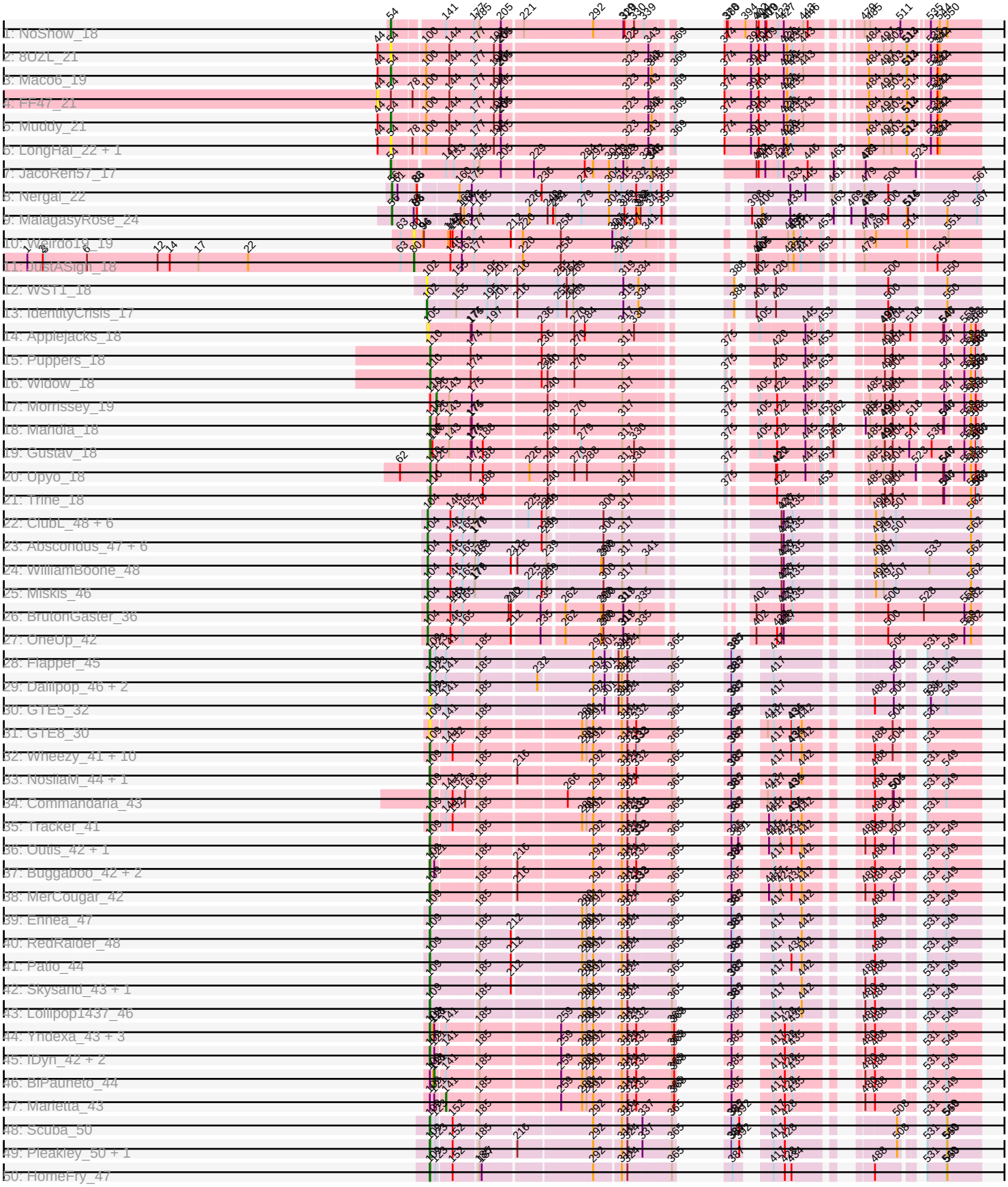
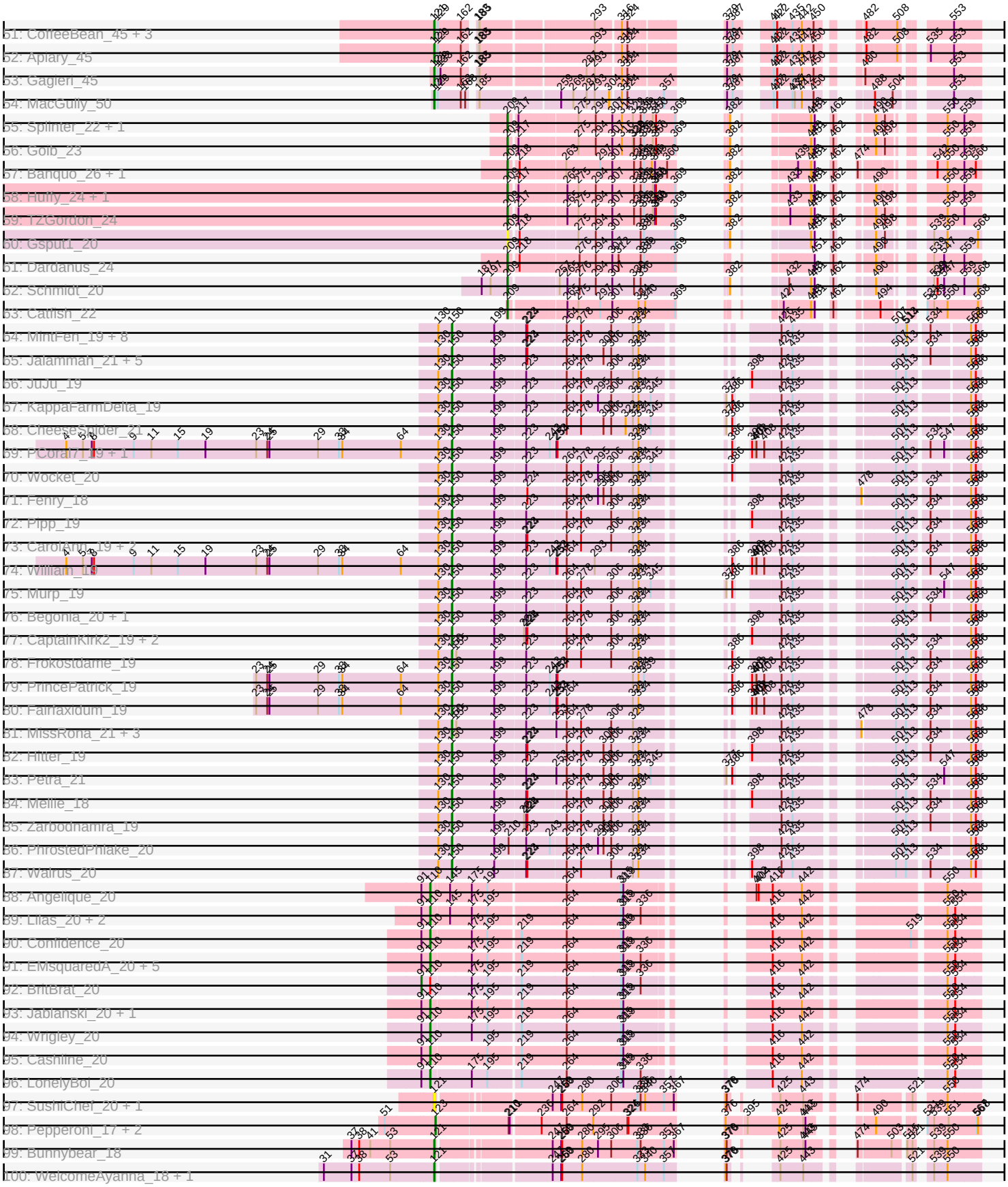
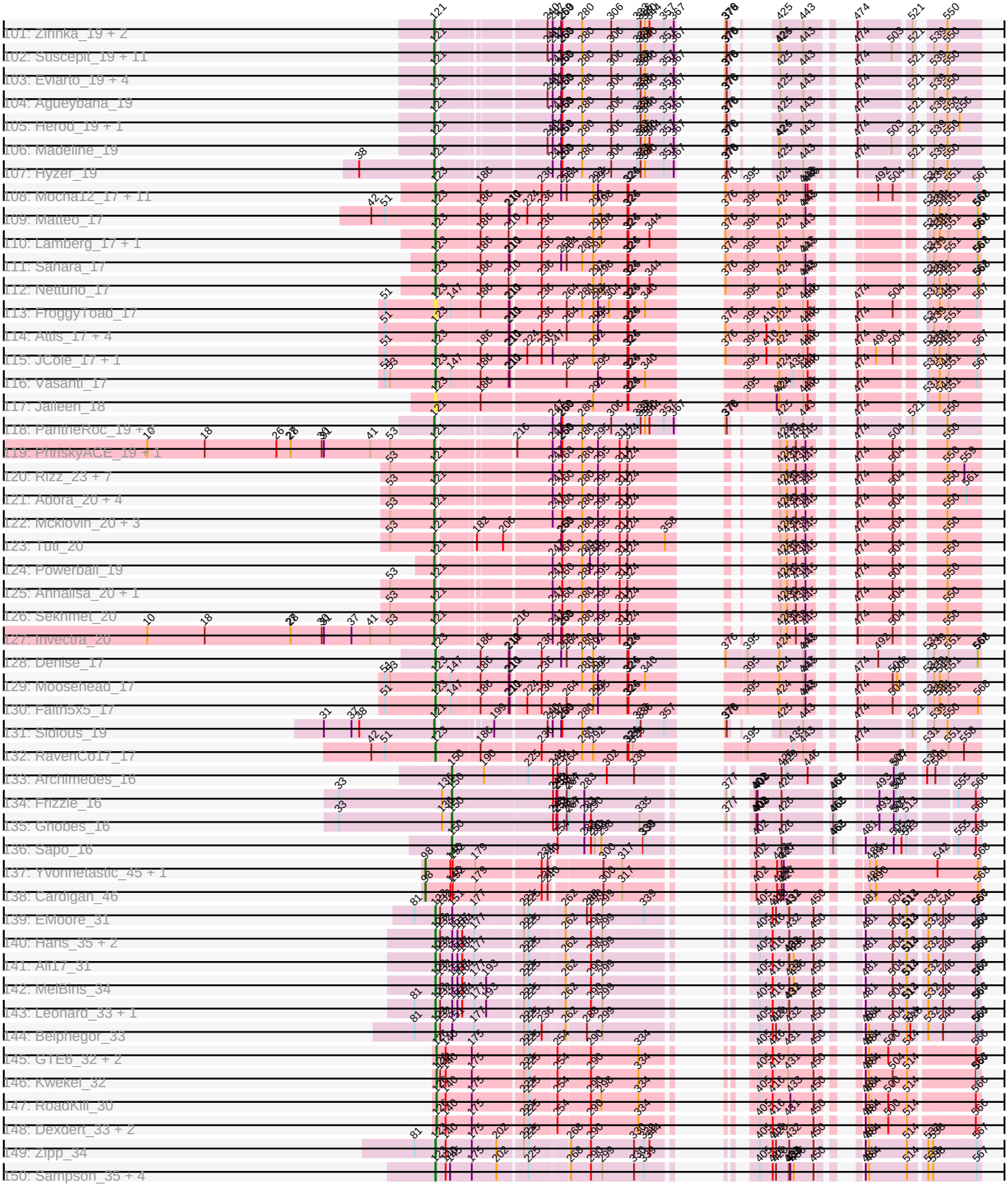
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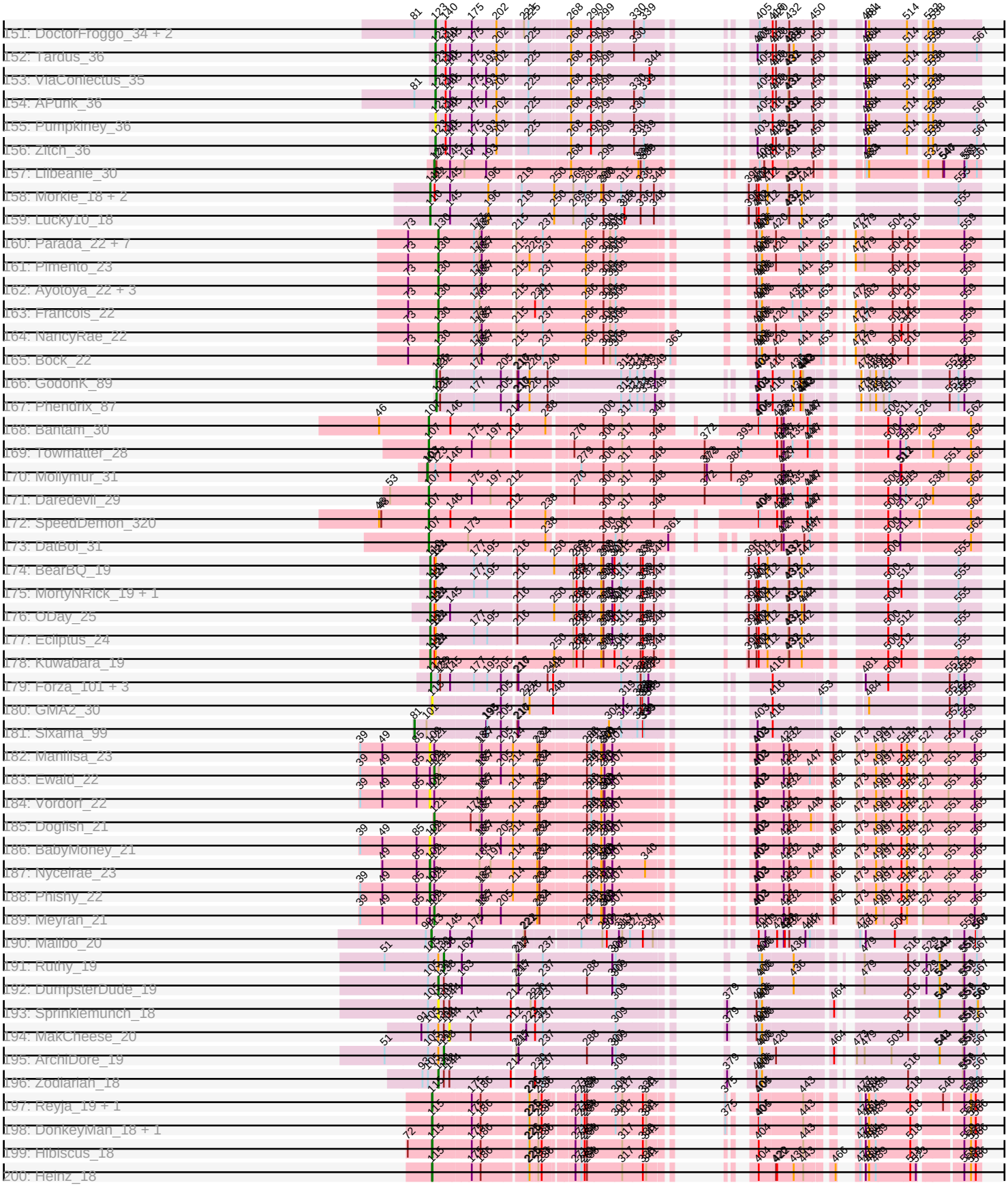
