, 30320), (246, 30560), (249, 30572), (253, 30587), (278, 30653), (283, 30668), (292, 30692), (293, 30695), (327, 30779), (340, 30809), (342, 30812), (374, 30869), (390, 30917), (391, 30920), (396, 30941), (438, 31046), (451, 31091), (463, 31133), (517, 31307), (533, 31337), (534, 31343), (572, 31451), (573, 31454), (592, 31529), (657, 31748), (673, 31805),

Gene: Nyceirae_23 Start: 18768, Stop: 20426, Start Num: 81

Candidate Starts for Nyceirae_23:

(37, 18639), (62, 18732), (Start: 81 @18768 has 2 MA's), (Start: 88 @18780 has 5 MA's), (144, 18894), (160, 18924), (175, 18978), (197, 19044), (199, 19050), (243, 19161), (248, 19170), (253, 19197), (255, 19203), (256, 19206), (263, 19227), (293, 19311), (350, 19398), (351, 19401), (376, 19467), (382, 19482), (397, 19536), (409, 19566), (418, 19575), (433, 19617), (443, 19638), (454, 19686), (457, 19698), (467, 19725), (489, 19794), (506, 19863), (513, 19896), (536, 19953), (559, 20004), (576, 20073), (597, 20160), (601, 20175), (621, 20232), (624, 20241), (637, 20280), (649, 20319), (651, 20325),

Gene: Nymphadora_19 Start: 17764, Stop: 19362, Start Num: 99

Candidate Starts for Nymphadora_19:

(Start: 99 @17764 has 65 MA's), (214, 18022), (220, 18040), (221, 18043), (246, 18097), (269, 18172), (291, 18241), (294, 18250), (297, 18262), (314, 18313), (328, 18340), (333, 18349), (334, 18352), (381, 18385), (397, 18442), (423, 18508), (461, 18619), (473, 18643), (484, 18679), (512, 18781), (534, 18838), (562, 18928), (624, 19168), (645, 19246),

Gene: ODay_25 Start: 18641, Stop: 20350, Start Num: 51

Candidate Starts for ODay_25:

(Start: 51 @18641 has 25 MA's), (53, 18653), (55, 18656), (Start: 67 @18695 has 29 MA's), (154, 18860), (208, 18953), (227, 19004), (230, 19013), (238, 19031), (253, 19073), (255, 19079), (263, 19103), (265, 19109), (271, 19127), (290, 19178), (291, 19184), (300, 19214), (345, 19256), (351, 19277), (354, 19283), (361, 19307), (381, 19358), (382, 19361), (391, 19391), (393, 19397), (445, 19541), (495, 19703), (511, 19769), (513, 19778), (518, 19799), (555, 19892), (559, 19913), (561, 19925), (563, 19931), (565, 19940), (566, 19943), (579, 19997), (586, 20027), (603, 20096), (631, 20183), (633, 20189), (647, 20240), (657, 20285), (667, 20327), (675, 20345),

Gene: Obliviate_18 Start: 16440, Stop: 18086, Start Num: 93

Candidate Starts for Obliviate_18:

(71, 16404), (Start: 93 @16440 has 51 MA's), (144, 16542), (173, 16620), (Start: 179 @16623 has 11 MA's), (219, 16719), (233, 16758), (255, 16818), (262, 16839), (283, 16893), (288, 16908), (374, 17079), (385, 17109), (451, 17292), (456, 17316), (475, 17367), (502, 17460), (507, 17472), (516, 17517), (520, 17532), (559, 17664), (560, 17667), (583, 17766), (588, 17784), (601, 17835), (624, 17901), (643, 17964), (648, 17976),

Gene: Ochi17_16 Start: 15041, Stop: 16750, Start Num: 83

Candidate Starts for Ochi17_16:

(Start: 83 @15041 has 222 MA's), (134, 15128), (143, 15149), (Start: 158 @15173 has 2 MA's), (165, 15197), (170, 15218), (199, 15302), (201, 15308), (206, 15326), (215, 15356), (254, 15461), (273, 15515), (276, 15521), (283, 15539), (284, 15542), (287, 15551), (294, 15575), (319, 15650), (322, 15662), (328, 15677), (331, 15683), (346, 15701), (350, 15716), (353, 15722), (362, 15749), (367, 15758), (373, 15773), (374, 15779), (390, 15827), (394, 15839), (395, 15845), (423, 15905), (427, 15917), (443, 15953), (445, 15965), (451, 15986), (469, 16040), (471, 16049), (478, 16067), (479,

16073), (487, 16103), (529, 16208), (532, 16217), (533, 16220), (543, 16256), (554, 16295), (562, 16334), (592, 16454), (600, 16487), (609, 16517), (616, 16547), (619, 16556), (621, 16562), (631, 16577), (632, 16580), (637, 16601), (638, 16604), (650, 16640), (652, 16646), (657, 16676), (667, 16718),

Gene: Odette_36 Start: 26877, Stop: 28610, Start Num: 84

Candidate Starts for Odette_36:

(Start: 84 @26877 has 30 MA's), (Start: 132 @26967 has 48 MA's), (155, 27015), (165, 27045), (173, 27072), (207, 27174), (216, 27204), (252, 27303), (263, 27339), (265, 27345), (274, 27366), (297, 27438), (300, 27447), (307, 27468), (331, 27537), (353, 27576), (354, 27579), (359, 27594), (374, 27633), (390, 27681), (394, 27693), (395, 27699), (413, 27747), (416, 27756), (424, 27777), (430, 27795), (447, 27843), (478, 27945), (495, 28005), (499, 28017), (536, 28101), (539, 28113), (540, 28119), (546, 28131), (547, 28134), (556, 28173), (560, 28191), (569, 28227), (570, 28233), (592, 28320), (615, 28410), (635, 28452), (640, 28470), (649, 28500), (658, 28542), (673, 28596),

Gene: OfUltron_16 Start: 15041, Stop: 16750, Start Num: 83

Candidate Starts for OfUltron_16:

(Start: 83 @15041 has 222 MA's), (134, 15128), (143, 15149), (Start: 158 @15173 has 2 MA's), (165, 15197), (170, 15218), (199, 15302), (201, 15308), (206, 15326), (215, 15356), (254, 15461), (273, 15515), (276, 15521), (283, 15539), (284, 15542), (287, 15551), (294, 15575), (319, 15650), (322, 15662), (328, 15677), (331, 15683), (346, 15701), (350, 15716), (353, 15722), (362, 15749), (367, 15758), (373, 15773), (374, 15779), (390, 15827), (394, 15839), (395, 15845), (423, 15905), (427, 15917), (443, 15953), (445, 15965), (451, 15986), (469, 16040), (471, 16049), (478, 16067), (479, 16073), (487, 16103), (529, 16208), (532, 16217), (533, 16220), (543, 16256), (554, 16295), (562, 16334), (592, 16454), (600, 16487), (609, 16517), (616, 16547), (619, 16556), (621, 16562), (631, 16577), (632, 16580), (637, 16601), (638, 16604), (650, 16640), (652, 16646), (657, 16676), (667, 16718),

Gene: Ogopogo_19 Start: 15066, Stop: 16775, Start Num: 83

Candidate Starts for Ogopogo_19:

(Start: 83 @15066 has 222 MA's), (134, 15153), (143, 15174), (Start: 158 @15198 has 2 MA's), (165, 15222), (170, 15243), (199, 15327), (201, 15333), (206, 15351), (215, 15381), (254, 15486), (273, 15540), (276, 15546), (279, 15555), (284, 15567), (287, 15576), (294, 15600), (307, 15642), (319, 15675), (331, 15708), (346, 15726), (350, 15741), (353, 15747), (367, 15783), (373, 15798), (374, 15804), (390, 15852), (394, 15864), (395, 15870), (423, 15930), (443, 15978), (445, 15990), (469, 16065), (471, 16074), (478, 16092), (479, 16098), (487, 16128), (529, 16233), (533, 16245), (543, 16281), (592, 16479), (600, 16512), (609, 16542), (611, 16554), (616, 16572), (619, 16581), (621, 16587), (631, 16602), (632, 16605), (637, 16626), (638, 16629), (652, 16671), (657, 16701), (667, 16743), (668, 16749),

Gene: Ohgeesy_19 Start: 17387, Stop: 18985, Start Num: 99

Candidate Starts for Ohgeesy_19:

(Start: 99 @17387 has 65 MA's), (208, 17636), (214, 17645), (220, 17663), (221, 17666), (246, 17720), (269, 17795), (291, 17864), (294, 17873), (297, 17885), (301, 17897), (314, 17936), (328, 17963), (333, 17972), (334, 17975), (381, 18008), (397, 18065), (423, 18131), (461, 18242), (484, 18302), (512, 18404), (534, 18461), (562, 18551), (624, 18791), (645, 18869),

Gene: Okabe_18 Start: 15596, Stop: 17305, Start Num: 83

Candidate Starts for Okabe_18:

(Start: 83 @15596 has 222 MA's), (134, 15683), (165, 15752), (170, 15773), (199, 15857), (201, 15863), (206, 15881), (215, 15911), (254, 16016), (276, 16076), (279, 16085), (287, 16106), (292, 16124), (294, 16130), (307, 16172), (319, 16205), (328, 16232), (331, 16238), (346, 16256), (350, 16271), (353, 16277), (360, 16298), (367, 16313), (368, 16316), (373, 16328), (374, 16334), (390,

16382), (394, 16394), (395, 16400), (423, 16460), (427, 16472), (443, 16508), (445, 16520), (451, 16541), (469, 16595), (471, 16604), (478, 16622), (479, 16628), (487, 16658), (529, 16763), (533, 16775), (543, 16811), (553, 16847), (554, 16850), (562, 16889), (585, 16988), (592, 17009), (600, 17042), (609, 17072), (616, 17102), (619, 17111), (621, 17117), (631, 17132), (632, 17135), (637, 17156), (638, 17159), (652, 17201), (657, 17231), (667, 17273),

Gene: Oksu_17 Start: 14871, Stop: 16580, Start Num: 83

Candidate Starts for Oksu_17:

(Start: 83 @14871 has 222 MA's), (134, 14958), (Start: 158 @15003 has 2 MA's), (165, 15027), (199, 15132), (201, 15138), (206, 15156), (215, 15186), (254, 15291), (276, 15351), (284, 15372), (287, 15381), (294, 15405), (319, 15480), (346, 15531), (350, 15546), (353, 15552), (367, 15588), (373, 15603), (374, 15609), (390, 15657), (394, 15669), (395, 15675), (423, 15735), (427, 15747), (443, 15783), (445, 15795), (451, 15816), (469, 15870), (471, 15879), (478, 15897), (479, 15903), (487, 15933), (529, 16038), (532, 16047), (533, 16050), (543, 16086), (562, 16164), (585, 16263), (592, 16284), (600, 16317), (609, 16347), (616, 16377), (619, 16386), (621, 16392), (631, 16407), (632, 16410), (637, 16431), (638, 16434), (650, 16470), (652, 16476), (667, 16548),

Gene: OldBen_16 Start: 14778, Stop: 16487, Start Num: 83

Candidate Starts for OldBen_16:

(Start: 83 @14778 has 222 MA's), (134, 14865), (Start: 158 @14910 has 2 MA's), (165, 14934), (199, 15039), (201, 15045), (206, 15063), (209, 15072), (215, 15093), (254, 15198), (276, 15258), (284, 15279), (287, 15288), (294, 15312), (346, 15438), (350, 15453), (353, 15459), (367, 15495), (368, 15498), (373, 15510), (374, 15516), (390, 15564), (394, 15576), (395, 15582), (423, 15642), (427, 15654), (443, 15690), (445, 15702), (469, 15777), (471, 15786), (478, 15804), (479, 15810), (487, 15840), (529, 15945), (532, 15954), (533, 15957), (543, 15993), (562, 16071), (585, 16170), (592, 16191), (600, 16224), (609, 16254), (616, 16284), (619, 16293), (621, 16299), (631, 16314), (632, 16317), (637, 16338), (638, 16341), (652, 16383), (657, 16413), (667, 16455),

Gene: OlympiaSaint_16 Start: 15002, Stop: 16711, Start Num: 83

Candidate Starts for OlympiaSaint_16:

(Start: 83 @15002 has 222 MA's), (134, 15089), (Start: 158 @15134 has 2 MA's), (165, 15158), (199, 15263), (201, 15269), (206, 15287), (215, 15317), (254, 15422), (276, 15482), (284, 15503), (287, 15512), (294, 15536), (319, 15611), (320, 15614), (346, 15662), (350, 15677), (353, 15683), (367, 15719), (368, 15722), (373, 15734), (374, 15740), (390, 15788), (394, 15800), (395, 15806), (423, 15866), (427, 15878), (443, 15914), (445, 15926), (469, 16001), (471, 16010), (478, 16028), (479, 16034), (487, 16064), (529, 16169), (533, 16181), (543, 16217), (562, 16295), (592, 16415), (600, 16448), (609, 16478), (616, 16508), (619, 16517), (621, 16523), (631, 16538), (632, 16541), (638, 16565), (648, 16595), (652, 16607), (657, 16637), (667, 16679),

Gene: Omega_36 Start: 28767, Stop: 30500, Start Num: 84

Candidate Starts for Omega_36:

(Start: 84 @28767 has 30 MA's), (Start: 132 @28857 has 48 MA's), (134, 28860), (165, 28935), (173, 28962), (195, 29028), (207, 29064), (216, 29094), (220, 29109), (252, 29193), (263, 29229), (274, 29256), (288, 29295), (297, 29328), (300, 29337), (320, 29394), (336, 29436), (371, 29511), (374, 29523), (394, 29583), (395, 29589), (413, 29637), (424, 29667), (430, 29685), (435, 29694), (446, 29727), (449, 29739), (451, 29745), (462, 29784), (479, 29841), (536, 29991), (540, 30009), (553, 30051), (558, 30075), (559, 30078), (562, 30093), (570, 30123), (578, 30153), (592, 30210), (640, 30360), (669, 30480), (673, 30486),

Gene: OneDirection_17 Start: 14664, Stop: 16373, Start Num: 100

Candidate Starts for OneDirection_17:

(41, 14529), (Start: 100 @14664 has 33 MA's), (181, 14853), (182, 14856), (205, 14931), (225, 14985), (253, 15054), (283, 15144), (284, 15147), (333, 15279), (352, 15333), (380, 15414), (397, 15474),

(398, 15480), (440, 15561), (463, 15639), (473, 15657), (485, 15696), (508, 15768), (509, 15771), (512, 15792), (583, 16026), (587, 16041), (598, 16083), (623, 16176), (624, 16179), (637, 16227), (645, 16257),

Gene: OneUp_42 Start: 27048, Stop: 28739, Start Num: 74

Candidate Starts for OneUp_42:

(Start: 74 @27048 has 17 MA's), (110, 27108), (129, 27141), (173, 27264), (200, 27330), (220, 27378), (253, 27465), (255, 27471), (272, 27519), (274, 27522), (289, 27564), (350, 27669), (371, 27720), (374, 27732), (376, 27738), (445, 27924), (499, 28122), (502, 28140), (513, 28182), (533, 28227), (534, 28233), (560, 28293), (586, 28404), (650, 28605), (658, 28644), (666, 28680),

Gene: Optimus_35 Start: 27884, Stop: 29882, Start Num: 84

Candidate Starts for Optimus_35:

(Start: 84 @27884 has 30 MA's), (Start: 132 @27974 has 48 MA's), (155, 28022), (165, 28052), (207, 28181), (216, 28211), (232, 28262), (252, 28310), (263, 28346), (274, 28373), (297, 28445), (300, 28454), (307, 28475), (331, 28544), (353, 28583), (354, 28586), (359, 28601), (374, 28640), (390, 28688), (394, 28700), (395, 28706), (413, 28754), (416, 28763), (424, 28784), (430, 28802), (447, 28850), (478, 28952), (499, 29024), (510, 29069), (512, 29081), (522, 29216), (523, 29222), (524, 29246), (525, 29318), (527, 29345), (593, 29594),

Gene: Oregano_20 Start: 17368, Stop: 18948, Start Num: 99

Candidate Starts for Oregano_20:

(46, 17251), (Start: 99 @17368 has 65 MA's), (214, 17626), (221, 17647), (246, 17701), (257, 17740), (275, 17797), (283, 17818), (381, 17989), (387, 18007), (394, 18031), (398, 18052), (423, 18094), (451, 18175), (484, 18265), (512, 18367), (513, 18370), (534, 18424), (562, 18514), (635, 18793), (637, 18802), (645, 18832),

Gene: OrionPax_25 Start: 19491, Stop: 21170, Start Num: 87

Candidate Starts for OrionPax_25:

(Start: 87 @19491 has 85 MA's), (Start: 132 @19575 has 48 MA's), (Start: 167 @19653 has 1 MA's), (195, 19740), (201, 19755), (215, 19803), (229, 19842), (261, 19929), (274, 19962), (287, 19998), (295, 20028), (297, 20034), (321, 20103), (348, 20133), (351, 20145), (353, 20148), (374, 20205), (424, 20337), (426, 20343), (449, 20409), (451, 20415), (456, 20439), (471, 20487), (479, 20511), (481, 20520), (502, 20595), (532, 20646), (536, 20661), (578, 20823), (583, 20850), (592, 20880), (620, 20985), (650, 21063), (657, 21099), (660, 21108), (667, 21141), (673, 21156),

Gene: Outis_42 Start: 30437, Stop: 32053, Start Num: 91

Candidate Starts for Outis_42:

(Start: 91 @30437 has 39 MA's), (153, 30551), (253, 30818), (278, 30884), (283, 30899), (292, 30923), (293, 30926), (327, 31010), (340, 31040), (345, 31058), (372, 31091), (374, 31100), (381, 31118), (390, 31148), (396, 31172), (428, 31256), (438, 31277), (452, 31325), (463, 31364), (483, 31412), (517, 31538), (534, 31574), (573, 31685), (592, 31760), (648, 31937), (657, 31979), (673, 32036),

Gene: Ovechkin_16 Start: 14836, Stop: 16545, Start Num: 83

Candidate Starts for Ovechkin_16:

(Start: 83 @14836 has 222 MA's), (134, 14923), (Start: 158 @14968 has 2 MA's), (165, 14992), (199, 15097), (201, 15103), (206, 15121), (215, 15151), (254, 15256), (276, 15316), (284, 15337), (287, 15346), (294, 15370), (346, 15496), (350, 15511), (353, 15517), (367, 15553), (368, 15556), (373, 15568), (374, 15574), (390, 15622), (394, 15634), (395, 15640), (423, 15700), (427, 15712), (443, 15748), (445, 15760), (469, 15835), (471, 15844), (478, 15862), (479, 15868), (487, 15898), (529, 16003), (532, 16012), (533, 16015), (543, 16051), (562, 16129), (585, 16228), (592, 16249), (600, 16282), (609, 16312), (616, 16342), (619, 16351), (621, 16357), (631, 16372), (632, 16375), (638, 16399), (648, 16429), (652, 16441), (657, 16471), (667, 16513),

Gene: OwlsT2W_18 Start: 15174, Stop: 16883, Start Num: 83

Candidate Starts for OwlsT2W_18:

(Start: 83 @15174 has 222 MA's), (134, 15261), (Start: 158 @15306 has 2 MA's), (165, 15330), (199, 15435), (201, 15441), (206, 15459), (215, 15489), (254, 15594), (276, 15654), (279, 15663), (283, 15672), (284, 15675), (287, 15684), (294, 15708), (319, 15783), (320, 15786), (346, 15834), (350, 15849), (353, 15855), (367, 15891), (368, 15894), (373, 15906), (374, 15912), (390, 15960), (394, 15972), (395, 15978), (423, 16038), (427, 16050), (443, 16086), (445, 16098), (469, 16173), (471, 16182), (478, 16200), (479, 16206), (487, 16236), (529, 16341), (532, 16350), (533, 16353), (543, 16389), (560, 16455), (562, 16467), (585, 16566), (592, 16587), (600, 16620), (609, 16650), (616, 16680), (619, 16689), (621, 16695), (631, 16710), (632, 16713), (638, 16737), (648, 16767), (652, 16779), (657, 16809), (667, 16851),

Gene: P1201_47 Start: 34468, Stop: 36096, Start Num: 94

Candidate Starts for P1201_47:

(94, 34468), (194, 34690), (220, 34771), (228, 34792), (284, 34936), (335, 35071), (374, 35143), (378, 35152), (410, 35251), (417, 35266), (449, 35359), (503, 35524), (513, 35563), (559, 35668), (567, 35701), (577, 35740), (595, 35812), (610, 35866), (621, 35890), (624, 35899), (644, 35980), (667, 36070),

Gene: PCoral7_19 Start: 16740, Stop: 18389, Start Num: 93

Candidate Starts for PCoral7_19:

(1, 15693), (2, 15738), (3, 15762), (4, 15768), (5, 15876), (6, 15924), (8, 15996), (10, 16071), (14, 16209), (15, 16239), (16, 16245), (20, 16377), (23, 16434), (25, 16443), (39, 16602), (71, 16704), (Start: 93 @16740 has 51 MA's), (144, 16845), (173, 16923), (200, 16983), (204, 16995), (205, 16998), (283, 17196), (288, 17211), (331, 17295), (347, 17307), (350, 17316), (351, 17319), (358, 17340), (374, 17382), (385, 17412), (451, 17595), (456, 17619), (475, 17670), (485, 17703), (502, 17763), (507, 17775), (515, 17817), (520, 17835), (560, 17970), (583, 18069), (588, 18087), (601, 18138), (622, 18198), (624, 18204), (648, 18279),

Gene: PHappiness_16 Start: 14786, Stop: 16495, Start Num: 83

Candidate Starts for PHappiness_16:

(Start: 83 @14786 has 222 MA's), (134, 14873), (Start: 158 @14918 has 2 MA's), (165, 14942), (199, 15047), (201, 15053), (206, 15071), (215, 15101), (254, 15206), (276, 15266), (284, 15287), (287, 15296), (294, 15320), (346, 15446), (350, 15461), (353, 15467), (367, 15503), (368, 15506), (373, 15518), (374, 15524), (390, 15572), (394, 15584), (395, 15590), (423, 15650), (427, 15662), (443, 15698), (445, 15710), (469, 15785), (471, 15794), (478, 15812), (479, 15818), (487, 15848), (529, 15953), (532, 15962), (533, 15965), (543, 16001), (562, 16079), (585, 16178), (592, 16199), (600, 16232), (609, 16262), (616, 16292), (619, 16301), (621, 16307), (631, 16322), (632, 16325), (637, 16346), (638, 16349), (652, 16391), (657, 16421), (667, 16463),

Gene: PMC_16 Start: 14790, Stop: 16499, Start Num: 83

Candidate Starts for PMC_16:

(Start: 83 @14790 has 222 MA's), (134, 14877), (Start: 158 @14922 has 2 MA's), (165, 14946), (184, 15003), (199, 15051), (201, 15057), (206, 15075), (215, 15105), (235, 15159), (254, 15210), (273, 15264), (276, 15270), (279, 15279), (287, 15300), (294, 15324), (305, 15360), (307, 15366), (319, 15399), (320, 15402), (322, 15411), (328, 15426), (331, 15432), (346, 15450), (350, 15465), (353, 15471), (359, 15489), (360, 15492), (367, 15507), (373, 15522), (374, 15528), (390, 15576), (394, 15588), (395, 15594), (423, 15654), (427, 15666), (443, 15702), (445, 15714), (469, 15789), (471, 15798), (478, 15816), (479, 15822), (487, 15852), (529, 15957), (533, 15969), (543, 16005), (562, 16083), (592, 16203), (600, 16236), (609, 16266), (611, 16278), (616, 16296), (618, 16302), (619, 16305), (621, 16311), (631, 16326), (632, 16329), (637, 16350), (638, 16353), (652, 16395), (657, 16425), (667, 16467), (668, 16473),

Gene: Pacc40_16 Start: 14976, Stop: 16685, Start Num: 83

Candidate Starts for Pacc40_16:

(Start: 83 @14976 has 222 MA's), (134, 15063), (Start: 158 @15108 has 2 MA's), (165, 15132), (199, 15237), (201, 15243), (206, 15261), (215, 15291), (254, 15396), (276, 15456), (284, 15477), (287, 15486), (294, 15510), (346, 15636), (350, 15651), (353, 15657), (367, 15693), (368, 15696), (373, 15708), (374, 15714), (390, 15762), (394, 15774), (395, 15780), (423, 15840), (427, 15852), (443, 15888), (445, 15900), (469, 15975), (471, 15984), (478, 16002), (479, 16008), (487, 16038), (529, 16143), (532, 16152), (533, 16155), (543, 16191), (562, 16269), (585, 16368), (592, 16389), (600, 16422), (609, 16452), (616, 16482), (619, 16491), (621, 16497), (631, 16512), (632, 16515), (637, 16536), (638, 16539), (652, 16581), (657, 16611), (667, 16653),

Gene: PaddyBaddy_25 Start: 19585, Stop: 21180, Start Num: 132

Candidate Starts for PaddyBaddy_25:

(Start: 87 @19501 has 85 MA's), (Start: 132 @19585 has 48 MA's), (Start: 167 @19663 has 1 MA's), (195, 19750), (201, 19765), (215, 19813), (229, 19852), (261, 19939), (274, 19972), (287, 20008), (295, 20038), (297, 20044), (321, 20113), (348, 20143), (351, 20155), (353, 20158), (374, 20215), (424, 20347), (426, 20353), (449, 20419), (451, 20425), (456, 20449), (471, 20497), (479, 20521), (481, 20530), (502, 20605), (532, 20656), (536, 20671), (578, 20833), (583, 20860), (592, 20890), (620, 20995), (650, 21073), (657, 21109), (660, 21118), (667, 21151), (673, 21166),

Gene: PaintedDog_18 Start: 15935, Stop: 17668, Start Num: 89

Candidate Starts for PaintedDog_18:

(Start: 89 @15935 has 6 MA's), (141, 16034), (146, 16043), (171, 16109), (182, 16133), (200, 16193), (201, 16196), (209, 16223), (273, 16403), (283, 16427), (287, 16439), (294, 16463), (346, 16589), (350, 16604), (368, 16649), (374, 16667), (445, 16853), (464, 16919), (469, 16928), (479, 16961), (532, 17105), (546, 17150), (570, 17252), (572, 17261), (576, 17279), (577, 17282), (616, 17441), (622, 17459), (631, 17495), (635, 17510), (650, 17558), (665, 17627),

Gene: Palpatine_24 Start: 19847, Stop: 21442, Start Num: 132

Candidate Starts for Palpatine_24:

(Start: 87 @19763 has 85 MA's), (Start: 132 @19847 has 48 MA's), (Start: 167 @19925 has 1 MA's), (195, 20012), (201, 20027), (215, 20075), (229, 20114), (261, 20201), (274, 20234), (287, 20270), (295, 20300), (297, 20306), (321, 20375), (348, 20405), (351, 20417), (353, 20420), (374, 20477), (424, 20609), (426, 20615), (449, 20681), (451, 20687), (456, 20711), (471, 20759), (479, 20783), (481, 20792), (502, 20867), (532, 20918), (536, 20933), (578, 21095), (583, 21122), (592, 21152), (620, 21257), (650, 21335), (657, 21371), (660, 21380), (667, 21413), (673, 21428),

Gene: Panchino_18 Start: 14966, Stop: 16675, Start Num: 86

Candidate Starts for Panchino_18:

(Start: 86 @14966 has 47 MA's), (104, 14993), (125, 15032), (Start: 158 @15098 has 2 MA's), (161, 15110), (171, 15146), (182, 15170), (190, 15197), (195, 15218), (199, 15227), (201, 15233), (211, 15266), (273, 15440), (276, 15446), (279, 15455), (283, 15464), (287, 15476), (294, 15500), (307, 15542), (319, 15575), (346, 15626), (347, 15629), (350, 15641), (367, 15683), (373, 15698), (374, 15704), (390, 15752), (406, 15806), (423, 15830), (448, 15902), (464, 15956), (469, 15965), (471, 15974), (479, 15998), (486, 16025), (487, 16028), (529, 16133), (532, 16142), (543, 16181), (563, 16262), (577, 16319), (585, 16358), (616, 16472), (631, 16502), (632, 16505), (638, 16529), (650, 16565),

Gene: PantheRoc_19 Start: 17095, Stop: 18693, Start Num: 99

Candidate Starts for PantheRoc_19:

(Start: 99 @17095 has 65 MA's), (214, 17353), (220, 17371), (221, 17374), (246, 17428), (269, 17503), (291, 17572), (294, 17581), (297, 17593), (301, 17605), (314, 17644), (328, 17671), (333, 17680),

(334, 17683), (381, 17716), (397, 17773), (423, 17839), (461, 17950), (484, 18010), (512, 18112), (534, 18169), (562, 18259), (624, 18499), (645, 18577),

Gene: Paperbeatsrock_26 Start: 20726, Stop: 22405, Start Num: 87

Candidate Starts for Paperbeatsrock_26:

(Start: 87 @20726 has 85 MA's), (Start: 132 @20810 has 48 MA's), (Start: 167 @20888 has 1 MA's), (195, 20975), (201, 20990), (215, 21038), (229, 21077), (261, 21164), (274, 21197), (287, 21233), (295, 21263), (297, 21269), (321, 21338), (348, 21368), (351, 21380), (353, 21383), (374, 21440), (424, 21572), (426, 21578), (449, 21644), (451, 21650), (456, 21674), (471, 21722), (479, 21746), (481, 21755), (502, 21830), (532, 21881), (536, 21896), (578, 22058), (583, 22085), (592, 22115), (620, 22220), (650, 22298), (657, 22334), (660, 22343), (667, 22376), (673, 22391),

Gene: Parmesanjohn_18 Start: 14989, Stop: 16698, Start Num: 86

Candidate Starts for Parmesanjohn_18:

(Start: 86 @14989 has 47 MA's), (104, 15016), (Start: 158 @15121 has 2 MA's), (161, 15133), (171, 15169), (190, 15220), (199, 15250), (201, 15256), (209, 15283), (211, 15289), (254, 15409), (273, 15463), (276, 15469), (283, 15487), (287, 15499), (288, 15502), (294, 15523), (307, 15565), (319, 15598), (346, 15649), (350, 15664), (367, 15706), (373, 15721), (374, 15727), (390, 15775), (396, 15799), (406, 15829), (423, 15853), (445, 15913), (448, 15925), (464, 15979), (469, 15988), (486, 16048), (487, 16051), (529, 16156), (532, 16165), (543, 16204), (577, 16342), (615, 16492), (616, 16495), (619, 16504), (631, 16525), (638, 16552), (650, 16588), (673, 16681),

Gene: Pat3_23 Start: 18472, Stop: 20151, Start Num: 87

Candidate Starts for Pat3_23:

(Start: 87 @18472 has 85 MA's), (Start: 132 @18556 has 48 MA's), (Start: 167 @18634 has 1 MA's), (195, 18721), (201, 18736), (215, 18784), (229, 18823), (261, 18910), (274, 18943), (287, 18979), (295, 19009), (297, 19015), (321, 19084), (348, 19114), (351, 19126), (353, 19129), (374, 19186), (424, 19318), (426, 19324), (449, 19390), (451, 19396), (456, 19420), (471, 19468), (479, 19492), (481, 19501), (502, 19576), (532, 19627), (536, 19642), (578, 19804), (583, 19831), (592, 19861), (620, 19966), (650, 20044), (657, 20080), (660, 20089), (667, 20122), (673, 20137),

Gene: Patio_44 Start: 30694, Stop: 32316, Start Num: 91

Candidate Starts for Patio_44:

(Start: 91 @30694 has 39 MA's), (153, 30811), (183, 30889), (246, 31051), (249, 31063), (253, 31078), (278, 31144), (283, 31159), (327, 31270), (340, 31300), (342, 31303), (374, 31360), (390, 31408), (396, 31432), (438, 31537), (463, 31624), (483, 31672), (517, 31798), (518, 31801), (534, 31834), (552, 31861), (560, 31891), (592, 32020), (601, 32059), (638, 32164), (655, 32227), (657, 32239), (661, 32251), (662, 32260), (673, 32296),

Gene: PatoPoderoso_16 Start: 14843, Stop: 16552, Start Num: 83

Candidate Starts for PatoPoderoso_16:

(Start: 83 @14843 has 222 MA's), (134, 14930), (Start: 158 @14975 has 2 MA's), (165, 14999), (199, 15104), (201, 15110), (206, 15128), (215, 15158), (254, 15263), (276, 15323), (284, 15344), (287, 15353), (292, 15371), (294, 15377), (346, 15503), (350, 15518), (353, 15524), (367, 15560), (368, 15563), (373, 15575), (374, 15581), (390, 15629), (394, 15641), (395, 15647), (423, 15707), (427, 15719), (443, 15755), (445, 15767), (469, 15842), (471, 15851), (478, 15869), (479, 15875), (487, 15905), (529, 16010), (532, 16019), (533, 16022), (543, 16058), (562, 16136), (585, 16235), (592, 16256), (600, 16289), (609, 16319), (616, 16349), (619, 16358), (621, 16364), (631, 16379), (632, 16382), (638, 16406), (648, 16436), (652, 16448), (657, 16478), (667, 16520),

Gene: PeanutPie_19 Start: 16392, Stop: 18128, Start Num: 80

Candidate Starts for PeanutPie_19:

(Start: 65 @16368 has 2 MA's), (Start: 80 @16392 has 48 MA's), (115, 16452), (125, 16473), (127, 16476), (176, 16596), (190, 16635), (200, 16668), (207, 16692), (250, 16812), (261, 16851), (263, 16857), (292, 16941), (294, 16947), (297, 16959), (305, 16983), (315, 17010), (321, 17028), (337, 17067), (346, 17073), (354, 17097), (374, 17151), (379, 17163), (382, 17172), (398, 17232), (430, 17310), (445, 17349), (453, 17382), (471, 17448), (477, 17463), (479, 17472), (485, 17496), (495, 17526), (499, 17538), (540, 17640), (546, 17652), (547, 17655), (548, 17661), (549, 17670), (576, 17778), (596, 17862), (625, 17961), (660, 18069), (673, 18117),

Gene: Pemberton_45 Start: 27895, Stop: 29499, Start Num: 99

Candidate Starts for Pemberton_45:

(Start: 91 @27883 has 39 MA's), (Start: 98 @27892 has 1 MA's), (Start: 99 @27895 has 65 MA's), (Start: 117 @27919 has 1 MA's), (153, 27997), (220, 28180), (246, 28237), (249, 28249), (253, 28264), (278, 28330), (283, 28345), (292, 28369), (327, 28456), (329, 28462), (340, 28486), (374, 28546), (385, 28576), (391, 28597), (428, 28702), (438, 28723), (463, 28810), (483, 28858), (517, 28984), (534, 29020), (585, 29185), (591, 29203), (600, 29239), (655, 29413), (657, 29425), (673, 29482),

Gene: Pepperoni_17 Start: 15014, Stop: 16723, Start Num: 100

Candidate Starts for Pepperoni_17:

(41, 14879), (Start: 100 @15014 has 33 MA's), (181, 15203), (182, 15206), (205, 15281), (225, 15335), (253, 15404), (283, 15494), (284, 15497), (333, 15629), (352, 15683), (380, 15764), (397, 15824), (398, 15830), (440, 15911), (463, 15989), (473, 16007), (485, 16046), (508, 16118), (509, 16121), (512, 16142), (583, 16376), (587, 16391), (598, 16433), (623, 16526), (624, 16529), (637, 16577), (645, 16607),

Gene: Peridot_18 Start: 14615, Stop: 16324, Start Num: 83

Candidate Starts for Peridot_18:

(Start: 83 @14615 has 222 MA's), (134, 14702), (Start: 158 @14747 has 2 MA's), (165, 14771), (199, 14876), (201, 14882), (206, 14900), (215, 14930), (254, 15035), (276, 15095), (284, 15116), (287, 15125), (294, 15149), (346, 15275), (350, 15290), (353, 15296), (367, 15332), (368, 15335), (373, 15347), (374, 15353), (390, 15401), (394, 15413), (395, 15419), (423, 15479), (427, 15491), (443, 15527), (445, 15539), (469, 15614), (471, 15623), (478, 15641), (479, 15647), (487, 15677), (529, 15782), (532, 15791), (533, 15794), (543, 15830), (562, 15908), (585, 16007), (592, 16028), (600, 16061), (609, 16091), (616, 16121), (619, 16130), (621, 16136), (631, 16151), (632, 16154), (638, 16178), (648, 16208), (652, 16220), (657, 16250), (667, 16292),

Gene: PeteyPab_33 Start: 29327, Stop: 30925, Start Num: 97

Candidate Starts for PeteyPab_33:

(Start: 97 @29327 has 8 MA's), (159, 29426), (183, 29495), (194, 29534), (244, 29669), (263, 29729), (329, 29882), (335, 29894), (339, 29903), (340, 29906), (370, 29951), (374, 29966), (378, 29975), (381, 29984), (396, 30038), (402, 30056), (425, 30110), (499, 30326), (528, 30419), (567, 30527), (580, 30581), (599, 30656), (639, 30785), (672, 30911),

Gene: Petra_21 Start: 17051, Stop: 18697, Start Num: 93

Candidate Starts for Petra_21:

(71, 17015), (Start: 93 @17051 has 51 MA's), (144, 17153), (173, 17231), (204, 17303), (219, 17330), (233, 17369), (255, 17429), (262, 17450), (283, 17504), (288, 17519), (298, 17552), (326, 17600), (331, 17603), (374, 17690), (385, 17720), (451, 17903), (456, 17927), (485, 18011), (502, 18071), (507, 18083), (520, 18143), (560, 18278), (583, 18377), (588, 18395), (601, 18446), (622, 18506), (624, 18512), (643, 18575), (648, 18587),

Gene: Petra64142_26 Start: 20290, Stop: 21885, Start Num: 132

Candidate Starts for Petra64142_26:

(Start: 87 @20206 has 85 MA's), (Start: 132 @20290 has 48 MA's), (Start: 167 @20368 has 1 MA's), (195, 20455), (201, 20470), (215, 20518), (229, 20557), (261, 20644), (274, 20677), (287, 20713), (295, 20743), (297, 20749), (321, 20818), (348, 20848), (351, 20860), (353, 20863), (374, 20920), (424, 21052), (426, 21058), (449, 21124), (451, 21130), (456, 21154), (471, 21202), (479, 21226), (481, 21235), (502, 21310), (532, 21361), (536, 21376), (578, 21538), (583, 21565), (592, 21595), (620, 21700), (650, 21778), (657, 21814), (660, 21823), (667, 21856), (673, 21871),

Gene: Phaja_24 Start: 20006, Stop: 21601, Start Num: 132

Candidate Starts for Phaja_24:

(Start: 87 @19922 has 85 MA's), (Start: 132 @20006 has 48 MA's), (Start: 167 @20084 has 1 MA's), (195, 20171), (201, 20186), (215, 20234), (229, 20273), (261, 20360), (274, 20393), (287, 20429), (295, 20459), (297, 20465), (321, 20534), (348, 20564), (351, 20576), (353, 20579), (374, 20636), (424, 20768), (426, 20774), (449, 20840), (451, 20846), (456, 20870), (471, 20918), (479, 20942), (481, 20951), (502, 21026), (532, 21077), (536, 21092), (578, 21254), (583, 21281), (592, 21311), (620, 21416), (650, 21494), (657, 21530), (660, 21539), (667, 21572), (673, 21587),

Gene: Phalconet_16 Start: 14857, Stop: 16566, Start Num: 83

Candidate Starts for Phalconet_16:

(Start: 83 @14857 has 222 MA's), (134, 14944), (Start: 158 @14989 has 2 MA's), (165, 15013), (199, 15118), (201, 15124), (206, 15142), (215, 15172), (254, 15277), (276, 15337), (284, 15358), (287, 15367), (294, 15391), (346, 15517), (350, 15532), (353, 15538), (367, 15574), (368, 15577), (373, 15589), (374, 15595), (390, 15643), (394, 15655), (395, 15661), (423, 15721), (427, 15733), (443, 15769), (445, 15781), (469, 15856), (471, 15865), (478, 15883), (479, 15889), (487, 15919), (529, 16024), (532, 16033), (533, 16036), (543, 16072), (562, 16150), (585, 16249), (592, 16270), (600, 16303), (616, 16363), (619, 16372), (621, 16378), (631, 16393), (632, 16396), (638, 16420), (648, 16450), (652, 16462), (657, 16492), (667, 16534),

Gene: Phalm_19 Start: 16273, Stop: 18009, Start Num: 80

Candidate Starts for Phalm_19:

(Start: 65 @16249 has 2 MA's), (Start: 80 @16273 has 48 MA's), (115, 16333), (125, 16354), (127, 16357), (176, 16477), (190, 16516), (200, 16549), (207, 16573), (250, 16693), (261, 16732), (263, 16738), (292, 16822), (294, 16828), (297, 16840), (305, 16864), (315, 16891), (321, 16909), (337, 16948), (346, 16954), (354, 16978), (374, 17032), (379, 17044), (382, 17053), (398, 17113), (430, 17191), (445, 17230), (453, 17263), (471, 17329), (479, 17353), (485, 17377), (495, 17407), (540, 17521), (546, 17533), (548, 17542), (549, 17551), (576, 17659), (596, 17743), (625, 17842), (660, 17950), (673, 17998),

Gene: PhancyPhin_18 Start: 14990, Stop: 16699, Start Num: 86

Candidate Starts for PhancyPhin_18:

(Start: 86 @14990 has 47 MA's), (104, 15017), (125, 15056), (Start: 158 @15122 has 2 MA's), (161, 15134), (171, 15170), (182, 15194), (190, 15221), (195, 15242), (199, 15251), (201, 15257), (211, 15290), (273, 15464), (276, 15470), (279, 15479), (283, 15488), (287, 15500), (294, 15524), (307, 15566), (319, 15599), (346, 15650), (347, 15653), (350, 15665), (367, 15707), (373, 15722), (374, 15728), (390, 15776), (406, 15830), (423, 15854), (448, 15926), (464, 15980), (469, 15989), (471, 15998), (479, 16022), (486, 16049), (487, 16052), (529, 16157), (532, 16166), (543, 16205), (563, 16286), (577, 16343), (585, 16382), (616, 16496), (631, 16526), (632, 16529), (638, 16553), (650, 16589),

Gene: Phanphagia_16 Start: 14859, Stop: 16568, Start Num: 83

Candidate Starts for Phanphagia_16:

(Start: 83 @14859 has 222 MA's), (134, 14946), (Start: 158 @14991 has 2 MA's), (165, 15015), (199, 15120), (201, 15126), (206, 15144), (215, 15174), (254, 15279), (276, 15339), (284, 15360), (287, 15369), (294, 15393), (319, 15468), (320, 15471), (346, 15519), (350, 15534), (353, 15540), (367,

15576), (368, 15579), (373, 15591), (374, 15597), (390, 15645), (394, 15657), (395, 15663), (423, 15723), (427, 15735), (443, 15771), (445, 15783), (469, 15858), (471, 15867), (478, 15885), (479, 15891), (487, 15921), (529, 16026), (532, 16035), (533, 16038), (543, 16074), (562, 16152), (585, 16251), (592, 16272), (600, 16305), (609, 16335), (616, 16365), (619, 16374), (621, 16380), (631, 16395), (632, 16398), (638, 16422), (648, 16452), (652, 16464), (657, 16494), (667, 16536),

Gene: PhaoMing_17 Start: 15617, Stop: 17380, Start Num: 53

Candidate Starts for PhaoMing_17:

(52, 15608), (53, 15617), (Start: 97 @15704 has 8 MA's), (Start: 117 @15740 has 1 MA's), (138, 15791), (150, 15815), (154, 15821), (172, 15881), (177, 15896), (206, 15971), (208, 15977), (232, 16046), (247, 16076), (253, 16103), (255, 16109), (265, 16139), (271, 16157), (282, 16184), (285, 16193), (290, 16208), (291, 16214), (300, 16244), (345, 16286), (351, 16307), (354, 16313), (356, 16325), (382, 16391), (390, 16418), (391, 16421), (441, 16547), (454, 16607), (466, 16643), (484, 16703), (485, 16706), (491, 16724), (495, 16733), (511, 16799), (555, 16922), (561, 16955), (565, 16970), (568, 16979), (579, 17027), (586, 17057), (601, 17114), (602, 17117), (603, 17126), (616, 17168), (631, 17213), (633, 17219), (639, 17243), (641, 17249), (647, 17270), (660, 17324), (665, 17348), (669, 17366), (675, 17375),

Gene: Pharsalus_25 Start: 20526, Stop: 22205, Start Num: 87

Candidate Starts for Pharsalus_25:

(Start: 87 @20526 has 85 MA's), (Start: 132 @20610 has 48 MA's), (Start: 167 @20688 has 1 MA's), (195, 20775), (201, 20790), (215, 20838), (229, 20877), (261, 20964), (274, 20997), (287, 21033), (295, 21063), (297, 21069), (321, 21138), (348, 21168), (351, 21180), (353, 21183), (374, 21240), (424, 21372), (426, 21378), (449, 21444), (451, 21450), (456, 21474), (471, 21522), (479, 21546), (481, 21555), (502, 21630), (532, 21681), (536, 21696), (578, 21858), (583, 21885), (592, 21915), (620, 22020), (650, 22098), (657, 22134), (660, 22143), (667, 22176), (673, 22191),

Gene: Phasih_17 Start: 15342, Stop: 17051, Start Num: 83

Candidate Starts for Phasih_17:

(Start: 83 @15342 has 222 MA's), (134, 15429), (Start: 158 @15474 has 2 MA's), (165, 15498), (199, 15603), (201, 15609), (206, 15627), (215, 15657), (254, 15762), (273, 15816), (276, 15822), (279, 15831), (284, 15843), (287, 15852), (294, 15876), (305, 15912), (307, 15918), (311, 15930), (319, 15951), (320, 15954), (322, 15963), (328, 15978), (331, 15984), (346, 16002), (350, 16017), (353, 16023), (359, 16041), (360, 16044), (367, 16059), (373, 16074), (374, 16080), (385, 16110), (390, 16128), (394, 16140), (395, 16146), (423, 16206), (427, 16218), (443, 16254), (445, 16266), (451, 16287), (469, 16341), (471, 16350), (479, 16374), (487, 16404), (529, 16509), (533, 16521), (543, 16557), (554, 16596), (562, 16635), (585, 16734), (592, 16755), (600, 16788), (609, 16818), (616, 16848), (619, 16857), (621, 16863), (631, 16878), (632, 16881), (637, 16902), (638, 16905), (652, 16947), (657, 16977), (667, 17019), (668, 17025),

Gene: PhatBacter_24 Start: 19774, Stop: 21453, Start Num: 87

Candidate Starts for PhatBacter_24:

(Start: 87 @19774 has 85 MA's), (Start: 132 @19858 has 48 MA's), (Start: 167 @19936 has 1 MA's), (195, 20023), (201, 20038), (215, 20086), (229, 20125), (261, 20212), (274, 20245), (287, 20281), (295, 20311), (297, 20317), (321, 20386), (348, 20416), (351, 20428), (353, 20431), (374, 20488), (424, 20620), (426, 20626), (449, 20692), (451, 20698), (456, 20722), (471, 20770), (479, 20794), (481, 20803), (502, 20878), (532, 20929), (536, 20944), (578, 21106), (583, 21133), (592, 21163), (620, 21268), (650, 21346), (657, 21382), (660, 21391), (667, 21424), (673, 21439),

Gene: Phatniss_17 Start: 15310, Stop: 17019, Start Num: 83

Candidate Starts for Phatniss_17:

(Start: 83 @15310 has 222 MA's), (134, 15397), (Start: 158 @15442 has 2 MA's), (165, 15466), (184, 15523), (199, 15571), (201, 15577), (206, 15595), (215, 15625), (254, 15730), (273, 15784), (276,

15790), (279, 15799), (284, 15811), (287, 15820), (294, 15844), (305, 15880), (307, 15886), (311, 15898), (319, 15919), (320, 15922), (322, 15931), (328, 15946), (331, 15952), (346, 15970), (350, 15985), (353, 15991), (359, 16009), (360, 16012), (367, 16027), (373, 16042), (374, 16048), (385, 16078), (390, 16096), (394, 16108), (395, 16114), (423, 16174), (427, 16186), (443, 16222), (445, 16234), (451, 16255), (469, 16309), (471, 16318), (479, 16342), (487, 16372), (529, 16477), (533, 16489), (543, 16525), (554, 16564), (562, 16603), (585, 16702), (592, 16723), (600, 16756), (609, 16786), (616, 16816), (619, 16825), (621, 16831), (631, 16846), (632, 16849), (637, 16870), (638, 16873), (652, 16915), (657, 16945), (667, 16987), (668, 16993),

Gene: Phauci_26 Start: 25726, Stop: 27351, Start Num: 90

Candidate Starts for Phauci_26:

(Start: 90 @25726 has 22 MA's), (Start: 99 @25738 has 65 MA's), (118, 25771), (121, 25780), (128, 25792), (138, 25822), (186, 25939), (190, 25951), (220, 26026), (247, 26086), (254, 26116), (354, 26323), (366, 26353), (382, 26398), (398, 26458), (423, 26506), (448, 26578), (456, 26611), (457, 26614), (473, 26653), (484, 26692), (507, 26779), (508, 26782), (534, 26860), (559, 26920), (570, 26965), (588, 27046), (602, 27100), (635, 27196), (667, 27325), (673, 27340),

Gene: Phaux_23 Start: 19772, Stop: 21451, Start Num: 87

Candidate Starts for Phaux_23:

(Start: 87 @19772 has 85 MA's), (Start: 132 @19856 has 48 MA's), (Start: 167 @19934 has 1 MA's), (195, 20021), (201, 20036), (215, 20084), (229, 20123), (261, 20210), (274, 20243), (287, 20279), (295, 20309), (297, 20315), (321, 20384), (348, 20414), (351, 20426), (353, 20429), (374, 20486), (424, 20618), (426, 20624), (449, 20690), (451, 20696), (456, 20720), (471, 20768), (479, 20792), (481, 20801), (502, 20876), (532, 20927), (536, 20942), (578, 21104), (583, 21131), (592, 21161), (620, 21266), (650, 21344), (657, 21380), (660, 21389), (667, 21422), (673, 21437),

Gene: Phayonce_18 Start: 16079, Stop: 17815, Start Num: 80

Candidate Starts for Phayonce_18:

(Start: 80 @16079 has 48 MA's), (125, 16160), (127, 16163), (152, 16214), (154, 16217), (Start: 158 @16226 has 2 MA's), (176, 16283), (190, 16322), (195, 16343), (200, 16355), (206, 16376), (207, 16379), (209, 16385), (250, 16499), (261, 16538), (263, 16544), (301, 16658), (319, 16709), (321, 16715), (337, 16754), (346, 16760), (354, 16784), (374, 16838), (379, 16850), (382, 16859), (398, 16919), (430, 16997), (445, 17036), (471, 17135), (479, 17159), (485, 17183), (495, 17213), (540, 17327), (546, 17339), (548, 17348), (549, 17357), (576, 17465), (615, 17618), (625, 17648), (667, 17789), (673, 17804),

Gene: Phegasus_19 Start: 16391, Stop: 18127, Start Num: 80

Candidate Starts for Phegasus_19:

(Start: 80 @16391 has 48 MA's), (125, 16472), (127, 16475), (152, 16526), (173, 16589), (176, 16595), (190, 16634), (200, 16667), (207, 16691), (250, 16811), (253, 16826), (261, 16850), (263, 16856), (292, 16940), (305, 16982), (319, 17021), (321, 17027), (337, 17066), (346, 17072), (354, 17096), (374, 17150), (382, 17171), (398, 17231), (430, 17309), (445, 17348), (453, 17381), (471, 17447), (479, 17471), (485, 17495), (495, 17525), (499, 17537), (540, 17639), (546, 17651), (547, 17654), (548, 17660), (549, 17669), (576, 17777), (596, 17861), (625, 17960), (648, 18017), (660, 18068), (673, 18116),

Gene: Phendrix_87 Start: 52198, Stop: 53814, Start Num: 92

Candidate Starts for Phendrix_87:

(Start: 92 @52198 has 11 MA's), (Start: 99 @52204 has 65 MA's), (138, 52288), (Start: 167 @52357 has 1 MA's), (181, 52387), (182, 52390), (191, 52420), (205, 52459), (271, 52630), (281, 52654), (287, 52672), (292, 52690), (302, 52720), (351, 52786), (353, 52789), (366, 52822), (386, 52879), (390, 52894), (391, 52897), (392, 52900), (422, 52972), (427, 52987), (433, 53002), (443, 53023), (446, 53038), (490, 53182), (495, 53203), (499, 53218), (517, 53296), (533, 53323), (534, 53329), (559,

53389), (570, 53434), (583, 53491), (585, 53500), (592, 53521), (601, 53560), (620, 53614), (635, 53659), (637, 53668),

Gene: PhesterPhotato_16 Start: 14827, Stop: 16536, Start Num: 83

Candidate Starts for PhesterPhotato_16:

(Start: 83 @14827 has 222 MA's), (134, 14914), (Start: 158 @14959 has 2 MA's), (165, 14983), (199, 15088), (201, 15094), (206, 15112), (215, 15142), (254, 15247), (276, 15307), (284, 15328), (287, 15337), (294, 15361), (346, 15487), (350, 15502), (353, 15508), (367, 15544), (368, 15547), (373, 15559), (374, 15565), (390, 15613), (394, 15625), (395, 15631), (423, 15691), (427, 15703), (443, 15739), (445, 15751), (469, 15826), (471, 15835), (478, 15853), (479, 15859), (487, 15889), (529, 15994), (532, 16003), (533, 16006), (543, 16042), (562, 16120), (585, 16219), (592, 16240), (600, 16273), (609, 16303), (616, 16333), (619, 16342), (621, 16348), (631, 16363), (632, 16366), (638, 16390), (648, 16420), (652, 16432), (657, 16462), (667, 16504),

Gene: Philonius_18 Start: 14989, Stop: 16698, Start Num: 86

Candidate Starts for Philonius_18:

(Start: 86 @14989 has 47 MA's), (104, 15016), (Start: 158 @15121 has 2 MA's), (161, 15133), (171, 15169), (190, 15220), (199, 15250), (201, 15256), (209, 15283), (211, 15289), (254, 15409), (273, 15463), (276, 15469), (283, 15487), (287, 15499), (288, 15502), (294, 15523), (307, 15565), (319, 15598), (346, 15649), (350, 15664), (367, 15706), (373, 15721), (374, 15727), (390, 15775), (396, 15799), (406, 15829), (423, 15853), (445, 15913), (448, 15925), (464, 15979), (469, 15988), (486, 16048), (487, 16051), (529, 16156), (532, 16165), (543, 16204), (577, 16342), (615, 16492), (616, 16495), (619, 16504), (631, 16525), (638, 16552), (650, 16588), (673, 16681),

Gene: Philus_16 Start: 14812, Stop: 16521, Start Num: 83

Candidate Starts for Philus_16:

(Start: 83 @14812 has 222 MA's), (134, 14899), (Start: 158 @14944 has 2 MA's), (165, 14968), (184, 15025), (199, 15073), (201, 15079), (206, 15097), (215, 15127), (254, 15232), (273, 15286), (276, 15292), (279, 15301), (287, 15322), (294, 15346), (305, 15382), (307, 15388), (319, 15421), (320, 15424), (322, 15433), (328, 15448), (331, 15454), (346, 15472), (350, 15487), (353, 15493), (359, 15511), (360, 15514), (367, 15529), (373, 15544), (374, 15550), (390, 15598), (394, 15610), (395, 15616), (423, 15676), (427, 15688), (443, 15724), (445, 15736), (469, 15811), (471, 15820), (478, 15838), (479, 15844), (487, 15874), (529, 15979), (533, 15991), (543, 16027), (562, 16105), (592, 16225), (600, 16258), (609, 16288), (611, 16300), (616, 16318), (618, 16324), (619, 16327), (621, 16333), (631, 16348), (632, 16351), (637, 16372), (638, 16375), (652, 16417), (657, 16447), (667, 16489), (668, 16495),

Gene: Phinally_33 Start: 29134, Stop: 30759, Start Num: 90

Candidate Starts for Phinally_33:

(Start: 60 @29077 has 1 MA's), (Start: 90 @29134 has 22 MA's), (Start: 99 @29146 has 65 MA's), (118, 29179), (121, 29188), (128, 29200), (138, 29230), (156, 29263), (186, 29347), (190, 29359), (220, 29434), (247, 29494), (254, 29524), (354, 29731), (366, 29761), (381, 29803), (382, 29806), (398, 29866), (423, 29914), (448, 29986), (456, 30019), (457, 30022), (473, 30061), (484, 30100), (507, 30187), (508, 30190), (534, 30268), (559, 30328), (570, 30373), (588, 30454), (602, 30508), (635, 30604), (667, 30733), (673, 30748),

Gene: Phineas_19 Start: 16382, Stop: 18118, Start Num: 80

Candidate Starts for Phineas_19:

(Start: 65 @16358 has 2 MA's), (Start: 80 @16382 has 48 MA's), (115, 16442), (125, 16463), (127, 16466), (176, 16586), (190, 16625), (200, 16658), (207, 16682), (250, 16802), (261, 16841), (263, 16847), (292, 16931), (294, 16937), (297, 16949), (305, 16973), (315, 17000), (321, 17018), (337, 17057), (346, 17063), (354, 17087), (374, 17141), (379, 17153), (382, 17162), (398, 17222), (430, 17300), (445, 17339), (453, 17372), (471, 17438), (477, 17453), (479, 17462), (485, 17486), (495,

17516), (499, 17528), (540, 17630), (546, 17642), (547, 17645), (548, 17651), (549, 17660), (576, 17768), (596, 17852), (625, 17951), (660, 18059), (673, 18107),

Gene: PhinkBoden_48 Start: 29995, Stop: 31686, Start Num: 74

Candidate Starts for PhinkBoden_48:

(Start: 74 @29995 has 17 MA's), (110, 30055), (129, 30088), (139, 30121), (190, 30247), (201, 30280), (204, 30289), (255, 30418), (272, 30466), (374, 30679), (376, 30685), (385, 30709), (433, 30838), (443, 30859), (451, 30892), (502, 31090), (560, 31243), (583, 31342), (586, 31354), (589, 31363), (614, 31447), (658, 31594), (666, 31630), (669, 31642),

Gene: Phishy_22 Start: 18770, Stop: 20428, Start Num: 81

Candidate Starts for Phishy_22:

(29, 18581), (37, 18641), (62, 18734), (Start: 81 @18770 has 2 MA's), (Start: 88 @18782 has 5 MA's), (144, 18896), (148, 18902), (175, 18980), (197, 19046), (199, 19052), (243, 19163), (248, 19172), (253, 19199), (256, 19208), (263, 19229), (350, 19400), (351, 19403), (376, 19469), (382, 19484), (409, 19568), (418, 19577), (433, 19619), (443, 19640), (454, 19688), (457, 19700), (467, 19727), (489, 19796), (506, 19865), (513, 19898), (536, 19955), (559, 20006), (576, 20075), (597, 20162), (601, 20177), (621, 20234), (624, 20243), (649, 20321), (651, 20327),

Gene: PhilipPhlop_16 Start: 14759, Stop: 16468, Start Num: 83

Candidate Starts for PhilipPhlop_16:

(Start: 83 @14759 has 222 MA's), (134, 14846), (Start: 158 @14891 has 2 MA's), (165, 14915), (199, 15020), (201, 15026), (206, 15044), (215, 15074), (254, 15179), (276, 15239), (283, 15257), (284, 15260), (287, 15269), (294, 15293), (346, 15419), (350, 15434), (353, 15440), (367, 15476), (368, 15479), (373, 15491), (374, 15497), (390, 15545), (394, 15557), (395, 15563), (423, 15623), (427, 15635), (443, 15671), (445, 15683), (469, 15758), (471, 15767), (478, 15785), (479, 15791), (487, 15821), (529, 15926), (533, 15938), (543, 15974), (562, 16052), (592, 16172), (600, 16205), (609, 16235), (611, 16247), (616, 16265), (618, 16271), (619, 16274), (621, 16280), (631, 16295), (632, 16298), (637, 16319), (638, 16322), (652, 16364), (657, 16394), (667, 16436), (668, 16442),

Gene: Phloss_18 Start: 14989, Stop: 16698, Start Num: 86

Candidate Starts for Phloss_18:

(Start: 86 @14989 has 47 MA's), (104, 15016), (Start: 158 @15121 has 2 MA's), (161, 15133), (171, 15169), (190, 15220), (199, 15250), (201, 15256), (209, 15283), (211, 15289), (254, 15409), (273, 15463), (276, 15469), (283, 15487), (287, 15499), (288, 15502), (294, 15523), (307, 15565), (319, 15598), (346, 15649), (350, 15664), (367, 15706), (373, 15721), (374, 15727), (390, 15775), (396, 15799), (406, 15829), (423, 15853), (445, 15913), (448, 15925), (464, 15979), (469, 15988), (486, 16048), (487, 16051), (529, 16156), (532, 16165), (543, 16204), (577, 16342), (615, 16492), (616, 16495), (619, 16504), (631, 16525), (638, 16552), (650, 16588), (673, 16681),

Gene: Phoebus_36 Start: 27621, Stop: 29619, Start Num: 84

Candidate Starts for Phoebus_36:

(Start: 84 @27621 has 30 MA's), (Start: 132 @27711 has 48 MA's), (155, 27759), (165, 27789), (207, 27918), (216, 27948), (252, 28047), (263, 28083), (274, 28110), (297, 28182), (300, 28191), (307, 28212), (331, 28281), (353, 28320), (354, 28323), (359, 28338), (374, 28377), (390, 28425), (394, 28437), (395, 28443), (413, 28491), (416, 28500), (424, 28521), (430, 28539), (447, 28587), (478, 28689), (499, 28761), (510, 28806), (512, 28818), (522, 28953), (523, 28959), (524, 28983), (525, 29055), (527, 29082), (593, 29331),

Gene: Phomeo_40 Start: 30475, Stop: 32088, Start Num: 91

Candidate Starts for Phomeo_40:

(Start: 91 @30475 has 39 MA's), (Start: 117 @30511 has 1 MA's), (124, 30529), (153, 30589), (246, 30829), (249, 30841), (253, 30856), (278, 30922), (283, 30937), (292, 30961), (293, 30964), (327,

31048), (340, 31078), (342, 31081), (374, 31138), (390, 31186), (391, 31189), (396, 31210), (438, 31315), (451, 31360), (463, 31402), (517, 31576), (533, 31606), (534, 31612), (572, 31720), (573, 31723), (592, 31798), (657, 32017), (673, 32074),

Gene: PhorbesPhlower_18 Start: 15153, Stop: 16865, Start Num: 51

Candidate Starts for PhorbesPhlower_18:

(Start: 51 @15153 has 25 MA's), (53, 15165), (Start: 67 @15207 has 29 MA's), (126, 15309), (169, 15381), (208, 15462), (227, 15513), (238, 15546), (253, 15588), (255, 15594), (271, 15642), (290, 15693), (300, 15729), (345, 15771), (351, 15792), (354, 15798), (361, 15822), (381, 15873), (382, 15876), (391, 15906), (495, 16218), (511, 16284), (518, 16314), (555, 16407), (559, 16428), (561, 16440), (563, 16446), (564, 16452), (566, 16458), (579, 16512), (586, 16542), (603, 16611), (631, 16698), (633, 16704), (639, 16728), (647, 16755),

Gene: Phrann_18 Start: 14993, Stop: 16702, Start Num: 86

Candidate Starts for Phrann_18:

(Start: 86 @14993 has 47 MA's), (104, 15020), (125, 15059), (Start: 158 @15125 has 2 MA's), (161, 15137), (171, 15173), (182, 15197), (190, 15224), (195, 15245), (199, 15254), (201, 15260), (211, 15293), (273, 15467), (276, 15473), (279, 15482), (283, 15491), (287, 15503), (294, 15527), (307, 15569), (319, 15602), (346, 15653), (347, 15656), (350, 15668), (367, 15710), (373, 15725), (374, 15731), (390, 15779), (406, 15833), (423, 15857), (448, 15929), (464, 15983), (469, 15992), (471, 16001), (479, 16025), (486, 16052), (487, 16055), (529, 16160), (532, 16169), (543, 16208), (563, 16289), (577, 16346), (585, 16385), (616, 16499), (631, 16529), (632, 16532), (638, 16556), (650, 16592),

Gene: PhriskyACE_19 Start: 16822, Stop: 18402, Start Num: 99

Candidate Starts for PhriskyACE_19:

(7, 16045), (12, 16201), (17, 16396), (18, 16432), (19, 16435), (24, 16519), (26, 16525), (33, 16651), (46, 16705), (Start: 99 @16822 has 65 MA's), (184, 16993), (214, 17080), (220, 17098), (221, 17101), (246, 17155), (257, 17194), (275, 17251), (283, 17272), (381, 17443), (387, 17461), (394, 17485), (398, 17506), (423, 17548), (451, 17629), (484, 17719), (512, 17821), (534, 17878), (562, 17968), (635, 18247), (637, 18256), (645, 18286),

Gene: PhrostedPhlake_20 Start: 17026, Stop: 18672, Start Num: 93

Candidate Starts for PhrostedPhlake_20:

(71, 16990), (Start: 93 @17026 has 51 MA's), (144, 17128), (161, 17164), (173, 17206), (200, 17266), (219, 17305), (233, 17344), (251, 17389), (255, 17404), (262, 17425), (283, 17479), (288, 17494), (374, 17665), (385, 17695), (451, 17878), (456, 17902), (502, 18046), (507, 18058), (520, 18118), (559, 18250), (560, 18253), (583, 18352), (588, 18370), (601, 18421), (622, 18481), (624, 18487), (643, 18550), (648, 18562),

Gene: Phrux_24 Start: 19487, Stop: 21166, Start Num: 87

Candidate Starts for Phrux_24:

(Start: 87 @19487 has 85 MA's), (Start: 132 @19571 has 48 MA's), (Start: 167 @19649 has 1 MA's), (195, 19736), (201, 19751), (215, 19799), (229, 19838), (261, 19925), (274, 19958), (287, 19994), (295, 20024), (297, 20030), (321, 20099), (348, 20129), (351, 20141), (353, 20144), (374, 20201), (424, 20333), (426, 20339), (449, 20405), (451, 20411), (456, 20435), (471, 20483), (479, 20507), (481, 20516), (502, 20591), (532, 20642), (536, 20657), (578, 20819), (583, 20846), (592, 20876), (620, 20981), (650, 21059), (657, 21095), (660, 21104), (667, 21137), (673, 21152),

Gene: Pickett_17 Start: 14682, Stop: 16391, Start Num: 100

Candidate Starts for Pickett_17:

(41, 14547), (Start: 100 @14682 has 33 MA's), (157, 14799), (181, 14871), (182, 14874), (192, 14910), (205, 14949), (214, 14970), (253, 15072), (283, 15162), (284, 15165), (333, 15297), (352, 15351),

(369, 15402), (380, 15432), (397, 15492), (400, 15504), (423, 15540), (440, 15579), (451, 15621), (463, 15657), (473, 15675), (479, 15690), (485, 15714), (508, 15786), (512, 15810), (554, 15918), (583, 16044), (587, 16059), (598, 16101), (623, 16194), (624, 16197), (637, 16245), (645, 16275), (652, 16293), (653, 16305), (662, 16344),

Gene: Piper2020_17 Start: 14677, Stop: 16386, Start Num: 83

Candidate Starts for Piper2020_17:

(Start: 83 @14677 has 222 MA's), (134, 14764), (Start: 158 @14809 has 2 MA's), (165, 14833), (199, 14938), (201, 14944), (206, 14962), (215, 14992), (254, 15097), (276, 15157), (279, 15166), (283, 15175), (284, 15178), (287, 15187), (294, 15211), (319, 15286), (322, 15298), (328, 15313), (331, 15319), (346, 15337), (350, 15352), (353, 15358), (359, 15376), (360, 15379), (367, 15394), (373, 15409), (374, 15415), (390, 15463), (394, 15475), (395, 15481), (423, 15541), (427, 15553), (443, 15589), (445, 15601), (451, 15622), (469, 15676), (471, 15685), (478, 15703), (479, 15709), (487, 15739), (529, 15844), (533, 15856), (543, 15892), (562, 15970), (585, 16069), (600, 16123), (609, 16153), (611, 16165), (616, 16183), (618, 16189), (619, 16192), (621, 16198), (631, 16213), (632, 16216), (637, 16237), (638, 16240), (648, 16270), (652, 16282), (667, 16354),

Gene: Pipp_19 Start: 16644, Stop: 18290, Start Num: 93

Candidate Starts for Pipp_19:

(71, 16608), (Start: 93 @16644 has 51 MA's), (144, 16746), (173, 16824), (219, 16923), (233, 16962), (262, 17043), (283, 17097), (288, 17112), (347, 17208), (374, 17283), (385, 17313), (451, 17496), (456, 17520), (475, 17571), (502, 17664), (507, 17676), (516, 17721), (520, 17736), (559, 17868), (560, 17871), (583, 17970), (588, 17988), (601, 18039), (622, 18099), (624, 18105), (643, 18168), (648, 18180),

Gene: Pippy_16 Start: 14798, Stop: 16507, Start Num: 83

Candidate Starts for Pippy_16:

(Start: 83 @14798 has 222 MA's), (134, 14885), (Start: 158 @14930 has 2 MA's), (165, 14954), (199, 15059), (201, 15065), (206, 15083), (215, 15113), (254, 15218), (276, 15278), (284, 15299), (287, 15308), (294, 15332), (346, 15458), (350, 15473), (353, 15479), (367, 15515), (368, 15518), (373, 15530), (374, 15536), (390, 15584), (394, 15596), (395, 15602), (423, 15662), (427, 15674), (443, 15710), (445, 15722), (469, 15797), (471, 15806), (478, 15824), (479, 15830), (487, 15860), (529, 15965), (532, 15974), (533, 15977), (543, 16013), (562, 16091), (585, 16190), (592, 16211), (600, 16244), (609, 16274), (616, 16304), (619, 16313), (621, 16319), (631, 16334), (632, 16337), (638, 16361), (648, 16391), (652, 16403), (657, 16433), (667, 16475),

Gene: Pipsqueaks_18 Start: 14989, Stop: 16698, Start Num: 86

Candidate Starts for Pipsqueaks_18:

(Start: 86 @14989 has 47 MA's), (104, 15016), (Start: 158 @15121 has 2 MA's), (161, 15133), (171, 15169), (190, 15220), (199, 15250), (201, 15256), (209, 15283), (211, 15289), (254, 15409), (273, 15463), (276, 15469), (283, 15487), (287, 15499), (288, 15502), (294, 15523), (307, 15565), (319, 15598), (346, 15649), (350, 15664), (367, 15706), (373, 15721), (374, 15727), (390, 15775), (396, 15799), (406, 15829), (423, 15853), (445, 15913), (448, 15925), (464, 15979), (469, 15988), (486, 16048), (487, 16051), (529, 16156), (532, 16165), (543, 16204), (577, 16342), (615, 16492), (616, 16495), (619, 16504), (631, 16525), (638, 16552), (650, 16588), (673, 16681),

Gene: Pleakley_50 Start: 30683, Stop: 32302, Start Num: 91

Candidate Starts for Pleakley_50:

(Start: 91 @30683 has 39 MA's), (Start: 100 @30698 has 33 MA's), (124, 30737), (153, 30797), (184, 30881), (253, 31064), (278, 31130), (283, 31145), (295, 31181), (327, 31256), (340, 31286), (342, 31289), (346, 31307), (374, 31346), (385, 31376), (453, 31580), (463, 31610), (483, 31658), (484, 31661), (517, 31784), (534, 31820), (592, 32006), (641, 32159), (655, 32213), (657, 32225), (661, 32237), (673, 32282),

Gene: Plumbus_17 Start: 14635, Stop: 16344, Start Num: 83

Candidate Starts for Plumbus_17:

(Start: 83 @14635 has 222 MA's), (134, 14722), (Start: 158 @14767 has 2 MA's), (165, 14791), (170, 14812), (199, 14896), (201, 14902), (206, 14920), (215, 14950), (254, 15055), (276, 15115), (284, 15136), (287, 15145), (294, 15169), (346, 15295), (350, 15310), (353, 15316), (367, 15352), (368, 15355), (373, 15367), (374, 15373), (390, 15421), (394, 15433), (395, 15439), (423, 15499), (427, 15511), (443, 15547), (445, 15559), (469, 15634), (471, 15643), (478, 15661), (479, 15667), (487, 15697), (529, 15802), (532, 15811), (533, 15814), (543, 15850), (562, 15928), (585, 16027), (592, 16048), (600, 16081), (609, 16111), (616, 16141), (619, 16150), (621, 16156), (631, 16171), (632, 16174), (638, 16198), (648, 16228), (652, 16240), (657, 16270), (667, 16312),

Gene: Poenanya_16 Start: 14940, Stop: 16649, Start Num: 83

Candidate Starts for Poenanya_16:

(Start: 83 @14940 has 222 MA's), (134, 15027), (Start: 158 @15072 has 2 MA's), (165, 15096), (199, 15201), (201, 15207), (206, 15225), (215, 15255), (254, 15360), (276, 15420), (284, 15441), (287, 15450), (294, 15474), (319, 15549), (346, 15600), (350, 15615), (353, 15621), (367, 15657), (368, 15660), (373, 15672), (374, 15678), (390, 15726), (394, 15738), (395, 15744), (423, 15804), (427, 15816), (443, 15852), (445, 15864), (469, 15939), (471, 15948), (478, 15966), (479, 15972), (487, 16002), (529, 16107), (533, 16119), (543, 16155), (562, 16233), (585, 16332), (592, 16353), (600, 16386), (609, 16416), (616, 16446), (618, 16452), (619, 16455), (621, 16461), (631, 16476), (632, 16479), (637, 16500), (638, 16503), (652, 16545), (667, 16617), (668, 16623),

Gene: Policronamos_24 Start: 19858, Stop: 21453, Start Num: 132

Candidate Starts for Policronamos_24:

(Start: 87 @19774 has 85 MA's), (Start: 132 @19858 has 48 MA's), (Start: 167 @19936 has 1 MA's), (195, 20023), (201, 20038), (215, 20086), (229, 20125), (261, 20212), (274, 20245), (287, 20281), (295, 20311), (297, 20317), (321, 20386), (348, 20416), (351, 20428), (353, 20431), (374, 20488), (424, 20620), (426, 20626), (449, 20692), (451, 20698), (456, 20722), (471, 20770), (479, 20794), (481, 20803), (502, 20878), (532, 20929), (536, 20944), (578, 21106), (583, 21133), (592, 21163), (620, 21268), (650, 21346), (657, 21382), (660, 21391), (667, 21424), (673, 21439),

Gene: Polka14_17 Start: 15348, Stop: 17057, Start Num: 83

Candidate Starts for Polka14_17:

(Start: 83 @15348 has 222 MA's), (134, 15435), (Start: 158 @15480 has 2 MA's), (165, 15504), (199, 15609), (201, 15615), (206, 15633), (215, 15663), (254, 15768), (276, 15828), (284, 15849), (287, 15858), (294, 15882), (346, 16008), (350, 16023), (353, 16029), (367, 16065), (368, 16068), (373, 16080), (374, 16086), (390, 16134), (394, 16146), (395, 16152), (423, 16212), (427, 16224), (443, 16260), (445, 16272), (451, 16293), (469, 16347), (471, 16356), (478, 16374), (479, 16380), (487, 16410), (529, 16515), (533, 16527), (543, 16563), (554, 16602), (562, 16641), (585, 16740), (592, 16761), (600, 16794), (609, 16824), (616, 16854), (618, 16860), (619, 16863), (621, 16869), (631, 16884), (632, 16887), (637, 16908), (638, 16911), (652, 16953), (657, 16983), (667, 17025),

Gene: Polkaroo_19 Start: 16401, Stop: 18137, Start Num: 80

Candidate Starts for Polkaroo_19:

(Start: 65 @16377 has 2 MA's), (Start: 80 @16401 has 48 MA's), (115, 16461), (125, 16482), (127, 16485), (176, 16605), (190, 16644), (200, 16677), (207, 16701), (250, 16821), (261, 16860), (263, 16866), (292, 16950), (294, 16956), (297, 16968), (305, 16992), (315, 17019), (321, 17037), (337, 17076), (346, 17082), (354, 17106), (374, 17160), (379, 17172), (382, 17181), (398, 17241), (430, 17319), (445, 17358), (453, 17391), (471, 17457), (477, 17472), (479, 17481), (485, 17505), (495, 17535), (499, 17547), (540, 17649), (546, 17661), (547, 17664), (548, 17670), (549, 17679), (576, 17787), (596, 17871), (625, 17970), (667, 18111), (673, 18126),

Gene: Pollux_20 Start: 17566, Stop: 19272, Start Num: 51

Candidate Starts for Pollux_20:

(Start: 44 @17542 has 1 MA's), (Start: 51 @17566 has 25 MA's), (103, 17671), (124, 17713), (169, 17788), (220, 17902), (271, 18049), (274, 18055), (290, 18100), (363, 18238), (391, 18313), (484, 18595), (491, 18616), (511, 18691), (541, 18778), (555, 18814), (561, 18847), (563, 18853), (579, 18919), (586, 18949), (631, 19105), (633, 19111), (637, 19129), (665, 19240),

Gene: Polly_19 Start: 17773, Stop: 19371, Start Num: 99

Candidate Starts for Polly_19:

(Start: 99 @17773 has 65 MA's), (208, 18022), (214, 18031), (220, 18049), (221, 18052), (246, 18106), (269, 18181), (291, 18250), (294, 18259), (297, 18271), (314, 18322), (328, 18349), (333, 18358), (334, 18361), (380, 18391), (381, 18394), (397, 18451), (423, 18517), (450, 18595), (461, 18628), (473, 18652), (484, 18688), (512, 18790), (534, 18847), (551, 18892), (554, 18898), (562, 18937), (624, 19177), (645, 19255),

Gene: Polyyuki_45 Start: 31365, Stop: 32939, Start Num: 99

Candidate Starts for Polyyuki_45:

(Start: 99 @31365 has 65 MA's), (104, 31374), (135, 31428), (151, 31452), (153, 31455), (254, 31725), (278, 31788), (283, 31803), (335, 31920), (342, 31935), (374, 31992), (378, 32001), (391, 32043), (396, 32064), (407, 32094), (429, 32151), (453, 32226), (492, 32322), (517, 32427), (518, 32430), (533, 32457), (563, 32535), (573, 32574), (620, 32730), (639, 32796),

Gene: Pons_18 Start: 15412, Stop: 17109, Start Num: 73

Candidate Starts for Pons_18:

(Start: 73 @15412 has 9 MA's), (Start: 77 @15415 has 39 MA's), (135, 15514), (154, 15556), (164, 15577), (203, 15694), (243, 15796), (271, 15883), (283, 15913), (291, 15940), (307, 15985), (332, 16003), (345, 16018), (350, 16033), (370, 16090), (381, 16123), (385, 16135), (394, 16165), (412, 16222), (422, 16240), (432, 16270), (443, 16300), (446, 16315), (458, 16363), (475, 16414), (485, 16450), (490, 16465), (497, 16483), (511, 16540), (559, 16669), (561, 16681), (585, 16780), (586, 16783), (592, 16801), (612, 16879), (620, 16906), (633, 16948), (669, 17095), (673, 17101),

Gene: PopTart_16 Start: 14854, Stop: 16563, Start Num: 83

Candidate Starts for PopTart_16:

(Start: 83 @14854 has 222 MA's), (134, 14941), (Start: 158 @14986 has 2 MA's), (165, 15010), (199, 15115), (201, 15121), (206, 15139), (215, 15169), (254, 15274), (276, 15334), (279, 15343), (283, 15352), (284, 15355), (287, 15364), (294, 15388), (346, 15514), (350, 15529), (353, 15535), (367, 15571), (368, 15574), (373, 15586), (374, 15592), (390, 15640), (394, 15652), (395, 15658), (423, 15718), (427, 15730), (443, 15766), (445, 15778), (469, 15853), (471, 15862), (478, 15880), (479, 15886), (487, 15916), (529, 16021), (532, 16030), (533, 16033), (543, 16069), (562, 16147), (585, 16246), (592, 16267), (600, 16300), (609, 16330), (616, 16360), (619, 16369), (621, 16375), (631, 16390), (632, 16393), (638, 16417), (648, 16447), (652, 16459), (657, 16489), (667, 16531),

Gene: Porcelain_33 Start: 24890, Stop: 26623, Start Num: 84

Candidate Starts for Porcelain_33:

(Start: 84 @24890 has 30 MA's), (Start: 132 @24980 has 48 MA's), (134, 24983), (165, 25058), (173, 25085), (195, 25151), (207, 25187), (216, 25217), (220, 25232), (252, 25316), (263, 25352), (274, 25379), (288, 25418), (297, 25451), (300, 25460), (320, 25517), (336, 25559), (371, 25634), (374, 25646), (394, 25706), (413, 25760), (424, 25790), (430, 25808), (435, 25817), (446, 25850), (449, 25862), (451, 25868), (462, 25907), (479, 25964), (536, 26114), (540, 26132), (553, 26174), (558, 26198), (559, 26201), (562, 26216), (570, 26246), (578, 26276), (592, 26333), (640, 26483), (669, 26603), (673, 26609),

Gene: Porky_24 Start: 19667, Stop: 21262, Start Num: 132

Candidate Starts for Porky_24:

(Start: 87 @19583 has 85 MA's), (Start: 132 @19667 has 48 MA's), (Start: 167 @19745 has 1 MA's), (195, 19832), (201, 19847), (215, 19895), (229, 19934), (261, 20021), (274, 20054), (287, 20090), (295, 20120), (297, 20126), (321, 20195), (348, 20225), (351, 20237), (353, 20240), (374, 20297), (424, 20429), (426, 20435), (449, 20501), (451, 20507), (456, 20531), (471, 20579), (479, 20603), (481, 20612), (502, 20687), (532, 20738), (536, 20753), (578, 20915), (583, 20942), (592, 20972), (620, 21077), (650, 21155), (657, 21191), (660, 21200), (667, 21233), (673, 21248),