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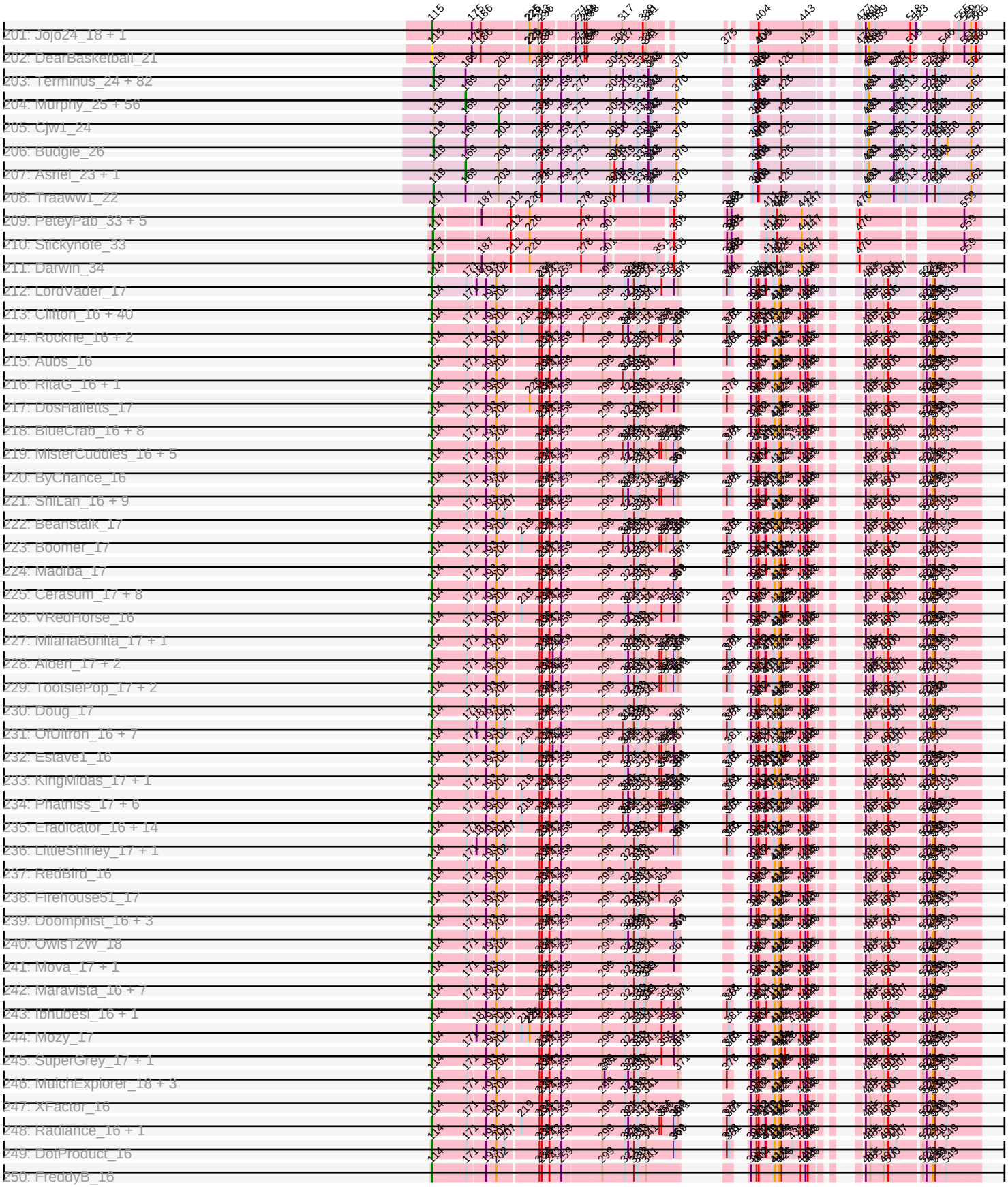
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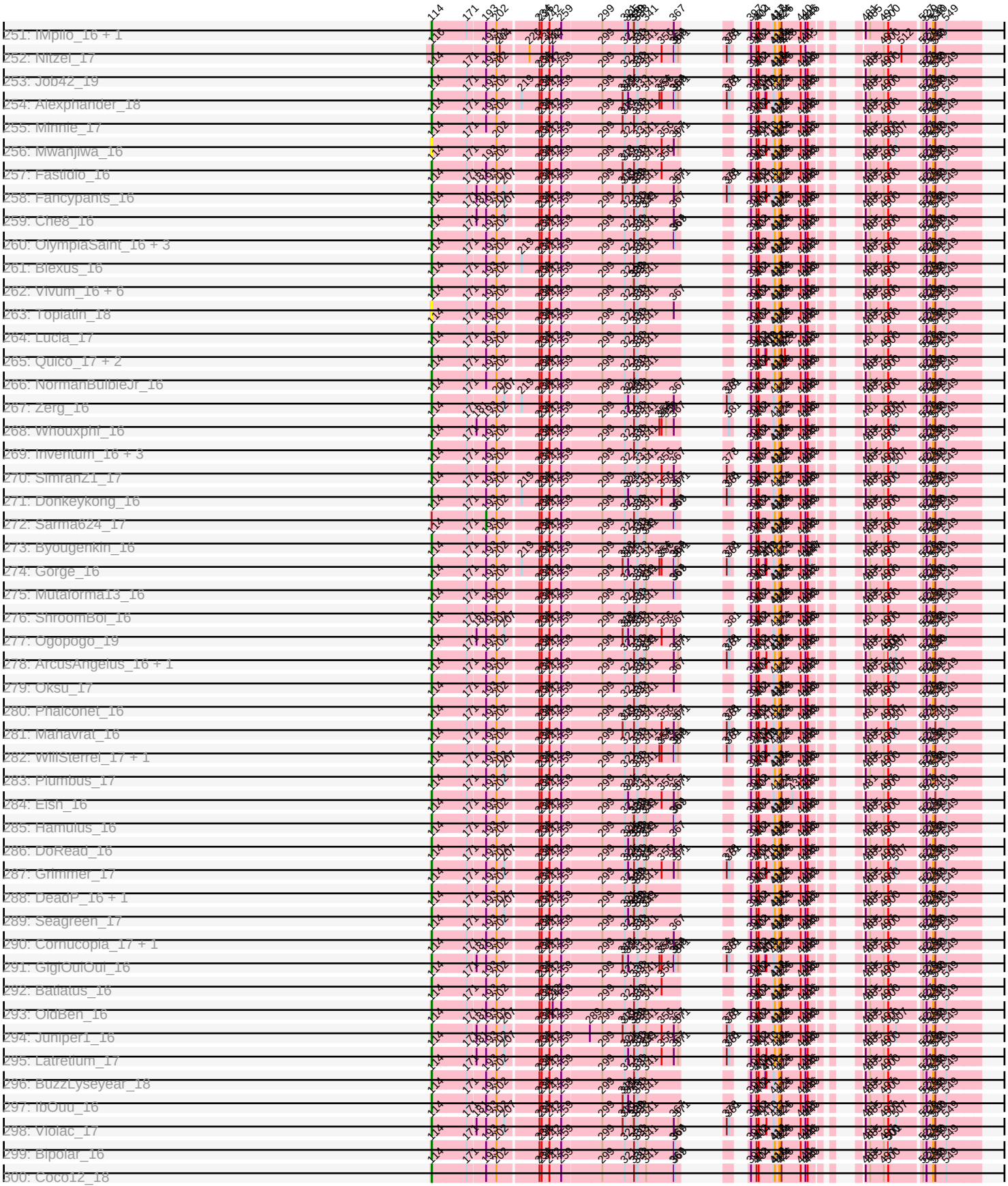
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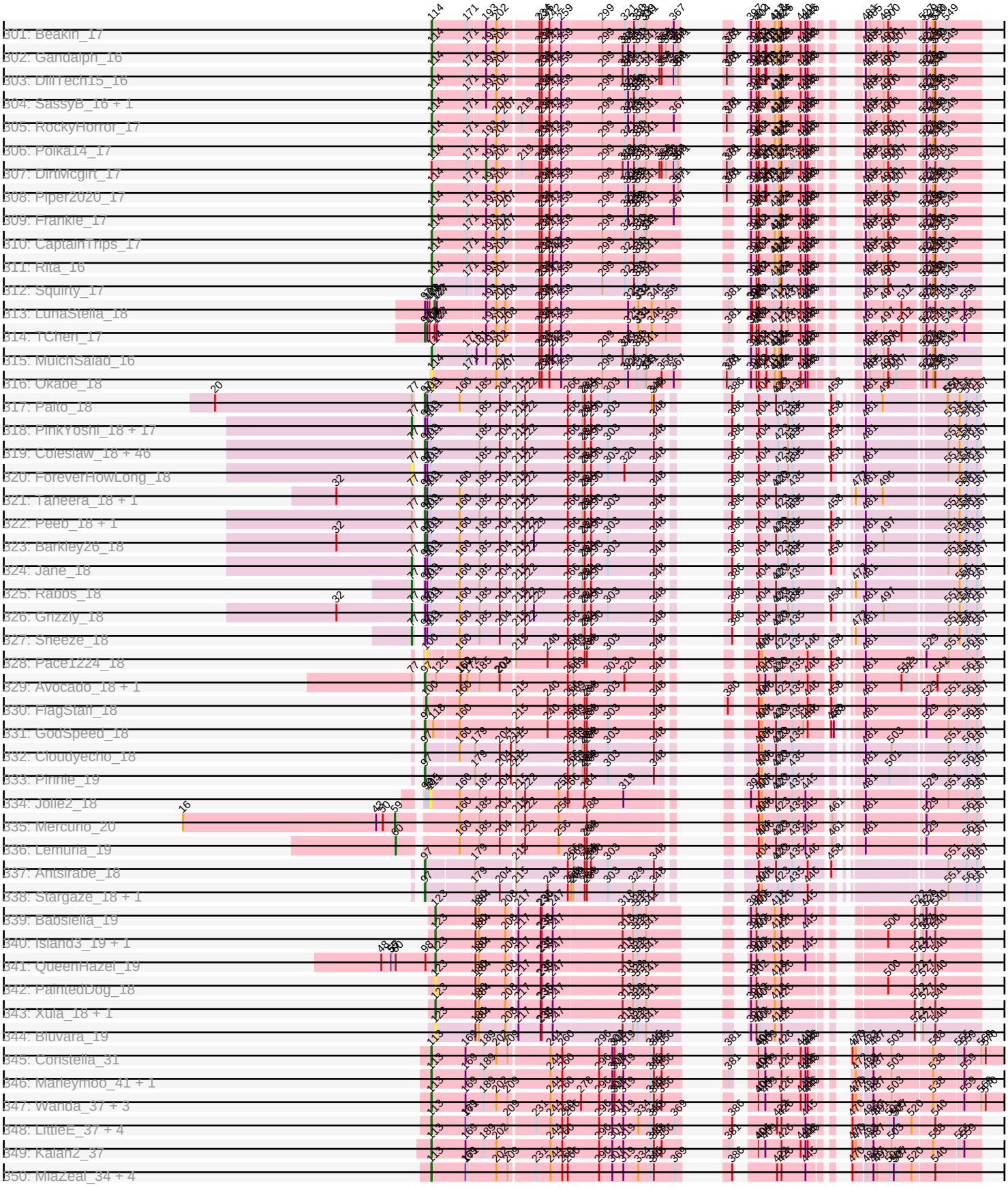
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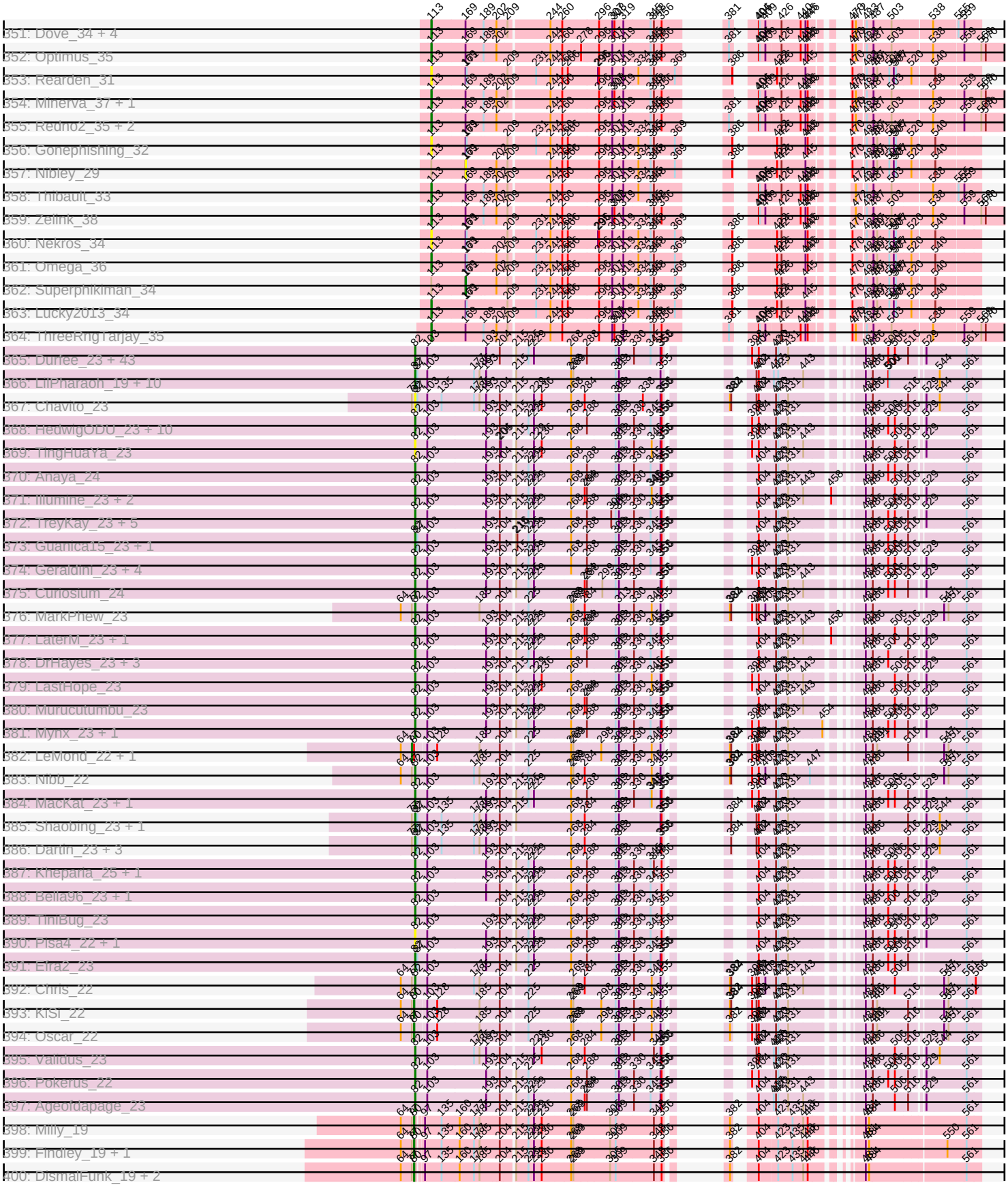
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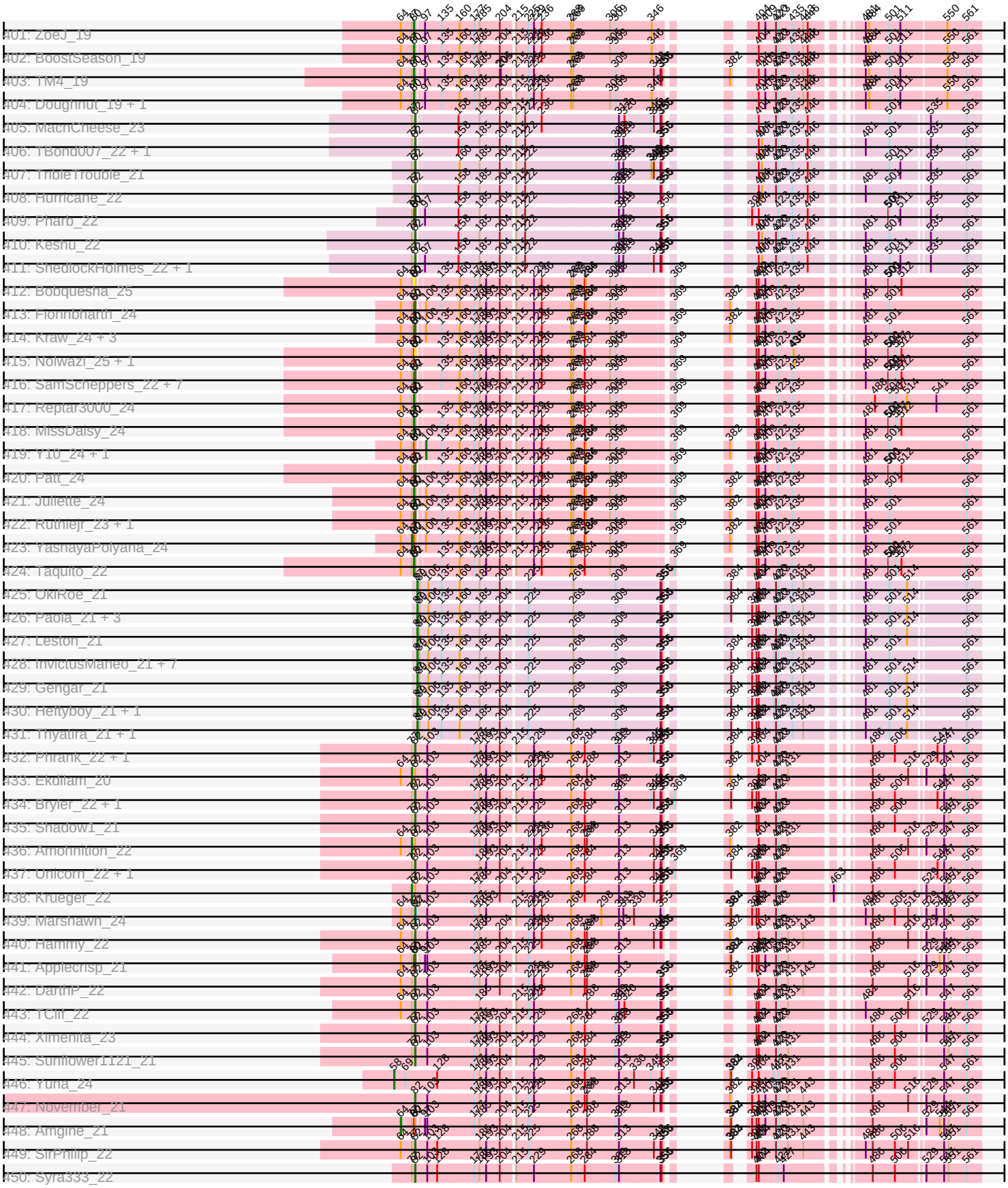