Gene: Posh_20 Start: 17530, Stop: 19236, Start Num: 51

Candidate Starts for Posh_20:

(Start: 44 @17506 has 1 MA's), (Start: 51 @17530 has 25 MA's), (103, 17635), (124, 17677), (169, 17752), (220, 17866), (271, 18013), (274, 18019), (290, 18064), (363, 18202), (391, 18277), (484, 18559), (491, 18580), (511, 18655), (541, 18742), (555, 18778), (561, 18811), (563, 18817), (579, 18883), (586, 18913), (631, 19069), (633, 19075), (637, 19093), (665, 19204),

Gene: PotPie_18 Start: 16277, Stop: 17974, Start Num: 73

Candidate Starts for PotPie_18:

(Start: 73 @16277 has 9 MA's), (Start: 77 @16280 has 39 MA's), (135, 16379), (154, 16421), (243, 16661), (271, 16748), (280, 16769), (283, 16778), (291, 16805), (307, 16850), (345, 16883), (350, 16898), (358, 16922), (370, 16955), (381, 16988), (385, 17000), (401, 17057), (422, 17105), (432, 17135), (443, 17165), (446, 17180), (458, 17228), (475, 17279), (485, 17315), (490, 17330), (497, 17348), (511, 17405), (513, 17414), (559, 17534), (561, 17546), (574, 17594), (585, 17645), (586, 17648), (592, 17666), (612, 17744), (620, 17771), (633, 17813), (669, 17960), (673, 17966),

Gene: PotatoChip_34 Start: 29329, Stop: 30927, Start Num: 97

Candidate Starts for PotatoChip_34:

(Start: 97 @29329 has 8 MA's), (159, 29428), (183, 29497), (194, 29536), (244, 29671), (263, 29731), (329, 29884), (335, 29896), (339, 29905), (340, 29908), (370, 29953), (374, 29968), (378, 29977), (381, 29986), (396, 30040), (402, 30058), (425, 30112), (499, 30328), (528, 30421), (567, 30529), (580, 30583), (599, 30658), (639, 30787), (672, 30913),

Gene: Powerball_19 Start: 16819, Stop: 18399, Start Num: 99

Candidate Starts for Powerball_19:

(Start: 99 @16819 has 65 MA's), (214, 17077), (221, 17098), (246, 17152), (251, 17170), (257, 17191), (275, 17248), (283, 17269), (381, 17440), (387, 17458), (394, 17482), (398, 17503), (423, 17545), (451, 17626), (484, 17716), (512, 17818), (513, 17821), (534, 17875), (635, 18244), (637, 18253), (639, 18259), (645, 18283), (650, 18295),

Gene: PrincePatrick_19 Start: 16814, Stop: 18463, Start Num: 93

Candidate Starts for PrincePatrick_19:

(14, 16283), (15, 16313), (16, 16319), (20, 16451), (23, 16508), (25, 16517), (39, 16676), (71, 16778), (Start: 93 @16814 has 51 MA's), (144, 16919), (173, 16997), (200, 17057), (204, 17069), (205, 17072), (283, 17270), (288, 17285), (292, 17300), (331, 17369), (347, 17381), (350, 17390), (351, 17393), (358, 17414), (374, 17456), (385, 17486), (451, 17669), (456, 17693), (475, 17744), (502, 17837), (507, 17849), (515, 17891), (520, 17909), (560, 18044), (583, 18143), (588, 18161), (601, 18212), (622, 18272), (624, 18278), (648, 18353),

Gene: Priscilla_16 Start: 14816, Stop: 16525, Start Num: 83

Candidate Starts for Priscilla_16:

(Start: 83 @14816 has 222 MA's), (134, 14903), (Start: 158 @14948 has 2 MA's), (165, 14972), (199, 15077), (201, 15083), (206, 15101), (215, 15131), (254, 15236), (276, 15296), (284, 15317), (287, 15326), (294, 15350), (319, 15425), (320, 15428), (346, 15476), (350, 15491), (353, 15497), (367, 15533), (368, 15536), (373, 15548), (374, 15554), (390, 15602), (394, 15614), (395, 15620), (423,

15680), (427, 15692), (443, 15728), (445, 15740), (469, 15815), (471, 15824), (478, 15842), (479, 15848), (487, 15878), (529, 15983), (533, 15995), (543, 16031), (562, 16109), (592, 16229), (600, 16262), (609, 16292), (616, 16322), (619, 16331), (621, 16337), (631, 16352), (632, 16355), (638, 16379), (648, 16409), (652, 16421), (657, 16451), (667, 16493),

Gene: PsychoKiller_18 Start: 15729, Stop: 17429, Start Num: 73

Candidate Starts for PsychoKiller_18:

(Start: 73 @15729 has 9 MA's), (Start: 77 @15732 has 39 MA's), (178, 15942), (220, 16065), (243, 16116), (271, 16203), (275, 16212), (283, 16233), (288, 16248), (291, 16260), (345, 16338), (349, 16350), (358, 16377), (370, 16410), (381, 16443), (385, 16455), (396, 16497), (443, 16620), (462, 16692), (485, 16770), (490, 16785), (497, 16803), (511, 16860), (550, 16953), (559, 16989), (561, 17001), (563, 17007), (566, 17019), (569, 17028), (585, 17100), (586, 17103), (588, 17109), (592, 17121), (608, 17181), (620, 17226), (623, 17235), (633, 17268), (652, 17334),

Gene: Ptowny_24 Start: 19212, Stop: 20807, Start Num: 132

Candidate Starts for Ptowny_24:

(Start: 87 @19128 has 85 MA's), (Start: 132 @19212 has 48 MA's), (Start: 167 @19290 has 1 MA's), (195, 19377), (201, 19392), (215, 19440), (229, 19479), (261, 19566), (274, 19599), (287, 19635), (295, 19665), (297, 19671), (321, 19740), (348, 19770), (351, 19782), (353, 19785), (374, 19842), (424, 19974), (426, 19980), (449, 20046), (451, 20052), (456, 20076), (471, 20124), (479, 20148), (481, 20157), (502, 20232), (532, 20283), (536, 20298), (578, 20460), (583, 20487), (592, 20517), (620, 20622), (650, 20700), (657, 20736), (660, 20745), (667, 20778), (673, 20793),

Gene: Pumpkin_26 Start: 19910, Stop: 21505, Start Num: 132

Candidate Starts for Pumpkin_26:

(Start: 87 @19826 has 85 MA's), (Start: 132 @19910 has 48 MA's), (Start: 167 @19988 has 1 MA's), (195, 20075), (201, 20090), (215, 20138), (229, 20177), (261, 20264), (274, 20297), (287, 20333), (295, 20363), (297, 20369), (321, 20438), (348, 20468), (351, 20480), (353, 20483), (374, 20540), (424, 20672), (426, 20678), (449, 20744), (451, 20750), (456, 20774), (471, 20822), (479, 20846), (481, 20855), (502, 20930), (532, 20981), (536, 20996), (578, 21158), (583, 21185), (592, 21215), (620, 21320), (650, 21398), (657, 21434), (660, 21443), (667, 21476), (673, 21491),

Gene: Pumpkiney_36 Start: 28077, Stop: 29699, Start Num: 90

Candidate Starts for Pumpkiney_36:

(Start: 90 @28077 has 22 MA's), (106, 28098), (113, 28110), (137, 28161), (163, 28224), (190, 28296), (222, 28383), (247, 28434), (254, 28464), (284, 28545), (354, 28671), (366, 28701), (381, 28743), (382, 28746), (398, 28806), (423, 28854), (426, 28863), (457, 28962), (473, 29001), (478, 29013), (508, 29130), (515, 29169), (534, 29208), (558, 29265), (560, 29271), (568, 29304), (570, 29313), (582, 29370), (584, 29382), (597, 29430), (600, 29439), (601, 29445), (609, 29466), (620, 29499), (635, 29544), (667, 29673), (669, 29682),

Gene: Puppies_18 Start: 15139, Stop: 16755, Start Num: 85

Candidate Starts for Puppies_18:

(Start: 85 @15139 has 14 MA's), (136, 15235), (201, 15403), (227, 15466), (272, 15589), (325, 15706), (370, 15784), (394, 15859), (403, 15892), (444, 15985), (448, 16006), (485, 16123), (499, 16165), (502, 16183), (507, 16195), (508, 16198), (550, 16303), (551, 16309), (557, 16324), (570, 16381), (635, 16600), (661, 16699),

Gene: Purgamenstris_18 Start: 14993, Stop: 16702, Start Num: 86

Candidate Starts for Purgamenstris_18:

(Start: 86 @14993 has 47 MA's), (104, 15020), (125, 15059), (Start: 158 @15125 has 2 MA's), (161, 15137), (171, 15173), (182, 15197), (190, 15224), (195, 15245), (199, 15254), (201, 15260), (211, 15293), (273, 15467), (276, 15473), (279, 15482), (283, 15491), (287, 15503), (294, 15527), (307,

15569), (319, 15602), (346, 15653), (347, 15656), (350, 15668), (367, 15710), (373, 15725), (374, 15731), (390, 15779), (406, 15833), (423, 15857), (448, 15929), (464, 15983), (469, 15992), (471, 16001), (479, 16025), (486, 16052), (487, 16055), (529, 16160), (532, 16169), (543, 16208), (563, 16289), (577, 16346), (585, 16385), (616, 16499), (631, 16529), (632, 16532), (638, 16556), (650, 16592),

Gene: Purky_18 Start: 15971, Stop: 17707, Start Num: 80

Candidate Starts for Purky_18:

(Start: 80 @15971 has 48 MA's), (127, 16055), (152, 16106), (154, 16109), (176, 16175), (184, 16196), (190, 16214), (200, 16247), (207, 16271), (247, 16379), (250, 16391), (261, 16430), (263, 16436), (274, 16466), (283, 16490), (300, 16547), (301, 16550), (321, 16607), (337, 16646), (346, 16652), (354, 16676), (374, 16730), (382, 16751), (398, 16811), (430, 16889), (453, 16961), (471, 17027), (479, 17051), (485, 17075), (495, 17105), (499, 17117), (540, 17219), (546, 17231), (576, 17357), (596, 17441), (600, 17453), (615, 17510), (673, 17696),

Gene: Pygmy_18 Start: 16108, Stop: 17844, Start Num: 80

Candidate Starts for Pygmy_18:

(Start: 65 @16084 has 2 MA's), (Start: 80 @16108 has 48 MA's), (115, 16168), (125, 16189), (127, 16192), (176, 16312), (190, 16351), (200, 16384), (207, 16408), (250, 16528), (261, 16567), (263, 16573), (292, 16657), (294, 16663), (297, 16675), (305, 16699), (315, 16726), (321, 16744), (337, 16783), (346, 16789), (354, 16813), (374, 16867), (379, 16879), (382, 16888), (398, 16948), (430, 17026), (445, 17065), (453, 17098), (471, 17164), (477, 17179), (479, 17188), (485, 17212), (495, 17242), (499, 17254), (540, 17356), (546, 17368), (547, 17371), (548, 17377), (549, 17386), (576, 17494), (596, 17578), (625, 17677), (660, 17785), (673, 17833),

Gene: Pytheas_20 Start: 17676, Stop: 19382, Start Num: 51

Candidate Starts for Pytheas_20:

(Start: 44 @17652 has 1 MA's), (Start: 51 @17676 has 25 MA's), (103, 17781), (124, 17823), (169, 17898), (220, 18012), (271, 18159), (274, 18165), (363, 18348), (391, 18423), (484, 18705), (491, 18726), (511, 18801), (555, 18924), (561, 18957), (563, 18963), (579, 19029), (586, 19059), (631, 19215), (633, 19221), (637, 19239), (665, 19350),

Gene: Quallification_25 Start: 19952, Stop: 21631, Start Num: 87

Candidate Starts for Quallification_25:

(Start: 87 @19952 has 85 MA's), (Start: 132 @20036 has 48 MA's), (Start: 167 @20114 has 1 MA's), (195, 20201), (201, 20216), (215, 20264), (229, 20303), (261, 20390), (274, 20423), (287, 20459), (295, 20489), (297, 20495), (321, 20564), (348, 20594), (351, 20606), (353, 20609), (374, 20666), (424, 20798), (426, 20804), (449, 20870), (451, 20876), (456, 20900), (471, 20948), (479, 20972), (481, 20981), (502, 21056), (532, 21107), (536, 21122), (578, 21284), (583, 21311), (592, 21341), (620, 21446), (650, 21524), (657, 21560), (660, 21569), (667, 21602), (673, 21617),

Gene: Quasar_18 Start: 16341, Stop: 18038, Start Num: 77

Candidate Starts for Quasar_18:

(Start: 73 @16338 has 9 MA's), (Start: 77 @16341 has 39 MA's), (178, 16551), (220, 16674), (243, 16725), (271, 16812), (275, 16821), (283, 16842), (288, 16857), (291, 16869), (345, 16947), (349, 16959), (358, 16986), (370, 17019), (381, 17052), (385, 17064), (443, 17229), (462, 17301), (485, 17379), (490, 17394), (497, 17412), (511, 17469), (550, 17562), (559, 17598), (561, 17610), (563, 17616), (566, 17628), (569, 17637), (585, 17709), (586, 17712), (588, 17718), (592, 17730), (608, 17790), (620, 17835), (623, 17844), (633, 17877), (652, 17943),

Gene: QueenHazel_19 Start: 16491, Stop: 18224, Start Num: 89

Candidate Starts for QueenHazel_19:

(36, 16344), (42, 16371), (43, 16374), (45, 16383), (Start: 73 @16464 has 9 MA's), (Start: 89 @16491 has 6 MA's), (141, 16590), (146, 16599), (171, 16665), (182, 16689), (200, 16749), (201, 16752), (209, 16779), (273, 16959), (283, 16983), (287, 16995), (294, 17019), (346, 17145), (350, 17160), (354, 17169), (368, 17205), (374, 17223), (394, 17283), (464, 17475), (469, 17484), (479, 17517), (532, 17661), (546, 17706), (570, 17808), (572, 17817), (576, 17835), (577, 17838), (601, 17937), (616, 17997), (622, 18015), (631, 18051), (635, 18066), (650, 18114), (665, 18183),

Gene: QuickMath_17 Start: 16152, Stop: 17861, Start Num: 83

Candidate Starts for QuickMath_17:

(Start: 83 @16152 has 222 MA's), (134, 16239), (Start: 158 @16284 has 2 MA's), (165, 16308), (199, 16413), (201, 16419), (206, 16437), (215, 16467), (254, 16572), (256, 16578), (276, 16632), (279, 16641), (284, 16653), (287, 16662), (294, 16686), (322, 16773), (328, 16788), (346, 16812), (350, 16827), (353, 16833), (367, 16869), (368, 16872), (373, 16884), (374, 16890), (390, 16938), (394, 16950), (395, 16956), (423, 17016), (427, 17028), (443, 17064), (445, 17076), (451, 17097), (469, 17151), (471, 17160), (478, 17178), (479, 17184), (487, 17214), (529, 17319), (532, 17328), (533, 17331), (543, 17367), (560, 17433), (562, 17445), (585, 17544), (592, 17565), (600, 17598), (609, 17628), (616, 17658), (619, 17667), (621, 17673), (631, 17688), (632, 17691), (638, 17715), (648, 17745), (652, 17757), (657, 17787), (667, 17829),

Gene: Quico_17 Start: 14636, Stop: 16345, Start Num: 83

Candidate Starts for Quico_17:

(Start: 83 @14636 has 222 MA's), (134, 14723), (Start: 158 @14768 has 2 MA's), (165, 14792), (199, 14897), (201, 14903), (206, 14921), (215, 14951), (254, 15056), (276, 15116), (284, 15137), (287, 15146), (294, 15170), (346, 15296), (350, 15311), (353, 15317), (359, 15335), (360, 15338), (367, 15353), (368, 15356), (373, 15368), (374, 15374), (378, 15383), (390, 15422), (394, 15434), (395, 15440), (423, 15500), (443, 15548), (445, 15560), (469, 15635), (471, 15644), (478, 15662), (479, 15668), (487, 15698), (529, 15803), (533, 15815), (543, 15851), (562, 15929), (585, 16028), (592, 16049), (600, 16082), (609, 16112), (616, 16142), (619, 16151), (621, 16157), (631, 16172), (632, 16175), (637, 16196), (638, 16199), (652, 16241), (657, 16271), (667, 16313),

Gene: RADical_19 Start: 15730, Stop: 17430, Start Num: 73

Candidate Starts for RADical_19:

(Start: 73 @15730 has 9 MA's), (Start: 77 @15733 has 39 MA's), (178, 15943), (220, 16066), (243, 16117), (271, 16204), (275, 16213), (283, 16234), (288, 16249), (291, 16261), (345, 16339), (349, 16351), (358, 16378), (370, 16411), (381, 16444), (385, 16456), (396, 16498), (443, 16621), (462, 16693), (485, 16771), (490, 16786), (497, 16804), (511, 16861), (550, 16954), (559, 16990), (561, 17002), (563, 17008), (566, 17020), (569, 17029), (585, 17101), (586, 17104), (588, 17110), (592, 17122), (608, 17182), (620, 17227), (623, 17236), (633, 17269), (652, 17335),

Gene: REQ2_20 Start: 19089, Stop: 20663, Start Num: 92

Candidate Starts for REQ2_20:

(Start: 92 @19089 has 11 MA's), (137, 19173), (156, 19212), (204, 19347), (238, 19428), (260, 19491), (350, 19671), (351, 19674), (353, 19677), (374, 19737), (390, 19785), (413, 19848), (423, 19866), (427, 19878), (439, 19902), (445, 19926), (448, 19938), (457, 19974), (499, 20073), (507, 20103), (508, 20106), (532, 20175), (540, 20196), (558, 20241), (562, 20259), (570, 20289), (582, 20340), (596, 20397), (611, 20439), (662, 20616),

Gene: RSchmailzl_19 Start: 15873, Stop: 17573, Start Num: 73

Candidate Starts for RSchmailzl_19:

(Start: 73 @15873 has 9 MA's), (Start: 77 @15876 has 39 MA's), (178, 16086), (220, 16209), (222, 16218), (243, 16260), (271, 16347), (275, 16356), (283, 16377), (288, 16392), (291, 16404), (345, 16482), (349, 16494), (358, 16521), (370, 16554), (381, 16587), (385, 16599), (396, 16641), (443, 16764), (462, 16836), (485, 16914), (490, 16929), (497, 16947), (511, 17004), (550, 17097), (559,

17133), (561, 17145), (563, 17151), (566, 17163), (569, 17172), (585, 17244), (586, 17247), (588, 17253), (592, 17265), (608, 17325), (620, 17370), (623, 17379), (633, 17412), (652, 17478),

Gene: Radiance_16 Start: 14789, Stop: 16498, Start Num: 83

Candidate Starts for Radiance_16:

(Start: 83 @14789 has 222 MA's), (134, 14876), (Start: 158 @14921 has 2 MA's), (165, 14945), (184, 15002), (199, 15050), (201, 15056), (206, 15074), (215, 15104), (254, 15209), (276, 15269), (279, 15278), (287, 15299), (294, 15323), (305, 15359), (307, 15365), (319, 15398), (320, 15401), (322, 15410), (328, 15425), (331, 15431), (346, 15449), (350, 15464), (353, 15470), (359, 15488), (360, 15491), (367, 15506), (368, 15509), (373, 15521), (374, 15527), (390, 15575), (394, 15587), (395, 15593), (423, 15653), (427, 15665), (443, 15701), (445, 15713), (469, 15788), (471, 15797), (478, 15815), (479, 15821), (487, 15851), (529, 15956), (532, 15965), (533, 15968), (543, 16004), (562, 16082), (585, 16181), (592, 16202), (600, 16235), (609, 16265), (616, 16295), (619, 16304), (621, 16310), (631, 16325), (632, 16328), (638, 16352), (648, 16382), (652, 16394), (657, 16424), (667, 16466),

Gene: Rakim_25 Start: 19943, Stop: 21538, Start Num: 132

Candidate Starts for Rakim_25:

(Start: 87 @19859 has 85 MA's), (Start: 132 @19943 has 48 MA's), (Start: 167 @20021 has 1 MA's), (195, 20108), (201, 20123), (215, 20171), (229, 20210), (261, 20297), (274, 20330), (287, 20366), (295, 20396), (297, 20402), (321, 20471), (348, 20501), (351, 20513), (353, 20516), (374, 20573), (424, 20705), (426, 20711), (449, 20777), (451, 20783), (456, 20807), (471, 20855), (479, 20879), (481, 20888), (502, 20963), (532, 21014), (536, 21029), (578, 21191), (583, 21218), (592, 21248), (620, 21353), (650, 21431), (657, 21467), (660, 21476), (667, 21509), (673, 21524),

Gene: Ramsey_17 Start: 14835, Stop: 16544, Start Num: 83

Candidate Starts for Ramsey_17:

(Start: 83 @14835 has 222 MA's), (134, 14922), (Start: 158 @14967 has 2 MA's), (165, 14991), (199, 15096), (201, 15102), (206, 15120), (215, 15150), (254, 15255), (276, 15315), (284, 15336), (287, 15345), (294, 15369), (319, 15444), (346, 15495), (350, 15510), (353, 15516), (367, 15552), (368, 15555), (373, 15567), (374, 15573), (390, 15621), (394, 15633), (395, 15639), (423, 15699), (427, 15711), (443, 15747), (445, 15759), (469, 15834), (471, 15843), (478, 15861), (479, 15867), (487, 15897), (529, 16002), (533, 16014), (543, 16050), (562, 16128), (585, 16227), (592, 16248), (600, 16281), (609, 16311), (616, 16341), (618, 16347), (619, 16350), (621, 16356), (631, 16371), (632, 16374), (637, 16395), (638, 16398), (652, 16440), (667, 16512), (668, 16518),

Gene: RavenCo17_17 Start: 15550, Stop: 17259, Start Num: 100

Candidate Starts for RavenCo17_17:

(34, 15379), (41, 15415), (Start: 100 @15550 has 33 MA's), (157, 15667), (205, 15817), (246, 15913), (253, 15940), (283, 16030), (284, 16033), (288, 16045), (352, 16219), (391, 16336), (397, 16360), (423, 16408), (463, 16525), (485, 16582), (498, 16621), (512, 16678), (558, 16807), (623, 17062), (624, 17065), (637, 17113), (645, 17143),

Gene: Raymond7_18 Start: 14993, Stop: 16702, Start Num: 86

Candidate Starts for Raymond7_18:

(Start: 86 @14993 has 47 MA's), (104, 15020), (125, 15059), (Start: 158 @15125 has 2 MA's), (161, 15137), (171, 15173), (182, 15197), (190, 15224), (195, 15245), (199, 15254), (201, 15260), (211, 15293), (273, 15467), (276, 15473), (279, 15482), (283, 15491), (287, 15503), (294, 15527), (307, 15569), (319, 15602), (346, 15653), (347, 15656), (350, 15668), (367, 15710), (373, 15725), (374, 15731), (390, 15779), (406, 15833), (423, 15857), (448, 15929), (464, 15983), (469, 15992), (471, 16001), (479, 16025), (486, 16052), (487, 16055), (529, 16160), (532, 16169), (543, 16208), (563, 16289), (577, 16346), (585, 16385), (616, 16499), (631, 16529), (632, 16532), (638, 16556), (650, 16592), (652, 16598),

Gene: Rearden_31 Start: 23859, Stop: 25592, Start Num: 84

Candidate Starts for Rearden_31:

(Start: 84 @23859 has 30 MA's), (Start: 132 @23949 has 48 MA's), (134, 23952), (173, 24054), (195, 24120), (207, 24156), (216, 24186), (220, 24201), (251, 24282), (252, 24285), (263, 24321), (274, 24348), (288, 24387), (297, 24420), (300, 24429), (320, 24486), (336, 24528), (371, 24603), (374, 24615), (394, 24675), (413, 24729), (424, 24759), (430, 24777), (435, 24786), (446, 24819), (449, 24831), (451, 24837), (462, 24876), (479, 24933), (536, 25083), (540, 25101), (553, 25143), (558, 25167), (559, 25170), (562, 25185), (570, 25215), (578, 25245), (592, 25302), (640, 25452), (673, 25578),

Gene: Rebel_18 Start: 14990, Stop: 16699, Start Num: 86

Candidate Starts for Rebel_18:

(Start: 86 @14990 has 47 MA's), (104, 15017), (125, 15056), (Start: 158 @15122 has 2 MA's), (161, 15134), (171, 15170), (182, 15194), (190, 15221), (195, 15242), (199, 15251), (201, 15257), (211, 15290), (273, 15464), (276, 15470), (279, 15479), (283, 15488), (287, 15500), (294, 15524), (307, 15566), (319, 15599), (346, 15650), (347, 15653), (350, 15665), (367, 15707), (373, 15722), (374, 15728), (390, 15776), (406, 15830), (423, 15854), (448, 15926), (464, 15980), (469, 15989), (471, 15998), (479, 16022), (486, 16049), (487, 16052), (529, 16157), (532, 16166), (543, 16205), (563, 16286), (577, 16343), (585, 16382), (616, 16496), (631, 16526), (632, 16529), (638, 16553), (650, 16589),

Gene: RedBaron_20 Start: 15776, Stop: 17473, Start Num: 77

Candidate Starts for RedBaron_20:

(61, 15746), (Start: 73 @15773 has 9 MA's), (Start: 77 @15776 has 39 MA's), (178, 15986), (220, 16109), (243, 16160), (271, 16247), (288, 16292), (291, 16304), (345, 16382), (349, 16394), (358, 16421), (370, 16454), (381, 16487), (385, 16499), (396, 16541), (443, 16664), (462, 16736), (485, 16814), (490, 16829), (497, 16847), (511, 16904), (550, 16997), (559, 17033), (561, 17045), (563, 17051), (566, 17063), (569, 17072), (585, 17144), (586, 17147), (588, 17153), (592, 17165), (608, 17225), (620, 17270), (623, 17279), (633, 17312), (652, 17378),

Gene: RedBird_16 Start: 14766, Stop: 16475, Start Num: 83

Candidate Starts for RedBird_16:

(Start: 83 @14766 has 222 MA's), (134, 14853), (Start: 158 @14898 has 2 MA's), (165, 14922), (199, 15027), (201, 15033), (206, 15051), (215, 15081), (254, 15186), (276, 15246), (284, 15267), (287, 15276), (294, 15300), (346, 15426), (350, 15441), (353, 15447), (367, 15483), (368, 15486), (373, 15498), (374, 15504), (390, 15552), (394, 15564), (395, 15570), (423, 15630), (427, 15642), (443, 15678), (445, 15690), (469, 15765), (471, 15774), (478, 15792), (479, 15798), (487, 15828), (529, 15933), (532, 15942), (533, 15945), (543, 15981), (562, 16059), (585, 16158), (592, 16179), (600, 16212), (609, 16242), (616, 16272), (619, 16281), (621, 16287), (631, 16302), (632, 16305), (638, 16329), (652, 16371), (657, 16401), (667, 16443),

Gene: RedRaider_48 Start: 32716, Stop: 34338, Start Num: 91

Candidate Starts for RedRaider_48:

(Start: 91 @32716 has 39 MA's), (153, 32833), (183, 32911), (246, 33073), (249, 33085), (253, 33100), (278, 33166), (283, 33181), (327, 33292), (340, 33322), (342, 33325), (374, 33382), (396, 33454), (438, 33559), (463, 33646), (483, 33694), (517, 33820), (518, 33823), (534, 33856), (560, 33913), (592, 34042), (601, 34081), (638, 34186), (655, 34249), (657, 34261), (661, 34273), (673, 34318),

Gene: Redi_18 Start: 14993, Stop: 16702, Start Num: 86

Candidate Starts for Redi_18:

(Start: 86 @14993 has 47 MA's), (104, 15020), (125, 15059), (Start: 158 @15125 has 2 MA's), (161, 15137), (171, 15173), (182, 15197), (190, 15224), (195, 15245), (199, 15254), (201, 15260), (211,

15293), (273, 15467), (276, 15473), (279, 15482), (283, 15491), (287, 15503), (294, 15527), (307, 15569), (319, 15602), (346, 15653), (347, 15656), (350, 15668), (367, 15710), (373, 15725), (374, 15731), (390, 15779), (406, 15833), (423, 15857), (448, 15929), (464, 15983), (469, 15992), (471, 16001), (479, 16025), (486, 16052), (487, 16055), (529, 16160), (532, 16169), (543, 16208), (563, 16289), (577, 16346), (585, 16385), (616, 16499), (631, 16529), (632, 16532), (638, 16556), (650, 16592),

Gene: Redno2_35 Start: 27084, Stop: 29082, Start Num: 84

Candidate Starts for Redno2_35:

(Start: 84 @27084 has 30 MA's), (Start: 132 @27174 has 48 MA's), (155, 27222), (165, 27252), (207, 27381), (216, 27411), (252, 27510), (263, 27546), (274, 27573), (297, 27645), (300, 27654), (307, 27675), (331, 27744), (353, 27783), (354, 27786), (359, 27801), (374, 27840), (390, 27888), (394, 27900), (395, 27906), (413, 27954), (416, 27963), (424, 27984), (430, 28002), (447, 28050), (478, 28152), (499, 28224), (510, 28269), (512, 28281), (522, 28416), (523, 28422), (524, 28446), (525, 28518), (527, 28545), (593, 28794),

Gene: Reyja_19 Start: 15160, Stop: 16776, Start Num: 85

Candidate Starts for Reyja_19:

(Start: 85 @15160 has 14 MA's), (137, 15259), (145, 15283), (190, 15394), (191, 15397), (198, 15415), (201, 15424), (228, 15490), (234, 15505), (238, 15514), (243, 15520), (266, 15592), (272, 15610), (291, 15664), (294, 15673), (325, 15727), (353, 15763), (354, 15766), (392, 15874), (421, 15946), (423, 15952), (426, 15961), (433, 15979), (460, 16069), (484, 16138), (499, 16183), (502, 16201), (507, 16213), (529, 16279), (551, 16327), (556, 16339), (558, 16351), (563, 16372), (566, 16384), (570, 16399), (578, 16429), (585, 16465), (644, 16654), (661, 16717), (665, 16738), (673, 16762),

Gene: Rialto_18 Start: 15316, Stop: 17025, Start Num: 83

Candidate Starts for Rialto_18:

(Start: 83 @15316 has 222 MA's), (134, 15403), (143, 15424), (Start: 158 @15448 has 2 MA's), (165, 15472), (170, 15493), (199, 15577), (201, 15583), (206, 15601), (215, 15631), (254, 15736), (276, 15796), (284, 15817), (287, 15826), (294, 15850), (319, 15925), (320, 15928), (322, 15937), (328, 15952), (331, 15958), (346, 15976), (350, 15991), (353, 15997), (360, 16018), (367, 16033), (373, 16048), (374, 16054), (390, 16102), (394, 16114), (395, 16120), (423, 16180), (427, 16192), (443, 16228), (445, 16240), (469, 16315), (471, 16324), (478, 16342), (479, 16348), (487, 16378), (529, 16483), (533, 16495), (543, 16531), (562, 16609), (592, 16729), (600, 16762), (609, 16792), (611, 16804), (616, 16822), (618, 16828), (619, 16831), (621, 16837), (631, 16852), (632, 16855), (637, 16876), (638, 16879), (652, 16921), (657, 16951), (667, 16993), (668, 16999),

Gene: Rimmer_23 Start: 19312, Stop: 20991, Start Num: 87

Candidate Starts for Rimmer_23:

(Start: 87 @19312 has 85 MA's), (Start: 132 @19396 has 48 MA's), (Start: 167 @19474 has 1 MA's), (195, 19561), (201, 19576), (215, 19624), (229, 19663), (261, 19750), (274, 19783), (287, 19819), (295, 19849), (297, 19855), (321, 19924), (348, 19954), (351, 19966), (353, 19969), (374, 20026), (424, 20158), (426, 20164), (449, 20230), (451, 20236), (456, 20260), (471, 20308), (479, 20332), (481, 20341), (502, 20416), (532, 20467), (536, 20482), (578, 20644), (583, 20671), (592, 20701), (620, 20806), (650, 20884), (657, 20920), (660, 20929), (667, 20962), (673, 20977),

Gene: Rita_16 Start: 14819, Stop: 16528, Start Num: 83

Candidate Starts for Rita_16:

(Start: 83 @14819 has 222 MA's), (134, 14906), (Start: 158 @14951 has 2 MA's), (165, 14975), (199, 15080), (201, 15086), (206, 15104), (209, 15113), (215, 15134), (254, 15239), (276, 15299), (284, 15320), (287, 15329), (294, 15353), (346, 15479), (350, 15494), (353, 15500), (367, 15536), (368, 15539), (373, 15551), (374, 15557), (390, 15605), (394, 15617), (395, 15623), (423, 15683), (427, 15695), (443, 15731), (445, 15743), (469, 15818), (471, 15827), (478, 15845), (479, 15851), (487,

15881), (529, 15986), (532, 15995), (533, 15998), (543, 16034), (562, 16112), (585, 16211), (592, 16232), (600, 16265), (609, 16295), (616, 16325), (619, 16334), (621, 16340), (631, 16355), (632, 16358), (638, 16382), (648, 16412), (652, 16424), (657, 16454), (667, 16496),

Gene: RitaG_16 Start: 14948, Stop: 16657, Start Num: 83

Candidate Starts for RitaG_16:

(Start: 83 @14948 has 222 MA's), (134, 15035), (Start: 158 @15080 has 2 MA's), (165, 15104), (199, 15209), (201, 15215), (206, 15233), (215, 15263), (254, 15368), (273, 15422), (276, 15428), (284, 15449), (287, 15458), (294, 15482), (346, 15608), (350, 15623), (353, 15629), (367, 15665), (368, 15668), (373, 15680), (374, 15686), (390, 15734), (394, 15746), (395, 15752), (423, 15812), (427, 15824), (443, 15860), (445, 15872), (469, 15947), (471, 15956), (478, 15974), (479, 15980), (487, 16010), (529, 16115), (533, 16127), (543, 16163), (562, 16241), (592, 16361), (600, 16394), (609, 16424), (611, 16436), (616, 16454), (619, 16463), (621, 16469), (631, 16484), (632, 16487), (638, 16511), (652, 16553), (657, 16583), (667, 16625),

Gene: RiverMonster_24 Start: 19585, Stop: 21180, Start Num: 132

Candidate Starts for RiverMonster_24:

(Start: 87 @19501 has 85 MA's), (Start: 132 @19585 has 48 MA's), (Start: 167 @19663 has 1 MA's), (195, 19750), (201, 19765), (215, 19813), (229, 19852), (261, 19939), (274, 19972), (287, 20008), (295, 20038), (297, 20044), (321, 20113), (348, 20143), (351, 20155), (353, 20158), (374, 20215), (424, 20347), (426, 20353), (449, 20419), (451, 20425), (456, 20449), (471, 20497), (479, 20521), (481, 20530), (502, 20605), (532, 20656), (536, 20671), (578, 20833), (583, 20860), (592, 20890), (620, 20995), (650, 21073), (657, 21109), (660, 21118), (667, 21151), (673, 21166),

Gene: Rizz_23 Start: 17703, Stop: 19283, Start Num: 99

Candidate Starts for Rizz_23:

(46, 17586), (Start: 99 @17703 has 65 MA's), (214, 17961), (221, 17982), (246, 18036), (257, 18075), (275, 18132), (283, 18153), (381, 18324), (387, 18342), (394, 18366), (398, 18387), (423, 18429), (451, 18510), (484, 18600), (499, 18645), (512, 18702), (513, 18705), (534, 18759), (562, 18849), (635, 19128), (637, 19137), (645, 19167),

Gene: RoadKill_30 Start: 27051, Stop: 28670, Start Num: 92

Candidate Starts for RoadKill_30:

(Start: 92 @27051 has 11 MA's), (106, 27072), (137, 27135), (186, 27258), (190, 27270), (214, 27327), (247, 27405), (253, 27432), (288, 27528), (354, 27642), (366, 27672), (383, 27720), (398, 27777), (423, 27825), (426, 27834), (445, 27885), (457, 27933), (507, 28098), (513, 28128), (558, 28236), (559, 28239), (570, 28284), (582, 28341), (583, 28347), (584, 28353), (597, 28401), (600, 28410), (601, 28416), (602, 28419), (620, 28470), (635, 28515), (653, 28584), (664, 28632), (667, 28644),

Gene: Rockne_16 Start: 14790, Stop: 16499, Start Num: 83

Candidate Starts for Rockne_16:

(Start: 83 @14790 has 222 MA's), (134, 14877), (Start: 158 @14922 has 2 MA's), (165, 14946), (184, 15003), (199, 15051), (201, 15057), (206, 15075), (215, 15105), (235, 15159), (254, 15210), (273, 15264), (276, 15270), (279, 15279), (287, 15300), (294, 15324), (305, 15360), (307, 15366), (319, 15399), (320, 15402), (322, 15411), (328, 15426), (331, 15432), (346, 15450), (350, 15465), (353, 15471), (359, 15489), (360, 15492), (367, 15507), (373, 15522), (374, 15528), (390, 15576), (394, 15588), (395, 15594), (423, 15654), (427, 15666), (443, 15702), (445, 15714), (469, 15789), (471, 15798), (478, 15816), (479, 15822), (487, 15852), (529, 15957), (533, 15969), (543, 16005), (562, 16083), (592, 16203), (600, 16236), (609, 16266), (611, 16278), (616, 16296), (618, 16302), (619, 16305), (621, 16311), (631, 16326), (632, 16329), (637, 16350), (638, 16353), (652, 16395), (657, 16425), (667, 16467), (668, 16473),

Gene: RockyHorror_17 Start: 14667, Stop: 16376, Start Num: 83

Candidate Starts for RockyHorror_17:

(Start: 83 @14667 has 222 MA's), (134, 14754), (165, 14823), (170, 14844), (184, 14880), (199, 14928), (201, 14934), (206, 14952), (215, 14982), (254, 15087), (276, 15147), (279, 15156), (284, 15168), (287, 15177), (294, 15201), (319, 15276), (328, 15303), (331, 15309), (346, 15327), (350, 15342), (353, 15348), (367, 15384), (368, 15387), (373, 15399), (374, 15405), (390, 15453), (394, 15465), (395, 15471), (423, 15531), (427, 15543), (443, 15579), (445, 15591), (469, 15666), (471, 15675), (478, 15693), (479, 15699), (487, 15729), (529, 15834), (532, 15843), (533, 15846), (543, 15882), (562, 15960), (585, 16059), (592, 16080), (600, 16113), (609, 16143), (616, 16173), (619, 16182), (621, 16188), (631, 16203), (632, 16206), (638, 16230), (648, 16260), (652, 16272), (657, 16302), (667, 16344),

Gene: Royals2015_16 Start: 14826, Stop: 16535, Start Num: 83

Candidate Starts for Royals2015_16:

(Start: 83 @14826 has 222 MA's), (134, 14913), (Start: 158 @14958 has 2 MA's), (165, 14982), (199, 15087), (201, 15093), (206, 15111), (215, 15141), (254, 15246), (276, 15306), (284, 15327), (287, 15336), (294, 15360), (346, 15486), (350, 15501), (353, 15507), (367, 15543), (368, 15546), (373, 15558), (374, 15564), (390, 15612), (394, 15624), (395, 15630), (423, 15690), (427, 15702), (443, 15738), (445, 15750), (469, 15825), (471, 15834), (478, 15852), (479, 15858), (487, 15888), (529, 15993), (532, 16002), (533, 16005), (543, 16041), (562, 16119), (585, 16218), (592, 16239), (600, 16272), (609, 16302), (616, 16332), (619, 16341), (621, 16347), (631, 16362), (632, 16365), (638, 16389), (648, 16419), (652, 16431), (657, 16461), (667, 16503),

Gene: Rubeelu_18 Start: 14956, Stop: 16665, Start Num: 86

Candidate Starts for Rubeelu_18:

(Start: 86 @14956 has 47 MA's), (104, 14983), (Start: 158 @15088 has 2 MA's), (161, 15100), (171, 15136), (190, 15187), (195, 15208), (199, 15217), (201, 15223), (207, 15244), (211, 15256), (273, 15430), (276, 15436), (283, 15454), (287, 15466), (288, 15469), (294, 15490), (319, 15565), (328, 15592), (346, 15616), (347, 15619), (350, 15631), (367, 15673), (373, 15688), (374, 15694), (378, 15703), (390, 15742), (406, 15796), (423, 15820), (445, 15880), (464, 15946), (469, 15955), (471, 15964), (486, 16015), (487, 16018), (529, 16123), (543, 16171), (560, 16237), (577, 16309), (616, 16462), (619, 16471), (631, 16492), (635, 16507), (638, 16519), (650, 16555), (652, 16561),

Gene: Ruby_16 Start: 14774, Stop: 16483, Start Num: 83

Candidate Starts for Ruby_16:

(Start: 83 @14774 has 222 MA's), (134, 14861), (Start: 158 @14906 has 2 MA's), (165, 14930), (199, 15035), (201, 15041), (206, 15059), (215, 15089), (254, 15194), (273, 15248), (276, 15254), (279, 15263), (284, 15275), (287, 15284), (294, 15308), (305, 15344), (307, 15350), (311, 15362), (319, 15383), (320, 15386), (322, 15395), (328, 15410), (331, 15416), (346, 15434), (350, 15449), (353, 15455), (359, 15473), (360, 15476), (367, 15491), (373, 15506), (374, 15512), (385, 15542), (390, 15560), (394, 15572), (395, 15578), (423, 15638), (427, 15650), (443, 15686), (445, 15698), (451, 15719), (469, 15773), (471, 15782), (479, 15806), (487, 15836), (529, 15941), (533, 15953), (543, 15989), (554, 16028), (562, 16067), (585, 16166), (592, 16187), (600, 16220), (609, 16250), (616, 16280), (619, 16289), (621, 16295), (631, 16310), (632, 16313), (637, 16334), (638, 16337), (652, 16379), (657, 16409), (667, 16451), (668, 16457),

Gene: Ryadel_60 Start: 34285, Stop: 36021, Start Num: 67

Candidate Starts for Ryadel_60:

(Start: 63 @34276 has 2 MA's), (Start: 67 @34285 has 29 MA's), (122, 34375), (170, 34492), (184, 34528), (191, 34549), (199, 34576), (201, 34582), (210, 34612), (217, 34636), (236, 34687), (287, 34825), (289, 34831), (304, 34882), (305, 34885), (311, 34903), (346, 34954), (353, 34975), (354, 34978), (373, 35026), (374, 35032), (390, 35080), (392, 35086), (394, 35092), (415, 35152), (423, 35176), (424, 35179), (443, 35224), (446, 35239), (448, 35248), (451, 35257), (464, 35302), (471, 35320), (481, 35353), (533, 35491), (538, 35512), (557, 35578), (563, 35608), (576, 35662), (585,

35704), (592, 35725), (596, 35746), (600, 35758), (606, 35779), (621, 35833), (650, 35911), (657, 35947), (662, 35968), (668, 35995),

Gene: SG4_16 Start: 14957, Stop: 16666, Start Num: 83

Candidate Starts for SG4_16:

(Start: 83 @14957 has 222 MA's), (134, 15044), (Start: 158 @15089 has 2 MA's), (165, 15113), (199, 15218), (201, 15224), (206, 15242), (215, 15272), (254, 15377), (276, 15437), (284, 15458), (287, 15467), (294, 15491), (346, 15617), (350, 15632), (353, 15638), (367, 15674), (368, 15677), (373, 15689), (374, 15695), (390, 15743), (394, 15755), (395, 15761), (423, 15821), (427, 15833), (443, 15869), (445, 15881), (469, 15956), (471, 15965), (478, 15983), (479, 15989), (487, 16019), (529, 16124), (532, 16133), (533, 16136), (543, 16172), (562, 16250), (585, 16349), (592, 16370), (600, 16403), (609, 16433), (616, 16463), (619, 16472), (621, 16478), (631, 16493), (632, 16496), (638, 16520), (648, 16550), (652, 16562), (657, 16592), (667, 16634),

Gene: Saal_16 Start: 14790, Stop: 16499, Start Num: 83

Candidate Starts for Saal_16:

(Start: 83 @14790 has 222 MA's), (134, 14877), (Start: 158 @14922 has 2 MA's), (165, 14946), (184, 15003), (199, 15051), (201, 15057), (206, 15075), (215, 15105), (254, 15210), (273, 15264), (276, 15270), (279, 15279), (287, 15300), (294, 15324), (305, 15360), (307, 15366), (319, 15399), (320, 15402), (322, 15411), (328, 15426), (331, 15432), (346, 15450), (350, 15465), (353, 15471), (359, 15489), (360, 15492), (367, 15507), (373, 15522), (374, 15528), (390, 15576), (394, 15588), (395, 15594), (423, 15654), (427, 15666), (443, 15702), (445, 15714), (469, 15789), (471, 15798), (478, 15816), (479, 15822), (487, 15852), (529, 15957), (533, 15969), (543, 16005), (562, 16083), (592, 16203), (600, 16236), (609, 16266), (611, 16278), (616, 16296), (618, 16302), (619, 16305), (621, 16311), (631, 16326), (632, 16329), (637, 16350), (638, 16353), (652, 16395), (657, 16425), (667, 16467), (668, 16473),

Gene: Sahara_17 Start: 14784, Stop: 16493, Start Num: 100

Candidate Starts for Sahara_17:

(Start: 100 @14784 has 33 MA's), (157, 14901), (181, 14973), (182, 14976), (205, 15051), (220, 15090), (225, 15105), (246, 15147), (253, 15174), (283, 15264), (284, 15267), (333, 15399), (352, 15453), (380, 15534), (397, 15594), (398, 15600), (463, 15759), (473, 15777), (485, 15816), (508, 15888), (509, 15891), (512, 15912), (583, 16146), (587, 16161), (598, 16203), (619, 16284), (623, 16296), (624, 16299), (637, 16347), (645, 16377),

Gene: Saints25_25 Start: 19407, Stop: 21086, Start Num: 87

Candidate Starts for Saints25_25:

(Start: 87 @19407 has 85 MA's), (Start: 132 @19491 has 48 MA's), (Start: 167 @19569 has 1 MA's), (195, 19656), (201, 19671), (215, 19719), (229, 19758), (261, 19845), (274, 19878), (287, 19914), (295, 19944), (297, 19950), (321, 20019), (348, 20049), (351, 20061), (353, 20064), (374, 20121), (424, 20253), (426, 20259), (449, 20325), (451, 20331), (456, 20355), (471, 20403), (479, 20427), (481, 20436), (502, 20511), (532, 20562), (536, 20577), (578, 20739), (583, 20766), (592, 20796), (620, 20901), (650, 20979), (657, 21015), (660, 21024), (667, 21057), (673, 21072),

Gene: Samba_19 Start: 16728, Stop: 18374, Start Num: 93

Candidate Starts for Samba_19:

(71, 16692), (Start: 93 @16728 has 51 MA's), (144, 16830), (173, 16908), (Start: 179 @16911 has 11 MA's), (219, 17007), (233, 17046), (255, 17106), (262, 17127), (283, 17181), (288, 17196), (374, 17367), (385, 17397), (451, 17580), (456, 17604), (475, 17655), (502, 17748), (507, 17760), (516, 17805), (520, 17820), (559, 17952), (560, 17955), (583, 18054), (588, 18072), (601, 18123), (624, 18189), (643, 18252), (648, 18264),

Gene: Samman98_20 Start: 17337, Stop: 18917, Start Num: 99

Candidate Starts for Samman98_20:

(46, 17220), (Start: 99 @17337 has 65 MA's), (214, 17595), (221, 17616), (246, 17670), (257, 17709), (275, 17766), (283, 17787), (381, 17958), (387, 17976), (394, 18000), (398, 18021), (423, 18063), (451, 18144), (484, 18234), (499, 18279), (512, 18336), (513, 18339), (534, 18393), (562, 18483), (635, 18762), (637, 18771), (645, 18801),

Gene: Sampson_35 Start: 30699, Stop: 32321, Start Num: 90

Candidate Starts for Sampson_35:

(Start: 90 @30699 has 22 MA's), (106, 30720), (113, 30732), (137, 30783), (163, 30846), (190, 30918), (222, 31005), (247, 31056), (254, 31086), (284, 31167), (292, 31194), (354, 31293), (366, 31323), (370, 31332), (381, 31365), (382, 31368), (383, 31371), (386, 31380), (398, 31428), (423, 31476), (426, 31485), (457, 31584), (473, 31623), (478, 31635), (508, 31752), (515, 31791), (534, 31830), (558, 31887), (568, 31926), (570, 31935), (582, 31992), (584, 32004), (600, 32061), (601, 32067), (609, 32088), (620, 32121), (635, 32166), (667, 32295), (669, 32304),

Gene: Sandalphon_17 Start: 15361, Stop: 17070, Start Num: 83

Candidate Starts for Sandalphon_17:

(Start: 83 @15361 has 222 MA's), (134, 15448), (Start: 158 @15493 has 2 MA's), (165, 15517), (184, 15574), (199, 15622), (201, 15628), (206, 15646), (215, 15676), (254, 15781), (273, 15835), (276, 15841), (279, 15850), (287, 15871), (294, 15895), (305, 15931), (307, 15937), (319, 15970), (320, 15973), (322, 15982), (328, 15997), (331, 16003), (346, 16021), (350, 16036), (353, 16042), (359, 16060), (360, 16063), (367, 16078), (373, 16093), (374, 16099), (390, 16147), (394, 16159), (395, 16165), (423, 16225), (427, 16237), (443, 16273), (445, 16285), (469, 16360), (471, 16369), (478, 16387), (479, 16393), (487, 16423), (529, 16528), (533, 16540), (543, 16576), (562, 16654), (592, 16774), (600, 16807), (609, 16837), (611, 16849), (616, 16867), (618, 16873), (619, 16876), (621, 16882), (631, 16897), (632, 16900), (637, 16921), (638, 16924), (652, 16966), (657, 16996), (667, 17038), (668, 17044),

Gene: Santhid_18 Start: 14993, Stop: 16609, Start Num: 85

Candidate Starts for Santhid_18:

(Start: 85 @14993 has 14 MA's), (137, 15092), (145, 15116), (190, 15227), (191, 15230), (198, 15248), (201, 15257), (228, 15323), (234, 15338), (238, 15347), (243, 15353), (272, 15443), (291, 15497), (294, 15506), (353, 15596), (392, 15707), (421, 15779), (423, 15785), (426, 15794), (433, 15812), (460, 15902), (465, 15917), (495, 16001), (499, 16016), (502, 16034), (507, 16046), (529, 16112), (551, 16160), (556, 16172), (558, 16184), (563, 16205), (566, 16217), (570, 16232), (578, 16262), (585, 16298), (635, 16451), (644, 16487), (661, 16550), (665, 16571), (673, 16595), (677, 16601),

Gene: Sapo_16 Start: 14618, Stop: 16216, Start Num: 93

Candidate Starts for Sapo_16:

(Start: 93 @14618 has 51 MA's), (205, 14873), (237, 14945), (247, 14963), (249, 14972), (253, 14990), (291, 15098), (292, 15101), (351, 15194), (374, 15257), (409, 15368), (411, 15371), (423, 15392), (449, 15467), (454, 15488), (456, 15497), (495, 15608), (507, 15653), (513, 15683), (516, 15698), (588, 15914), (596, 15947), (616, 16007), (620, 16019), (643, 16094), (652, 16118), (658, 16151),

Gene: Sarma624_17 Start: 14767, Stop: 16344, Start Num: 158

Candidate Starts for Sarma624_17:

(Start: 83 @14635 has 222 MA's), (134, 14722), (Start: 158 @14767 has 2 MA's), (165, 14791), (199, 14896), (201, 14902), (206, 14920), (215, 14950), (254, 15055), (276, 15115), (284, 15136), (287, 15145), (294, 15169), (319, 15244), (320, 15247), (346, 15295), (350, 15310), (353, 15316), (367, 15352), (368, 15355), (373, 15367), (374, 15373), (390, 15421), (394, 15433), (395, 15439), (423, 15499), (427, 15511), (443, 15547), (445, 15559), (469, 15634), (471, 15643), (478, 15661), (479, 15667), (487, 15697), (529, 15802), (532, 15811), (533, 15814), (543, 15850), (562, 15928), (585, 16027), (592, 16048), (600, 16081), (609, 16111), (616, 16141), (619, 16150), (621, 16156), (631,

16171), (632, 16174), (638, 16198), (648, 16228), (652, 16240), (657, 16270), (667, 16312),

Gene: Sassafras_16 Start: 14940, Stop: 16649, Start Num: 83

Candidate Starts for Sassafras_16:

(Start: 83 @14940 has 222 MA's), (134, 15027), (Start: 158 @15072 has 2 MA's), (165, 15096), (199, 15201), (201, 15207), (206, 15225), (215, 15255), (254, 15360), (276, 15420), (284, 15441), (287, 15450), (294, 15474), (346, 15600), (350, 15615), (353, 15621), (367, 15657), (368, 15660), (373, 15672), (374, 15678), (390, 15726), (394, 15738), (395, 15744), (423, 15804), (427, 15816), (443, 15852), (445, 15864), (469, 15939), (471, 15948), (478, 15966), (479, 15972), (487, 16002), (529, 16107), (533, 16119), (543, 16155), (562, 16233), (585, 16332), (592, 16353), (600, 16386), (609, 16416), (616, 16446), (619, 16455), (621, 16461), (631, 16476), (632, 16479), (637, 16500), (638, 16503), (652, 16545), (657, 16575), (667, 16617),

Gene: Sassay_23 Start: 19334, Stop: 20929, Start Num: 132

Candidate Starts for Sassay_23:

(Start: 87 @19250 has 85 MA's), (Start: 132 @19334 has 48 MA's), (Start: 167 @19412 has 1 MA's), (195, 19499), (201, 19514), (215, 19562), (229, 19601), (261, 19688), (274, 19721), (287, 19757), (295, 19787), (297, 19793), (321, 19862), (348, 19892), (351, 19904), (353, 19907), (374, 19964), (424, 20096), (426, 20102), (449, 20168), (451, 20174), (456, 20198), (471, 20246), (479, 20270), (481, 20279), (502, 20354), (532, 20405), (536, 20420), (578, 20582), (583, 20609), (592, 20639), (620, 20744), (650, 20822), (657, 20858), (660, 20867), (667, 20900), (673, 20915),

Gene: SassyB_16 Start: 14854, Stop: 16563, Start Num: 83

Candidate Starts for SassyB_16:

(Start: 83 @14854 has 222 MA's), (134, 14941), (Start: 158 @14986 has 2 MA's), (165, 15010), (199, 15115), (201, 15121), (206, 15139), (215, 15169), (254, 15274), (276, 15334), (279, 15343), (283, 15352), (284, 15355), (287, 15364), (294, 15388), (346, 15514), (350, 15529), (353, 15535), (367, 15571), (368, 15574), (373, 15586), (374, 15592), (390, 15640), (394, 15652), (395, 15658), (423, 15718), (427, 15730), (443, 15766), (445, 15778), (469, 15853), (471, 15862), (478, 15880), (479, 15886), (487, 15916), (529, 16021), (532, 16030), (533, 16033), (543, 16069), (562, 16147), (585, 16246), (592, 16267), (600, 16300), (609, 16330), (616, 16360), (619, 16369), (621, 16375), (631, 16390), (632, 16393), (638, 16417), (648, 16447), (652, 16459), (657, 16489), (667, 16531),

Gene: Savage_17 Start: 14758, Stop: 16467, Start Num: 100

Candidate Starts for Savage_17:

(Start: 100 @14758 has 33 MA's), (157, 14875), (205, 15025), (220, 15064), (225, 15079), (253, 15148), (257, 15160), (283, 15238), (284, 15241), (333, 15373), (352, 15427), (380, 15508), (397, 15568), (398, 15574), (400, 15580), (442, 15661), (451, 15697), (463, 15733), (473, 15751), (485, 15790), (508, 15862), (512, 15886), (583, 16120), (587, 16135), (598, 16177), (623, 16270), (624, 16273), (637, 16321), (645, 16351),

Gene: Schatzie_34 Start: 26625, Stop: 28358, Start Num: 84

Candidate Starts for Schatzie_34:

(Start: 84 @26625 has 30 MA's), (Start: 132 @26715 has 48 MA's), (155, 26763), (165, 26793), (173, 26820), (207, 26922), (216, 26952), (252, 27051), (263, 27087), (265, 27093), (274, 27114), (297, 27186), (300, 27195), (307, 27216), (331, 27285), (353, 27324), (354, 27327), (359, 27342), (374, 27381), (390, 27429), (394, 27441), (395, 27447), (413, 27495), (416, 27504), (424, 27525), (430, 27543), (447, 27591), (478, 27693), (495, 27753), (499, 27765), (536, 27849), (539, 27861), (540, 27867), (546, 27879), (547, 27882), (556, 27921), (560, 27939), (569, 27975), (570, 27981), (592, 28068), (615, 28158), (635, 28200), (640, 28218), (649, 28248), (658, 28290), (673, 28344),

Gene: Schmidt_20 Start: 14705, Stop: 16033, Start Num: 179

Candidate Starts for Schmidt_20:

(159, 14639), (166, 14663), (Start: 179 @14705 has 11 MA's), (218, 14813), (226, 14834), (242, 14867), (255, 14909), (270, 14954), (289, 15011), (294, 15029), (338, 15134), (388, 15173), (403, 15227), (408, 15236), (420, 15245), (440, 15290), (473, 15365), (476, 15374), (482, 15392), (499, 15446), (509, 15482), (550, 15578), (594, 15746), (601, 15773), (605, 15788), (624, 15839), (635, 15878), (639, 15893), (645, 15917), (651, 15932), (654, 15950), (669, 16016),

Gene: Schnauzer_18 Start: 14989, Stop: 16698, Start Num: 86

Candidate Starts for Schnauzer_18:

(Start: 86 @14989 has 47 MA's), (104, 15016), (Start: 158 @15121 has 2 MA's), (161, 15133), (171, 15169), (190, 15220), (199, 15250), (201, 15256), (209, 15283), (211, 15289), (254, 15409), (273, 15463), (276, 15469), (283, 15487), (287, 15499), (288, 15502), (294, 15523), (307, 15565), (319, 15598), (346, 15649), (350, 15664), (367, 15706), (373, 15721), (374, 15727), (390, 15775), (396, 15799), (406, 15829), (423, 15853), (445, 15913), (448, 15925), (464, 15979), (469, 15988), (486, 16048), (487, 16051), (529, 16156), (532, 16165), (543, 16204), (577, 16342), (615, 16492), (616, 16495), (619, 16504), (631, 16525), (638, 16552), (650, 16588), (673, 16681),

Gene: SchoolBus_56 Start: 33469, Stop: 35205, Start Num: 67

Candidate Starts for SchoolBus_56:

(Start: 63 @33460 has 2 MA's), (Start: 67 @33469 has 29 MA's), (122, 33559), (170, 33676), (184, 33712), (191, 33733), (199, 33760), (201, 33766), (210, 33796), (217, 33820), (236, 33871), (287, 34009), (289, 34015), (304, 34066), (305, 34069), (311, 34087), (346, 34138), (353, 34159), (354, 34162), (373, 34210), (374, 34216), (390, 34264), (392, 34270), (394, 34276), (415, 34336), (423, 34360), (424, 34363), (443, 34408), (446, 34423), (448, 34432), (451, 34441), (464, 34486), (471, 34504), (481, 34537), (533, 34675), (538, 34696), (557, 34762), (563, 34792), (576, 34846), (585, 34888), (592, 34909), (596, 34930), (600, 34942), (606, 34963), (621, 35017), (650, 35095), (657, 35131), (662, 35152), (668, 35179),

Gene: Schuy_57 Start: 33260, Stop: 34996, Start Num: 67

Candidate Starts for Schuy_57:

(Start: 63 @33251 has 2 MA's), (Start: 67 @33260 has 29 MA's), (122, 33350), (170, 33467), (184, 33503), (191, 33524), (199, 33551), (201, 33557), (210, 33587), (217, 33611), (236, 33662), (287, 33800), (289, 33806), (304, 33857), (305, 33860), (311, 33878), (346, 33929), (353, 33950), (354, 33953), (373, 34001), (374, 34007), (390, 34055), (392, 34061), (394, 34067), (415, 34127), (423, 34151), (424, 34154), (443, 34199), (446, 34214), (448, 34223), (451, 34232), (464, 34277), (471, 34295), (481, 34328), (533, 34466), (538, 34487), (557, 34553), (563, 34583), (576, 34637), (585, 34679), (592, 34700), (596, 34721), (600, 34733), (606, 34754), (621, 34808), (650, 34886), (657, 34922), (662, 34943), (668, 34970),

Gene: Scioto_35 Start: 30754, Stop: 32376, Start Num: 90

Candidate Starts for Scioto_35:

(Start: 90 @30754 has 22 MA's), (106, 30775), (113, 30787), (137, 30838), (163, 30901), (190, 30973), (222, 31060), (247, 31111), (254, 31141), (284, 31222), (292, 31249), (354, 31348), (366, 31378), (370, 31387), (381, 31420), (382, 31423), (383, 31426), (386, 31435), (398, 31483), (423, 31531), (426, 31540), (457, 31639), (473, 31678), (478, 31690), (508, 31807), (515, 31846), (534, 31885), (558, 31942), (568, 31981), (570, 31990), (582, 32047), (584, 32059), (600, 32116), (601, 32122), (609, 32143), (620, 32176), (635, 32221), (667, 32350), (669, 32359),

Gene: Scitech_18 Start: 14986, Stop: 16695, Start Num: 86

Candidate Starts for Scitech_18:

(Start: 86 @14986 has 47 MA's), (104, 15013), (Start: 158 @15118 has 2 MA's), (161, 15130), (171, 15166), (190, 15217), (199, 15247), (201, 15253), (209, 15280), (211, 15286), (254, 15406), (273, 15460), (276, 15466), (283, 15484), (287, 15496), (288, 15499), (294, 15520), (307, 15562), (319, 15595), (346, 15646), (350, 15661), (367, 15703), (373, 15718), (374, 15724), (390, 15772), (396,

15796), (406, 15826), (423, 15850), (445, 15910), (448, 15922), (464, 15976), (469, 15985), (486, 16045), (487, 16048), (529, 16153), (532, 16162), (543, 16201), (577, 16339), (615, 16489), (616, 16492), (619, 16501), (631, 16522), (638, 16549), (650, 16585), (673, 16678),

Gene: Scottish_17 Start: 16108, Stop: 17817, Start Num: 83

Candidate Starts for Scottish_17:

(Start: 83 @16108 has 222 MA's), (134, 16195), (Start: 158 @16240 has 2 MA's), (165, 16264), (199, 16369), (201, 16375), (206, 16393), (215, 16423), (254, 16528), (276, 16588), (279, 16597), (287, 16618), (294, 16642), (305, 16678), (307, 16684), (319, 16717), (320, 16720), (322, 16729), (328, 16744), (331, 16750), (346, 16768), (350, 16783), (353, 16789), (359, 16807), (360, 16810), (367, 16825), (368, 16828), (373, 16840), (374, 16846), (390, 16894), (394, 16906), (395, 16912), (423, 16972), (427, 16984), (443, 17020), (445, 17032), (469, 17107), (471, 17116), (478, 17134), (479, 17140), (487, 17170), (529, 17275), (532, 17284), (533, 17287), (543, 17323), (562, 17401), (585, 17500), (592, 17521), (600, 17554), (609, 17584), (611, 17596), (616, 17614), (618, 17620), (619, 17623), (621, 17629), (631, 17644), (632, 17647), (637, 17668), (638, 17671), (652, 17713), (667, 17785), (668, 17791),

Gene: Scuba_50 Start: 30760, Stop: 32379, Start Num: 91

Candidate Starts for Scuba_50:

(Start: 91 @30760 has 39 MA's), (Start: 100 @30775 has 33 MA's), (124, 30814), (153, 30874), (253, 31141), (278, 31207), (283, 31222), (295, 31258), (327, 31333), (340, 31363), (342, 31366), (346, 31384), (374, 31423), (385, 31453), (453, 31657), (463, 31687), (483, 31735), (484, 31738), (517, 31861), (534, 31897), (592, 32083), (641, 32236), (657, 32302), (661, 32314), (673, 32359),

Gene: Seabastian_16 Start: 15041, Stop: 16750, Start Num: 83

Candidate Starts for Seabastian_16:

(Start: 83 @15041 has 222 MA's), (134, 15128), (143, 15149), (Start: 158 @15173 has 2 MA's), (165, 15197), (170, 15218), (199, 15302), (201, 15308), (206, 15326), (215, 15356), (254, 15461), (273, 15515), (276, 15521), (283, 15539), (284, 15542), (287, 15551), (294, 15575), (319, 15650), (322, 15662), (328, 15677), (331, 15683), (346, 15701), (350, 15716), (353, 15722), (362, 15749), (367, 15758), (373, 15773), (374, 15779), (390, 15827), (394, 15839), (395, 15845), (423, 15905), (427, 15917), (443, 15953), (445, 15965), (451, 15986), (469, 16040), (471, 16049), (478, 16067), (479, 16073), (487, 16103), (529, 16208), (532, 16217), (533, 16220), (543, 16256), (554, 16295), (562, 16334), (592, 16454), (600, 16487), (609, 16517), (616, 16547), (619, 16556), (621, 16562), (631, 16577), (632, 16580), (637, 16601), (638, 16604), (650, 16640), (652, 16646), (657, 16676), (667, 16718),

Gene: Seagreen_17 Start: 14650, Stop: 16359, Start Num: 83

Candidate Starts for Seagreen_17:

(Start: 83 @14650 has 222 MA's), (134, 14737), (Start: 158 @14782 has 2 MA's), (165, 14806), (170, 14827), (199, 14911), (201, 14917), (206, 14935), (215, 14965), (254, 15070), (276, 15130), (279, 15139), (283, 15148), (284, 15151), (287, 15160), (292, 15178), (294, 15184), (346, 15310), (350, 15325), (353, 15331), (367, 15367), (368, 15370), (373, 15382), (374, 15388), (390, 15436), (394, 15448), (395, 15454), (423, 15514), (427, 15526), (443, 15562), (445, 15574), (469, 15649), (471, 15658), (478, 15676), (479, 15682), (487, 15712), (529, 15817), (532, 15826), (533, 15829), (543, 15865), (560, 15931), (562, 15943), (585, 16042), (592, 16063), (600, 16096), (609, 16126), (616, 16156), (619, 16165), (621, 16171), (631, 16186), (632, 16189), (638, 16213), (648, 16243), (652, 16255), (657, 16285), (667, 16327),

Gene: Sekhmet_20 Start: 17697, Stop: 19277, Start Num: 99

Candidate Starts for Sekhmet_20:

(46, 17580), (Start: 99 @17697 has 65 MA's), (214, 17955), (221, 17976), (246, 18030), (257, 18069), (275, 18126), (283, 18147), (381, 18318), (387, 18336), (394, 18360), (398, 18381), (423, 18423),

(451, 18504), (484, 18594), (512, 18696), (513, 18699), (534, 18753), (575, 18891), (607, 19023), (635, 19122), (637, 19131), (645, 19161),

Gene: Shaboozey_28 Start: 23259, Stop: 24992, Start Num: 84

Candidate Starts for Shaboozey_28:

(Start: 84 @23259 has 30 MA's), (Start: 132 @23349 has 48 MA's), (134, 23352), (173, 23454), (195, 23520), (207, 23556), (216, 23586), (220, 23601), (252, 23685), (263, 23721), (274, 23748), (288, 23787), (297, 23820), (300, 23829), (320, 23886), (336, 23928), (371, 24003), (374, 24015), (394, 24075), (413, 24129), (424, 24159), (430, 24177), (435, 24186), (446, 24219), (449, 24231), (451, 24237), (462, 24276), (479, 24333), (536, 24483), (540, 24501), (553, 24543), (558, 24567), (559, 24570), (562, 24585), (570, 24615), (578, 24645), (592, 24702), (640, 24852), (669, 24972), (673, 24978),

Gene: ShamWow_24 Start: 19746, Stop: 21425, Start Num: 87

Candidate Starts for ShamWow_24:

(Start: 87 @19746 has 85 MA's), (Start: 132 @19830 has 48 MA's), (Start: 167 @19908 has 1 MA's), (195, 19995), (201, 20010), (215, 20058), (229, 20097), (261, 20184), (274, 20217), (287, 20253), (295, 20283), (297, 20289), (321, 20358), (348, 20388), (351, 20400), (353, 20403), (374, 20460), (424, 20592), (426, 20598), (449, 20664), (451, 20670), (456, 20694), (471, 20742), (479, 20766), (481, 20775), (502, 20850), (532, 20901), (536, 20916), (578, 21078), (583, 21105), (592, 21135), (620, 21240), (650, 21318), (657, 21354), (660, 21363), (667, 21396), (673, 21411),

Gene: Shauna1_16 Start: 14859, Stop: 16568, Start Num: 83

Candidate Starts for Shauna1_16:

(Start: 83 @14859 has 222 MA's), (134, 14946), (Start: 158 @14991 has 2 MA's), (165, 15015), (199, 15120), (201, 15126), (206, 15144), (215, 15174), (254, 15279), (276, 15339), (284, 15360), (287, 15369), (294, 15393), (319, 15468), (320, 15471), (346, 15519), (350, 15534), (353, 15540), (367, 15576), (368, 15579), (373, 15591), (374, 15597), (390, 15645), (394, 15657), (395, 15663), (423, 15723), (427, 15735), (443, 15771), (445, 15783), (469, 15858), (471, 15867), (478, 15885), (479, 15891), (487, 15921), (529, 16026), (532, 16035), (533, 16038), (543, 16074), (562, 16152), (585, 16251), (592, 16272), (600, 16305), (609, 16335), (616, 16365), (619, 16374), (621, 16380), (631, 16395), (632, 16398), (638, 16422), (648, 16452), (652, 16464), (657, 16494), (667, 16536),

Gene: SheckWes_17 Start: 15415, Stop: 17109, Start Num: 77

Candidate Starts for SheckWes_17:

(Start: 73 @15412 has 9 MA's), (Start: 77 @15415 has 39 MA's), (135, 15514), (154, 15556), (164, 15577), (203, 15694), (243, 15796), (271, 15883), (283, 15913), (291, 15940), (307, 15985), (332, 16003), (345, 16018), (350, 16033), (370, 16090), (381, 16123), (385, 16135), (412, 16222), (422, 16240), (432, 16270), (443, 16300), (446, 16315), (458, 16363), (475, 16414), (485, 16450), (490, 16465), (497, 16483), (511, 16540), (559, 16669), (561, 16681), (585, 16780), (586, 16783), (592, 16801), (612, 16879), (620, 16906), (633, 16948), (669, 17095), (673, 17101),

Gene: ShereKhan_26 Start: 20729, Stop: 22408, Start Num: 87

Candidate Starts for ShereKhan_26:

(Start: 87 @20729 has 85 MA's), (Start: 132 @20813 has 48 MA's), (Start: 167 @20891 has 1 MA's), (195, 20978), (201, 20993), (215, 21041), (229, 21080), (261, 21167), (274, 21200), (287, 21236), (295, 21266), (297, 21272), (321, 21341), (348, 21371), (351, 21383), (353, 21386), (374, 21443), (424, 21575), (426, 21581), (449, 21647), (451, 21653), (456, 21677), (471, 21725), (479, 21749), (481, 21758), (502, 21833), (532, 21884), (536, 21899), (578, 22061), (583, 22088), (592, 22118), (620, 22223), (650, 22301), (657, 22337), (660, 22346), (667, 22379), (673, 22394),

Gene: ShiLan_16 Start: 14812, Stop: 16521, Start Num: 83

Candidate Starts for ShiLan_16:

(Start: 83 @14812 has 222 MA's), (134, 14899), (Start: 158 @14944 has 2 MA's), (165, 14968), (199, 15073), (201, 15079), (206, 15097), (215, 15127), (254, 15232), (273, 15286), (276, 15292), (279, 15301), (287, 15322), (294, 15346), (305, 15382), (307, 15388), (319, 15421), (320, 15424), (322, 15433), (328, 15448), (331, 15454), (346, 15472), (350, 15487), (353, 15493), (359, 15511), (360, 15514), (367, 15529), (373, 15544), (374, 15550), (390, 15598), (394, 15610), (395, 15616), (423, 15676), (427, 15688), (443, 15724), (445, 15736), (469, 15811), (471, 15820), (478, 15838), (479, 15844), (487, 15874), (529, 15979), (533, 15991), (543, 16027), (562, 16105), (592, 16225), (600, 16258), (609, 16288), (611, 16300), (616, 16318), (618, 16324), (619, 16327), (621, 16333), (631, 16348), (632, 16351), (637, 16372), (638, 16375), (652, 16417), (657, 16447), (667, 16489), (668, 16495),

Gene: Shida_56 Start: 33167, Stop: 34903, Start Num: 67

Candidate Starts for Shida_56:

(Start: 63 @33158 has 2 MA's), (Start: 67 @33167 has 29 MA's), (122, 33257), (170, 33374), (184, 33410), (191, 33431), (199, 33458), (201, 33464), (210, 33494), (217, 33518), (236, 33569), (287, 33707), (289, 33713), (304, 33764), (305, 33767), (311, 33785), (346, 33836), (353, 33857), (354, 33860), (373, 33908), (374, 33914), (390, 33962), (392, 33968), (394, 33974), (415, 34034), (423, 34058), (424, 34061), (443, 34106), (446, 34121), (448, 34130), (451, 34139), (464, 34184), (471, 34202), (481, 34235), (533, 34373), (538, 34394), (557, 34460), (563, 34490), (576, 34544), (585, 34586), (592, 34607), (596, 34628), (600, 34640), (606, 34661), (621, 34715), (650, 34793), (657, 34829), (662, 34850), (668, 34877),

Gene: Shipwreck_18 Start: 16086, Stop: 17822, Start Num: 80

Candidate Starts for Shipwreck_18:

(Start: 65 @16062 has 2 MA's), (Start: 80 @16086 has 48 MA's), (115, 16146), (125, 16167), (127, 16170), (176, 16290), (190, 16329), (200, 16362), (207, 16386), (250, 16506), (261, 16545), (263, 16551), (292, 16635), (294, 16641), (297, 16653), (305, 16677), (315, 16704), (321, 16722), (337, 16761), (346, 16767), (354, 16791), (374, 16845), (379, 16857), (382, 16866), (398, 16926), (430, 17004), (445, 17043), (453, 17076), (471, 17142), (477, 17157), (479, 17166), (485, 17190), (495, 17220), (499, 17232), (540, 17334), (546, 17346), (547, 17349), (548, 17355), (549, 17364), (576, 17472), (596, 17556), (625, 17655), (660, 17763), (673, 17811),

Gene: Shlim410_20 Start: 17902, Stop: 19482, Start Num: 99

Candidate Starts for Shlim410_20:

(46, 17785), (Start: 99 @17902 has 65 MA's), (214, 18160), (221, 18181), (246, 18235), (257, 18274), (275, 18331), (283, 18352), (381, 18523), (387, 18541), (394, 18565), (398, 18586), (423, 18628), (451, 18709), (484, 18799), (500, 18850), (512, 18901), (513, 18904), (534, 18958), (562, 19048), (635, 19327), (637, 19336), (645, 19366),

Gene: ShowerHandel_16 Start: 14813, Stop: 16522, Start Num: 83

Candidate Starts for ShowerHandel_16:

(Start: 83 @14813 has 222 MA's), (134, 14900), (Start: 158 @14945 has 2 MA's), (165, 14969), (199, 15074), (201, 15080), (206, 15098), (215, 15128), (254, 15233), (273, 15287), (276, 15293), (279, 15302), (287, 15323), (294, 15347), (305, 15383), (307, 15389), (319, 15422), (320, 15425), (322, 15434), (328, 15449), (331, 15455), (346, 15473), (350, 15488), (353, 15494), (359, 15512), (360, 15515), (367, 15530), (373, 15545), (374, 15551), (390, 15599), (394, 15611), (395, 15617), (423, 15677), (427, 15689), (443, 15725), (445, 15737), (469, 15812), (471, 15821), (478, 15839), (479, 15845), (487, 15875), (529, 15980), (533, 15992), (543, 16028), (562, 16106), (592, 16226), (600, 16259), (609, 16289), (611, 16301), (616, 16319), (618, 16325), (619, 16328), (621, 16334), (631, 16349), (632, 16352), (637, 16373), (638, 16376), (652, 16418), (657, 16448), (667, 16490), (668, 16496),

Gene: ShrimpFriedEgg_18 Start: 14993, Stop: 16702, Start Num: 86

Candidate Starts for ShrimpFriedEgg_18:

(Start: 86 @14993 has 47 MA's), (104, 15020), (125, 15059), (Start: 158 @15125 has 2 MA's), (161, 15137), (171, 15173), (182, 15197), (190, 15224), (195, 15245), (199, 15254), (201, 15260), (211, 15293), (273, 15467), (276, 15473), (279, 15482), (283, 15491), (287, 15503), (294, 15527), (307, 15569), (319, 15602), (346, 15653), (347, 15656), (350, 15668), (367, 15710), (373, 15725), (374, 15731), (390, 15779), (406, 15833), (423, 15857), (448, 15929), (464, 15983), (469, 15992), (471, 16001), (479, 16025), (486, 16052), (487, 16055), (529, 16160), (532, 16169), (543, 16208), (563, 16289), (577, 16346), (585, 16385), (616, 16499), (631, 16529), (632, 16532), (638, 16556), (650, 16592),

Gene: ShroomBoi_16 Start: 14841, Stop: 16550, Start Num: 83

Candidate Starts for ShroomBoi_16:

(Start: 83 @14841 has 222 MA's), (134, 14928), (Start: 158 @14973 has 2 MA's), (165, 14997), (199, 15102), (201, 15108), (206, 15126), (215, 15156), (254, 15261), (276, 15321), (284, 15342), (287, 15351), (294, 15375), (346, 15501), (350, 15516), (353, 15522), (367, 15558), (368, 15561), (373, 15573), (374, 15579), (390, 15627), (394, 15639), (395, 15645), (423, 15705), (427, 15717), (443, 15753), (445, 15765), (469, 15840), (471, 15849), (478, 15867), (479, 15873), (487, 15903), (529, 16008), (532, 16017), (533, 16020), (543, 16056), (562, 16134), (585, 16233), (592, 16254), (600, 16287), (609, 16317), (616, 16347), (618, 16353), (619, 16356), (621, 16362), (631, 16377), (632, 16380), (637, 16401), (652, 16446), (657, 16476), (667, 16518), (668, 16524),

Gene: Shweta_18 Start: 14993, Stop: 16702, Start Num: 86

Candidate Starts for Shweta_18:

(Start: 86 @14993 has 47 MA's), (104, 15020), (125, 15059), (Start: 158 @15125 has 2 MA's), (161, 15137), (171, 15173), (182, 15197), (190, 15224), (195, 15245), (199, 15254), (201, 15260), (211, 15293), (273, 15467), (276, 15473), (279, 15482), (283, 15491), (287, 15503), (294, 15527), (307, 15569), (319, 15602), (346, 15653), (347, 15656), (350, 15668), (367, 15710), (373, 15725), (374, 15731), (390, 15779), (406, 15833), (423, 15857), (448, 15929), (464, 15983), (469, 15992), (471, 16001), (479, 16025), (486, 16052), (487, 16055), (529, 16160), (532, 16169), (543, 16208), (563, 16289), (577, 16346), (585, 16385), (616, 16499), (631, 16529), (632, 16532), (638, 16556), (650, 16592),

Gene: SiSi_16 Start: 14795, Stop: 16504, Start Num: 83

Candidate Starts for SiSi_16:

(Start: 83 @14795 has 222 MA's), (134, 14882), (Start: 158 @14927 has 2 MA's), (165, 14951), (184, 15008), (199, 15056), (201, 15062), (206, 15080), (215, 15110), (254, 15215), (273, 15269), (276, 15275), (279, 15284), (284, 15296), (287, 15305), (294, 15329), (305, 15365), (307, 15371), (311, 15383), (319, 15404), (320, 15407), (322, 15416), (328, 15431), (331, 15437), (346, 15455), (350, 15470), (353, 15476), (359, 15494), (360, 15497), (367, 15512), (373, 15527), (374, 15533), (385, 15563), (390, 15581), (394, 15593), (395, 15599), (423, 15659), (427, 15671), (443, 15707), (445, 15719), (451, 15740), (469, 15794), (471, 15803), (479, 15827), (487, 15857), (529, 15962), (533, 15974), (543, 16010), (554, 16049), (562, 16088), (585, 16187), (592, 16208), (600, 16241), (609, 16271), (616, 16301), (619, 16310), (621, 16316), (631, 16331), (632, 16334), (637, 16355), (638, 16358), (652, 16400), (657, 16430), (667, 16472), (668, 16478),

Gene: Sidious_19 Start: 17289, Stop: 18887, Start Num: 99

Candidate Starts for Sidious_19:

(26, 16992), (28, 17067), (30, 17088), (Start: 99 @17289 has 65 MA's), (168, 17409), (208, 17538), (214, 17547), (220, 17565), (221, 17568), (246, 17622), (291, 17766), (294, 17775), (314, 17838), (333, 17874), (334, 17877), (381, 17910), (397, 17967), (423, 18033), (461, 18144), (473, 18168), (484, 18204), (512, 18306), (534, 18363), (562, 18453), (624, 18693), (645, 18771),

Gene: Silvafighter_18 Start: 14989, Stop: 16698, Start Num: 86

Candidate Starts for Silvafighter_18:

(Start: 86 @14989 has 47 MA's), (104, 15016), (Start: 158 @15121 has 2 MA's), (161, 15133), (171, 15169), (190, 15220), (199, 15250), (201, 15256), (209, 15283), (211, 15289), (254, 15409), (273, 15463), (276, 15469), (283, 15487), (287, 15499), (288, 15502), (294, 15523), (307, 15565), (319, 15598), (346, 15649), (350, 15664), (367, 15706), (373, 15721), (374, 15727), (390, 15775), (396, 15799), (406, 15829), (423, 15853), (445, 15913), (448, 15925), (464, 15979), (469, 15988), (486, 16048), (487, 16051), (529, 16156), (532, 16165), (543, 16204), (577, 16342), (615, 16492), (616, 16495), (619, 16504), (631, 16525), (638, 16552), (650, 16588), (673, 16681),