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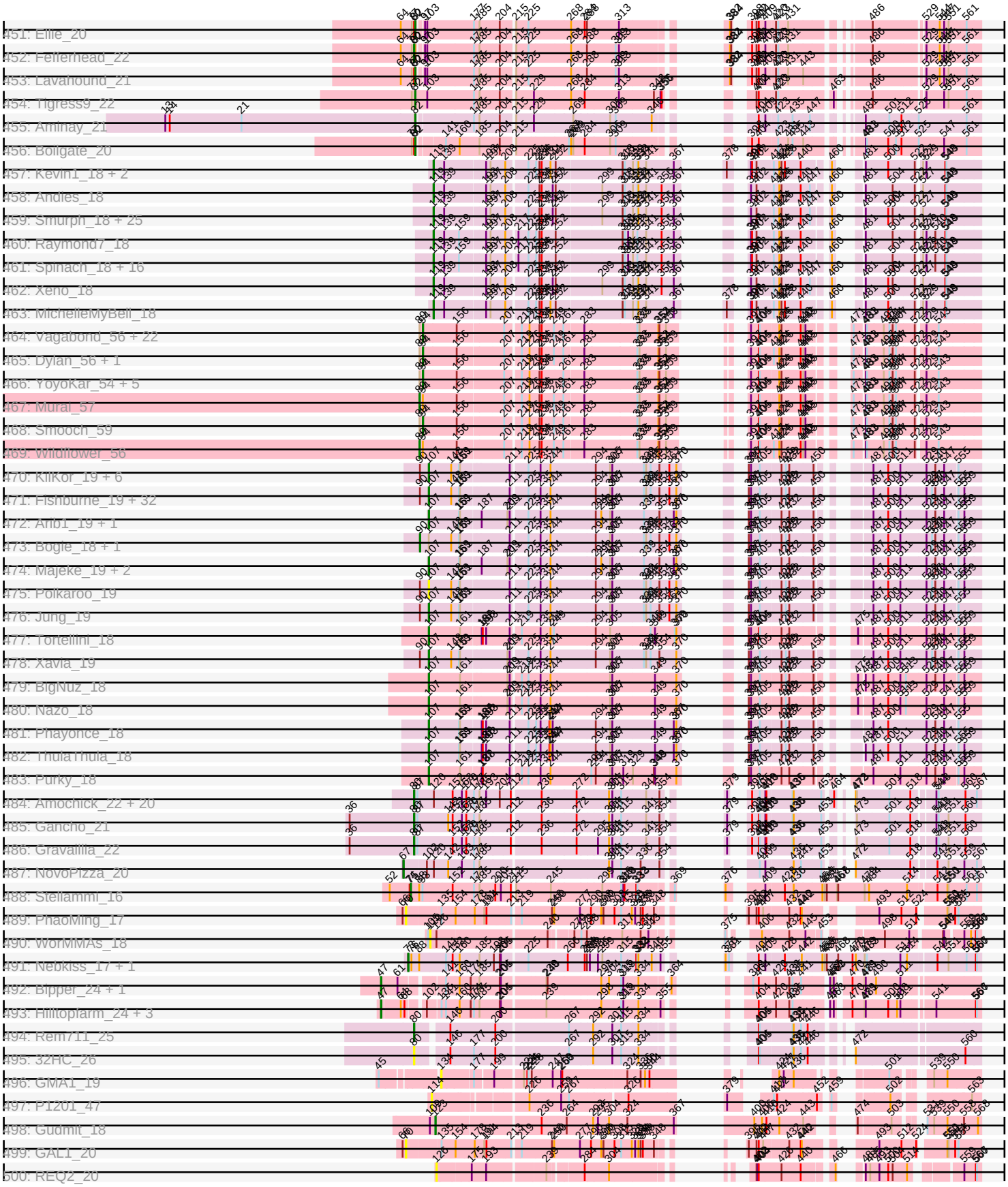
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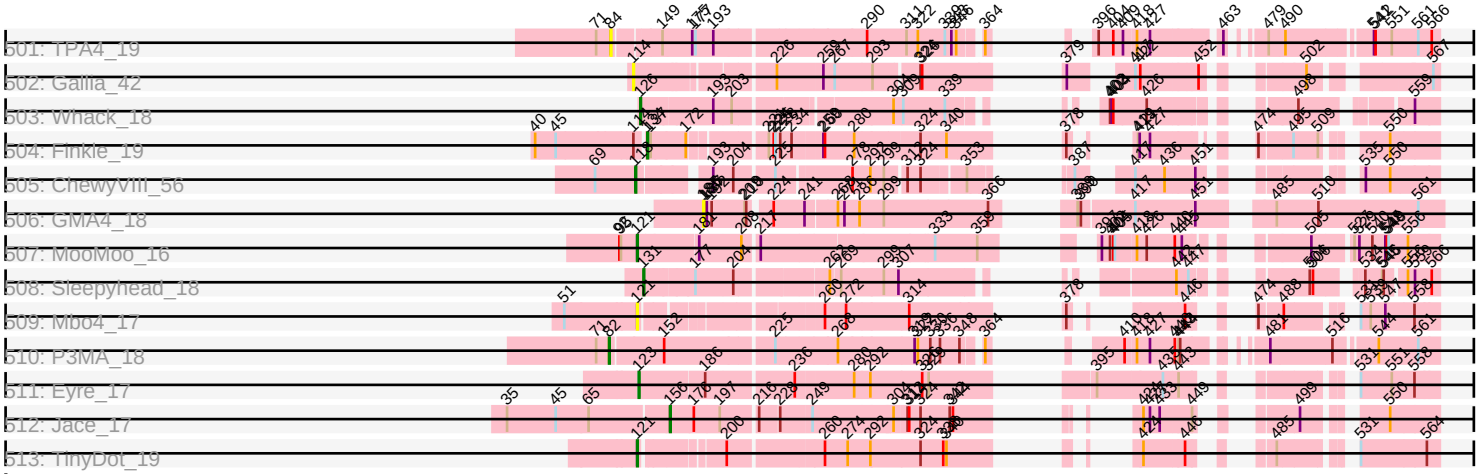
Zoomed Pham 347010



Zoomed Pham 347010



Zoomed Pham 347010



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 347010 Report

This analysis was run 11/14/26 on database version 672.

Pham number 347010 has 1314 members, 108 are drafts.

Phages represented in each track:
• Track 1 : NoShow_18
• Track 2 : 8UZL_21
• Track 3 : Maco6_19
• Track 4 : FF47_21
• Track 5 : Muddy_21
• Track 6 : LongHai_22, Salvus_22
• Track 7 : JacoRen57_17
• Track 8 : Nergal_22
• Track 9 : MalagasyRose_24
• Track 10 : Weirdo19_19
• Track 11 : JustASigh_18
• Track 12 : WST1_18
• Track 13 : IdentityCrisis_17
• Track 14 : Applejacks_18
• Track 15 : Puppers_18
• Track 16 : Widow_18
• Track 17 : Morrissey_19
• Track 18 : Mahdia_18
• Track 19 : Gustav_18
• Track 20 : Upyo_18
• Track 21 : Trine_18
• Track 22 : ClubL_48, Aphelion_48, PhinkBoden_48, Bachita_50, Toniann_48, Geeche_47, Cucurbita_50
• Track 23 : Abscondus_47, Smoothie_49, Norvs_49, Lozinak_48, Engineer_49, Culver_48, Dusty_47
• Track 24 : WilliamBoone_48
• Track 25 : Miskis_46
• Track 26 : BrutonGaster_36
• Track 27 : OneUp_42
• Track 28 : Flapper_45
• Track 29 : Dalilpop_46, GRU1_31, Turuncu_45
• Track 30 : GTE5_32
• Track 31 : GTE8_30
• Track 32 : Wheezy_41, Emianna_41, Kurt_41, NovumRegina_41, GrootJr_43, Arti_41, NatB6_41, KidneyBean_41, Phomeo_40, Foxboro_42, Jifall16_40
• Track 33 : NosilaM_44, Bonum_44
• Track 34 : Commandaria_43

• Track 35 : Tracker_41
• Track 36 : Outis_42, StarStruck_42
• Track 37 : Buggaboo_42, SuperSulley_42, Kabluna_44
• Track 38 : MerCougar_42
• Track 39 : Ennea_47
• Track 40 : RedRaider_48
• Track 41 : Patio_44
• Track 42 : Skysand_43, Float294_43
• Track 43 : Lollipop1437_46
• Track 44 : Yndexa_43, HubbaBubba_39, Sukkupi_43, Pemberton_44
• Track 45 : IDyn_42, WhoseManz_43, NadineRae_41
• Track 46 : BiPauneto_44
• Track 47 : Marietta_43
• Track 48 : Scuba_50
• Track 49 : Pleakley_50, Fury_50
• Track 50 : HomeFry_47
• Track 51 : CoffeeBean_45, Polyyuki_45, Braxoaddie_45, Maselop_45
• Track 52 : Apiary_45
• Track 53 : Gagieri_45
• Track 54 : MacGully_50
• Track 55 : Splinter_22, Vendetta_22
• Track 56 : Goib_23
• Track 57 : Banquo_26, TinaLin_25
• Track 58 : Huffy_24, DinoDaryn_24
• Track 59 : TZGordon_24
• Track 60 : Gsput1_20
• Track 61 : Dardanus_24
• Track 62 : Schmidt_20
• Track 63 : Catfish_22
• Track 64 : MintFen_19, Barco_19, Archis_20, JasperJr_19, BlingBling_19, Melba_19, Zilla_19, Guacamole_19, Utz_19
• Track 65 : Jalammah_21, Wisp_18, Samba_19, Lysidious_20, Obliviate_18, ZiggyZoo_18
• Track 66 : JuJu_19
• Track 67 : KappaFarmDelta_19
• Track 68 : CheeseSpider_21
• Track 69 : PCoral7_19, Toast_19
• Track 70 : Wocket_20
• Track 71 : Fenry_18
• Track 72 : Pipp_19
• Track 73 : CarolAnn_19, Blino_19, Soilmate_19
• Track 74 : William_19
• Track 75 : Murp_19
• Track 76 : Begonia_20, Malachai_20
• Track 77 : CaptainKirk2_19, Delian_19, UmaThurman_19
• Track 78 : Frokostdame_19
• Track 79 : PrincePatrick_19
• Track 80 : Fairfaxidum_19
• Track 81 : MissRona_21, Gambino_21, Azula_21, Blueberry_21
• Track 82 : Hitter_19
• Track 83 : Petra_21
• Track 84 : Mellie_18
• Track 85 : Zarbodnamra_19