Gene: Silvy_18 Start: 14990, Stop: 16699, Start Num: 86

Candidate Starts for Silvy_18:

(Start: 86 @14990 has 47 MA's), (104, 15017), (Start: 158 @15122 has 2 MA's), (161, 15134), (171, 15170), (190, 15221), (199, 15251), (201, 15257), (209, 15284), (211, 15290), (254, 15410), (273, 15464), (276, 15470), (283, 15488), (287, 15500), (288, 15503), (294, 15524), (307, 15566), (319, 15599), (346, 15650), (350, 15665), (367, 15707), (373, 15722), (374, 15728), (390, 15776), (396, 15800), (406, 15830), (423, 15854), (445, 15914), (448, 15926), (464, 15980), (469, 15989), (486, 16049), (487, 16052), (529, 16157), (532, 16166), (543, 16205), (577, 16343), (615, 16493), (616, 16496), (619, 16505), (631, 16526), (638, 16553), (650, 16589), (673, 16682),

Gene: Simpliphy_25 Start: 19491, Stop: 21170, Start Num: 87

Candidate Starts for Simpliphy_25:

(Start: 87 @19491 has 85 MA's), (Start: 132 @19575 has 48 MA's), (Start: 167 @19653 has 1 MA's), (195, 19740), (201, 19755), (215, 19803), (229, 19842), (261, 19929), (274, 19962), (287, 19998), (295, 20028), (297, 20034), (321, 20103), (348, 20133), (351, 20145), (353, 20148), (374, 20205), (424, 20337), (426, 20343), (449, 20409), (451, 20415), (456, 20439), (471, 20487), (479, 20511), (481, 20520), (502, 20595), (532, 20646), (536, 20661), (578, 20823), (583, 20850), (592, 20880), (620, 20985), (650, 21063), (657, 21099), (660, 21108), (667, 21141), (673, 21156),

Gene: SimranZ1_17 Start: 14664, Stop: 16373, Start Num: 83

Candidate Starts for SimranZ1_17:

(Start: 83 @14664 has 222 MA's), (134, 14751), (Start: 158 @14796 has 2 MA's), (165, 14820), (199, 14925), (201, 14931), (206, 14949), (215, 14979), (254, 15084), (276, 15144), (287, 15174), (294, 15198), (307, 15240), (319, 15273), (328, 15300), (346, 15324), (350, 15339), (353, 15345), (367, 15381), (368, 15384), (373, 15396), (374, 15402), (390, 15450), (394, 15462), (395, 15468), (423, 15528), (427, 15540), (443, 15576), (445, 15588), (451, 15609), (469, 15663), (471, 15672), (478, 15690), (479, 15696), (487, 15726), (529, 15831), (532, 15840), (533, 15843), (543, 15879), (554, 15918), (562, 15957), (585, 16056), (592, 16077), (600, 16110), (609, 16140), (616, 16170), (618, 16176), (619, 16179), (621, 16185), (631, 16200), (632, 16203), (638, 16227), (652, 16269), (667, 16341),

Gene: SirDuracell_23 Start: 18412, Stop: 20091, Start Num: 87

Candidate Starts for SirDuracell_23:

(Start: 87 @18412 has 85 MA's), (Start: 132 @18496 has 48 MA's), (Start: 167 @18574 has 1 MA's), (195, 18661), (201, 18676), (215, 18724), (229, 18763), (261, 18850), (274, 18883), (287, 18919), (295, 18949), (297, 18955), (321, 19024), (348, 19054), (351, 19066), (353, 19069), (374, 19126), (424, 19258), (426, 19264), (449, 19330), (451, 19336), (456, 19360), (471, 19408), (479, 19432), (481, 19441), (502, 19516), (532, 19567), (536, 19582), (578, 19744), (583, 19771), (592, 19801), (620, 19906), (650, 19984), (657, 20020), (660, 20029), (667, 20062), (673, 20077),

Gene: Sixama_99 Start: 59417, Stop: 61093, Start Num: 60

Candidate Starts for Sixama_99:

(Start: 60 @59417 has 1 MA's), (Start: 75 @59450 has 5 MA's), (156, 59600), (157, 59603), (Start: 167 @59636 has 1 MA's), (181, 59666), (182, 59669), (260, 59879), (271, 59909), (287, 59951), (291,

59966), (292, 59969), (351, 60065), (366, 60101), (490, 60461), (499, 60497), (529, 60593), (535, 60611), (550, 60635), (570, 60713), (639, 60953), (667, 61067), (673, 61082),

Gene: SketchMex_17 Start: 15377, Stop: 17077, Start Num: 73

Candidate Starts for SketchMex_17:

(61, 15350), (Start: 73 @15377 has 9 MA's), (Start: 77 @15380 has 39 MA's), (178, 15590), (238, 15758), (243, 15764), (280, 15872), (283, 15881), (291, 15908), (300, 15938), (307, 15953), (345, 15986), (349, 15998), (361, 16034), (381, 16091), (385, 16103), (443, 16268), (485, 16418), (490, 16433), (497, 16451), (511, 16508), (559, 16637), (561, 16649), (566, 16667), (569, 16676), (585, 16748), (586, 16751), (588, 16757), (592, 16769), (620, 16874), (623, 16883), (633, 16916),

Gene: SkinnyPete_18 Start: 14990, Stop: 16699, Start Num: 86

Candidate Starts for SkinnyPete_18:

(Start: 86 @14990 has 47 MA's), (104, 15017), (125, 15056), (Start: 158 @15122 has 2 MA's), (161, 15134), (171, 15170), (182, 15194), (190, 15221), (195, 15242), (199, 15251), (201, 15257), (211, 15290), (273, 15464), (276, 15470), (279, 15479), (283, 15488), (287, 15500), (294, 15524), (307, 15566), (319, 15599), (346, 15650), (347, 15653), (350, 15665), (367, 15707), (373, 15722), (374, 15728), (390, 15776), (406, 15830), (423, 15854), (448, 15926), (464, 15980), (469, 15989), (471, 15998), (479, 16022), (486, 16049), (487, 16052), (529, 16157), (532, 16166), (543, 16205), (563, 16286), (577, 16343), (585, 16382), (616, 16496), (631, 16526), (632, 16529), (638, 16553), (650, 16589),

Gene: Skysand_43 Start: 30914, Stop: 32536, Start Num: 91

Candidate Starts for Skysand_43:

(Start: 91 @30914 has 39 MA's), (153, 31031), (183, 31109), (246, 31271), (249, 31283), (253, 31298), (278, 31364), (283, 31379), (327, 31490), (340, 31520), (342, 31523), (374, 31580), (396, 31652), (428, 31736), (438, 31757), (463, 31844), (483, 31892), (517, 32018), (518, 32021), (534, 32054), (560, 32111), (592, 32240), (601, 32279), (638, 32384), (655, 32447), (657, 32459), (661, 32471), (662, 32480), (673, 32516),

Gene: Sleepyhead_18 Start: 15726, Stop: 17306, Start Num: 96

Candidate Starts for Sleepyhead_18:

(Start: 96 @15726 has 1 MA's), (138, 15813), (166, 15879), (220, 16026), (225, 16041), (254, 16119), (263, 16146), (391, 16431), (396, 16452), (448, 16581), (450, 16587), (475, 16647), (483, 16674), (484, 16677), (496, 16710), (499, 16722), (507, 16752), (513, 16782), (518, 16803), (529, 16818), (570, 16938), (601, 17058), (604, 17070),

Gene: Slim_17 Start: 14596, Stop: 16305, Start Num: 83

Candidate Starts for Slim_17:

(Start: 83 @14596 has 222 MA's), (134, 14683), (Start: 158 @14728 has 2 MA's), (165, 14752), (199, 14857), (201, 14863), (206, 14881), (215, 14911), (254, 15016), (276, 15076), (283, 15094), (284, 15097), (287, 15106), (294, 15130), (346, 15256), (350, 15271), (353, 15277), (367, 15313), (368, 15316), (373, 15328), (374, 15334), (390, 15382), (394, 15394), (395, 15400), (423, 15460), (427, 15472), (443, 15508), (445, 15520), (469, 15595), (471, 15604), (478, 15622), (479, 15628), (487, 15658), (529, 15763), (533, 15775), (543, 15811), (562, 15889), (592, 16009), (600, 16042), (609, 16072), (611, 16084), (616, 16102), (618, 16108), (619, 16111), (621, 16117), (631, 16132), (632, 16135), (637, 16156), (638, 16159), (652, 16201), (657, 16231), (667, 16273), (668, 16279),

Gene: Smooch_59 Start: 35189, Stop: 36925, Start Num: 67

Candidate Starts for Smooch_59:

(Start: 63 @35180 has 2 MA's), (Start: 67 @35189 has 29 MA's), (122, 35279), (170, 35396), (184, 35432), (191, 35453), (199, 35480), (201, 35486), (210, 35516), (217, 35540), (236, 35591), (287, 35729), (289, 35735), (304, 35786), (305, 35789), (311, 35807), (346, 35858), (353, 35879), (354,

35882), (373, 35930), (374, 35936), (390, 35984), (392, 35990), (394, 35996), (415, 36056), (423, 36080), (424, 36083), (443, 36128), (446, 36143), (448, 36152), (451, 36161), (464, 36206), (471, 36224), (481, 36257), (533, 36395), (538, 36416), (546, 36437), (557, 36482), (563, 36512), (576, 36566), (585, 36608), (592, 36629), (596, 36650), (600, 36662), (606, 36683), (621, 36737), (650, 36815), (657, 36851), (662, 36872), (668, 36899),

Gene: Smoothie_49 Start: 29612, Stop: 31303, Start Num: 74

Candidate Starts for Smoothie_49:

(Start: 74 @29612 has 17 MA's), (110, 29672), (129, 29705), (138, 29735), (139, 29738), (201, 29897), (204, 29906), (255, 30035), (272, 30083), (374, 30296), (376, 30302), (385, 30326), (433, 30455), (443, 30476), (451, 30509), (502, 30707), (560, 30860), (583, 30959), (586, 30971), (589, 30980), (614, 31064), (658, 31211), (666, 31247),

Gene: Smurph_18 Start: 14989, Stop: 16698, Start Num: 86

Candidate Starts for Smurph_18:

(Start: 86 @14989 has 47 MA's), (104, 15016), (Start: 158 @15121 has 2 MA's), (161, 15133), (171, 15169), (190, 15220), (199, 15250), (201, 15256), (209, 15283), (211, 15289), (254, 15409), (273, 15463), (276, 15469), (283, 15487), (287, 15499), (288, 15502), (294, 15523), (307, 15565), (319, 15598), (346, 15649), (350, 15664), (367, 15706), (373, 15721), (374, 15727), (390, 15775), (396, 15799), (406, 15829), (423, 15853), (445, 15913), (448, 15925), (464, 15979), (469, 15988), (486, 16048), (487, 16051), (529, 16156), (532, 16165), (543, 16204), (577, 16342), (615, 16492), (616, 16495), (619, 16504), (631, 16525), (638, 16552), (650, 16588), (673, 16681),

Gene: Snekmaggedon_18 Start: 14993, Stop: 16702, Start Num: 86

Candidate Starts for Snekmaggedon_18:

(Start: 86 @14993 has 47 MA's), (104, 15020), (125, 15059), (Start: 158 @15125 has 2 MA's), (161, 15137), (171, 15173), (182, 15197), (190, 15224), (195, 15245), (199, 15254), (201, 15260), (211, 15293), (273, 15467), (276, 15473), (279, 15482), (283, 15491), (287, 15503), (294, 15527), (307, 15569), (319, 15602), (346, 15653), (347, 15656), (350, 15668), (367, 15710), (373, 15725), (374, 15731), (390, 15779), (406, 15833), (423, 15857), (448, 15929), (464, 15983), (469, 15992), (471, 16001), (479, 16025), (486, 16052), (487, 16055), (529, 16160), (532, 16169), (543, 16208), (563, 16289), (577, 16346), (585, 16385), (616, 16499), (631, 16529), (632, 16532), (638, 16556), (650, 16592),

Gene: Socotra_19 Start: 15732, Stop: 17429, Start Num: 77

Candidate Starts for Socotra_19:

(Start: 73 @15729 has 9 MA's), (Start: 77 @15732 has 39 MA's), (178, 15942), (220, 16065), (243, 16116), (271, 16203), (275, 16212), (283, 16233), (288, 16248), (291, 16260), (345, 16338), (349, 16350), (358, 16377), (370, 16410), (381, 16443), (385, 16455), (396, 16497), (443, 16620), (462, 16692), (485, 16770), (490, 16785), (497, 16803), (511, 16860), (550, 16953), (559, 16989), (561, 17001), (563, 17007), (566, 17019), (569, 17028), (585, 17100), (586, 17103), (588, 17109), (592, 17121), (608, 17181), (620, 17226), (623, 17235), (633, 17268), (652, 17334),

Gene: SoilAssassin_17 Start: 14751, Stop: 16460, Start Num: 100

Candidate Starts for SoilAssassin_17:

(41, 14616), (Start: 100 @14751 has 33 MA's), (181, 14940), (182, 14943), (205, 15018), (225, 15072), (253, 15141), (257, 15153), (283, 15231), (284, 15234), (333, 15366), (352, 15420), (369, 15471), (380, 15501), (397, 15561), (400, 15573), (423, 15609), (463, 15726), (473, 15744), (485, 15783), (512, 15879), (554, 15987), (623, 16263), (624, 16266), (637, 16314), (645, 16344),

Gene: Soilmate_19 Start: 16617, Stop: 18263, Start Num: 93

Candidate Starts for Soilmate_19:

(71, 16581), (Start: 93 @16617 has 51 MA's), (144, 16719), (173, 16797), (Start: 179 @16800 has 11 MA's), (219, 16896), (233, 16935), (262, 17016), (283, 17070), (288, 17085), (374, 17256), (385, 17286), (451, 17469), (456, 17493), (475, 17544), (502, 17637), (507, 17649), (516, 17694), (520, 17709), (559, 17841), (560, 17844), (583, 17943), (588, 17961), (601, 18012), (622, 18072), (624, 18078), (643, 18141), (648, 18153),

Gene: Sonah_19 Start: 16375, Stop: 18111, Start Num: 80

Candidate Starts for Sonah_19:

(Start: 65 @16351 has 2 MA's), (Start: 80 @16375 has 48 MA's), (115, 16435), (125, 16456), (127, 16459), (176, 16579), (190, 16618), (200, 16651), (207, 16675), (250, 16795), (261, 16834), (263, 16840), (292, 16924), (294, 16930), (297, 16942), (305, 16966), (315, 16993), (321, 17011), (337, 17050), (346, 17056), (354, 17080), (374, 17134), (379, 17146), (382, 17155), (398, 17215), (430, 17293), (445, 17332), (453, 17365), (471, 17431), (477, 17446), (479, 17455), (485, 17479), (495, 17509), (499, 17521), (540, 17623), (546, 17635), (547, 17638), (548, 17644), (549, 17653), (576, 17761), (596, 17845), (625, 17944), (660, 18052), (673, 18100),

Gene: Sopespian_18 Start: 15730, Stop: 17430, Start Num: 73

Candidate Starts for Sopespian_18:

(Start: 73 @15730 has 9 MA's), (Start: 77 @15733 has 39 MA's), (178, 15943), (220, 16066), (243, 16117), (271, 16204), (275, 16213), (283, 16234), (288, 16249), (291, 16261), (345, 16339), (349, 16351), (358, 16378), (370, 16411), (381, 16444), (385, 16456), (396, 16498), (443, 16621), (462, 16693), (485, 16771), (490, 16786), (497, 16804), (511, 16861), (550, 16954), (559, 16990), (561, 17002), (563, 17008), (566, 17020), (569, 17029), (585, 17101), (586, 17104), (588, 17110), (592, 17122), (608, 17182), (620, 17227), (623, 17236), (633, 17269), (652, 17335),

Gene: SophKB_24 Start: 19745, Stop: 21424, Start Num: 87

Candidate Starts for SophKB_24:

(Start: 87 @19745 has 85 MA's), (Start: 132 @19829 has 48 MA's), (Start: 167 @19907 has 1 MA's), (195, 19994), (201, 20009), (215, 20057), (229, 20096), (261, 20183), (274, 20216), (287, 20252), (295, 20282), (297, 20288), (321, 20357), (348, 20387), (351, 20399), (353, 20402), (374, 20459), (424, 20591), (426, 20597), (449, 20663), (451, 20669), (456, 20693), (471, 20741), (479, 20765), (481, 20774), (502, 20849), (532, 20900), (536, 20915), (578, 21077), (583, 21104), (592, 21134), (620, 21239), (650, 21317), (657, 21353), (660, 21362), (667, 21395), (673, 21410),

Gene: Sotrice96_24 Start: 19701, Stop: 21380, Start Num: 87

Candidate Starts for Sotrice96_24:

(Start: 87 @19701 has 85 MA's), (Start: 132 @19785 has 48 MA's), (Start: 167 @19863 has 1 MA's), (195, 19950), (201, 19965), (215, 20013), (229, 20052), (261, 20139), (274, 20172), (287, 20208), (295, 20238), (297, 20244), (321, 20313), (348, 20343), (351, 20355), (353, 20358), (374, 20415), (424, 20547), (426, 20553), (449, 20619), (451, 20625), (456, 20649), (471, 20697), (479, 20721), (481, 20730), (502, 20805), (532, 20856), (536, 20871), (578, 21033), (583, 21060), (592, 21090), (620, 21195), (650, 21273), (657, 21309), (660, 21318), (667, 21351), (673, 21366),

Gene: Sparkdehlily_16 Start: 14836, Stop: 16545, Start Num: 83

Candidate Starts for Sparkdehlily_16:

(Start: 83 @14836 has 222 MA's), (134, 14923), (Start: 158 @14968 has 2 MA's), (165, 14992), (184, 15049), (199, 15097), (201, 15103), (206, 15121), (215, 15151), (254, 15256), (273, 15310), (276, 15316), (279, 15325), (287, 15346), (294, 15370), (305, 15406), (307, 15412), (319, 15445), (320, 15448), (322, 15457), (328, 15472), (331, 15478), (346, 15496), (350, 15511), (353, 15517), (359, 15535), (360, 15538), (367, 15553), (373, 15568), (374, 15574), (390, 15622), (394, 15634), (395, 15640), (423, 15700), (427, 15712), (443, 15748), (445, 15760), (469, 15835), (471, 15844), (478, 15862), (479, 15868), (487, 15898), (529, 16003), (533, 16015), (543, 16051), (562, 16129), (592, 16249), (600, 16282), (609, 16312), (611, 16324), (616, 16342), (618, 16348), (619, 16351), (621,

16357), (631, 16372), (632, 16375), (637, 16396), (638, 16399), (652, 16441), (657, 16471), (667, 16513), (668, 16519),

Gene: SpeedDemon_320 Start: 28963, Stop: 30726, Start Num: 75

Candidate Starts for SpeedDemon_320:

(34, 28831), (35, 28837), (Start: 75 @28963 has 5 MA's), (110, 29020), (173, 29173), (203, 29248), (255, 29380), (272, 29428), (300, 29512), (353, 29674), (354, 29677), (371, 29719), (374, 29731), (376, 29737), (395, 29797), (396, 29803), (445, 29923), (453, 29956), (468, 30004), (502, 30130), (519, 30196), (583, 30382), (586, 30394), (609, 30472), (630, 30526), (679, 30718),

Gene: Spikelee_17 Start: 14630, Stop: 16339, Start Num: 83

Candidate Starts for Spikelee_17:

(Start: 83 @14630 has 222 MA's), (134, 14717), (Start: 158 @14762 has 2 MA's), (165, 14786), (199, 14891), (201, 14897), (206, 14915), (215, 14945), (254, 15050), (273, 15104), (276, 15110), (279, 15119), (287, 15140), (294, 15164), (305, 15200), (307, 15206), (319, 15239), (320, 15242), (322, 15251), (328, 15266), (331, 15272), (346, 15290), (350, 15305), (353, 15311), (359, 15329), (360, 15332), (367, 15347), (373, 15362), (374, 15368), (390, 15416), (394, 15428), (395, 15434), (423, 15494), (427, 15506), (443, 15542), (445, 15554), (469, 15629), (471, 15638), (478, 15656), (479, 15662), (487, 15692), (529, 15797), (533, 15809), (543, 15845), (562, 15923), (592, 16043), (600, 16076), (609, 16106), (611, 16118), (616, 16136), (618, 16142), (619, 16145), (621, 16151), (631, 16166), (632, 16169), (637, 16190), (638, 16193), (652, 16235), (657, 16265), (667, 16307), (668, 16313),

Gene: Spinach_18 Start: 14993, Stop: 16702, Start Num: 86

Candidate Starts for Spinach_18:

(Start: 86 @14993 has 47 MA's), (104, 15020), (125, 15059), (Start: 158 @15125 has 2 MA's), (161, 15137), (171, 15173), (182, 15197), (190, 15224), (195, 15245), (199, 15254), (201, 15260), (211, 15293), (273, 15467), (276, 15473), (279, 15482), (283, 15491), (287, 15503), (294, 15527), (307, 15569), (319, 15602), (346, 15653), (347, 15656), (350, 15668), (367, 15710), (373, 15725), (374, 15731), (390, 15779), (406, 15833), (423, 15857), (448, 15929), (464, 15983), (469, 15992), (471, 16001), (479, 16025), (486, 16052), (487, 16055), (529, 16160), (532, 16169), (543, 16208), (563, 16289), (577, 16346), (585, 16385), (616, 16499), (631, 16529), (632, 16532), (638, 16556), (650, 16592),

Gene: Splinter_22 Start: 16480, Stop: 17808, Start Num: 179

Candidate Starts for Splinter_22:

(Start: 179 @16480 has 11 MA's), (185, 16495), (240, 16639), (255, 16684), (270, 16729), (278, 16753), (288, 16783), (294, 16804), (296, 16813), (304, 16837), (307, 16846), (333, 16897), (338, 16909), (403, 17002), (408, 17011), (420, 17020), (440, 17065), (445, 17083), (484, 17176), (499, 17221), (514, 17290), (530, 17311), (560, 17392), (568, 17425), (592, 17512), (601, 17548), (605, 17563), (609, 17572), (624, 17614), (635, 17653), (651, 17707), (654, 17725), (667, 17782), (669, 17791),

Gene: SpongeBob_18 Start: 14993, Stop: 16702, Start Num: 86

Candidate Starts for SpongeBob_18:

(Start: 86 @14993 has 47 MA's), (104, 15020), (125, 15059), (Start: 158 @15125 has 2 MA's), (161, 15137), (171, 15173), (182, 15197), (190, 15224), (195, 15245), (199, 15254), (201, 15260), (211, 15293), (273, 15467), (276, 15473), (279, 15482), (283, 15491), (287, 15503), (294, 15527), (307, 15569), (319, 15602), (346, 15653), (347, 15656), (350, 15668), (367, 15710), (373, 15725), (374, 15731), (390, 15779), (406, 15833), (423, 15857), (448, 15929), (464, 15983), (469, 15992), (471, 16001), (479, 16025), (486, 16052), (487, 16055), (529, 16160), (532, 16169), (543, 16208), (563, 16289), (577, 16346), (585, 16385), (616, 16499), (631, 16529), (632, 16532), (638, 16556), (650, 16592),

Gene: Spoonbill_16 Start: 14813, Stop: 16522, Start Num: 83

Candidate Starts for Spoonbill_16:

(Start: 83 @14813 has 222 MA's), (134, 14900), (Start: 158 @14945 has 2 MA's), (165, 14969), (199, 15074), (201, 15080), (206, 15098), (215, 15128), (254, 15233), (276, 15293), (284, 15314), (287, 15323), (294, 15347), (319, 15422), (320, 15425), (346, 15473), (350, 15488), (353, 15494), (367, 15530), (368, 15533), (373, 15545), (374, 15551), (390, 15599), (394, 15611), (395, 15617), (423, 15677), (427, 15689), (443, 15725), (445, 15737), (469, 15812), (471, 15821), (478, 15839), (479, 15845), (487, 15875), (529, 15980), (533, 15992), (543, 16028), (562, 16106), (592, 16226), (600, 16259), (609, 16289), (616, 16319), (619, 16328), (621, 16334), (631, 16349), (632, 16352), (638, 16376), (648, 16406), (652, 16418), (657, 16448), (667, 16490),

Gene: Sproutie_17 Start: 14758, Stop: 16467, Start Num: 100

Candidate Starts for Sproutie_17:

(Start: 100 @14758 has 33 MA's), (157, 14875), (205, 15025), (220, 15064), (225, 15079), (253, 15148), (257, 15160), (283, 15238), (284, 15241), (333, 15373), (352, 15427), (380, 15508), (397, 15568), (398, 15574), (400, 15580), (442, 15661), (451, 15697), (463, 15733), (473, 15751), (485, 15790), (508, 15862), (512, 15886), (583, 16120), (587, 16135), (598, 16177), (623, 16270), (624, 16273), (637, 16321), (645, 16351),

Gene: Squint_33 Start: 25007, Stop: 26740, Start Num: 84

Candidate Starts for Squint_33:

(Start: 84 @25007 has 30 MA's), (Start: 132 @25097 has 48 MA's), (134, 25100), (165, 25175), (173, 25202), (195, 25268), (207, 25304), (216, 25334), (220, 25349), (252, 25433), (263, 25469), (274, 25496), (288, 25535), (297, 25568), (300, 25577), (320, 25634), (336, 25676), (371, 25751), (374, 25763), (394, 25823), (413, 25877), (424, 25907), (430, 25925), (435, 25934), (446, 25967), (449, 25979), (451, 25985), (462, 26024), (479, 26081), (536, 26231), (540, 26249), (553, 26291), (558, 26315), (559, 26318), (562, 26333), (570, 26363), (578, 26393), (592, 26450), (640, 26600), (669, 26720), (673, 26726),

Gene: Squirty_17 Start: 14712, Stop: 16421, Start Num: 83

Candidate Starts for Squirty_17:

(Start: 83 @14712 has 222 MA's), (134, 14799), (Start: 158 @14844 has 2 MA's), (165, 14868), (199, 14973), (201, 14979), (206, 14997), (215, 15027), (254, 15132), (276, 15192), (284, 15213), (287, 15222), (294, 15246), (346, 15372), (350, 15387), (353, 15393), (367, 15429), (373, 15444), (374, 15450), (390, 15498), (394, 15510), (395, 15516), (423, 15576), (427, 15588), (443, 15624), (445, 15636), (469, 15711), (471, 15720), (478, 15738), (479, 15744), (487, 15774), (529, 15879), (532, 15888), (533, 15891), (543, 15927), (562, 16005), (585, 16104), (592, 16125), (600, 16158), (609, 16188), (616, 16218), (619, 16227), (621, 16233), (631, 16248), (632, 16251), (637, 16272), (638, 16275), (648, 16305), (652, 16317), (667, 16389),

Gene: StAB_17 Start: 16311, Stop: 18008, Start Num: 50

Candidate Starts for StAB_17:

(Start: 50 @16311 has 4 MA's), (57, 16332), (102, 16416), (119, 16443), (120, 16449), (188, 16581), (208, 16632), (220, 16665), (229, 16689), (274, 16809), (286, 16842), (291, 16860), (313, 16914), (353, 16959), (374, 17016), (379, 17028), (391, 17067), (413, 17127), (424, 17148), (427, 17157), (445, 17214), (473, 17304), (505, 17412), (517, 17466), (519, 17472), (526, 17490), (563, 17586), (569, 17607), (579, 17652), (622, 17811), (627, 17826), (632, 17841), (635, 17853), (673, 17997),

Gene: StAnnes_16 Start: 14854, Stop: 16563, Start Num: 83

Candidate Starts for StAnnes_16:

(Start: 83 @14854 has 222 MA's), (134, 14941), (Start: 158 @14986 has 2 MA's), (165, 15010), (199, 15115), (201, 15121), (206, 15139), (215, 15169), (254, 15274), (276, 15334), (284, 15355), (287,

15364), (294, 15388), (346, 15514), (350, 15529), (353, 15535), (367, 15571), (368, 15574), (373, 15586), (374, 15592), (390, 15640), (394, 15652), (395, 15658), (423, 15718), (427, 15730), (443, 15766), (445, 15778), (469, 15853), (471, 15862), (478, 15880), (479, 15886), (487, 15916), (529, 16021), (532, 16030), (533, 16033), (543, 16069), (562, 16147), (585, 16246), (592, 16267), (600, 16300), (609, 16330), (616, 16360), (619, 16369), (621, 16375), (631, 16390), (632, 16393), (638, 16417), (648, 16447), (652, 16459), (657, 16489), (667, 16531),

Gene: Stank_27 Start: 20336, Stop: 21931, Start Num: 132

Candidate Starts for Stank_27:

(Start: 87 @20252 has 85 MA's), (Start: 132 @20336 has 48 MA's), (Start: 167 @20414 has 1 MA's), (195, 20501), (201, 20516), (215, 20564), (229, 20603), (261, 20690), (274, 20723), (287, 20759), (295, 20789), (297, 20795), (321, 20864), (348, 20894), (351, 20906), (353, 20909), (374, 20966), (424, 21098), (426, 21104), (449, 21170), (451, 21176), (456, 21200), (471, 21248), (479, 21272), (481, 21281), (502, 21356), (532, 21407), (536, 21422), (578, 21584), (583, 21611), (592, 21641), (620, 21746), (650, 21824), (657, 21860), (660, 21869), (667, 21902), (673, 21917),

Gene: Stap_17 Start: 14836, Stop: 16545, Start Num: 83

Candidate Starts for Stap_17:

(Start: 83 @14836 has 222 MA's), (134, 14923), (Start: 158 @14968 has 2 MA's), (165, 14992), (199, 15097), (201, 15103), (206, 15121), (215, 15151), (254, 15256), (276, 15316), (284, 15337), (287, 15346), (294, 15370), (319, 15445), (346, 15496), (350, 15511), (353, 15517), (367, 15553), (368, 15556), (373, 15568), (374, 15574), (390, 15622), (394, 15634), (395, 15640), (423, 15700), (427, 15712), (443, 15748), (445, 15760), (469, 15835), (471, 15844), (478, 15862), (479, 15868), (487, 15898), (529, 16003), (533, 16015), (543, 16051), (562, 16129), (585, 16228), (592, 16249), (600, 16282), (609, 16312), (616, 16342), (618, 16348), (619, 16351), (621, 16357), (631, 16372), (632, 16375), (637, 16396), (638, 16399), (652, 16441), (667, 16513), (668, 16519),

Gene: StarStruck_42 Start: 30437, Stop: 32053, Start Num: 91

Candidate Starts for StarStruck_42:

(Start: 91 @30437 has 39 MA's), (153, 30551), (253, 30818), (278, 30884), (283, 30899), (292, 30923), (293, 30926), (327, 31010), (340, 31040), (345, 31058), (372, 31091), (374, 31100), (381, 31118), (390, 31148), (396, 31172), (428, 31256), (438, 31277), (452, 31325), (463, 31364), (483, 31412), (517, 31538), (534, 31574), (573, 31685), (592, 31760), (648, 31937), (657, 31979), (673, 32036),

Gene: Starburst_19 Start: 15729, Stop: 17429, Start Num: 73

Candidate Starts for Starburst_19:

(Start: 73 @15729 has 9 MA's), (Start: 77 @15732 has 39 MA's), (178, 15942), (220, 16065), (222, 16074), (243, 16116), (271, 16203), (275, 16212), (283, 16233), (288, 16248), (291, 16260), (345, 16338), (349, 16350), (358, 16377), (370, 16410), (381, 16443), (385, 16455), (396, 16497), (443, 16620), (462, 16692), (485, 16770), (490, 16785), (497, 16803), (511, 16860), (550, 16953), (559, 16989), (561, 17001), (563, 17007), (566, 17019), (569, 17028), (585, 17100), (586, 17103), (588, 17109), (592, 17121), (608, 17181), (620, 17226), (623, 17235), (633, 17268), (652, 17334),

Gene: Starcevich_17 Start: 14598, Stop: 16307, Start Num: 83

Candidate Starts for Starcevich_17:

(Start: 83 @14598 has 222 MA's), (134, 14685), (Start: 158 @14730 has 2 MA's), (165, 14754), (199, 14859), (201, 14865), (206, 14883), (215, 14913), (254, 15018), (276, 15078), (283, 15096), (284, 15099), (287, 15108), (294, 15132), (346, 15258), (350, 15273), (353, 15279), (367, 15315), (368, 15318), (373, 15330), (374, 15336), (390, 15384), (394, 15396), (395, 15402), (423, 15462), (427, 15474), (443, 15510), (445, 15522), (469, 15597), (471, 15606), (478, 15624), (479, 15630), (487, 15660), (529, 15765), (533, 15777), (543, 15813), (562, 15891), (592, 16011), (600, 16044), (609, 16074), (611, 16086), (616, 16104), (618, 16110), (619, 16113), (621, 16119), (631, 16134), (632, 16137), (637, 16158), (638, 16161), (652, 16203), (657, 16233), (667, 16275), (668, 16281),

Gene: Stark_25 Start: 19504, Stop: 21183, Start Num: 87

Candidate Starts for Stark_25:

(Start: 87 @19504 has 85 MA's), (Start: 132 @19588 has 48 MA's), (Start: 167 @19666 has 1 MA's), (195, 19753), (201, 19768), (215, 19816), (229, 19855), (261, 19942), (274, 19975), (287, 20011), (295, 20041), (297, 20047), (321, 20116), (348, 20146), (351, 20158), (353, 20161), (374, 20218), (424, 20350), (426, 20356), (449, 20422), (451, 20428), (456, 20452), (471, 20500), (479, 20524), (481, 20533), (502, 20608), (532, 20659), (536, 20674), (578, 20836), (583, 20863), (592, 20893), (620, 20998), (650, 21076), (657, 21112), (660, 21121), (667, 21154), (673, 21169),

Gene: SteamedHams_20 Start: 15398, Stop: 17095, Start Num: 77

Candidate Starts for SteamedHams_20:

(Start: 73 @15395 has 9 MA's), (Start: 77 @15398 has 39 MA's), (135, 15500), (138, 15512), (178, 15608), (206, 15692), (243, 15782), (261, 15842), (271, 15869), (283, 15899), (284, 15902), (307, 15971), (345, 16004), (349, 16016), (350, 16019), (356, 16040), (358, 16043), (381, 16109), (385, 16121), (443, 16286), (485, 16436), (490, 16451), (497, 16469), (511, 16526), (561, 16667), (563, 16673), (566, 16685), (569, 16694), (585, 16766), (586, 16769), (588, 16775), (592, 16787), (620, 16892), (623, 16901), (633, 16934),

Gene: StellaBean_24 Start: 19745, Stop: 21424, Start Num: 87

Candidate Starts for StellaBean_24:

(Start: 87 @19745 has 85 MA's), (Start: 132 @19829 has 48 MA's), (Start: 167 @19907 has 1 MA's), (195, 19994), (201, 20009), (215, 20057), (229, 20096), (261, 20183), (274, 20216), (287, 20252), (295, 20282), (297, 20288), (321, 20357), (348, 20387), (351, 20399), (353, 20402), (374, 20459), (424, 20591), (426, 20597), (449, 20663), (451, 20669), (456, 20693), (471, 20741), (479, 20765), (481, 20774), (502, 20849), (532, 20900), (536, 20915), (578, 21077), (583, 21104), (592, 21134), (620, 21239), (650, 21317), (657, 21353), (660, 21362), (667, 21395), (673, 21410),

Gene: StevieRay_19 Start: 16376, Stop: 18112, Start Num: 80

Candidate Starts for StevieRay_19:

(Start: 65 @16352 has 2 MA's), (Start: 80 @16376 has 48 MA's), (115, 16436), (125, 16457), (127, 16460), (176, 16580), (190, 16619), (200, 16652), (207, 16676), (250, 16796), (261, 16835), (263, 16841), (292, 16925), (294, 16931), (297, 16943), (305, 16967), (315, 16994), (321, 17012), (337, 17051), (346, 17057), (354, 17081), (374, 17135), (379, 17147), (382, 17156), (398, 17216), (430, 17294), (445, 17333), (453, 17366), (471, 17432), (477, 17447), (479, 17456), (485, 17480), (495, 17510), (499, 17522), (540, 17624), (546, 17636), (547, 17639), (548, 17645), (549, 17654), (576, 17762), (596, 17846), (625, 17945), (660, 18053), (673, 18101),

Gene: Stickynote_33 Start: 28749, Stop: 30347, Start Num: 97

Candidate Starts for Stickynote_33:

(Start: 97 @28749 has 8 MA's), (183, 28917), (194, 28956), (244, 29091), (263, 29151), (329, 29304), (335, 29316), (339, 29325), (340, 29328), (370, 29373), (374, 29388), (378, 29397), (396, 29460), (402, 29478), (425, 29532), (499, 29748), (528, 29841), (567, 29949), (580, 30003), (599, 30078), (639, 30207), (672, 30333),

Gene: Stiles_17 Start: 16089, Stop: 17786, Start Num: 50

Candidate Starts for Stiles_17:

(Start: 50 @16089 has 4 MA's), (57, 16110), (102, 16194), (119, 16221), (120, 16227), (188, 16359), (208, 16410), (220, 16443), (229, 16467), (274, 16587), (286, 16620), (291, 16638), (313, 16692), (353, 16737), (374, 16794), (379, 16806), (391, 16845), (413, 16905), (424, 16926), (427, 16935), (445, 16992), (473, 17082), (505, 17190), (517, 17244), (519, 17250), (526, 17268), (563, 17364), (569, 17385), (579, 17430), (622, 17589), (627, 17604), (632, 17619), (635, 17631), (673, 17775),

Gene: StolenFromERC_26 Start: 19736, Stop: 21415, Start Num: 87

Candidate Starts for StolenFromERC_26:

(Start: 87 @19736 has 85 MA's), (Start: 132 @19820 has 48 MA's), (Start: 167 @19898 has 1 MA's),
(195, 19985), (201, 20000), (215, 20048), (229, 20087), (261, 20174), (274, 20207), (287, 20243),
(295, 20273), (297, 20279), (321, 20348), (348, 20378), (351, 20390), (353, 20393), (374, 20450),
(424, 20582), (426, 20588), (449, 20654), (451, 20660), (456, 20684), (471, 20732), (479, 20756),
(481, 20765), (502, 20840), (532, 20891), (536, 20906), (578, 21068), (583, 21095), (592, 21125),
(620, 21230), (650, 21308), (657, 21344), (660, 21353), (667, 21386), (673, 21401),

Gene: StormChicken_24 Start: 20004, Stop: 21599, Start Num: 132

Candidate Starts for StormChicken_24:

(Start: 87 @19920 has 85 MA's), (Start: 132 @20004 has 48 MA's), (Start: 167 @20082 has 1 MA's),
(195, 20169), (201, 20184), (215, 20232), (229, 20271), (261, 20358), (274, 20391), (287, 20427),
(295, 20457), (297, 20463), (321, 20532), (348, 20562), (351, 20574), (353, 20577), (374, 20634),
(424, 20766), (426, 20772), (449, 20838), (451, 20844), (456, 20868), (471, 20916), (479, 20940),
(481, 20949), (502, 21024), (532, 21075), (536, 21090), (578, 21252), (583, 21279), (592, 21309),
(620, 21414), (650, 21492), (657, 21528), (660, 21537), (667, 21570), (673, 21585),

Gene: StressBall_19 Start: 16273, Stop: 18009, Start Num: 80

Candidate Starts for StressBall_19:

(Start: 65 @16249 has 2 MA's), (Start: 80 @16273 has 48 MA's), (115, 16333), (125, 16354), (127,
16357), (176, 16477), (190, 16516), (200, 16549), (207, 16573), (250, 16693), (261, 16732), (263,
16738), (292, 16822), (294, 16828), (297, 16840), (305, 16864), (315, 16891), (321, 16909), (337,
16948), (346, 16954), (354, 16978), (374, 17032), (379, 17044), (382, 17053), (398, 17113), (430,
17191), (445, 17230), (453, 17263), (471, 17329), (479, 17353), (485, 17377), (495, 17407), (540,
17521), (546, 17533), (548, 17542), (549, 17551), (576, 17659), (596, 17743), (625, 17842), (660,
17950), (673, 17998),

Gene: Strokeseat_16 Start: 14904, Stop: 16613, Start Num: 83

Candidate Starts for Strokeseat_16:

(Start: 83 @14904 has 222 MA's), (134, 14991), (Start: 158 @15036 has 2 MA's), (165, 15060), (199,
15165), (201, 15171), (206, 15189), (215, 15219), (254, 15324), (276, 15384), (284, 15405), (287,
15414), (294, 15438), (346, 15564), (350, 15579), (353, 15585), (367, 15621), (368, 15624), (373,
15636), (374, 15642), (390, 15690), (394, 15702), (395, 15708), (423, 15768), (427, 15780), (443,
15816), (445, 15828), (469, 15903), (471, 15912), (478, 15930), (479, 15936), (487, 15966), (529,
16071), (532, 16080), (533, 16083), (543, 16119), (562, 16197), (585, 16296), (592, 16317), (600,
16350), (609, 16380), (616, 16410), (619, 16419), (621, 16425), (631, 16440), (632, 16443), (638,
16467), (648, 16497), (652, 16509), (657, 16539), (667, 16581),

Gene: Suerte_18 Start: 16811, Stop: 18391, Start Num: 99

Candidate Starts for Suerte_18:

(46, 16694), (Start: 99 @16811 has 65 MA's), (214, 17069), (221, 17090), (246, 17144), (257, 17183),
(275, 17240), (283, 17261), (381, 17432), (387, 17450), (394, 17474), (398, 17495), (423, 17537),
(451, 17618), (484, 17708), (499, 17753), (512, 17810), (513, 17813), (534, 17867), (562, 17957),
(635, 18236), (637, 18245), (645, 18275),

Gene: Sukkupi_43 Start: 29457, Stop: 31073, Start Num: 91

Candidate Starts for Sukkupi_43:

(Start: 91 @29457 has 39 MA's), (Start: 98 @29466 has 1 MA's), (Start: 99 @29469 has 65 MA's),
(Start: 117 @29493 has 1 MA's), (153, 29571), (220, 29754), (246, 29811), (249, 29823), (253, 29838),
(278, 29904), (283, 29919), (292, 29943), (327, 30030), (329, 30036), (340, 30060), (374, 30120),
(385, 30150), (391, 30171), (428, 30276), (438, 30297), (463, 30384), (483, 30432), (517, 30558),
(534, 30594), (585, 30759), (591, 30777), (600, 30813), (655, 30987), (657, 30999), (673, 31056),

Gene: SummitAcademy_17 Start: 15495, Stop: 17189, Start Num: 77

Candidate Starts for SummitAcademy_17:

(Start: 73 @15492 has 9 MA's), (Start: 77 @15495 has 39 MA's), (135, 15594), (154, 15636), (243, 15876), (271, 15963), (280, 15984), (283, 15993), (291, 16020), (307, 16065), (345, 16098), (350, 16113), (358, 16137), (370, 16170), (381, 16203), (385, 16215), (401, 16272), (422, 16320), (432, 16350), (443, 16380), (446, 16395), (458, 16443), (475, 16494), (485, 16530), (490, 16545), (497, 16563), (511, 16620), (513, 16629), (559, 16749), (561, 16761), (574, 16809), (585, 16860), (586, 16863), (592, 16881), (612, 16959), (620, 16986), (633, 17028), (669, 17175), (673, 17181),

Gene: SuperGrey_17 Start: 15480, Stop: 17189, Start Num: 83

Candidate Starts for SuperGrey_17:

(Start: 83 @15480 has 222 MA's), (Start: 158 @15612 has 2 MA's), (165, 15636), (199, 15741), (201, 15747), (206, 15765), (215, 15795), (254, 15900), (276, 15960), (284, 15981), (287, 15990), (294, 16014), (307, 16056), (319, 16089), (322, 16101), (328, 16116), (331, 16122), (346, 16140), (350, 16155), (353, 16161), (367, 16197), (368, 16200), (373, 16212), (374, 16218), (378, 16227), (390, 16266), (394, 16278), (395, 16284), (423, 16344), (427, 16356), (443, 16392), (445, 16404), (469, 16479), (471, 16488), (478, 16506), (479, 16512), (487, 16542), (529, 16647), (532, 16656), (533, 16659), (543, 16695), (562, 16773), (592, 16893), (609, 16956), (616, 16986), (619, 16995), (621, 17001), (631, 17016), (632, 17019), (638, 17043), (648, 17073), (652, 17085), (667, 17157),

Gene: SuperSulley_42 Start: 30625, Stop: 32241, Start Num: 91

Candidate Starts for SuperSulley_42:

(Start: 91 @30625 has 39 MA's), (Start: 99 @30637 has 65 MA's), (153, 30739), (184, 30823), (253, 31006), (278, 31072), (283, 31087), (292, 31111), (327, 31198), (340, 31228), (342, 31231), (374, 31288), (396, 31360), (438, 31465), (463, 31552), (483, 31600), (517, 31726), (534, 31762), (573, 31873), (592, 31948), (648, 32125), (657, 32167), (673, 32224),

Gene: Superphikiman_34 Start: 25162, Stop: 26805, Start Num: 132

Candidate Starts for Superphikiman_34:

(Start: 84 @25072 has 30 MA's), (Start: 132 @25162 has 48 MA's), (134, 25165), (165, 25240), (173, 25267), (195, 25333), (207, 25369), (216, 25399), (220, 25414), (252, 25498), (263, 25534), (274, 25561), (288, 25600), (297, 25633), (300, 25642), (320, 25699), (336, 25741), (371, 25816), (374, 25828), (394, 25888), (413, 25942), (424, 25972), (430, 25990), (435, 25999), (446, 26032), (449, 26044), (451, 26050), (462, 26089), (479, 26146), (536, 26296), (540, 26314), (553, 26356), (558, 26380), (559, 26383), (562, 26398), (570, 26428), (578, 26458), (592, 26515), (640, 26665), (669, 26785), (673, 26791),

Gene: Suscepit_19 Start: 17773, Stop: 19371, Start Num: 99

Candidate Starts for Suscepit_19:

(Start: 99 @17773 has 65 MA's), (208, 18022), (214, 18031), (220, 18049), (221, 18052), (246, 18106), (269, 18181), (291, 18250), (294, 18259), (297, 18271), (314, 18322), (328, 18349), (333, 18358), (334, 18361), (380, 18391), (381, 18394), (397, 18451), (423, 18517), (450, 18595), (461, 18628), (473, 18652), (484, 18688), (512, 18790), (534, 18847), (551, 18892), (554, 18898), (562, 18937), (624, 19177), (645, 19255),

Gene: SushiChef_20 Start: 17764, Stop: 19362, Start Num: 99

Candidate Starts for SushiChef_20:

(Start: 99 @17764 has 65 MA's), (214, 18022), (220, 18040), (221, 18043), (246, 18097), (269, 18172), (291, 18241), (294, 18250), (297, 18262), (314, 18313), (328, 18340), (333, 18349), (334, 18352), (381, 18385), (397, 18442), (423, 18508), (461, 18619), (484, 18679), (512, 18781), (534, 18838), (562, 18928), (624, 19168), (645, 19246),

Gene: SwagPigglett_16 Start: 14813, Stop: 16522, Start Num: 83

Candidate Starts for SwagPigglett_16:

(Start: 83 @14813 has 222 MA's), (134, 14900), (Start: 158 @14945 has 2 MA's), (165, 14969), (184, 15026), (199, 15074), (201, 15080), (206, 15098), (215, 15128), (254, 15233), (273, 15287), (276, 15293), (279, 15302), (287, 15323), (294, 15347), (305, 15383), (307, 15389), (319, 15422), (320, 15425), (322, 15434), (328, 15449), (331, 15455), (346, 15473), (350, 15488), (353, 15494), (359, 15512), (360, 15515), (367, 15530), (373, 15545), (374, 15551), (390, 15599), (394, 15611), (395, 15617), (423, 15677), (427, 15689), (443, 15725), (445, 15737), (469, 15812), (471, 15821), (478, 15839), (479, 15845), (487, 15875), (529, 15980), (533, 15992), (543, 16028), (562, 16106), (592, 16226), (600, 16259), (609, 16289), (611, 16301), (616, 16319), (618, 16325), (619, 16328), (621, 16334), (631, 16349), (632, 16352), (637, 16373), (638, 16376), (652, 16418), (657, 16448), (667, 16490), (668, 16496),

Gene: SweatNTears_20 Start: 15891, Stop: 17588, Start Num: 77

Candidate Starts for SweatNTears_20:

(61, 15861), (Start: 73 @15888 has 9 MA's), (Start: 77 @15891 has 39 MA's), (178, 16101), (238, 16269), (243, 16275), (280, 16383), (291, 16419), (300, 16449), (307, 16464), (345, 16497), (349, 16509), (361, 16545), (381, 16602), (385, 16614), (427, 16734), (437, 16755), (443, 16779), (485, 16929), (490, 16944), (497, 16962), (511, 17019), (559, 17148), (561, 17160), (566, 17178), (569, 17187), (585, 17259), (586, 17262), (588, 17268), (592, 17280), (620, 17385), (623, 17394), (633, 17427), (664, 17553),

Gene: TBrady12_26 Start: 19820, Stop: 21415, Start Num: 132

Candidate Starts for TBrady12_26:

(Start: 87 @19736 has 85 MA's), (Start: 132 @19820 has 48 MA's), (Start: 167 @19898 has 1 MA's), (195, 19985), (201, 20000), (215, 20048), (229, 20087), (261, 20174), (274, 20207), (287, 20243), (295, 20273), (297, 20279), (321, 20348), (348, 20378), (351, 20390), (353, 20393), (374, 20450), (424, 20582), (426, 20588), (449, 20654), (451, 20660), (456, 20684), (471, 20732), (479, 20756), (481, 20765), (502, 20840), (532, 20891), (536, 20906), (578, 21068), (583, 21095), (592, 21125), (620, 21230), (650, 21308), (657, 21344), (660, 21353), (667, 21386), (673, 21401),

Gene: TChen_17 Start: 15346, Stop: 17073, Start Num: 72

Candidate Starts for TChen_17:

(Start: 72 @15346 has 1 MA's), (76, 15352), (Start: 80 @15358 has 48 MA's), (Start: 88 @15370 has 5 MA's), (Start: 92 @15376 has 11 MA's), (Start: 158 @15496 has 2 MA's), (165, 15520), (171, 15544), (199, 15625), (201, 15631), (206, 15649), (215, 15679), (279, 15853), (287, 15874), (288, 15877), (298, 15913), (311, 15952), (331, 16006), (346, 16024), (347, 16027), (350, 16039), (353, 16045), (367, 16081), (374, 16102), (381, 16120), (390, 16150), (394, 16162), (395, 16168), (423, 16228), (443, 16276), (454, 16321), (469, 16363), (471, 16372), (479, 16396), (487, 16426), (499, 16471), (529, 16531), (532, 16540), (533, 16543), (543, 16579), (563, 16660), (595, 16789), (600, 16810), (609, 16840), (616, 16870), (619, 16879), (621, 16885), (631, 16900), (632, 16903), (673, 17056),

Gene: TDanisky_16 Start: 14836, Stop: 16545, Start Num: 83

Candidate Starts for TDanisky_16:

(Start: 83 @14836 has 222 MA's), (134, 14923), (Start: 158 @14968 has 2 MA's), (165, 14992), (184, 15049), (199, 15097), (201, 15103), (206, 15121), (215, 15151), (254, 15256), (273, 15310), (276, 15316), (279, 15325), (287, 15346), (294, 15370), (305, 15406), (307, 15412), (319, 15445), (320, 15448), (322, 15457), (328, 15472), (331, 15478), (346, 15496), (350, 15511), (353, 15517), (359, 15535), (360, 15538), (367, 15553), (373, 15568), (374, 15574), (390, 15622), (394, 15634), (395, 15640), (423, 15700), (427, 15712), (443, 15748), (445, 15760), (469, 15835), (471, 15844), (478, 15862), (479, 15868), (487, 15898), (529, 16003), (533, 16015), (543, 16051), (562, 16129), (592, 16249), (600, 16282), (609, 16312), (611, 16324), (616, 16342), (618, 16348), (619, 16351), (621,

16357), (631, 16372), (632, 16375), (637, 16396), (638, 16399), (652, 16441), (657, 16471), (667, 16513), (668, 16519),

Gene: TZGordon_24 Start: 16619, Stop: 17947, Start Num: 179

Candidate Starts for TZGordon_24:

(Start: 179 @16619 has 11 MA's), (185, 16634), (226, 16748), (240, 16778), (255, 16823), (270, 16868), (289, 16925), (294, 16943), (296, 16952), (304, 16976), (306, 16982), (307, 16985), (333, 17036), (338, 17048), (389, 17090), (403, 17141), (408, 17150), (420, 17159), (440, 17204), (445, 17222), (484, 17315), (499, 17360), (514, 17429), (530, 17450), (558, 17525), (560, 17531), (568, 17564), (592, 17651), (601, 17687), (605, 17702), (609, 17711), (624, 17753), (651, 17846), (654, 17864), (667, 17921), (669, 17930),

Gene: Taj_16 Start: 14839, Stop: 16548, Start Num: 83

Candidate Starts for Taj_16:

(Start: 83 @14839 has 222 MA's), (134, 14926), (Start: 158 @14971 has 2 MA's), (165, 14995), (199, 15100), (201, 15106), (206, 15124), (215, 15154), (254, 15259), (276, 15319), (283, 15337), (284, 15340), (287, 15349), (294, 15373), (346, 15499), (350, 15514), (353, 15520), (367, 15556), (368, 15559), (373, 15571), (374, 15577), (390, 15625), (394, 15637), (395, 15643), (423, 15703), (427, 15715), (443, 15751), (445, 15763), (469, 15838), (471, 15847), (478, 15865), (479, 15871), (487, 15901), (529, 16006), (532, 16015), (533, 16018), (543, 16054), (562, 16132), (585, 16231), (592, 16252), (600, 16285), (609, 16315), (616, 16345), (619, 16354), (621, 16360), (631, 16375), (632, 16378), (638, 16402), (648, 16432), (652, 16444), (657, 16474), (667, 16516),

Gene: Tapioca_18 Start: 14989, Stop: 16698, Start Num: 86

Candidate Starts for Tapioca_18:

(Start: 86 @14989 has 47 MA's), (104, 15016), (Start: 158 @15121 has 2 MA's), (161, 15133), (171, 15169), (190, 15220), (199, 15250), (201, 15256), (209, 15283), (211, 15289), (254, 15409), (273, 15463), (276, 15469), (283, 15487), (287, 15499), (288, 15502), (294, 15523), (307, 15565), (319, 15598), (346, 15649), (350, 15664), (367, 15706), (373, 15721), (374, 15727), (390, 15775), (396, 15799), (406, 15829), (423, 15853), (445, 15913), (448, 15925), (464, 15979), (469, 15988), (486, 16048), (487, 16051), (529, 16156), (532, 16165), (543, 16204), (577, 16342), (615, 16492), (616, 16495), (619, 16504), (631, 16525), (638, 16552), (650, 16588), (673, 16681),

Gene: Tardus_36 Start: 30115, Stop: 31737, Start Num: 90

Candidate Starts for Tardus_36:

(Start: 90 @30115 has 22 MA's), (106, 30136), (113, 30148), (137, 30199), (163, 30262), (190, 30334), (222, 30421), (247, 30472), (254, 30502), (284, 30583), (351, 30703), (354, 30709), (366, 30739), (370, 30748), (381, 30781), (382, 30784), (386, 30796), (398, 30844), (423, 30892), (426, 30901), (457, 31000), (473, 31039), (478, 31051), (508, 31168), (515, 31207), (534, 31246), (558, 31303), (568, 31342), (570, 31351), (582, 31408), (584, 31420), (600, 31477), (601, 31483), (609, 31504), (620, 31537), (635, 31582), (667, 31711), (669, 31720),

Gene: Tarkin_26 Start: 20735, Stop: 22414, Start Num: 87

Candidate Starts for Tarkin_26:

(Start: 87 @20735 has 85 MA's), (Start: 132 @20819 has 48 MA's), (Start: 167 @20897 has 1 MA's), (195, 20984), (201, 20999), (215, 21047), (229, 21086), (261, 21173), (274, 21206), (287, 21242), (295, 21272), (297, 21278), (321, 21347), (348, 21377), (351, 21389), (353, 21392), (374, 21449), (424, 21581), (426, 21587), (449, 21653), (451, 21659), (456, 21683), (471, 21731), (479, 21755), (481, 21764), (502, 21839), (532, 21890), (536, 21905), (578, 22067), (583, 22094), (592, 22124), (620, 22229), (650, 22307), (657, 22343), (660, 22352), (667, 22385), (673, 22400),

Gene: Tarnish_18 Start: 15785, Stop: 17479, Start Num: 77

Candidate Starts for Tarnish_18:

(Start: 73 @15782 has 9 MA's), (Start: 77 @15785 has 39 MA's), (135, 15884), (154, 15926), (203, 16064), (243, 16166), (271, 16253), (283, 16283), (291, 16310), (307, 16355), (345, 16388), (350, 16403), (358, 16427), (370, 16460), (381, 16493), (385, 16505), (401, 16562), (412, 16592), (422, 16610), (432, 16640), (443, 16670), (458, 16733), (475, 16784), (485, 16820), (490, 16835), (497, 16853), (511, 16910), (559, 17039), (561, 17051), (585, 17150), (586, 17153), (592, 17171), (612, 17249), (620, 17276), (633, 17318), (669, 17465), (673, 17471),

Gene: Tarzan_18 Start: 14963, Stop: 16579, Start Num: 85

Candidate Starts for Tarzan_18:

(Start: 85 @14963 has 14 MA's), (137, 15062), (145, 15086), (190, 15197), (191, 15200), (198, 15218), (201, 15227), (228, 15293), (234, 15308), (238, 15317), (243, 15323), (266, 15395), (272, 15413), (291, 15467), (294, 15476), (325, 15530), (353, 15566), (354, 15569), (392, 15677), (421, 15749), (423, 15755), (426, 15764), (433, 15782), (460, 15872), (499, 15986), (502, 16004), (507, 16016), (529, 16082), (551, 16130), (556, 16142), (558, 16154), (563, 16175), (566, 16187), (570, 16202), (578, 16232), (585, 16268), (644, 16457), (661, 16520), (665, 16541), (673, 16565),

Gene: Tayonia_19 Start: 17773, Stop: 19371, Start Num: 99

Candidate Starts for Tayonia_19:

(Start: 99 @17773 has 65 MA's), (208, 18022), (214, 18031), (220, 18049), (221, 18052), (246, 18106), (269, 18181), (291, 18250), (294, 18259), (297, 18271), (314, 18322), (328, 18349), (333, 18358), (334, 18361), (380, 18391), (381, 18394), (397, 18451), (423, 18517), (450, 18595), (461, 18628), (473, 18652), (484, 18688), (512, 18790), (534, 18847), (551, 18892), (554, 18898), (562, 18937), (624, 19177), (645, 19255),

Gene: Tchotchke_17 Start: 14738, Stop: 16447, Start Num: 83

Candidate Starts for Tchotchke_17:

(Start: 83 @14738 has 222 MA's), (134, 14825), (Start: 158 @14870 has 2 MA's), (165, 14894), (184, 14951), (199, 14999), (201, 15005), (206, 15023), (215, 15053), (254, 15158), (273, 15212), (276, 15218), (279, 15227), (287, 15248), (294, 15272), (305, 15308), (307, 15314), (319, 15347), (320, 15350), (322, 15359), (328, 15374), (331, 15380), (346, 15398), (350, 15413), (353, 15419), (359, 15437), (360, 15440), (367, 15455), (373, 15470), (374, 15476), (390, 15524), (394, 15536), (395, 15542), (423, 15602), (427, 15614), (443, 15650), (445, 15662), (469, 15737), (471, 15746), (478, 15764), (479, 15770), (487, 15800), (529, 15905), (533, 15917), (543, 15953), (562, 16031), (592, 16151), (600, 16184), (609, 16214), (611, 16226), (616, 16244), (618, 16250), (619, 16253), (621, 16259), (631, 16274), (632, 16277), (637, 16298), (638, 16301), (652, 16343), (657, 16373), (667, 16415), (668, 16421),

Gene: TeamEdward_24 Start: 20001, Stop: 21596, Start Num: 132

Candidate Starts for TeamEdward_24:

(Start: 87 @19917 has 85 MA's), (Start: 132 @20001 has 48 MA's), (Start: 167 @20079 has 1 MA's), (195, 20166), (201, 20181), (215, 20229), (229, 20268), (261, 20355), (274, 20388), (287, 20424), (295, 20454), (297, 20460), (321, 20529), (348, 20559), (351, 20571), (353, 20574), (374, 20631), (424, 20763), (426, 20769), (449, 20835), (451, 20841), (456, 20865), (471, 20913), (479, 20937), (481, 20946), (502, 21021), (532, 21072), (536, 21087), (578, 21249), (583, 21276), (592, 21306), (620, 21411), (650, 21489), (657, 21525), (660, 21534), (667, 21567), (673, 21582),

Gene: TeardropMSU_23 Start: 19653, Stop: 21332, Start Num: 87

Candidate Starts for TeardropMSU_23:

(Start: 87 @19653 has 85 MA's), (Start: 132 @19737 has 48 MA's), (Start: 167 @19815 has 1 MA's), (195, 19902), (201, 19917), (215, 19965), (229, 20004), (261, 20091), (274, 20124), (287, 20160), (295, 20190), (297, 20196), (321, 20265), (348, 20295), (351, 20307), (353, 20310), (374, 20367), (424, 20499), (426, 20505), (449, 20571), (451, 20577), (456, 20601), (471, 20649), (479, 20673), (481, 20682), (502, 20757), (532, 20808), (536, 20823), (578, 20985), (583, 21012), (592, 21042),

(620, 21147), (650, 21225), (657, 21261), (660, 21270), (667, 21303), (673, 21318),

Gene: Teaspoon_25 Start: 19699, Stop: 21378, Start Num: 87

Candidate Starts for Teaspoon_25:

(Start: 87 @19699 has 85 MA's), (Start: 132 @19783 has 48 MA's), (Start: 167 @19861 has 1 MA's), (195, 19948), (201, 19963), (215, 20011), (229, 20050), (261, 20137), (274, 20170), (287, 20206), (295, 20236), (297, 20242), (321, 20311), (348, 20341), (351, 20353), (353, 20356), (374, 20413), (424, 20545), (426, 20551), (449, 20617), (451, 20623), (456, 20647), (471, 20695), (479, 20719), (481, 20728), (502, 20803), (532, 20854), (536, 20869), (578, 21031), (583, 21058), (592, 21088), (620, 21193), (650, 21271), (657, 21307), (660, 21316), (667, 21349), (673, 21364),

Gene: Techage_19 Start: 16376, Stop: 18112, Start Num: 80

Candidate Starts for Techage_19:

(Start: 65 @16352 has 2 MA's), (Start: 80 @16376 has 48 MA's), (115, 16436), (125, 16457), (127, 16460), (176, 16580), (190, 16619), (200, 16652), (207, 16676), (250, 16796), (261, 16835), (263, 16841), (292, 16925), (294, 16931), (297, 16943), (305, 16967), (315, 16994), (321, 17012), (337, 17051), (346, 17057), (354, 17081), (374, 17135), (379, 17147), (382, 17156), (398, 17216), (430, 17294), (445, 17333), (453, 17366), (471, 17432), (477, 17447), (479, 17456), (485, 17480), (495, 17510), (499, 17522), (540, 17624), (546, 17636), (547, 17639), (548, 17645), (549, 17654), (576, 17762), (596, 17846), (625, 17945), (660, 18053), (673, 18101),

Gene: TelAviv_53 Start: 33442, Stop: 35178, Start Num: 67

Candidate Starts for TelAviv_53:

(Start: 63 @33433 has 2 MA's), (Start: 67 @33442 has 29 MA's), (122, 33532), (170, 33649), (184, 33685), (191, 33706), (199, 33733), (201, 33739), (217, 33793), (236, 33844), (287, 33982), (289, 33988), (304, 34039), (305, 34042), (311, 34060), (346, 34111), (353, 34132), (354, 34135), (373, 34183), (374, 34189), (390, 34237), (392, 34243), (394, 34249), (415, 34309), (423, 34333), (424, 34336), (443, 34381), (446, 34396), (448, 34405), (451, 34414), (464, 34459), (471, 34477), (481, 34510), (533, 34648), (538, 34669), (557, 34735), (563, 34765), (576, 34819), (585, 34861), (592, 34882), (596, 34903), (600, 34915), (606, 34936), (621, 34990), (650, 35068), (657, 35104), (662, 35125), (668, 35152),

Gene: Terminus_24 Start: 19833, Stop: 21512, Start Num: 87

Candidate Starts for Terminus_24:

(Start: 87 @19833 has 85 MA's), (Start: 132 @19917 has 48 MA's), (Start: 167 @19995 has 1 MA's), (195, 20082), (201, 20097), (215, 20145), (229, 20184), (261, 20271), (274, 20304), (287, 20340), (295, 20370), (297, 20376), (321, 20445), (348, 20475), (351, 20487), (353, 20490), (374, 20547), (424, 20679), (426, 20685), (449, 20751), (451, 20757), (456, 20781), (471, 20829), (479, 20853), (481, 20862), (502, 20937), (532, 20988), (536, 21003), (578, 21165), (583, 21192), (592, 21222), (620, 21327), (650, 21405), (657, 21441), (660, 21450), (667, 21483), (673, 21498),

Gene: Tessdabest_17 Start: 14986, Stop: 16695, Start Num: 86

Candidate Starts for Tessdabest_17:

(Start: 86 @14986 has 47 MA's), (104, 15013), (Start: 158 @15118 has 2 MA's), (161, 15130), (171, 15166), (190, 15217), (199, 15247), (201, 15253), (209, 15280), (211, 15286), (254, 15406), (273, 15460), (276, 15466), (283, 15484), (287, 15496), (288, 15499), (294, 15520), (307, 15562), (319, 15595), (346, 15646), (350, 15661), (367, 15703), (373, 15718), (374, 15724), (390, 15772), (396, 15796), (406, 15826), (423, 15850), (445, 15910), (448, 15922), (464, 15976), (469, 15985), (486, 16045), (487, 16048), (529, 16153), (532, 16162), (543, 16201), (577, 16339), (615, 16489), (616, 16492), (619, 16501), (631, 16522), (638, 16549), (650, 16585), (673, 16678),

Gene: ThankyouJordi_18 Start: 17806, Stop: 19404, Start Num: 99

Candidate Starts for ThankyouJordi_18:

(26, 17509), (28, 17584), (30, 17605), (46, 17689), (Start: 99 @17806 has 65 MA's), (214, 18064), (220, 18082), (221, 18085), (246, 18139), (291, 18283), (297, 18304), (314, 18355), (333, 18391), (334, 18394), (381, 18427), (397, 18484), (461, 18661), (473, 18685), (484, 18721), (512, 18823), (534, 18880), (562, 18970), (624, 19210), (645, 19288),

Gene: Thespis_19 Start: 16385, Stop: 18121, Start Num: 80

Candidate Starts for Thespis_19:

(Start: 65 @16361 has 2 MA's), (Start: 80 @16385 has 48 MA's), (115, 16445), (125, 16466), (127, 16469), (176, 16589), (190, 16628), (200, 16661), (207, 16685), (250, 16805), (261, 16844), (263, 16850), (292, 16934), (294, 16940), (297, 16952), (305, 16976), (315, 17003), (321, 17021), (337, 17060), (346, 17066), (354, 17090), (374, 17144), (379, 17156), (382, 17165), (398, 17225), (430, 17303), (445, 17342), (453, 17375), (471, 17441), (477, 17456), (479, 17465), (485, 17489), (495, 17519), (499, 17531), (540, 17633), (546, 17645), (547, 17648), (548, 17654), (549, 17663), (576, 17771), (596, 17855), (625, 17954), (660, 18062), (673, 18110),

Gene: Thibault_33 Start: 27746, Stop: 29479, Start Num: 84

Candidate Starts for Thibault_33:

(Start: 84 @27746 has 30 MA's), (Start: 132 @27836 has 48 MA's), (155, 27884), (165, 27914), (173, 27941), (207, 28043), (216, 28073), (252, 28172), (263, 28208), (274, 28235), (288, 28274), (297, 28307), (300, 28316), (353, 28445), (354, 28448), (359, 28463), (374, 28502), (390, 28550), (394, 28562), (395, 28568), (416, 28625), (424, 28646), (430, 28664), (447, 28712), (478, 28814), (495, 28874), (499, 28886), (536, 28970), (539, 28982), (540, 28988), (546, 29000), (547, 29003), (556, 29042), (560, 29060), (569, 29096), (570, 29102), (592, 29189), (615, 29279), (635, 29321), (640, 29339), (649, 29369), (658, 29411), (673, 29465),

Gene: Thimann_20 Start: 17295, Stop: 18875, Start Num: 99

Candidate Starts for Thimann_20:

(46, 17178), (Start: 99 @17295 has 65 MA's), (214, 17553), (221, 17574), (246, 17628), (257, 17667), (275, 17724), (283, 17745), (381, 17916), (387, 17934), (394, 17958), (398, 17979), (423, 18021), (451, 18102), (484, 18192), (512, 18294), (513, 18297), (534, 18351), (562, 18441), (635, 18720), (637, 18729), (645, 18759),

Gene: Thimble_24 Start: 18699, Stop: 20378, Start Num: 87

Candidate Starts for Thimble_24:

(Start: 87 @18699 has 85 MA's), (Start: 132 @18783 has 48 MA's), (Start: 167 @18861 has 1 MA's), (195, 18948), (201, 18963), (215, 19011), (229, 19050), (261, 19137), (274, 19170), (287, 19206), (295, 19236), (297, 19242), (321, 19311), (348, 19341), (351, 19353), (353, 19356), (374, 19413), (424, 19545), (426, 19551), (449, 19617), (451, 19623), (456, 19647), (471, 19695), (479, 19719), (481, 19728), (502, 19803), (532, 19854), (536, 19869), (578, 20031), (583, 20058), (592, 20088), (620, 20193), (650, 20271), (657, 20307), (660, 20316), (667, 20349), (673, 20364),

Gene: ThreeRngTarjay_35 Start: 27471, Stop: 29469, Start Num: 84

Candidate Starts for ThreeRngTarjay_35:

(Start: 84 @27471 has 30 MA's), (Start: 132 @27561 has 48 MA's), (155, 27609), (165, 27639), (173, 27666), (207, 27768), (216, 27798), (252, 27897), (263, 27933), (265, 27939), (274, 27960), (297, 28032), (300, 28041), (307, 28062), (331, 28131), (353, 28170), (354, 28173), (359, 28188), (374, 28227), (390, 28275), (394, 28287), (395, 28293), (413, 28341), (416, 28350), (424, 28371), (430, 28389), (447, 28437), (478, 28539), (499, 28611), (510, 28656), (512, 28668), (522, 28803), (523, 28809), (524, 28833), (525, 28905), (527, 28932), (593, 29181),

Gene: Thresher_25 Start: 20500, Stop: 22179, Start Num: 87

Candidate Starts for Thresher_25:

(Start: 87 @20500 has 85 MA's), (Start: 132 @20584 has 48 MA's), (Start: 167 @20662 has 1 MA's),
(195, 20749), (201, 20764), (215, 20812), (229, 20851), (261, 20938), (274, 20971), (287, 21007),
(295, 21037), (297, 21043), (321, 21112), (348, 21142), (351, 21154), (353, 21157), (374, 21214),
(424, 21346), (426, 21352), (449, 21418), (451, 21424), (456, 21448), (471, 21496), (479, 21520),
(481, 21529), (502, 21604), (532, 21655), (536, 21670), (578, 21832), (583, 21859), (592, 21889),
(620, 21994), (650, 22072), (657, 22108), (660, 22117), (667, 22150), (673, 22165),

Gene: ThulaThula_18 Start: 16085, Stop: 17821, Start Num: 80

Candidate Starts for ThulaThula_18:

(Start: 80 @16085 has 48 MA's), (125, 16166), (127, 16169), (152, 16220), (154, 16223), (Start: 158
@16232 has 2 MA's), (176, 16289), (190, 16328), (195, 16349), (200, 16361), (206, 16382), (207,
16385), (209, 16391), (250, 16505), (261, 16544), (263, 16550), (301, 16664), (319, 16715), (321,
16721), (337, 16760), (346, 16766), (354, 16790), (374, 16844), (379, 16856), (382, 16865), (398,
16925), (423, 16982), (430, 17003), (445, 17042), (453, 17075), (471, 17141), (479, 17165), (485,
17189), (495, 17219), (499, 17231), (540, 17333), (546, 17345), (547, 17348), (548, 17354), (549,
17363), (576, 17471), (596, 17555), (615, 17624), (625, 17654), (667, 17795), (673, 17810),

Gene: Tiamoceli_33 Start: 28384, Stop: 30003, Start Num: 92

Candidate Starts for Tiamoceli_33:

(Start: 92 @28384 has 11 MA's), (106, 28405), (137, 28468), (186, 28591), (190, 28603), (214, 28660),
(247, 28738), (288, 28861), (354, 28975), (366, 29005), (381, 29047), (398, 29110), (423, 29158),
(426, 29167), (445, 29218), (457, 29266), (507, 29431), (513, 29461), (557, 29560), (558, 29569),
(559, 29572), (570, 29617), (582, 29674), (583, 29680), (584, 29686), (597, 29734), (600, 29743),
(601, 29749), (602, 29752), (620, 29803), (635, 29848), (653, 29917), (664, 29965), (667, 29977),

Gene: TimTam_19 Start: 17764, Stop: 19362, Start Num: 99

Candidate Starts for TimTam_19:

(Start: 99 @17764 has 65 MA's), (214, 18022), (220, 18040), (221, 18043), (246, 18097), (269, 18172),
(291, 18241), (294, 18250), (297, 18262), (314, 18313), (328, 18340), (333, 18349), (334, 18352),
(381, 18385), (397, 18442), (423, 18508), (461, 18619), (473, 18643), (484, 18679), (512, 18781),
(534, 18838), (562, 18928), (624, 19168), (645, 19246),

Gene: TinaLin_25 Start: 17451, Stop: 18779, Start Num: 179

Candidate Starts for TinaLin_25:

(Start: 179 @17451 has 11 MA's), (186, 17469), (224, 17577), (259, 17667), (270, 17700), (289,
17757), (294, 17775), (296, 17784), (303, 17805), (306, 17814), (318, 17847), (338, 17880), (395,
17943), (403, 17973), (408, 17982), (420, 17991), (423, 18000), (476, 18120), (484, 18147), (499,
18192), (507, 18222), (513, 18252), (550, 18324), (558, 18357), (560, 18363), (605, 18534), (624,
18585), (648, 18669), (651, 18678), (654, 18696), (674, 18768),

Gene: TinyDot_19 Start: 15300, Stop: 16880, Start Num: 99

Candidate Starts for TinyDot_19:

(Start: 99 @15300 has 65 MA's), (169, 15420), (221, 15579), (238, 15621), (253, 15663), (283, 15753),
(295, 15795), (297, 15801), (380, 15921), (400, 15993), (431, 16056), (463, 16146), (504, 16263),
(562, 16446), (591, 16560), (598, 16590), (609, 16632), (637, 16734), (642, 16749),

Gene: Toast_19 Start: 16740, Stop: 18389, Start Num: 93

Candidate Starts for Toast_19:

(1, 15693), (2, 15738), (3, 15762), (4, 15768), (5, 15876), (6, 15924), (8, 15996), (10, 16071), (14,
16209), (15, 16239), (16, 16245), (20, 16377), (23, 16434), (25, 16443), (39, 16602), (71, 16704),
(Start: 93 @16740 has 51 MA's), (144, 16845), (173, 16923), (200, 16983), (204, 16995), (205, 16998),
(283, 17196), (288, 17211), (331, 17295), (347, 17307), (350, 17316), (351, 17319), (358, 17340),
(374, 17382), (385, 17412), (451, 17595), (456, 17619), (475, 17670), (485, 17703), (502, 17763),

(507, 17775), (515, 17817), (520, 17835), (560, 17970), (583, 18069), (588, 18087), (601, 18138), (622, 18198), (624, 18204), (648, 18279),

Gene: Tolls_20 Start: 15401, Stop: 17098, Start Num: 77

Candidate Starts for Tolls_20:

(Start: 73 @15398 has 9 MA's), (Start: 77 @15401 has 39 MA's), (135, 15503), (138, 15515), (178, 15611), (206, 15695), (243, 15785), (261, 15845), (271, 15872), (283, 15902), (284, 15905), (307, 15974), (345, 16007), (349, 16019), (350, 16022), (356, 16043), (358, 16046), (381, 16112), (385, 16124), (443, 16289), (485, 16439), (490, 16454), (497, 16472), (511, 16529), (561, 16670), (563, 16676), (566, 16688), (569, 16697), (585, 16769), (586, 16772), (588, 16778), (592, 16790), (620, 16895), (623, 16904), (633, 16937),

Gene: Tomaszewski_23 Start: 19346, Stop: 21025, Start Num: 87

Candidate Starts for Tomaszewski_23:

(Start: 87 @19346 has 85 MA's), (Start: 132 @19430 has 48 MA's), (Start: 167 @19508 has 1 MA's), (195, 19595), (201, 19610), (215, 19658), (229, 19697), (261, 19784), (274, 19817), (287, 19853), (295, 19883), (297, 19889), (321, 19958), (348, 19988), (351, 20000), (353, 20003), (374, 20060), (424, 20192), (426, 20198), (449, 20264), (451, 20270), (456, 20294), (471, 20342), (479, 20366), (481, 20375), (502, 20450), (532, 20501), (536, 20516), (578, 20678), (583, 20705), (592, 20735), (620, 20840), (650, 20918), (657, 20954), (660, 20963), (667, 20996), (673, 21011),

Gene: Toniann_48 Start: 29557, Stop: 31248, Start Num: 74

Candidate Starts for Toniann_48:

(Start: 74 @29557 has 17 MA's), (110, 29617), (129, 29650), (139, 29683), (190, 29809), (201, 29842), (204, 29851), (255, 29980), (272, 30028), (374, 30241), (376, 30247), (385, 30271), (433, 30400), (443, 30421), (451, 30454), (502, 30652), (560, 30805), (583, 30904), (586, 30916), (589, 30925), (614, 31009), (658, 31156), (666, 31192), (669, 31204),

Gene: TootsiePop_17 Start: 14677, Stop: 16386, Start Num: 83

Candidate Starts for TootsiePop_17:

(Start: 83 @14677 has 222 MA's), (134, 14764), (Start: 158 @14809 has 2 MA's), (165, 14833), (199, 14938), (201, 14944), (206, 14962), (209, 14971), (215, 14992), (254, 15097), (276, 15157), (279, 15166), (284, 15178), (287, 15187), (294, 15211), (305, 15247), (307, 15253), (311, 15265), (319, 15286), (320, 15289), (322, 15298), (328, 15313), (331, 15319), (346, 15337), (350, 15352), (353, 15358), (359, 15376), (360, 15379), (367, 15394), (373, 15409), (374, 15415), (390, 15463), (394, 15475), (395, 15481), (423, 15541), (427, 15553), (430, 15562), (443, 15589), (445, 15601), (451, 15622), (469, 15676), (471, 15685), (479, 15709), (487, 15739), (529, 15844), (533, 15856), (543, 15892), (562, 15970), (585, 16069), (592, 16090), (600, 16123), (609, 16153), (616, 16183), (618, 16189), (619, 16192), (621, 16198), (631, 16213), (632, 16216), (637, 16237), (652, 16282), (667, 16354), (668, 16360),

Gene: Tootsieroll_17 Start: 14648, Stop: 16357, Start Num: 83

Candidate Starts for Tootsieroll_17:

(Start: 83 @14648 has 222 MA's), (134, 14735), (Start: 158 @14780 has 2 MA's), (165, 14804), (184, 14861), (199, 14909), (201, 14915), (206, 14933), (215, 14963), (254, 15068), (276, 15128), (279, 15137), (287, 15158), (294, 15182), (305, 15218), (307, 15224), (319, 15257), (320, 15260), (322, 15269), (328, 15284), (331, 15290), (346, 15308), (350, 15323), (353, 15329), (359, 15347), (360, 15350), (367, 15365), (368, 15368), (373, 15380), (374, 15386), (390, 15434), (394, 15446), (395, 15452), (423, 15512), (427, 15524), (443, 15560), (445, 15572), (469, 15647), (471, 15656), (478, 15674), (479, 15680), (487, 15710), (529, 15815), (532, 15824), (533, 15827), (543, 15863), (562, 15941), (585, 16040), (592, 16061), (600, 16094), (609, 16124), (616, 16154), (619, 16163), (621, 16169), (631, 16184), (632, 16187), (638, 16211), (648, 16241), (652, 16253), (657, 16283), (667, 16325),

Gene: Topiatin_18 Start: 15507, Stop: 17216, Start Num: 83

Candidate Starts for Topiatin_18:

(Start: 83 @15507 has 222 MA's), (134, 15594), (Start: 158 @15639 has 2 MA's), (165, 15663), (199, 15768), (201, 15774), (206, 15792), (215, 15822), (254, 15927), (276, 15987), (284, 16008), (287, 16017), (294, 16041), (319, 16116), (346, 16167), (350, 16182), (353, 16188), (367, 16224), (368, 16227), (373, 16239), (374, 16245), (390, 16293), (394, 16305), (395, 16311), (423, 16371), (427, 16383), (443, 16419), (445, 16431), (469, 16506), (471, 16515), (478, 16533), (479, 16539), (487, 16569), (529, 16674), (532, 16683), (533, 16686), (543, 16722), (560, 16788), (562, 16800), (585, 16899), (592, 16920), (600, 16953), (609, 16983), (616, 17013), (619, 17022), (621, 17028), (631, 17043), (632, 17046), (638, 17070), (648, 17100), (652, 17112), (657, 17142), (667, 17184),