• Track 86 : PhrostedPhlake_20
• Track 87 : Walrus_20
• Track 88 : Angelique_20
• Track 89 : Lilas_20, EnalisNailo_20, Bradissa_20
• Track 90 : Confidence_20
• Track 91 : EMsquaredA_20, BeeGee_20, Pollux_20, Posh_20, Marteena_20, Floral_20
• Track 92 : BritBrat_20
• Track 93 : Jablanski_20, Pytheas_20
• Track 94 : Wrigley_20
• Track 95 : Cashline_20
• Track 96 : LonelyBoi_20
• Track 97 : SushiChef_20, Madavieve_19
• Track 98 : Pepperoni_17, OneDirection_17, Lton_17
• Track 99 : Bunnybear_18
• Track 100 : WelcomeAyanna_18, ThankyouJordi_18
• Track 101 : Zirinka_19, Ohgeesy_19, Bialota_19
• Track 102 : Suscepit_19, Tayonia_19, Antonio_19, Polly_19, Kita_19, Zameen_19, Neobush_19, Trumpet_19, Dillpickles_20, Maridalia_18, Eudoria_19, Manasvini_19
• Track 103 : Eviarto_19, Nymphadora_19, BatStarr_19, Bosnia_19, TimTam_19
• Track 104 : Agueybana_19
• Track 105 : Herod_19, Hugley_19
• Track 106 : Madeline_19
• Track 107 : Hyzer_19
• Track 108 : Mocha12_17, GemG_17, Cynthia_17, Whiteclaw_17, Gizermo_17, TuertoX_17, Haley23_17, Clap_17, Sproutie_17, Savage_17, Ebert_17, Yinzer_17
• Track 109 : Matteo_17
• Track 110 : Lamberg_17, EdnaMode_17
• Track 111 : Sahara_17
• Track 112 : Nettuno_17
• Track 113 : FroggyToad_17
• Track 114 : Attis_17, Yeet412_17, LordFarquaad_17, SoilAssassin_17, Bjanes7_17
• Track 115 : JCole_17, Pickett_17
• Track 116 : Vasanti_17
• Track 117 : Jalleen_18
• Track 118 : PantheRoc_19, AlumE_19, Yeezy_20, BaxterFox_18, BoyNamedSue_19
• Track 119 : PhriskyACE_19, Dorito_19
• Track 120 : Rizz_23, Dolores_20, Beenie_20, MichaelScott_20, WinkNick_20, Suerte_18, Samman98_20, Clark_20
• Track 121 : Adora_20, Shlim410_20, Hortense_20, Howe_20, Twinkle_20
• Track 122 : Mcklovin_20, Oregano_20, Easley_20, Thimann_20
• Track 123 : Tuti_20
• Track 124 : Powerball_19
• Track 125 : Annalisa_20, DobbysSock_19
• Track 126 : Sekhmet_20
• Track 127 : Invectra_20
• Track 128 : Denise_17
• Track 129 : Moosehead_17
• Track 130 : Faith5x5_17
• Track 131 : Sidious_19
• Track 132 : RavenCo17_17
• Track 133 : Archimedes_16

• Track 134 : Frizzle_16
• Track 135 : Ghobes_16
• Track 136 : Sapo_16
• Track 137 : Yvonnetastic_45, JonJames_47
• Track 138 : Cardigan_46
• Track 139 : EMoore_31
• Track 140 : Hans_35, Phauci_26, Inspectinfecti_34
• Track 141 : Ali17_31
• Track 142 : MelBins_34
• Track 143 : Leonard_33, Phinally_33
• Track 144 : Belphegor_33
• Track 145 : GTE6_32, Tiamoceli_33, Chickadee_32
• Track 146 : Kwekel_32
• Track 147 : RoadKill_30
• Track 148 : Dexdert_33, EdmundFerry_31, Twonlo_30
• Track 149 : Zipp_34
• Track 150 : Sampson_35, BigHunkinEater_38, Natkenzie_35, Abblin_35, Scioto_35
• Track 151 : DoctorFroggo_34, Verity_34, Delrey21_34
• Track 152 : Tardus_36
• Track 153 : ViaConlectus_35
• Track 154 : APunk_36
• Track 155 : Pumpkiney_36
• Track 156 : Zitch_36
• Track 157 : Lilbeanie_30
• Track 158 : Morkie_18, PhorbesPhlower_18, InLimbo_19
• Track 159 : Lucky10_18
• Track 160 : Parada_22, DelRio_23, SussRoloMann_22, Mulch_22, Brylie_22, WheatThin_22, BetterKatz_22, Nadeem_22
• Track 161 : Pimento_23
• Track 162 : Ayotoya_22, Hamood_22, GrandSlam_22, Chop_22
• Track 163 : Francois_22
• Track 164 : NancyRae_22
• Track 165 : Bock_22
• Track 166 : GodonK_89
• Track 167 : Phendrix_87
• Track 168 : Bantam_30
• Track 169 : Towmatter_28
• Track 170 : Mollymur_31
• Track 171 : Daredevil_29
• Track 172 : SpeedDemon_320
• Track 173 : DatBoi_31
• Track 174 : BearBQ_19
• Track 175 : MortyNRick_19, Birdsong_19
• Track 176 : ODay_25
• Track 177 : Ecliptus_24
• Track 178 : Kuwabara_19
• Track 179 : Forza_101, BlueNGold_100, Mareelih_99, Boopy_101
• Track 180 : GMA2_30
• Track 181 : Sixama_99
• Track 182 : Manilisa_23
• Track 183 : Ewald_22
• Track 184 : Vordorf_22
• Track 185 : Dogfish_21

• Track 186 : BabyMoney_21
• Track 187 : Nyceirae_23
• Track 188 : Phishy_22
• Track 189 : Meyran_21
• Track 190 : Malibo_20
• Track 191 : Ruthy_19
• Track 192 : DumpsterDude_19
• Track 193 : Sprinklemunch_18
• Track 194 : MakCheese_20
• Track 195 : ArchiDore_19
• Track 196 : Zodiariah_18
• Track 197 : Reyja_19, DinoNuggs_19
• Track 198 : DonkeyMan_18, Tarzan_18
• Track 199 : Hibiscus_18
• Track 200 : Heinz_18
• Track 201 : Jojo24_18, Santhid_18
• Track 202 : DearBasketball_21
• Track 203 : Terminus_24, Goldilocks_25, Brewer_24, Command613_25, Gator_22, Pat3_23, HanKaySha_25, Phrux_24, Myrale_24, ABCat_23, Holt_25, Thimble_24, Adnama_27, Teaspoon_25, Buck_23, Miniwave_24, PhatBacter_24, FairyPath_24, Lilizi_26, MPhalcon_23, Cookies_24, BaboJay_23, BadStone_23, Cactus_25, Pharsalus_25, Stark_25, StolenFromERC_26, Tarkin_26, NonchalantPear_24, Contagion_23, Czyszczon1_25, Phaux_23, Sotrice96_24, StellaBean_24, Amao_24, Tomaszewski_23, BigBubba_25, AmericanBeauty_26, Elite2014_23, Kostya_24, CrystalP_24, Thresher_25, Misfit_24, Goku_24, MollyToe_24, DrDrey_25, Paperbeatsrock_26, Simpliphy_25, Gemini_27, Lilpickle_23, Argent26_26, Lilac_26, MISSy_23, ShereKhan_26, ShamWow_24, ChosenOne_23, Balomoji_23, Nimrod_24, Ukulele_24, Wiggin_27, OrionPax_25, SophKB_24, GooberAzure_26, Eureka_24, Dusk_23, Filch_25, Elph10_25, Kimchi_26, Saints25_25, Highbury_25, MadamMonkfish_24, Quallification_25, Tuco_25, Rimmer_23, Manda_25, Moldemort_25, NoSleep_25, TeardropMSU_23, GoldenSpark_26, Kanye_26, Hoonter_26, SirDuracell_23, 244_26
• Track 204 : Murphy_25, Phaja_24, Stank_27, Rakim_25, Ptowny_24, YassJohnny_25, Porky_24, IHOP_24, Marshmallow_24, Greep_25, Icee_23, Murica_23, Livelaughbron_24, Bask21_24, Harella_23, Dumbo_24, Easy2Say_26, FoghornLeghorn_23, Palpatine_24, HufflyPuff_23, Petra64142_26, Flypotenuse_22, Mosby_23, FireRed_24, Emmina_25, NelitzaMV_24, RiverMonster_24, TBrady12_26, Bogg_24, Glexan_22, DoctorDiddles_24, Henry_24, Bruin_24, ChotaBhai_24, Policronamos_24, Nala_24, PaddyBaddy_25, StormChicken_24, Daikon_22, Inca_23, Willez_23, Pumpkin_26, xkcd_25, BilboSwaggins_24, Becksu_24, Toto_24, Xandras_26, TeamEdward_24, Bench_26, Maxxinista_25, Gage_26, BugsBunny_22, JeTaime_26, Hopey_26, Mindy_24, Sassay_23, Youngblood_24
• Track 205 : Cjw1_24
• Track 206 : Budgie_26
• Track 207 : Asriel_23, Barbarian_23
• Track 208 : Traaww1_22
• Track 209 : PeteyPab_33, Zion_34, Cruella_31, C3PO_31, PotatoChip_34, Kimchi1738_31
• Track 210 : Stickynote_33
• Track 211 : Darwin_34
• Track 212 : LordVader_17

• Track 213 : Clifton_16, JalFarm20_18, SG4_16, Royals2015_16, Geralt_16, Doomslug_18, Hades_16, StAnnes_16, Flathead_17, Strokeseat_16, Dante_16, Moonbeam_17, MinionDave_17, Brushbloom_17, Hlubikazi_16, Bobi_18, Wee_17, PhesterPhotato_16, DLane_16, Krakatau_17, Bubbles123_17, Wachhund_16, KristaRAM_17, Ms6_16, Ovechkin_16, Hegedechwinu_17, LastJedi_16, Clank_16, Peridot_17, Whatsapiecost_16, MilleniumForce_17, Emma_16, Brocalys_16, Tweety_16, Jant_16, Jennelsea_16, Mandlovu_16, Galactic_16, Pippy_16, Kingsley_17, Koella_16
• Track 214 : Rockne_16, Llij_16, PMC_16
• Track 215 : Aubs_16
• Track 216 : RitaG_16, Leperchaun_16
• Track 217 : DosHalletts_17
• Track 218 : BlueCrab_16, Pacc40_16, Dorothy_16, Daenerys_16, Nimbo_16, Empress_17, JoeyJr_16, DaddyRickover_16, PHappiness_16
• Track 219 : MisterCuddles_16, GUmbie_16, Girr_16, Veteran_16, Phasih_17, Ruby_16
• Track 220 : ByChance_16
• Track 221 : ShiLan_16, Spikelee_17, Nivrat_16, Burwell21_16, ShowerHandel_16, Yorick_16, Martik_16, Zizzle_16, Jarcob_16, Lizziana_16
• Track 222 : Beanstalk_17
• Track 223 : Boomer_17
• Track 224 : Madiba_17
• Track 225 : Cerasum_17, Phanphagia_16, Shauna1_16, BigPhil_17, Medindi_16, Crumble_16, Brookers_17, Ardmore_16, Velveteen_17
• Track 226 : VRedHorse_16
• Track 227 : MilanaBonita_17, Akhila_17
• Track 228 : Aloeri_17, ChickenDinner_17, DocMcStuffins_17
• Track 229 : TootsiePop_17, Awesomesauce_17, Misha28_17
• Track 230 : Doug_17
• Track 231 : OfUltron_16, Nichirin_16, Jinglebell_15, Modragons_16, Seabastian_16, Llama_16, AlpineSix_16, Ochi17_16
• Track 232 : Estave1_16
• Track 233 : KingMidas_17, Scottish_17
• Track 234 : Phatniss_17, Drago_17, Enby_17, UncleRicky_17, SiSi_16, Lorde_17, Karhdo_16
• Track 235 : Eradicator_16, Mattes_16, TDanisky_16, BobaPhett_16, DaWorst_18, SwagPigglett_16, Tchotchke_17, DRBy19_16, Sandalphon_17, James_16, Saal_16, Sparkdehlily_16, LilMoolah_16, Philus_16, Mantra_16
• Track 236 : LittleShirley_17, Rialto_18
• Track 237 : RedBird_16
• Track 238 : Firehouse51_17
• Track 239 : Doomphist_16, Ramsey_17, Stap_17, Poenanya_16
• Track 240 : OwlsT2W_18
• Track 241 : Mova_17, Chuckly_16
• Track 242 : Maravista_16, PatoPoderoso_16, Leozinho_17, EleanorGeorge_16, Melissauren88_16, KingJulian_16, Corium_16, Fruitloop_16
• Track 243 : Ibhubesi_16, Harley_16
• Track 244 : Mozy_17
• Track 245 : SuperGrey_17, Kenuha5_16
• Track 246 : MulchExplorer_18, QuickMath_17, Juice456_18, Kimberlium_18
• Track 247 : XFactor_16
• Track 248 : Radiance_16, Tootsieroll_17
• Track 249 : DotProduct_16

• Track 250 : FreddyB_16
• Track 251 : IMpilo_16, Filuzino_16
• Track 252 : Nitzel_17
• Track 253 : Job42_19
• Track 254 : Alexphander_18
• Track 255 : Minnie_17
• Track 256 : Mwanjiwa_16
• Track 257 : Fastidio_16
• Track 258 : Fancypants_16
• Track 259 : Che8_16
• Track 260 : OlympiaSaint_16, Priscilla_16, Spoonbill_16, Cabrinians_16
• Track 261 : Blexus_16
• Track 262 : Vivum_16, Starcevich_17, Slim_17, EmiMonkey_16, Emmaloid_17, PhlipPhlop_16, Totinger_17
• Track 263 : Topiatin_18
• Track 264 : Lucia_17
• Track 265 : Quico_17, Girafales_17, Florinda_16
• Track 266 : NormanBulbieJr_16
• Track 267 : Zerg_16
• Track 268 : Whouxphf_16
• Track 269 : Inventum_16, Deb65_16, BodEinwohner17_16, Sassafras_16
• Track 270 : SimranZ1_17
• Track 271 : Donkeykong_16
• Track 272 : Sarma624_17
• Track 273 : Byougenkin_16
• Track 274 : Gorge_16
• Track 275 : Mutaforma13_16
• Track 276 : ShroomBoi_16
• Track 277 : Ogopogo_19
• Track 278 : ArcusAngelus_16, Chevrolet_16
• Track 279 : Oksu_17
• Track 280 : Phalconet_16
• Track 281 : Mahavrat_16
• Track 282 : WillSterrel_17, IrishSherpFalk_17
• Track 283 : Plumbus_17
• Track 284 : Eish_16
• Track 285 : Hamulus_16
• Track 286 : DoRead_16
• Track 287 : Grimmer_17
• Track 288 : DeadP_16, Taj_16
• Track 289 : Seagreen_17
• Track 290 : Cornucopia_17, Marker_17
• Track 291 : GigiOuiOui_16
• Track 292 : Batiatus_16
• Track 293 : OldBen_16
• Track 294 : Juniper1_16
• Track 295 : Latretium_17
• Track 296 : BuzzLyseyear_18
• Track 297 : IbOuu_16
• Track 298 : Violac_17
• Track 299 : Bipolar_16
• Track 300 : Coco12_18
• Track 301 : Beakin_17