Gene: Tortellini_18 Start: 15988, Stop: 17724, Start Num: 80

Candidate Starts for Tortellini_18:

(Start: 80 @15988 has 48 MA's), (127, 16072), (152, 16123), (154, 16126), (Start: 158 @16135 has 2 MA's), (176, 16192), (184, 16213), (200, 16264), (207, 16288), (210, 16297), (250, 16408), (261, 16447), (297, 16555), (301, 16567), (320, 16621), (321, 16624), (337, 16663), (346, 16669), (353, 16690), (354, 16693), (374, 16747), (382, 16768), (419, 16873), (430, 16906), (445, 16945), (453, 16978), (471, 17044), (479, 17068), (485, 17092), (495, 17122), (499, 17134), (540, 17236), (546, 17248), (548, 17257), (549, 17266), (574, 17365), (576, 17374), (596, 17458), (625, 17557), (667, 17698), (673, 17713),

Gene: Tortoise12_18 Start: 14989, Stop: 16698, Start Num: 86

Candidate Starts for Tortoise12_18:

(Start: 86 @14989 has 47 MA's), (104, 15016), (Start: 158 @15121 has 2 MA's), (161, 15133), (171, 15169), (190, 15220), (199, 15250), (201, 15256), (209, 15283), (211, 15289), (254, 15409), (273, 15463), (276, 15469), (283, 15487), (287, 15499), (288, 15502), (294, 15523), (307, 15565), (319, 15598), (346, 15649), (350, 15664), (367, 15706), (373, 15721), (374, 15727), (390, 15775), (396, 15799), (406, 15829), (423, 15853), (445, 15913), (448, 15925), (464, 15979), (469, 15988), (486, 16048), (487, 16051), (529, 16156), (532, 16165), (543, 16204), (577, 16342), (615, 16492), (616, 16495), (619, 16504), (631, 16525), (638, 16552), (650, 16588), (673, 16681),

Gene: Totinger_17 Start: 14596, Stop: 16305, Start Num: 83

Candidate Starts for Totinger_17:

(Start: 83 @14596 has 222 MA's), (134, 14683), (Start: 158 @14728 has 2 MA's), (165, 14752), (199, 14857), (201, 14863), (206, 14881), (215, 14911), (254, 15016), (276, 15076), (283, 15094), (284, 15097), (287, 15106), (294, 15130), (346, 15256), (350, 15271), (353, 15277), (367, 15313), (368, 15316), (373, 15328), (374, 15334), (390, 15382), (394, 15394), (395, 15400), (423, 15460), (427, 15472), (443, 15508), (445, 15520), (469, 15595), (471, 15604), (478, 15622), (479, 15628), (487, 15658), (529, 15763), (533, 15775), (543, 15811), (562, 15889), (592, 16009), (600, 16042), (609, 16072), (611, 16084), (616, 16102), (618, 16108), (619, 16111), (621, 16117), (631, 16132), (632, 16135), (637, 16156), (638, 16159), (652, 16201), (657, 16231), (667, 16273), (668, 16279),

Gene: Toto_24 Start: 19830, Stop: 21425, Start Num: 132

Candidate Starts for Toto_24:

(Start: 87 @19746 has 85 MA's), (Start: 132 @19830 has 48 MA's), (Start: 167 @19908 has 1 MA's), (195, 19995), (201, 20010), (215, 20058), (229, 20097), (261, 20184), (274, 20217), (287, 20253), (295, 20283), (297, 20289), (321, 20358), (348, 20388), (351, 20400), (353, 20403), (374, 20460), (424, 20592), (426, 20598), (449, 20664), (451, 20670), (456, 20694), (471, 20742), (479, 20766), (481, 20775), (502, 20850), (532, 20901), (536, 20916), (578, 21078), (583, 21105), (592, 21135), (620, 21240), (650, 21318), (657, 21354), (660, 21363), (667, 21396), (673, 21411),

Gene: Towmatter_28 Start: 25303, Stop: 27189, Start Num: 75

Candidate Starts for Towmatter_28:

(Start: 75 @25303 has 5 MA's), (137, 25414), (160, 25465), (173, 25513), (227, 25645), (255, 25720), (272, 25768), (300, 25852), (323, 25990), (343, 26089), (371, 26182), (374, 26194), (376, 26200), (385, 26224), (395, 26260), (396, 26266), (445, 26386), (453, 26419), (456, 26431), (478, 26491), (502, 26593), (513, 26635), (519, 26659), (569, 26782), (586, 26857), (592, 26875), (630, 26989), (679, 27181),

Gene: Traaww1_22 Start: 19391, Stop: 21070, Start Num: 87

Candidate Starts for Traaww1_22:

(Start: 87 @19391 has 85 MA's), (Start: 132 @19475 has 48 MA's), (Start: 167 @19553 has 1 MA's), (195, 19640), (201, 19655), (215, 19703), (229, 19742), (261, 19829), (265, 19841), (274, 19862), (287, 19898), (295, 19928), (297, 19934), (321, 20003), (348, 20033), (351, 20045), (353, 20048), (374, 20105), (424, 20237), (426, 20243), (449, 20309), (451, 20315), (456, 20339), (471, 20387), (479, 20411), (481, 20420), (502, 20495), (532, 20546), (536, 20561), (578, 20723), (583, 20750), (592, 20780), (620, 20885), (650, 20963), (657, 20999), (660, 21008), (667, 21041), (673, 21056),

Gene: Tracker_41 Start: 29603, Stop: 31216, Start Num: 91

Candidate Starts for Tracker_41:

(Start: 91 @29603 has 39 MA's), (Start: 117 @29639 has 1 MA's), (124, 29657), (153, 29717), (246, 29957), (249, 29969), (253, 29984), (278, 30050), (283, 30065), (292, 30089), (293, 30092), (327, 30176), (340, 30206), (342, 30209), (372, 30257), (374, 30266), (390, 30314), (391, 30317), (396, 30338), (438, 30443), (451, 30488), (463, 30530), (517, 30704), (533, 30734), (534, 30740), (572, 30848), (573, 30851), (592, 30926), (657, 31145), (673, 31202),

Gene: Trine_18 Start: 14775, Stop: 16385, Start Num: 85

Candidate Starts for Trine_18:

(Start: 85 @14775 has 14 MA's), (150, 14901), (205, 15048), (272, 15222), (325, 15339), (371, 15420), (403, 15525), (427, 15576), (444, 15615), (448, 15636), (484, 15750), (485, 15753), (502, 15813), (507, 15825), (508, 15828), (513, 15855), (566, 15996), (570, 16011), (620, 16191), (633, 16221), (652, 16287), (661, 16329), (673, 16374),

Gene: Troje_18 Start: 15362, Stop: 17059, Start Num: 77

Candidate Starts for Troje_18:

(61, 15332), (Start: 73 @15359 has 9 MA's), (Start: 77 @15362 has 39 MA's), (178, 15572), (238, 15740), (243, 15746), (280, 15854), (291, 15890), (300, 15920), (307, 15935), (345, 15968), (349, 15980), (361, 16016), (381, 16073), (385, 16085), (427, 16205), (437, 16226), (443, 16250), (485, 16400), (490, 16415), (497, 16433), (511, 16490), (559, 16619), (561, 16631), (566, 16649), (569, 16658), (585, 16730), (586, 16733), (588, 16739), (592, 16751), (620, 16856), (623, 16865), (633, 16898), (664, 17024),

Gene: Trumpet_19 Start: 17773, Stop: 19371, Start Num: 99

Candidate Starts for Trumpet_19:

(Start: 99 @17773 has 65 MA's), (208, 18022), (214, 18031), (220, 18049), (221, 18052), (246, 18106), (269, 18181), (291, 18250), (294, 18259), (297, 18271), (314, 18322), (328, 18349), (333, 18358), (334, 18361), (380, 18391), (381, 18394), (397, 18451), (423, 18517), (450, 18595), (461, 18628), (473, 18652), (484, 18688), (512, 18790), (534, 18847), (551, 18892), (554, 18898), (562, 18937), (624, 19177), (645, 19255),

Gene: Tuco_25 Start: 20261, Stop: 21940, Start Num: 87

Candidate Starts for Tuco_25:

(Start: 87 @20261 has 85 MA's), (Start: 132 @20345 has 48 MA's), (Start: 167 @20423 has 1 MA's), (195, 20510), (201, 20525), (215, 20573), (229, 20612), (261, 20699), (274, 20732), (287, 20768), (295, 20798), (297, 20804), (321, 20873), (348, 20903), (351, 20915), (353, 20918), (374, 20975),

(424, 21107), (426, 21113), (449, 21179), (451, 21185), (456, 21209), (471, 21257), (479, 21281), (481, 21290), (502, 21365), (532, 21416), (536, 21431), (578, 21593), (583, 21620), (592, 21650), (620, 21755), (650, 21833), (657, 21869), (660, 21878), (667, 21911), (673, 21926),

Gene: TuertoX_17 Start: 14758, Stop: 16467, Start Num: 100

Candidate Starts for TuertoX_17:

(Start: 100 @14758 has 33 MA's), (157, 14875), (205, 15025), (220, 15064), (225, 15079), (253, 15148), (257, 15160), (283, 15238), (284, 15241), (333, 15373), (352, 15427), (380, 15508), (397, 15568), (398, 15574), (400, 15580), (442, 15661), (451, 15697), (463, 15733), (473, 15751), (485, 15790), (508, 15862), (512, 15886), (583, 16120), (587, 16135), (598, 16177), (623, 16270), (624, 16273), (637, 16321), (645, 16351),

Gene: Turuncu_45 Start: 30900, Stop: 32519, Start Num: 91

Candidate Starts for Turuncu_45:

(Start: 91 @30900 has 39 MA's), (Start: 100 @30915 has 33 MA's), (Start: 117 @30936 has 1 MA's), (153, 31014), (201, 31152), (253, 31281), (263, 31311), (274, 31338), (278, 31347), (283, 31362), (327, 31473), (340, 31503), (342, 31506), (374, 31563), (452, 31788), (463, 31827), (483, 31875), (517, 32001), (534, 32037), (560, 32094), (573, 32148), (592, 32223), (635, 32355), (655, 32430), (657, 32442), (661, 32454), (662, 32463), (673, 32499),

Gene: Tuti_20 Start: 17709, Stop: 19289, Start Num: 99

Candidate Starts for Tuti_20:

(46, 17592), (Start: 99 @17709 has 65 MA's), (151, 17793), (174, 17853), (220, 17985), (221, 17988), (246, 18042), (257, 18081), (275, 18138), (283, 18159), (316, 18261), (381, 18330), (387, 18348), (394, 18372), (398, 18393), (423, 18435), (451, 18516), (484, 18606), (512, 18708), (534, 18765), (562, 18855), (635, 19134), (637, 19143), (645, 19173),

Gene: Tweety_16 Start: 14860, Stop: 16569, Start Num: 83

Candidate Starts for Tweety_16:

(Start: 83 @14860 has 222 MA's), (134, 14947), (Start: 158 @14992 has 2 MA's), (165, 15016), (199, 15121), (201, 15127), (206, 15145), (215, 15175), (254, 15280), (276, 15340), (284, 15361), (287, 15370), (294, 15394), (346, 15520), (350, 15535), (353, 15541), (367, 15577), (368, 15580), (373, 15592), (374, 15598), (390, 15646), (394, 15658), (395, 15664), (423, 15724), (427, 15736), (443, 15772), (445, 15784), (469, 15859), (471, 15868), (478, 15886), (479, 15892), (487, 15922), (529, 16027), (532, 16036), (533, 16039), (543, 16075), (562, 16153), (585, 16252), (592, 16273), (600, 16306), (609, 16336), (616, 16366), (619, 16375), (621, 16381), (631, 16396), (632, 16399), (638, 16423), (648, 16453), (652, 16465), (657, 16495), (667, 16537),

Gene: Twinkle_20 Start: 18961, Stop: 20541, Start Num: 99

Candidate Starts for Twinkle_20:

(46, 18844), (Start: 99 @18961 has 65 MA's), (214, 19219), (221, 19240), (246, 19294), (257, 19333), (275, 19390), (283, 19411), (381, 19582), (387, 19600), (394, 19624), (398, 19645), (423, 19687), (451, 19768), (484, 19858), (500, 19909), (512, 19960), (513, 19963), (534, 20017), (562, 20107), (635, 20386), (637, 20395), (645, 20425),

Gene: Twonlo_30 Start: 27002, Stop: 28621, Start Num: 92

Candidate Starts for Twonlo_30:

(Start: 92 @27002 has 11 MA's), (106, 27023), (137, 27086), (186, 27209), (190, 27221), (214, 27278), (247, 27356), (288, 27479), (354, 27593), (366, 27623), (381, 27665), (398, 27728), (423, 27776), (426, 27785), (445, 27836), (457, 27884), (507, 28049), (513, 28079), (558, 28187), (559, 28190), (570, 28235), (582, 28292), (583, 28298), (584, 28304), (597, 28352), (600, 28361), (601, 28367), (602, 28370), (620, 28421), (635, 28466), (653, 28535), (664, 28583), (667, 28595),

Gene: Typhonomachy_18 Start: 15732, Stop: 17429, Start Num: 77

Candidate Starts for Typhonomachy_18:

(Start: 73 @15729 has 9 MA's), (Start: 77 @15732 has 39 MA's), (178, 15942), (220, 16065), (243, 16116), (271, 16203), (275, 16212), (283, 16233), (288, 16248), (291, 16260), (345, 16338), (349, 16350), (358, 16377), (370, 16410), (381, 16443), (385, 16455), (396, 16497), (443, 16620), (462, 16692), (485, 16770), (490, 16785), (497, 16803), (511, 16860), (550, 16953), (559, 16989), (561, 17001), (563, 17007), (566, 17019), (569, 17028), (585, 17100), (586, 17103), (588, 17109), (592, 17121), (608, 17181), (620, 17226), (623, 17235), (633, 17268), (652, 17334),

Gene: Ukulele_24 Start: 19504, Stop: 21183, Start Num: 87

Candidate Starts for Ukulele_24:

(Start: 87 @19504 has 85 MA's), (Start: 132 @19588 has 48 MA's), (Start: 167 @19666 has 1 MA's), (195, 19753), (201, 19768), (215, 19816), (229, 19855), (261, 19942), (274, 19975), (287, 20011), (295, 20041), (297, 20047), (321, 20116), (348, 20146), (351, 20158), (353, 20161), (374, 20218), (424, 20350), (426, 20356), (449, 20422), (451, 20428), (456, 20452), (471, 20500), (479, 20524), (481, 20533), (502, 20608), (532, 20659), (536, 20674), (578, 20836), (583, 20863), (592, 20893), (620, 20998), (650, 21076), (657, 21112), (660, 21121), (667, 21154), (673, 21169),

Gene: UmaThurman_19 Start: 16778, Stop: 18424, Start Num: 93

Candidate Starts for UmaThurman_19:

(71, 16742), (Start: 93 @16778 has 51 MA's), (144, 16880), (171, 16952), (173, 16958), (Start: 179 @16961 has 11 MA's), (219, 17057), (233, 17096), (262, 17177), (283, 17231), (288, 17246), (347, 17342), (374, 17417), (385, 17447), (451, 17630), (456, 17654), (502, 17798), (507, 17810), (520, 17870), (559, 18002), (560, 18005), (583, 18104), (588, 18122), (601, 18173), (624, 18239), (643, 18302), (648, 18314),

Gene: UncleRicky_17 Start: 14628, Stop: 16337, Start Num: 83

Candidate Starts for UncleRicky_17:

(Start: 83 @14628 has 222 MA's), (134, 14715), (Start: 158 @14760 has 2 MA's), (165, 14784), (184, 14841), (199, 14889), (201, 14895), (206, 14913), (215, 14943), (254, 15048), (273, 15102), (276, 15108), (279, 15117), (284, 15129), (287, 15138), (294, 15162), (305, 15198), (307, 15204), (311, 15216), (319, 15237), (320, 15240), (322, 15249), (328, 15264), (331, 15270), (346, 15288), (350, 15303), (353, 15309), (359, 15327), (360, 15330), (367, 15345), (373, 15360), (374, 15366), (385, 15396), (390, 15414), (394, 15426), (395, 15432), (423, 15492), (427, 15504), (443, 15540), (445, 15552), (451, 15573), (469, 15627), (471, 15636), (479, 15660), (487, 15690), (529, 15795), (533, 15807), (543, 15843), (554, 15882), (562, 15921), (585, 16020), (592, 16041), (600, 16074), (609, 16104), (616, 16134), (619, 16143), (621, 16149), (631, 16164), (632, 16167), (637, 16188), (638, 16191), (652, 16233), (657, 16263), (667, 16305), (668, 16311),

Gene: Upyo_18 Start: 14948, Stop: 16558, Start Num: 85

Candidate Starts for Upyo_18:

(49, 14867), (Start: 85 @14948 has 14 MA's), (Start: 92 @14957 has 11 MA's), (136, 15041), (150, 15074), (191, 15182), (205, 15221), (227, 15272), (243, 15305), (272, 15395), (284, 15425), (325, 15512), (370, 15590), (371, 15593), (394, 15665), (403, 15698), (427, 15749), (443, 15785), (448, 15809), (465, 15869), (484, 15923), (485, 15926), (499, 15968), (502, 15986), (507, 15998), (551, 16112), (566, 16169), (570, 16184), (661, 16502), (673, 16547),

Gene: Utz_19 Start: 16645, Stop: 18291, Start Num: 93

Candidate Starts for Utz_19:

(71, 16609), (Start: 93 @16645 has 51 MA's), (144, 16747), (173, 16825), (Start: 179 @16828 has 11 MA's), (219, 16924), (233, 16963), (262, 17044), (283, 17098), (288, 17113), (374, 17284), (385, 17314), (451, 17497), (456, 17521), (457, 17524), (475, 17572), (502, 17665), (507, 17677), (516, 17722), (520, 17737), (559, 17869), (560, 17872), (583, 17971), (588, 17989), (601, 18040), (624,

18106), (643, 18169), (648, 18181),

Gene: VRedHorse_16 Start: 14970, Stop: 16679, Start Num: 83

Candidate Starts for VRedHorse_16:

(Start: 83 @14970 has 222 MA's), (134, 15057), (Start: 158 @15102 has 2 MA's), (165, 15126), (184, 15183), (199, 15231), (201, 15237), (206, 15255), (215, 15285), (254, 15390), (276, 15450), (279, 15459), (287, 15480), (294, 15504), (307, 15546), (319, 15579), (322, 15591), (328, 15606), (346, 15630), (350, 15645), (353, 15651), (367, 15687), (373, 15702), (374, 15708), (378, 15717), (390, 15756), (394, 15768), (395, 15774), (423, 15834), (443, 15882), (445, 15894), (451, 15915), (469, 15969), (471, 15978), (478, 15996), (479, 16002), (487, 16032), (529, 16137), (533, 16149), (543, 16185), (554, 16224), (562, 16263), (585, 16362), (592, 16383), (600, 16416), (609, 16446), (616, 16476), (618, 16482), (619, 16485), (621, 16491), (631, 16506), (632, 16509), (637, 16530), (652, 16575), (657, 16605), (667, 16647), (668, 16653),

Gene: Vagabond_56 Start: 33305, Stop: 35041, Start Num: 67

Candidate Starts for Vagabond_56:

(Start: 63 @33296 has 2 MA's), (Start: 67 @33305 has 29 MA's), (122, 33395), (170, 33512), (184, 33548), (191, 33569), (199, 33596), (201, 33602), (210, 33632), (217, 33656), (236, 33707), (287, 33845), (289, 33851), (304, 33902), (305, 33905), (311, 33923), (346, 33974), (353, 33995), (354, 33998), (373, 34046), (374, 34052), (390, 34100), (392, 34106), (394, 34112), (415, 34172), (423, 34196), (424, 34199), (443, 34244), (446, 34259), (448, 34268), (451, 34277), (464, 34322), (471, 34340), (481, 34373), (533, 34511), (538, 34532), (557, 34598), (563, 34628), (576, 34682), (585, 34724), (592, 34745), (596, 34766), (600, 34778), (606, 34799), (621, 34853), (650, 34931), (657, 34967), (662, 34988), (668, 35015),

Gene: Vasanti_17 Start: 14704, Stop: 16413, Start Num: 100

Candidate Starts for Vasanti_17:

(41, 14569), (46, 14584), (Start: 100 @14704 has 33 MA's), (122, 14746), (157, 14821), (181, 14893), (182, 14896), (225, 15025), (257, 15106), (283, 15184), (284, 15187), (297, 15232), (352, 15373), (380, 15454), (391, 15490), (397, 15514), (400, 15526), (423, 15562), (463, 15679), (479, 15712), (485, 15736), (508, 15808), (512, 15832), (513, 15835), (583, 16066), (587, 16081), (623, 16216), (624, 16219), (637, 16267), (645, 16297),

Gene: Velveteen_17 Start: 14635, Stop: 16344, Start Num: 83

Candidate Starts for Velveteen_17:

(Start: 83 @14635 has 222 MA's), (134, 14722), (Start: 158 @14767 has 2 MA's), (165, 14791), (199, 14896), (201, 14902), (206, 14920), (215, 14950), (254, 15055), (276, 15115), (284, 15136), (287, 15145), (294, 15169), (319, 15244), (320, 15247), (346, 15295), (350, 15310), (353, 15316), (367, 15352), (368, 15355), (373, 15367), (374, 15373), (390, 15421), (394, 15433), (395, 15439), (423, 15499), (427, 15511), (443, 15547), (445, 15559), (469, 15634), (471, 15643), (478, 15661), (479, 15667), (487, 15697), (529, 15802), (532, 15811), (533, 15814), (543, 15850), (562, 15928), (585, 16027), (592, 16048), (600, 16081), (609, 16111), (616, 16141), (619, 16150), (621, 16156), (631, 16171), (632, 16174), (638, 16198), (648, 16228), (652, 16240), (657, 16270), (667, 16312),

Gene: Vendetta_22 Start: 16480, Stop: 17808, Start Num: 179

Candidate Starts for Vendetta_22:

(Start: 179 @16480 has 11 MA's), (185, 16495), (240, 16639), (255, 16684), (270, 16729), (278, 16753), (288, 16783), (294, 16804), (296, 16813), (304, 16837), (307, 16846), (333, 16897), (338, 16909), (403, 17002), (408, 17011), (420, 17020), (440, 17065), (445, 17083), (484, 17176), (499, 17221), (514, 17290), (530, 17311), (560, 17392), (568, 17425), (592, 17512), (601, 17548), (605, 17563), (609, 17572), (624, 17614), (635, 17653), (651, 17707), (654, 17725), (667, 17782), (669, 17791),

Gene: Venti_19 Start: 16385, Stop: 18121, Start Num: 80

Candidate Starts for Venti_19:

(Start: 65 @16361 has 2 MA's), (Start: 80 @16385 has 48 MA's), (115, 16445), (125, 16466), (127, 16469), (176, 16589), (190, 16628), (200, 16661), (207, 16685), (250, 16805), (261, 16844), (263, 16850), (292, 16934), (294, 16940), (297, 16952), (305, 16976), (315, 17003), (321, 17021), (337, 17060), (346, 17066), (354, 17090), (374, 17144), (379, 17156), (382, 17165), (398, 17225), (430, 17303), (445, 17342), (453, 17375), (471, 17441), (477, 17456), (479, 17465), (485, 17489), (495, 17519), (499, 17531), (540, 17633), (546, 17645), (547, 17648), (548, 17654), (549, 17663), (576, 17771), (596, 17855), (625, 17954), (660, 18062), (673, 18110),

Gene: Verity_34 Start: 30944, Stop: 32566, Start Num: 90

Candidate Starts for Verity_34:

(Start: 60 @30887 has 1 MA's), (Start: 90 @30944 has 22 MA's), (106, 30965), (137, 31028), (163, 31091), (186, 31151), (190, 31163), (222, 31250), (247, 31301), (254, 31331), (284, 31412), (292, 31439), (354, 31538), (366, 31568), (370, 31577), (382, 31613), (398, 31673), (423, 31721), (426, 31730), (457, 31829), (473, 31868), (478, 31880), (515, 32036), (519, 32048), (534, 32075), (558, 32132), (568, 32171), (570, 32180), (582, 32237), (584, 32249), (597, 32297), (600, 32306), (601, 32312), (609, 32333), (635, 32411), (669, 32549),

Gene: Veteran_16 Start: 14805, Stop: 16514, Start Num: 83

Candidate Starts for Veteran_16:

(Start: 83 @14805 has 222 MA's), (134, 14892), (Start: 158 @14937 has 2 MA's), (165, 14961), (199, 15066), (201, 15072), (206, 15090), (215, 15120), (254, 15225), (273, 15279), (276, 15285), (279, 15294), (284, 15306), (287, 15315), (294, 15339), (305, 15375), (307, 15381), (311, 15393), (319, 15414), (320, 15417), (322, 15426), (328, 15441), (331, 15447), (346, 15465), (350, 15480), (353, 15486), (359, 15504), (360, 15507), (367, 15522), (373, 15537), (374, 15543), (385, 15573), (390, 15591), (394, 15603), (395, 15609), (423, 15669), (427, 15681), (443, 15717), (445, 15729), (451, 15750), (469, 15804), (471, 15813), (479, 15837), (487, 15867), (529, 15972), (533, 15984), (543, 16020), (554, 16059), (562, 16098), (585, 16197), (592, 16218), (600, 16251), (609, 16281), (616, 16311), (619, 16320), (621, 16326), (631, 16341), (632, 16344), (637, 16365), (638, 16368), (652, 16410), (657, 16440), (667, 16482), (668, 16488),

Gene: ViaConlectus_35 Start: 29390, Stop: 31012, Start Num: 90

Candidate Starts for ViaConlectus_35:

(Start: 90 @29390 has 22 MA's), (106, 29411), (113, 29423), (137, 29474), (156, 29513), (163, 29537), (190, 29609), (222, 29696), (247, 29747), (254, 29777), (296, 29900), (354, 29984), (366, 30014), (370, 30023), (381, 30056), (382, 30059), (398, 30119), (423, 30167), (426, 30176), (457, 30275), (473, 30314), (478, 30326), (515, 30482), (534, 30521), (559, 30581), (560, 30584), (566, 30611), (570, 30626), (582, 30683), (584, 30695), (597, 30743), (600, 30752), (601, 30758), (609, 30779), (620, 30812), (631, 30842), (635, 30857), (650, 30908), (667, 30986), (669, 30995),

Gene: Vidya_19 Start: 16385, Stop: 18121, Start Num: 80

Candidate Starts for Vidya_19:

(Start: 65 @16361 has 2 MA's), (Start: 80 @16385 has 48 MA's), (115, 16445), (125, 16466), (127, 16469), (176, 16589), (190, 16628), (200, 16661), (207, 16685), (250, 16805), (261, 16844), (263, 16850), (292, 16934), (294, 16940), (297, 16952), (305, 16976), (315, 17003), (321, 17021), (337, 17060), (346, 17066), (354, 17090), (374, 17144), (379, 17156), (382, 17165), (398, 17225), (430, 17303), (445, 17342), (453, 17375), (471, 17441), (477, 17456), (479, 17465), (485, 17489), (495, 17519), (499, 17531), (540, 17633), (546, 17645), (547, 17648), (548, 17654), (549, 17663), (576, 17771), (596, 17855), (625, 17954), (660, 18062), (673, 18110),

Gene: Vine_19 Start: 16430, Stop: 18124, Start Num: 77

Candidate Starts for Vine_19:

(Start: 73 @16427 has 9 MA's), (Start: 77 @16430 has 39 MA's), (135, 16529), (154, 16571), (243, 16811), (271, 16898), (280, 16919), (283, 16928), (291, 16955), (307, 17000), (345, 17033), (350, 17048), (358, 17072), (370, 17105), (381, 17138), (385, 17150), (401, 17207), (422, 17255), (432, 17285), (443, 17315), (446, 17330), (458, 17378), (475, 17429), (485, 17465), (490, 17480), (497, 17498), (511, 17555), (513, 17564), (559, 17684), (561, 17696), (574, 17744), (585, 17795), (586, 17798), (592, 17816), (612, 17894), (620, 17921), (633, 17963), (669, 18110), (673, 18116),

Gene: Violac_17 Start: 15353, Stop: 17062, Start Num: 83

Candidate Starts for Violac_17:

(Start: 83 @15353 has 222 MA's), (134, 15440), (143, 15461), (Start: 158 @15485 has 2 MA's), (165, 15509), (170, 15530), (199, 15614), (201, 15620), (206, 15638), (215, 15668), (254, 15773), (273, 15827), (276, 15833), (283, 15851), (284, 15854), (287, 15863), (294, 15887), (319, 15962), (322, 15974), (328, 15989), (331, 15995), (346, 16013), (350, 16028), (353, 16034), (360, 16055), (367, 16070), (373, 16085), (374, 16091), (390, 16139), (394, 16151), (395, 16157), (423, 16217), (427, 16229), (443, 16265), (445, 16277), (451, 16298), (469, 16352), (471, 16361), (478, 16379), (479, 16385), (487, 16415), (529, 16520), (533, 16532), (543, 16568), (553, 16604), (554, 16607), (562, 16646), (570, 16676), (585, 16745), (592, 16766), (600, 16799), (609, 16829), (616, 16859), (618, 16865), (619, 16868), (621, 16874), (631, 16889), (632, 16892), (637, 16913), (638, 16916), (652, 16958), (667, 17030), (668, 17036),

Gene: Vivum_16 Start: 14751, Stop: 16460, Start Num: 83

Candidate Starts for Vivum_16:

(Start: 83 @14751 has 222 MA's), (134, 14838), (Start: 158 @14883 has 2 MA's), (165, 14907), (199, 15012), (201, 15018), (206, 15036), (215, 15066), (254, 15171), (276, 15231), (283, 15249), (284, 15252), (287, 15261), (294, 15285), (346, 15411), (350, 15426), (353, 15432), (367, 15468), (368, 15471), (373, 15483), (374, 15489), (390, 15537), (394, 15549), (395, 15555), (423, 15615), (427, 15627), (443, 15663), (445, 15675), (469, 15750), (471, 15759), (478, 15777), (479, 15783), (487, 15813), (529, 15918), (533, 15930), (543, 15966), (562, 16044), (592, 16164), (600, 16197), (609, 16227), (611, 16239), (616, 16257), (618, 16263), (619, 16266), (621, 16272), (631, 16287), (632, 16290), (637, 16311), (638, 16314), (652, 16356), (657, 16386), (667, 16428), (668, 16434),

Gene: Vordorf_22 Start: 18371, Stop: 20029, Start Num: 81

Candidate Starts for Vordorf_22:

(29, 18182), (37, 18242), (62, 18335), (Start: 81 @18371 has 2 MA's), (Start: 88 @18383 has 5 MA's), (144, 18497), (148, 18503), (175, 18581), (197, 18647), (199, 18653), (243, 18764), (248, 18773), (253, 18800), (255, 18806), (256, 18809), (263, 18830), (350, 19001), (351, 19004), (376, 19070), (382, 19085), (409, 19169), (418, 19178), (433, 19220), (443, 19241), (454, 19289), (457, 19301), (467, 19328), (489, 19397), (506, 19466), (513, 19499), (536, 19556), (559, 19607), (576, 19676), (588, 19727), (597, 19763), (601, 19778), (621, 19835), (624, 19844), (637, 19883), (649, 19922), (651, 19928),

Gene: Vorrs_56 Start: 33517, Stop: 35253, Start Num: 67

Candidate Starts for Vorrs_56:

(Start: 63 @33508 has 2 MA's), (Start: 67 @33517 has 29 MA's), (122, 33607), (170, 33724), (184, 33760), (191, 33781), (199, 33808), (201, 33814), (210, 33844), (217, 33868), (236, 33919), (287, 34057), (289, 34063), (304, 34114), (305, 34117), (311, 34135), (346, 34186), (353, 34207), (354, 34210), (373, 34258), (374, 34264), (390, 34312), (392, 34318), (394, 34324), (415, 34384), (423, 34408), (424, 34411), (443, 34456), (446, 34471), (448, 34480), (451, 34489), (464, 34534), (471, 34552), (481, 34585), (533, 34723), (538, 34744), (557, 34810), (563, 34840), (576, 34894), (585, 34936), (592, 34957), (596, 34978), (600, 34990), (606, 35011), (621, 35065), (650, 35143), (657, 35179), (662, 35200), (668, 35227),

Gene: WST1_18 Start: 14319, Stop: 16085, Start Num: 48

Candidate Starts for WST1_18:

(Start: 48 @14319 has 1 MA's), (79, 14391), (123, 14472), (135, 14496), (154, 14538), (213, 14640), (220, 14664), (227, 14682), (274, 14817), (288, 14856), (344, 14961), (351, 14991), (370, 15039), (445, 15255), (484, 15387), (511, 15483), (526, 15534), (561, 15660), (563, 15666), (585, 15759), (586, 15762), (629, 15909), (633, 15924), (665, 16053), (667, 16062),

Gene: Wachhund_16 Start: 14831, Stop: 16540, Start Num: 83

Candidate Starts for Wachhund_16:

(Start: 83 @14831 has 222 MA's), (134, 14918), (Start: 158 @14963 has 2 MA's), (165, 14987), (199, 15092), (201, 15098), (206, 15116), (215, 15146), (254, 15251), (276, 15311), (284, 15332), (287, 15341), (294, 15365), (346, 15491), (350, 15506), (353, 15512), (367, 15548), (368, 15551), (373, 15563), (374, 15569), (390, 15617), (394, 15629), (395, 15635), (423, 15695), (427, 15707), (443, 15743), (445, 15755), (469, 15830), (471, 15839), (478, 15857), (479, 15863), (487, 15893), (529, 15998), (532, 16007), (533, 16010), (543, 16046), (562, 16124), (585, 16223), (592, 16244), (600, 16277), (609, 16307), (616, 16337), (619, 16346), (621, 16352), (631, 16367), (632, 16370), (638, 16394), (648, 16424), (652, 16436), (657, 16466), (667, 16508),

Gene: Walrus_20 Start: 16873, Stop: 18519, Start Num: 93

Candidate Starts for Walrus_20:

(71, 16837), (Start: 93 @16873 has 51 MA's), (144, 16975), (173, 17053), (Start: 179 @17056 has 11 MA's), (219, 17152), (233, 17191), (262, 17272), (283, 17326), (288, 17341), (347, 17437), (374, 17512), (385, 17542), (451, 17725), (456, 17749), (475, 17800), (502, 17893), (507, 17905), (516, 17950), (520, 17965), (559, 18097), (560, 18100), (583, 18199), (588, 18217), (601, 18268), (622, 18328), (624, 18334), (643, 18397), (648, 18409),

Gene: Wanda_37 Start: 26916, Stop: 28914, Start Num: 84

Candidate Starts for Wanda_37:

(Start: 84 @26916 has 30 MA's), (Start: 132 @27006 has 48 MA's), (155, 27054), (165, 27084), (173, 27111), (207, 27213), (216, 27243), (232, 27294), (252, 27342), (263, 27378), (265, 27384), (274, 27405), (297, 27477), (300, 27486), (307, 27507), (353, 27615), (354, 27618), (359, 27633), (374, 27672), (390, 27720), (394, 27732), (395, 27738), (413, 27786), (416, 27795), (424, 27816), (430, 27834), (447, 27882), (478, 27984), (499, 28056), (510, 28101), (512, 28113), (522, 28248), (523, 28254), (524, 28278), (525, 28350), (527, 28377), (593, 28626),

Gene: Wee_17 Start: 15380, Stop: 17089, Start Num: 83

Candidate Starts for Wee_17:

(Start: 83 @15380 has 222 MA's), (134, 15467), (Start: 158 @15512 has 2 MA's), (165, 15536), (199, 15641), (201, 15647), (206, 15665), (215, 15695), (254, 15800), (276, 15860), (284, 15881), (287, 15890), (294, 15914), (346, 16040), (350, 16055), (353, 16061), (367, 16097), (368, 16100), (373, 16112), (374, 16118), (390, 16166), (394, 16178), (395, 16184), (423, 16244), (427, 16256), (443, 16292), (445, 16304), (469, 16379), (471, 16388), (478, 16406), (479, 16412), (487, 16442), (529, 16547), (532, 16556), (533, 16559), (543, 16595), (562, 16673), (585, 16772), (592, 16793), (600, 16826), (609, 16856), (616, 16886), (619, 16895), (621, 16901), (631, 16916), (632, 16919), (638, 16943), (648, 16973), (652, 16985), (657, 17015), (667, 17057),

Gene: Weirido19_19 Start: 16080, Stop: 17819, Start Num: 59

Candidate Starts for Weirido19_19:

(47, 16044), (59, 16080), (68, 16101), (70, 16104), (107, 16164), (110, 16170), (114, 16176), (126, 16200), (138, 16233), (173, 16326), (185, 16347), (215, 16446), (263, 16581), (266, 16587), (271, 16602), (281, 16626), (294, 16668), (350, 16758), (354, 16767), (381, 16839), (385, 16851), (386, 16854), (390, 16869), (403, 16920), (422, 16965), (433, 16995), (457, 17076), (488, 17163), (534, 17319), (536, 17325), (594, 17532), (620, 17616), (630, 17637), (634, 17655), (649, 17703), (662, 17763),

Gene: WelcomeAyanna_18 Start: 17806, Stop: 19404, Start Num: 99

Candidate Starts for WelcomeAyanna_18:

(26, 17509), (28, 17584), (30, 17605), (46, 17689), (Start: 99 @17806 has 65 MA's), (214, 18064), (220, 18082), (221, 18085), (246, 18139), (291, 18283), (297, 18304), (314, 18355), (333, 18391), (334, 18394), (381, 18427), (397, 18484), (461, 18661), (473, 18685), (484, 18721), (512, 18823), (534, 18880), (562, 18970), (624, 19210), (645, 19288),

Gene: Whack_18 Start: 17086, Stop: 18663, Start Num: 92

Candidate Starts for Whack_18:

(Start: 92 @17086 has 11 MA's), (156, 17212), (165, 17242), (260, 17488), (266, 17503), (292, 17578), (350, 17668), (351, 17671), (353, 17674), (374, 17734), (444, 17914), (499, 18070), (532, 18172), (535, 18184), (540, 18193), (570, 18286), (581, 18331), (585, 18352), (611, 18439), (662, 18616), (665, 18628), (669, 18646),

Gene: Whatsapiecost_16 Start: 14856, Stop: 16565, Start Num: 83

Candidate Starts for Whatsapiecost_16:

(Start: 83 @14856 has 222 MA's), (134, 14943), (Start: 158 @14988 has 2 MA's), (165, 15012), (199, 15117), (201, 15123), (206, 15141), (215, 15171), (254, 15276), (276, 15336), (284, 15357), (287, 15366), (294, 15390), (346, 15516), (350, 15531), (353, 15537), (367, 15573), (368, 15576), (373, 15588), (374, 15594), (390, 15642), (394, 15654), (395, 15660), (423, 15720), (427, 15732), (443, 15768), (445, 15780), (469, 15855), (471, 15864), (478, 15882), (479, 15888), (487, 15918), (529, 16023), (532, 16032), (533, 16035), (543, 16071), (562, 16149), (585, 16248), (592, 16269), (600, 16302), (609, 16332), (616, 16362), (619, 16371), (621, 16377), (631, 16392), (632, 16395), (638, 16419), (648, 16449), (652, 16461), (657, 16491), (667, 16533),

Gene: Wheezy_41 Start: 29808, Stop: 31421, Start Num: 91

Candidate Starts for Wheezy_41:

(Start: 91 @29808 has 39 MA's), (Start: 117 @29844 has 1 MA's), (124, 29862), (153, 29922), (246, 30162), (249, 30174), (253, 30189), (278, 30255), (283, 30270), (292, 30294), (293, 30297), (327, 30381), (340, 30411), (342, 30414), (374, 30471), (390, 30519), (391, 30522), (396, 30543), (438, 30648), (451, 30693), (463, 30735), (517, 30909), (533, 30939), (534, 30945), (572, 31053), (573, 31056), (592, 31131), (657, 31350), (673, 31407),

Gene: Whiteclaw_17 Start: 14758, Stop: 16467, Start Num: 100

Candidate Starts for Whiteclaw_17:

(Start: 100 @14758 has 33 MA's), (157, 14875), (205, 15025), (220, 15064), (225, 15079), (253, 15148), (257, 15160), (283, 15238), (284, 15241), (333, 15373), (352, 15427), (380, 15508), (397, 15568), (398, 15574), (400, 15580), (442, 15661), (451, 15697), (463, 15733), (473, 15751), (485, 15790), (508, 15862), (512, 15886), (583, 16120), (587, 16135), (598, 16177), (623, 16270), (624, 16273), (637, 16321), (645, 16351),

Gene: WhoseManz_43 Start: 27503, Stop: 29119, Start Num: 91

Candidate Starts for WhoseManz_43:

(Start: 91 @27503 has 39 MA's), (Start: 99 @27515 has 65 MA's), (Start: 117 @27539 has 1 MA's), (153, 27617), (220, 27800), (246, 27857), (249, 27869), (253, 27884), (278, 27950), (283, 27965), (292, 27989), (327, 28076), (329, 28082), (340, 28106), (374, 28166), (385, 28196), (391, 28217), (428, 28322), (438, 28343), (463, 28430), (483, 28478), (517, 28604), (534, 28640), (585, 28805), (591, 28823), (600, 28859), (655, 29033), (657, 29045), (673, 29102),

Gene: Whouxphf_16 Start: 14910, Stop: 16619, Start Num: 83

Candidate Starts for Whouxphf_16:

(Start: 83 @14910 has 222 MA's), (134, 14997), (143, 15018), (Start: 158 @15042 has 2 MA's), (165, 15066), (199, 15171), (201, 15177), (206, 15195), (215, 15225), (254, 15330), (276, 15390), (284, 15411), (287, 15420), (294, 15444), (305, 15480), (307, 15486), (311, 15498), (319, 15519), (331, 15552), (346, 15570), (350, 15585), (353, 15591), (367, 15627), (373, 15642), (374, 15648), (390, 15696), (394, 15708), (395, 15714), (423, 15774), (443, 15822), (445, 15834), (451, 15855), (469, 15909), (471, 15918), (478, 15936), (479, 15942), (487, 15972), (529, 16077), (533, 16089), (543, 16125), (562, 16203), (585, 16302), (592, 16323), (600, 16356), (609, 16386), (616, 16416), (618, 16422), (619, 16425), (621, 16431), (631, 16446), (632, 16449), (637, 16470), (638, 16473), (652, 16515), (667, 16587),

Gene: Widow_18 Start: 15130, Stop: 16746, Start Num: 85

Candidate Starts for Widow_18:

(Start: 85 @15130 has 14 MA's), (136, 15226), (201, 15394), (205, 15406), (227, 15457), (272, 15580), (325, 15697), (370, 15775), (394, 15850), (403, 15883), (444, 15976), (448, 15997), (485, 16114), (499, 16156), (502, 16174), (507, 16186), (508, 16189), (550, 16294), (551, 16300), (557, 16315), (570, 16372), (635, 16591), (661, 16690),

Gene: Wiggin_27 Start: 20250, Stop: 21929, Start Num: 87

Candidate Starts for Wiggin_27:

(Start: 87 @20250 has 85 MA's), (Start: 132 @20334 has 48 MA's), (Start: 167 @20412 has 1 MA's), (195, 20499), (201, 20514), (215, 20562), (229, 20601), (261, 20688), (274, 20721), (287, 20757), (295, 20787), (297, 20793), (321, 20862), (348, 20892), (351, 20904), (353, 20907), (374, 20964), (424, 21096), (426, 21102), (449, 21168), (451, 21174), (456, 21198), (471, 21246), (479, 21270), (481, 21279), (502, 21354), (532, 21405), (536, 21420), (578, 21582), (583, 21609), (592, 21639), (620, 21744), (650, 21822), (657, 21858), (660, 21867), (667, 21900), (673, 21915),

Gene: Wildflower_56 Start: 33020, Stop: 34765, Start Num: 63

Candidate Starts for Wildflower_56:

(Start: 63 @33020 has 2 MA's), (Start: 67 @33029 has 29 MA's), (122, 33119), (170, 33236), (184, 33272), (191, 33293), (199, 33320), (201, 33326), (210, 33356), (217, 33380), (236, 33431), (287, 33569), (289, 33575), (304, 33626), (305, 33629), (311, 33647), (346, 33698), (353, 33719), (354, 33722), (367, 33755), (373, 33770), (374, 33776), (390, 33824), (392, 33830), (394, 33836), (415, 33896), (423, 33920), (424, 33923), (443, 33968), (446, 33983), (448, 33992), (451, 34001), (464, 34046), (471, 34064), (481, 34097), (533, 34235), (538, 34256), (557, 34322), (563, 34352), (576, 34406), (585, 34448), (592, 34469), (596, 34490), (600, 34502), (606, 34523), (621, 34577), (650, 34655), (657, 34691), (662, 34712), (668, 34739),

Gene: WillSterrel_17 Start: 16164, Stop: 17873, Start Num: 83

Candidate Starts for WillSterrel_17:

(Start: 83 @16164 has 222 MA's), (134, 16251), (Start: 158 @16296 has 2 MA's), (165, 16320), (199, 16425), (201, 16431), (206, 16449), (215, 16479), (254, 16584), (276, 16644), (284, 16665), (287, 16674), (294, 16698), (305, 16734), (307, 16740), (319, 16773), (320, 16776), (322, 16785), (328, 16800), (331, 16806), (346, 16824), (350, 16839), (353, 16845), (359, 16863), (360, 16866), (367, 16881), (373, 16896), (374, 16902), (390, 16950), (394, 16962), (395, 16968), (423, 17028), (427, 17040), (443, 17076), (445, 17088), (469, 17163), (471, 17172), (478, 17190), (479, 17196), (487, 17226), (529, 17331), (533, 17343), (543, 17379), (562, 17457), (592, 17577), (600, 17610), (609, 17640), (611, 17652), (616, 17670), (618, 17676), (619, 17679), (621, 17685), (631, 17700), (632, 17703), (637, 17724), (638, 17727), (652, 17769), (657, 17799), (667, 17841), (668, 17847),

Gene: Willez_23 Start: 19334, Stop: 20929, Start Num: 132

Candidate Starts for Willez_23:

(Start: 87 @19250 has 85 MA's), (Start: 132 @19334 has 48 MA's), (Start: 167 @19412 has 1 MA's), (195, 19499), (201, 19514), (215, 19562), (229, 19601), (261, 19688), (274, 19721), (287, 19757),

(295, 19787), (297, 19793), (321, 19862), (348, 19892), (351, 19904), (353, 19907), (374, 19964), (424, 20096), (426, 20102), (449, 20168), (451, 20174), (456, 20198), (471, 20246), (479, 20270), (481, 20279), (502, 20354), (532, 20405), (536, 20420), (578, 20582), (583, 20609), (592, 20639), (620, 20744), (650, 20822), (657, 20858), (660, 20867), (667, 20900), (673, 20915),

Gene: William_19 Start: 16689, Stop: 18338, Start Num: 93

Candidate Starts for William_19:

(1, 15642), (2, 15687), (3, 15711), (4, 15717), (5, 15825), (6, 15873), (8, 15945), (10, 16020), (14, 16158), (15, 16188), (16, 16194), (20, 16326), (23, 16383), (25, 16392), (39, 16551), (71, 16653), (Start: 93 @16689 has 51 MA's), (144, 16794), (173, 16872), (200, 16932), (204, 16944), (205, 16947), (219, 16971), (249, 17046), (283, 17145), (288, 17160), (331, 17244), (347, 17256), (350, 17265), (351, 17268), (358, 17289), (374, 17331), (385, 17361), (451, 17544), (456, 17568), (475, 17619), (502, 17712), (507, 17724), (520, 17784), (560, 17919), (582, 18012), (583, 18018), (588, 18036), (601, 18087), (622, 18147), (624, 18153), (648, 18228),

Gene: WilliamBoone_48 Start: 28921, Stop: 30612, Start Num: 74

Candidate Starts for WilliamBoone_48:

(Start: 74 @28921 has 17 MA's), (110, 28981), (129, 29014), (139, 29047), (142, 29056), (173, 29137), (181, 29143), (204, 29215), (253, 29338), (255, 29344), (272, 29392), (294, 29455), (374, 29605), (376, 29611), (385, 29635), (433, 29764), (443, 29785), (474, 29905), (502, 30016), (513, 30058), (545, 30130), (560, 30169), (583, 30268), (586, 30280), (589, 30289), (614, 30373), (666, 30556),

Gene: Willsammy_19 Start: 16277, Stop: 18013, Start Num: 80

Candidate Starts for Willsammy_19:

(Start: 65 @16253 has 2 MA's), (Start: 80 @16277 has 48 MA's), (115, 16337), (125, 16358), (127, 16361), (176, 16481), (190, 16520), (200, 16553), (207, 16577), (250, 16697), (261, 16736), (263, 16742), (292, 16826), (294, 16832), (297, 16844), (305, 16868), (315, 16895), (321, 16913), (337, 16952), (346, 16958), (354, 16982), (374, 17036), (379, 17048), (382, 17057), (398, 17117), (430, 17195), (445, 17234), (453, 17267), (471, 17333), (477, 17348), (479, 17357), (485, 17381), (495, 17411), (499, 17423), (540, 17525), (546, 17537), (547, 17540), (548, 17546), (549, 17555), (576, 17663), (596, 17747), (625, 17846), (660, 17954), (673, 18002),

Gene: Winget_57 Start: 33735, Stop: 35471, Start Num: 67

Candidate Starts for Winget_57:

(Start: 63 @33726 has 2 MA's), (Start: 67 @33735 has 29 MA's), (122, 33825), (170, 33942), (184, 33978), (191, 33999), (199, 34026), (201, 34032), (210, 34062), (217, 34086), (236, 34137), (287, 34275), (289, 34281), (304, 34332), (305, 34335), (311, 34353), (346, 34404), (353, 34425), (354, 34428), (373, 34476), (374, 34482), (390, 34530), (392, 34536), (394, 34542), (415, 34602), (423, 34626), (424, 34629), (443, 34674), (446, 34689), (448, 34698), (451, 34707), (464, 34752), (471, 34770), (481, 34803), (533, 34941), (538, 34962), (557, 35028), (563, 35058), (576, 35112), (585, 35154), (592, 35175), (596, 35196), (600, 35208), (606, 35229), (621, 35283), (650, 35361), (657, 35397), (662, 35418), (668, 35445),

Gene: WinkNick_20 Start: 17322, Stop: 18902, Start Num: 99

Candidate Starts for WinkNick_20:

(46, 17205), (Start: 99 @17322 has 65 MA's), (214, 17580), (221, 17601), (246, 17655), (257, 17694), (275, 17751), (283, 17772), (381, 17943), (387, 17961), (394, 17985), (398, 18006), (423, 18048), (451, 18129), (484, 18219), (499, 18264), (512, 18321), (513, 18324), (534, 18378), (562, 18468), (635, 18747), (637, 18756), (645, 18786),

Gene: Wisp_18 Start: 16363, Stop: 18009, Start Num: 93

Candidate Starts for Wisp_18:

(71, 16327), (Start: 93 @16363 has 51 MA's), (144, 16465), (173, 16543), (Start: 179 @16546 has 11 MA's), (219, 16642), (233, 16681), (255, 16741), (262, 16762), (283, 16816), (288, 16831), (374, 17002), (385, 17032), (451, 17215), (456, 17239), (475, 17290), (502, 17383), (507, 17395), (516, 17440), (520, 17455), (559, 17587), (560, 17590), (583, 17689), (588, 17707), (601, 17758), (624, 17824), (643, 17887), (648, 17899),

Gene: Wocket_20 Start: 16837, Stop: 18483, Start Num: 93

Candidate Starts for Wocket_20:

(71, 16801), (Start: 93 @16837 has 51 MA's), (144, 16939), (173, 17017), (219, 17116), (233, 17155), (251, 17200), (262, 17236), (283, 17290), (288, 17305), (298, 17338), (331, 17389), (374, 17476), (385, 17506), (451, 17689), (456, 17713), (502, 17857), (507, 17869), (520, 17929), (559, 18061), (560, 18064), (583, 18163), (588, 18181), (601, 18232), (622, 18292), (624, 18298), (643, 18361), (648, 18373),

Gene: Wogge42_55 Start: 33176, Stop: 34912, Start Num: 67

Candidate Starts for Wogge42_55:

(Start: 63 @33167 has 2 MA's), (Start: 67 @33176 has 29 MA's), (122, 33266), (170, 33383), (184, 33419), (191, 33440), (199, 33467), (201, 33473), (210, 33503), (217, 33527), (236, 33578), (287, 33716), (289, 33722), (304, 33773), (305, 33776), (311, 33794), (346, 33845), (353, 33866), (354, 33869), (373, 33917), (374, 33923), (390, 33971), (392, 33977), (394, 33983), (415, 34043), (423, 34067), (424, 34070), (443, 34115), (446, 34130), (448, 34139), (451, 34148), (464, 34193), (471, 34211), (481, 34244), (533, 34382), (538, 34403), (557, 34469), (563, 34499), (576, 34553), (585, 34595), (592, 34616), (596, 34637), (600, 34649), (606, 34670), (621, 34724), (650, 34802), (657, 34838), (662, 34859), (668, 34886),

Gene: Wrigley_20 Start: 17427, Stop: 19133, Start Num: 51

Candidate Starts for Wrigley_20:

(Start: 44 @17403 has 1 MA's), (Start: 51 @17427 has 25 MA's), (103, 17532), (124, 17574), (169, 17649), (220, 17763), (271, 17910), (274, 17916), (363, 18099), (391, 18174), (484, 18456), (491, 18477), (511, 18552), (541, 18639), (555, 18675), (561, 18708), (563, 18714), (579, 18780), (586, 18810), (631, 18966), (633, 18972), (637, 18990), (665, 19101),

Gene: XFactor_16 Start: 14812, Stop: 16521, Start Num: 83

Candidate Starts for XFactor_16:

(Start: 83 @14812 has 222 MA's), (134, 14899), (Start: 158 @14944 has 2 MA's), (165, 14968), (199, 15073), (201, 15079), (206, 15097), (215, 15127), (254, 15232), (276, 15292), (284, 15313), (287, 15322), (294, 15346), (346, 15472), (350, 15487), (353, 15493), (367, 15529), (368, 15532), (373, 15544), (374, 15550), (390, 15598), (394, 15610), (395, 15616), (423, 15676), (427, 15688), (443, 15724), (445, 15736), (469, 15811), (471, 15820), (478, 15838), (479, 15844), (487, 15874), (529, 15979), (533, 15991), (543, 16027), (562, 16105), (585, 16204), (592, 16225), (600, 16258), (609, 16288), (616, 16318), (619, 16327), (621, 16333), (631, 16348), (632, 16351), (638, 16375), (648, 16405), (652, 16417), (657, 16447), (667, 16489),

Gene: Xandras_26 Start: 19820, Stop: 21415, Start Num: 132

Candidate Starts for Xandras_26:

(Start: 87 @19736 has 85 MA's), (Start: 132 @19820 has 48 MA's), (Start: 167 @19898 has 1 MA's), (195, 19985), (201, 20000), (215, 20048), (229, 20087), (261, 20174), (274, 20207), (287, 20243), (295, 20273), (297, 20279), (321, 20348), (348, 20378), (351, 20390), (353, 20393), (374, 20450), (424, 20582), (426, 20588), (449, 20654), (451, 20660), (456, 20684), (471, 20732), (479, 20756), (481, 20765), (502, 20840), (532, 20891), (536, 20906), (578, 21068), (583, 21095), (592, 21125), (620, 21230), (650, 21308), (657, 21344), (660, 21353), (667, 21386), (673, 21401),

Gene: Xavia_19 Start: 16389, Stop: 18125, Start Num: 80

Candidate Starts for Xavia_19:

(Start: 65 @16365 has 2 MA's), (Start: 80 @16389 has 48 MA's), (115, 16449), (125, 16470), (127, 16473), (173, 16587), (176, 16593), (190, 16632), (200, 16665), (207, 16689), (250, 16809), (261, 16848), (263, 16854), (292, 16938), (294, 16944), (297, 16956), (305, 16980), (321, 17025), (337, 17064), (346, 17070), (354, 17094), (374, 17148), (379, 17160), (382, 17169), (398, 17229), (430, 17307), (445, 17346), (453, 17379), (471, 17445), (477, 17460), (479, 17469), (485, 17493), (495, 17523), (499, 17535), (540, 17637), (546, 17649), (547, 17652), (548, 17658), (549, 17667), (576, 17775), (596, 17859), (625, 17958), (660, 18066), (673, 18114),

Gene: Xeno_18 Start: 14986, Stop: 16695, Start Num: 86

Candidate Starts for Xeno_18:

(Start: 86 @14986 has 47 MA's), (104, 15013), (Start: 158 @15118 has 2 MA's), (161, 15130), (171, 15166), (190, 15217), (199, 15247), (201, 15253), (209, 15280), (211, 15286), (254, 15406), (273, 15460), (276, 15466), (283, 15484), (287, 15496), (288, 15499), (294, 15520), (307, 15562), (319, 15595), (346, 15646), (350, 15661), (367, 15703), (373, 15718), (374, 15724), (390, 15772), (396, 15796), (406, 15826), (423, 15850), (445, 15910), (448, 15922), (464, 15976), (469, 15985), (486, 16045), (487, 16048), (529, 16153), (532, 16162), (543, 16201), (577, 16339), (615, 16489), (616, 16492), (619, 16501), (631, 16522), (638, 16549), (650, 16585), (673, 16678),

Gene: Xerxes_18 Start: 14986, Stop: 16695, Start Num: 86

Candidate Starts for Xerxes_18:

(Start: 86 @14986 has 47 MA's), (104, 15013), (Start: 158 @15118 has 2 MA's), (161, 15130), (171, 15166), (190, 15217), (199, 15247), (201, 15253), (209, 15280), (211, 15286), (254, 15406), (273, 15460), (276, 15466), (283, 15484), (287, 15496), (288, 15499), (294, 15520), (307, 15562), (319, 15595), (346, 15646), (350, 15661), (367, 15703), (373, 15718), (374, 15724), (390, 15772), (396, 15796), (406, 15826), (423, 15850), (445, 15910), (448, 15922), (464, 15976), (469, 15985), (486, 16045), (487, 16048), (529, 16153), (532, 16162), (543, 16201), (577, 16339), (615, 16489), (616, 16492), (619, 16501), (631, 16522), (638, 16549), (650, 16585), (673, 16678),

Gene: Xula_18 Start: 16123, Stop: 17856, Start Num: 89

Candidate Starts for Xula_18:

(Start: 89 @16123 has 6 MA's), (141, 16222), (146, 16231), (171, 16297), (182, 16321), (200, 16381), (201, 16384), (209, 16411), (273, 16591), (283, 16615), (287, 16627), (294, 16651), (346, 16777), (350, 16792), (354, 16801), (368, 16837), (374, 16855), (464, 17107), (469, 17116), (479, 17149), (532, 17293), (546, 17338), (570, 17440), (572, 17449), (576, 17467), (577, 17470), (601, 17569), (616, 17629), (622, 17647), (631, 17683), (635, 17698), (650, 17746), (665, 17815),

Gene: Yarn_17 Start: 15391, Stop: 17088, Start Num: 77

Candidate Starts for Yarn_17:

(Start: 73 @15388 has 9 MA's), (Start: 77 @15391 has 39 MA's), (135, 15493), (138, 15505), (178, 15601), (206, 15685), (243, 15775), (261, 15835), (271, 15862), (283, 15892), (284, 15895), (307, 15964), (345, 15997), (349, 16009), (350, 16012), (356, 16033), (358, 16036), (381, 16102), (385, 16114), (443, 16279), (485, 16429), (490, 16444), (497, 16462), (511, 16519), (561, 16660), (563, 16666), (566, 16678), (569, 16687), (585, 16759), (586, 16762), (588, 16768), (592, 16780), (620, 16885), (623, 16894), (633, 16927),

Gene: YassJohnny_25 Start: 20345, Stop: 21940, Start Num: 132

Candidate Starts for YassJohnny_25:

(Start: 87 @20261 has 85 MA's), (Start: 132 @20345 has 48 MA's), (Start: 167 @20423 has 1 MA's), (195, 20510), (201, 20525), (215, 20573), (229, 20612), (261, 20699), (274, 20732), (287, 20768), (295, 20798), (297, 20804), (321, 20873), (348, 20903), (351, 20915), (353, 20918), (374, 20975), (424, 21107), (426, 21113), (449, 21179), (451, 21185), (456, 21209), (471, 21257), (479, 21281), (481, 21290), (502, 21365), (532, 21416), (536, 21431), (578, 21593), (583, 21620), (592, 21650),

(620, 21755), (650, 21833), (657, 21869), (660, 21878), (667, 21911), (673, 21926),

Gene: Yeet412_17 Start: 14751, Stop: 16460, Start Num: 100

Candidate Starts for Yeet412_17:

(41, 14616), (Start: 100 @14751 has 33 MA's), (181, 14940), (182, 14943), (205, 15018), (225, 15072), (253, 15141), (257, 15153), (283, 15231), (284, 15234), (333, 15366), (352, 15420), (369, 15471), (380, 15501), (397, 15561), (400, 15573), (423, 15609), (463, 15726), (473, 15744), (485, 15783), (512, 15879), (554, 15987), (623, 16263), (624, 16266), (637, 16314), (645, 16344),

Gene: Yeezy_20 Start: 17119, Stop: 18717, Start Num: 99

Candidate Starts for Yeezy_20:

(Start: 99 @17119 has 65 MA's), (214, 17377), (220, 17395), (221, 17398), (246, 17452), (269, 17527), (291, 17596), (294, 17605), (297, 17617), (301, 17629), (314, 17668), (328, 17695), (333, 17704), (334, 17707), (381, 17740), (397, 17797), (423, 17863), (461, 17974), (484, 18034), (512, 18136), (534, 18193), (562, 18283), (624, 18523), (645, 18601),

Gene: Yinzer_17 Start: 14758, Stop: 16467, Start Num: 100

Candidate Starts for Yinzer_17:

(Start: 100 @14758 has 33 MA's), (157, 14875), (205, 15025), (220, 15064), (225, 15079), (253, 15148), (257, 15160), (283, 15238), (284, 15241), (333, 15373), (352, 15427), (380, 15508), (397, 15568), (398, 15574), (400, 15580), (442, 15661), (451, 15697), (463, 15733), (473, 15751), (485, 15790), (508, 15862), (512, 15886), (583, 16120), (587, 16135), (598, 16177), (623, 16270), (624, 16273), (637, 16321), (645, 16351),

Gene: Yndexa_43 Start: 29457, Stop: 31073, Start Num: 91

Candidate Starts for Yndexa_43:

(Start: 91 @29457 has 39 MA's), (Start: 98 @29466 has 1 MA's), (Start: 99 @29469 has 65 MA's), (Start: 117 @29493 has 1 MA's), (153, 29571), (220, 29754), (246, 29811), (249, 29823), (253, 29838), (278, 29904), (283, 29919), (292, 29943), (327, 30030), (329, 30036), (340, 30060), (374, 30120), (385, 30150), (391, 30171), (428, 30276), (438, 30297), (463, 30384), (483, 30432), (517, 30558), (534, 30594), (585, 30759), (591, 30777), (600, 30813), (655, 30987), (657, 30999), (673, 31056),

Gene: Yorick_16 Start: 14811, Stop: 16520, Start Num: 83

Candidate Starts for Yorick_16:

(Start: 83 @14811 has 222 MA's), (134, 14898), (Start: 158 @14943 has 2 MA's), (165, 14967), (199, 15072), (201, 15078), (206, 15096), (215, 15126), (254, 15231), (273, 15285), (276, 15291), (279, 15300), (287, 15321), (294, 15345), (305, 15381), (307, 15387), (319, 15420), (320, 15423), (322, 15432), (328, 15447), (331, 15453), (346, 15471), (350, 15486), (353, 15492), (359, 15510), (360, 15513), (367, 15528), (373, 15543), (374, 15549), (390, 15597), (394, 15609), (395, 15615), (423, 15675), (427, 15687), (443, 15723), (445, 15735), (469, 15810), (471, 15819), (478, 15837), (479, 15843), (487, 15873), (529, 15978), (533, 15990), (543, 16026), (562, 16104), (592, 16224), (600, 16257), (609, 16287), (611, 16299), (616, 16317), (618, 16323), (619, 16326), (621, 16332), (631, 16347), (632, 16350), (637, 16371), (638, 16374), (652, 16416), (657, 16446), (667, 16488), (668, 16494),

Gene: Youngblood_24 Start: 19998, Stop: 21593, Start Num: 132

Candidate Starts for Youngblood_24:

(Start: 87 @19914 has 85 MA's), (Start: 132 @19998 has 48 MA's), (Start: 167 @20076 has 1 MA's), (195, 20163), (201, 20178), (215, 20226), (229, 20265), (261, 20352), (274, 20385), (287, 20421), (295, 20451), (297, 20457), (321, 20526), (348, 20556), (351, 20568), (353, 20571), (374, 20628), (424, 20760), (426, 20766), (449, 20832), (451, 20838), (456, 20862), (471, 20910), (479, 20934), (481, 20943), (502, 21018), (532, 21069), (536, 21084), (578, 21246), (583, 21273), (592, 21303), (620, 21408), (650, 21486), (657, 21522), (660, 21531), (667, 21564), (673, 21579),

Gene: YoyoKar_54 Start: 33019, Stop: 34755, Start Num: 67

Candidate Starts for YoyoKar_54:

(Start: 63 @33010 has 2 MA's), (Start: 67 @33019 has 29 MA's), (122, 33109), (170, 33226), (184, 33262), (191, 33283), (199, 33310), (201, 33316), (217, 33370), (236, 33421), (287, 33559), (289, 33565), (304, 33616), (305, 33619), (311, 33637), (346, 33688), (353, 33709), (354, 33712), (373, 33760), (374, 33766), (390, 33814), (392, 33820), (394, 33826), (415, 33886), (423, 33910), (424, 33913), (443, 33958), (446, 33973), (448, 33982), (451, 33991), (464, 34036), (471, 34054), (481, 34087), (533, 34225), (538, 34246), (557, 34312), (563, 34342), (576, 34396), (585, 34438), (592, 34459), (596, 34480), (600, 34492), (606, 34513), (621, 34567), (650, 34645), (657, 34681), (662, 34702), (668, 34729),

Gene: Yucky_18 Start: 16290, Stop: 17984, Start Num: 77

Candidate Starts for Yucky_18:

(Start: 73 @16287 has 9 MA's), (Start: 77 @16290 has 39 MA's), (135, 16389), (154, 16431), (243, 16671), (271, 16758), (280, 16779), (283, 16788), (291, 16815), (307, 16860), (345, 16893), (350, 16908), (358, 16932), (370, 16965), (381, 16998), (385, 17010), (401, 17067), (412, 17097), (422, 17115), (432, 17145), (443, 17175), (458, 17238), (475, 17289), (485, 17325), (490, 17340), (497, 17358), (511, 17415), (513, 17424), (559, 17544), (561, 17556), (574, 17604), (585, 17655), (586, 17658), (592, 17676), (612, 17754), (620, 17781), (633, 17823), (669, 17970), (673, 17976),

Gene: Yummy_19 Start: 15276, Stop: 16973, Start Num: 77

Candidate Starts for Yummy_19:

(61, 15246), (Start: 73 @15273 has 9 MA's), (Start: 77 @15276 has 39 MA's), (178, 15486), (238, 15654), (243, 15660), (280, 15768), (291, 15804), (300, 15834), (307, 15849), (345, 15882), (349, 15894), (361, 15930), (381, 15987), (385, 15999), (427, 16119), (437, 16140), (443, 16164), (485, 16314), (490, 16329), (497, 16347), (511, 16404), (559, 16533), (561, 16545), (566, 16563), (569, 16572), (585, 16644), (586, 16647), (588, 16653), (592, 16665), (620, 16770), (623, 16779), (633, 16812), (664, 16938),

Gene: YungJamal_61 Start: 34927, Stop: 36663, Start Num: 67

Candidate Starts for YungJamal_61:

(Start: 63 @34918 has 2 MA's), (Start: 67 @34927 has 29 MA's), (122, 35017), (170, 35134), (184, 35170), (191, 35191), (199, 35218), (201, 35224), (210, 35254), (217, 35278), (236, 35329), (287, 35467), (289, 35473), (304, 35524), (305, 35527), (311, 35545), (346, 35596), (353, 35617), (354, 35620), (373, 35668), (374, 35674), (390, 35722), (392, 35728), (394, 35734), (415, 35794), (423, 35818), (424, 35821), (443, 35866), (446, 35881), (448, 35890), (451, 35899), (464, 35944), (471, 35962), (481, 35995), (533, 36133), (538, 36154), (557, 36220), (563, 36250), (576, 36304), (585, 36346), (592, 36367), (596, 36388), (600, 36400), (606, 36421), (621, 36475), (650, 36553), (657, 36589), (662, 36610), (668, 36637),

Gene: Yvonnetastic_45 Start: 30515, Stop: 32209, Start Num: 69

Candidate Starts for Yvonnetastic_45:

(Start: 69 @30515 has 2 MA's), (110, 30581), (114, 30587), (139, 30644), (201, 30803), (205, 30815), (255, 30941), (272, 30989), (350, 31139), (371, 31190), (374, 31202), (376, 31208), (427, 31349), (433, 31364), (480, 31523), (509, 31631), (558, 31760), (560, 31766), (561, 31775), (578, 31838), (586, 31877), (589, 31886), (601, 31934), (630, 32009), (647, 32069), (658, 32117), (664, 32144), (666, 32153), (667, 32156),

Gene: Zakhe101_56 Start: 33573, Stop: 35309, Start Num: 67

Candidate Starts for Zakhe101_56:

(Start: 63 @33564 has 2 MA's), (Start: 67 @33573 has 29 MA's), (122, 33663), (170, 33780), (184, 33816), (191, 33837), (199, 33864), (201, 33870), (210, 33900), (217, 33924), (236, 33975), (287,

34113), (289, 34119), (304, 34170), (305, 34173), (311, 34191), (346, 34242), (353, 34263), (354, 34266), (367, 34299), (373, 34314), (374, 34320), (390, 34368), (392, 34374), (394, 34380), (415, 34440), (423, 34464), (424, 34467), (443, 34512), (446, 34527), (448, 34536), (451, 34545), (464, 34590), (471, 34608), (481, 34641), (533, 34779), (538, 34800), (557, 34866), (563, 34896), (576, 34950), (585, 34992), (592, 35013), (596, 35034), (600, 35046), (606, 35067), (621, 35121), (650, 35199), (657, 35235), (662, 35256), (668, 35283),

Gene: Zameen_19 Start: 17773, Stop: 19371, Start Num: 99

Candidate Starts for Zameen_19:

(Start: 99 @17773 has 65 MA's), (208, 18022), (214, 18031), (220, 18049), (221, 18052), (246, 18106), (269, 18181), (291, 18250), (294, 18259), (297, 18271), (314, 18322), (328, 18349), (333, 18358), (334, 18361), (380, 18391), (381, 18394), (397, 18451), (423, 18517), (450, 18595), (461, 18628), (473, 18652), (484, 18688), (512, 18790), (534, 18847), (551, 18892), (554, 18898), (562, 18937), (624, 19177), (645, 19255),

Gene: Zarbodnamra_19 Start: 16649, Stop: 18295, Start Num: 93

Candidate Starts for Zarbodnamra_19:

(71, 16613), (Start: 93 @16649 has 51 MA's), (144, 16751), (171, 16823), (173, 16829), (Start: 179 @16832 has 11 MA's), (219, 16928), (233, 16967), (255, 17027), (262, 17048), (283, 17102), (288, 17117), (374, 17288), (385, 17318), (451, 17501), (456, 17525), (475, 17576), (502, 17669), (507, 17681), (516, 17726), (520, 17741), (559, 17873), (560, 17876), (583, 17975), (588, 17993), (601, 18044), (622, 18104), (624, 18110), (643, 18173), (648, 18185),

Gene: Zebo_56 Start: 33478, Stop: 35214, Start Num: 67

Candidate Starts for Zebo_56:

(Start: 63 @33469 has 2 MA's), (Start: 67 @33478 has 29 MA's), (122, 33568), (170, 33685), (184, 33721), (191, 33742), (199, 33769), (201, 33775), (217, 33829), (236, 33880), (287, 34018), (289, 34024), (304, 34075), (305, 34078), (311, 34096), (346, 34147), (353, 34168), (354, 34171), (373, 34219), (374, 34225), (390, 34273), (392, 34279), (394, 34285), (415, 34345), (423, 34369), (424, 34372), (443, 34417), (446, 34432), (448, 34441), (451, 34450), (464, 34495), (471, 34513), (481, 34546), (533, 34684), (538, 34705), (557, 34771), (563, 34801), (576, 34855), (585, 34897), (592, 34918), (596, 34939), (600, 34951), (606, 34972), (621, 35026), (650, 35104), (657, 35140), (662, 35161), (668, 35188),

Gene: Zelink_38 Start: 28415, Stop: 30413, Start Num: 84

Candidate Starts for Zelink_38:

(Start: 84 @28415 has 30 MA's), (Start: 132 @28505 has 48 MA's), (155, 28553), (165, 28583), (173, 28610), (207, 28712), (216, 28742), (252, 28841), (263, 28877), (265, 28883), (274, 28904), (297, 28976), (300, 28985), (307, 29006), (353, 29114), (354, 29117), (359, 29132), (374, 29171), (390, 29219), (394, 29231), (395, 29237), (416, 29294), (424, 29315), (430, 29333), (447, 29381), (478, 29483), (499, 29555), (510, 29600), (512, 29612), (522, 29747), (523, 29753), (524, 29777), (525, 29849), (527, 29876), (593, 30125),

Gene: Zerg_16 Start: 14774, Stop: 16483, Start Num: 83

Candidate Starts for Zerg_16:

(Start: 83 @14774 has 222 MA's), (134, 14861), (165, 14930), (170, 14951), (184, 14987), (199, 15035), (201, 15041), (206, 15059), (215, 15089), (254, 15194), (276, 15254), (279, 15263), (284, 15275), (287, 15284), (294, 15308), (319, 15383), (328, 15410), (331, 15416), (346, 15434), (350, 15449), (353, 15455), (367, 15491), (373, 15506), (374, 15512), (390, 15560), (394, 15572), (395, 15578), (423, 15638), (427, 15650), (443, 15686), (445, 15698), (469, 15773), (471, 15782), (478, 15800), (479, 15806), (487, 15836), (529, 15941), (533, 15953), (543, 15989), (562, 16067), (585, 16166), (592, 16187), (600, 16220), (609, 16250), (616, 16280), (619, 16289), (621, 16295), (631, 16310), (632, 16313), (638, 16337), (652, 16379), (657, 16409), (667, 16451),

Gene: ZiggyZoo_18 Start: 16440, Stop: 18086, Start Num: 93

Candidate Starts for ZiggyZoo_18:

(71, 16404), (Start: 93 @16440 has 51 MA's), (144, 16542), (173, 16620), (Start: 179 @16623 has 11 MA's), (219, 16719), (233, 16758), (255, 16818), (262, 16839), (283, 16893), (288, 16908), (374, 17079), (385, 17109), (451, 17292), (456, 17316), (475, 17367), (502, 17460), (507, 17472), (516, 17517), (520, 17532), (559, 17664), (560, 17667), (583, 17766), (588, 17784), (601, 17835), (624, 17901), (643, 17964), (648, 17976),

Gene: Zilizebeth_19 Start: 16385, Stop: 18121, Start Num: 80

Candidate Starts for Zilizebeth_19:

(Start: 65 @16361 has 2 MA's), (Start: 80 @16385 has 48 MA's), (115, 16445), (125, 16466), (127, 16469), (176, 16589), (190, 16628), (200, 16661), (207, 16685), (250, 16805), (261, 16844), (263, 16850), (292, 16934), (294, 16940), (297, 16952), (305, 16976), (315, 17003), (321, 17021), (337, 17060), (346, 17066), (354, 17090), (374, 17144), (379, 17156), (382, 17165), (398, 17225), (430, 17303), (445, 17342), (453, 17375), (471, 17441), (477, 17456), (479, 17465), (485, 17489), (495, 17519), (499, 17531), (540, 17633), (546, 17645), (547, 17648), (548, 17654), (549, 17663), (576, 17771), (596, 17855), (625, 17954), (660, 18062), (673, 18110),

Gene: Zilla_19 Start: 16667, Stop: 18313, Start Num: 93

Candidate Starts for Zilla_19:

(71, 16631), (Start: 93 @16667 has 51 MA's), (144, 16769), (173, 16847), (Start: 179 @16850 has 11 MA's), (219, 16946), (233, 16985), (262, 17066), (283, 17120), (288, 17135), (374, 17306), (385, 17336), (451, 17519), (456, 17543), (457, 17546), (475, 17594), (502, 17687), (507, 17699), (516, 17744), (520, 17759), (559, 17891), (560, 17894), (583, 17993), (588, 18011), (601, 18062), (624, 18128), (643, 18191), (648, 18203),

Gene: Zion_34 Start: 29327, Stop: 30925, Start Num: 97

Candidate Starts for Zion_34:

(Start: 97 @29327 has 8 MA's), (159, 29426), (183, 29495), (194, 29534), (244, 29669), (263, 29729), (329, 29882), (335, 29894), (339, 29903), (340, 29906), (370, 29951), (374, 29966), (378, 29975), (381, 29984), (396, 30038), (402, 30056), (425, 30110), (499, 30326), (528, 30419), (567, 30527), (580, 30581), (599, 30656), (639, 30785), (672, 30911),

Gene: Zipp_34 Start: 30844, Stop: 32466, Start Num: 90

Candidate Starts for Zipp_34:

(Start: 60 @30787 has 1 MA's), (Start: 90 @30844 has 22 MA's), (106, 30865), (137, 30928), (163, 30991), (186, 31051), (190, 31063), (222, 31150), (247, 31201), (284, 31312), (292, 31339), (296, 31354), (354, 31438), (366, 31468), (370, 31477), (382, 31513), (398, 31573), (423, 31621), (426, 31630), (457, 31729), (473, 31768), (478, 31780), (508, 31897), (515, 31936), (534, 31975), (558, 32032), (568, 32071), (570, 32080), (582, 32137), (584, 32149), (600, 32206), (601, 32212), (609, 32233), (620, 32266), (635, 32311), (667, 32440), (669, 32449),

Gene: Zirinka_19 Start: 17776, Stop: 19374, Start Num: 99

Candidate Starts for Zirinka_19:

(Start: 99 @17776 has 65 MA's), (208, 18025), (214, 18034), (220, 18052), (221, 18055), (246, 18109), (269, 18184), (291, 18253), (294, 18262), (297, 18274), (301, 18286), (314, 18325), (328, 18352), (333, 18361), (334, 18364), (381, 18397), (397, 18454), (423, 18520), (461, 18631), (484, 18691), (512, 18793), (534, 18850), (562, 18940), (624, 19180), (645, 19258),

Gene: Zitch_36 Start: 28728, Stop: 30350, Start Num: 90

Candidate Starts for Zitch_36:

(Start: 90 @28728 has 22 MA's), (106, 28749), (113, 28761), (137, 28812), (156, 28851), (163, 28875), (190, 28947), (222, 29034), (247, 29085), (254, 29115), (284, 29196), (292, 29223), (351, 29316), (366, 29352), (370, 29361), (381, 29394), (382, 29397), (398, 29457), (423, 29505), (426, 29514), (457, 29613), (473, 29652), (478, 29664), (508, 29781), (515, 29820), (534, 29859), (558, 29916), (568, 29955), (570, 29964), (582, 30021), (584, 30033), (597, 30081), (600, 30090), (601, 30096), (609, 30117), (620, 30150), (635, 30195), (650, 30246), (667, 30324), (669, 30333),

Gene: Zizzle_16 Start: 14782, Stop: 16491, Start Num: 83

Candidate Starts for Zizzle_16:

(Start: 83 @14782 has 222 MA's), (134, 14869), (Start: 158 @14914 has 2 MA's), (165, 14938), (199, 15043), (201, 15049), (206, 15067), (215, 15097), (254, 15202), (273, 15256), (276, 15262), (279, 15271), (287, 15292), (294, 15316), (305, 15352), (307, 15358), (319, 15391), (320, 15394), (322, 15403), (328, 15418), (331, 15424), (346, 15442), (350, 15457), (353, 15463), (359, 15481), (360, 15484), (367, 15499), (373, 15514), (374, 15520), (390, 15568), (394, 15580), (395, 15586), (423, 15646), (427, 15658), (443, 15694), (445, 15706), (469, 15781), (471, 15790), (478, 15808), (479, 15814), (487, 15844), (529, 15949), (533, 15961), (543, 15997), (562, 16075), (592, 16195), (600, 16228), (609, 16258), (611, 16270), (616, 16288), (618, 16294), (619, 16297), (621, 16303), (631, 16318), (632, 16321), (637, 16342), (638, 16345), (652, 16387), (657, 16417), (667, 16459), (668, 16465),

Gene: xkcd_25 Start: 19999, Stop: 21594, Start Num: 132

Candidate Starts for xkcd_25:

(Start: 87 @19915 has 85 MA's), (Start: 132 @19999 has 48 MA's), (Start: 167 @20077 has 1 MA's), (195, 20164), (201, 20179), (215, 20227), (229, 20266), (261, 20353), (274, 20386), (287, 20422), (295, 20452), (297, 20458), (321, 20527), (348, 20557), (351, 20569), (353, 20572), (374, 20629), (424, 20761), (426, 20767), (449, 20833), (451, 20839), (456, 20863), (471, 20911), (479, 20935), (481, 20944), (502, 21019), (532, 21070), (536, 21085), (578, 21247), (583, 21274), (592, 21304), (620, 21409), (650, 21487), (657, 21523), (660, 21532), (667, 21565), (673, 21580),