• Track 302 : Gandalph_16
• Track 303 : DillTech15_16
• Track 304 : SassyB_16, PopTart_16
• Track 305 : RockyHorror_17
• Track 306 : Polka14_17
• Track 307 : DirtMcgirt_17
• Track 308 : Piper2020_17
• Track 309 : Frankie_17
• Track 310 : CaptainTrips_17
• Track 311 : Rita_16
• Track 312 : Squirty_17
• Track 313 : LunaStella_18
• Track 314 : TChen_17
• Track 315 : MulchSalad_16
• Track 316 : Okabe_18
• Track 317 : Paito_18
• Track 318 : PinkYoshi_18, CLED96_18, Sizemore_18, Phish_18, Hotshotbaby7_18, BQuat_18, DNAIII_0018, Chance64_18, Primanti_18, Frosty24_18, Remy19_18, Sweets_18, Kasen3_18, Camri_18, Cherrybomb426_18, Olga_18, Jonghyun_18, Terralys_18
• Track 319 : Coleslaw_18, DingDing_18, Jolene_18, Darionha_18, Hope_18, Rattrick_18, Angel_18, CassieYates_18, ECartman_18, OctaviousRex_18, MZKinsey_18, Gomashi_18, Phloodle_18, Periodt_18, Schiebel_18, Marmie_18, Cedasite_18, Gideon_18, BPs_18, Jeilious_18, ZoMa_18, LouisV14_18, DMoney_18, Maliketh_18, Neoh_18, Aroostook_18, Plagueis_18, TinaBug_18, Kareem_18, Mowgli_18, Phreak_18, BruceB_18, Renaissance_18, TomBrady_18, Crespo_18, Richarlison_18, Ruriko_18, AizenPogi_18, Halo_18, Zombie_18, AzulaCat_18, JorRay_18, Annihilator_18, ShaboiShabazz_18, Wendigo_18, Avrafan_18, GoldenAsh_18
• Track 320 : ForeverHowLong_18
• Track 321 : Taheera_18, Terror_18
• Track 322 : Peeb_18, Liefie_18
• Track 323 : Barkley26_18
• Track 324 : Jane_18
• Track 325 : Rabbs_18
• Track 326 : Grizzly_18
• Track 327 : Sneeze_18
• Track 328 : Pace1224_18
• Track 329 : Avocado_18, Cambiare_19
• Track 330 : FlagStaff_18
• Track 331 : GodSpeed_18
• Track 332 : Cloudyecho_18
• Track 333 : Pinnie_19
• Track 334 : Jolie2_18
• Track 335 : Mercurio_20
• Track 336 : Lemuria_19
• Track 337 : Antsirabe_18
• Track 338 : Stargaze_18, YangYin_18
• Track 339 : Babsiella_19
• Track 340 : Island3_19, Brujita_19
• Track 341 : QueenHazel_19
• Track 342 : PaintedDog_18
• Track 343 : Xula_18, HC_19

• Track 344 : Bluvara_19
• Track 345 : Constella_31
• Track 346 : Marleymoo_41, Hidrated_37
• Track 347 : Wanda_37, Bobby_38, Ejimix_37, DmpstrDiver_35
• Track 348 : LittleE_37, KashFlow_28, Hannaconda_31, BronnyJames_28, Shaboozey_28
• Track 349 : Kalah2_37
• Track 350 : MiaZeal_34, Courthouse_34, Ariel_34, Porcelain_33, Squint_33
• Track 351 : Dove_34, Odette_36, Bombitas_33, Hughesyang_35, Schatzie_34
• Track 352 : Optimus_35
• Track 353 : Rearden_31
• Track 354 : Minerva_37, Klein_37
• Track 355 : Redno2_35, Phoebus_36, BAKA_34
• Track 356 : Gonephishing_32
• Track 357 : Nibley_29
• Track 358 : Thibault_33
• Track 359 : Zelink_38
• Track 360 : Nekros_34
• Track 361 : Omega_36
• Track 362 : Superphikiman_34
• Track 363 : Lucky2013_34
• Track 364 : ThreeRngTarjay_35
• Track 365 : Durfee_23, Sulley_23, Joy99_23, Dalmuri_23, Inky_23, BGlluviae_23, Asayake_23, Capricorn_23, MeaningOfLife_23, CallaLilly_23, Lokum_23, Ramen_23, Boiiii_23, Belladonna_23, CheetoDust_23, Peel_23, Padfoot_23, AlishaPH_23, Jeckyll_23, Emerson_23, CaseJules_23, Padpat_23, Blizzard_23, Piatt_23, Twitch_23, BaghaKamala_23, Apocalypse_23, Llorens_23, JAWS_23, BEEST_23, YoureAdopted_22, Jarvi_23, Spock_23, BarrelRoll_23, Hyperbowlee_23, Tiri_23, Topper_23, CREW_23, Angelica_23, Deby_23, Homura_23, Rosmarinus_23, ShiaSurprise_23, Lunahalos_23
• Track 366 : LilPharaoh_19, Nutello_19, SgtBeansprout_19, Teejan_19, Mdavu_19, Enkosi_19, Amelie_19, Torres_19, Trice_19, Nikao_19, Biglebops_19
• Track 367 : Chavito_23
• Track 368 : HedwigODU_23, Veliki_23, Tachez_23, Rapunzel97_23, ActinUp_23, Jayhawk_23, Adephagia_23, TruffulaTree_23, Slimphazie_23, Atiba_23, Zabiza_23
• Track 369 : TingHuaYa_23
• Track 370 : Anaya_24
• Track 371 : Illumine_23, Dole_23, Devera_23
• Track 372 : TreyKay_23, Prithvi_23, Megsy_23, TaiwanKao_24, CrimD_23, LindNT_23
• Track 373 : Guanica15_23, Yunkel11_23
• Track 374 : Geraldini_23, Ganymede_24, Adonis_23, Beezoo_23, QuincyRose_22
• Track 375 : Curiosium_24
• Track 376 : MarkPhew_23
• Track 377 : LaterM_23, Stinson_23
• Track 378 : DrHayes_23, Anma_23, Urkel_23, SamuelLPlaqson_23
• Track 379 : LastHope_23
• Track 380 : Murucutumbu_23
• Track 381 : Mynx_23, Zavala_23
• Track 382 : LeMond_22, Scarlett_22
• Track 383 : Nibb_22
• Track 384 : MacKat_23, Clipper_23
• Track 385 : Shaobing_23, Peanam_23

• Track 386 : Dartin_23, McMater_23, Niklas_23, Richo_23
• Track 387 : Kheparia_25, Bern_23
• Track 388 : Bella96_23, DartGoblin_23
• Track 389 : TiniBug_23
• Track 390 : Pisa4_22, Pisa1_22
• Track 391 : Efra2_23
• Track 392 : Chris_22
• Track 393 : KiSi_22
• Track 394 : Oscar_22
• Track 395 : Validus_23
• Track 396 : Pokerus_22
• Track 397 : Ageofdapage_23
• Track 398 : Milly_19
• Track 399 : Findley_19, Strobilo_19
• Track 400 : DismalFunk_19, DismalStressor_19, Marcoliusprime_19
• Track 401 : ZoeJ_19
• Track 402 : BoostSeason_19
• Track 403 : TM4_19
• Track 404 : Doughnut_19, Mufasa_19
• Track 405 : MacnCheese_23
• Track 406 : TBond007_22, Pixie_22
• Track 407 : TribleTrouble_21
• Track 408 : Hurricane_22
• Track 409 : Pharb_22
• Track 410 : Keshu_22
• Track 411 : ShedlockHolmes_22, Lea83_22
• Track 412 : Bobquesha_25
• Track 413 : Fionnbharth_24
• Track 414 : Kraw_24, JF1_24, Wintermute_24, Malthus_25
• Track 415 : Nolwazi_25, DanSyl44_25
• Track 416 : SamScheppers_22, Lebo14_24, Slarp_24, Mitti_24, OmniCritical_24, Cheetobro_24, Chancellor_24, Qhanda_25
• Track 417 : Reptar3000_24
• Track 418 : MissDaisy_24
• Track 419 : Y10_24, Y2_24
• Track 420 : Patt_24
• Track 421 : Juliette_24
• Track 422 : Ruthiejr_23, Eponine_24
• Track 423 : YasnayaPolyana_24
• Track 424 : Taquito_22
• Track 425 : OkiRoe_21
• Track 426 : Paola_21, Feyre_21, Guillsminger_21, Waterfoul_21
• Track 427 : Leston_21
• Track 428 : InvictusManeo_21, DoubleChamp_21, Kratio_20, ViviJ_20, LilDirt_20, Agent47_21, BananenDer11_21, Collard_21
• Track 429 : Gengar_21
• Track 430 : Heftyboy_21, SoSeph_21
• Track 431 : Thyatira_21, Miryou_21
• Track 432 : Phrank_22, Tierra_22
• Track 433 : Ekdilam_20
• Track 434 : Bryler_22, Cain_22
• Track 435 : Shadow1_21
• Track 436 : Amohnition_22

• Track 437 : Unicorn_22, PhelpsODU_22
• Track 438 : Krueger_22
• Track 439 : Marshawn_24
• Track 440 : Hammy_22
• Track 441 : Applecrisp_21
• Track 442 : DarthP_22
• Track 443 : TClif_22
• Track 444 : Ximenita_23
• Track 445 : Sunflower1121_21
• Track 446 : Yuna_24
• Track 447 : November_21
• Track 448 : Amgine_21
• Track 449 : SirPhilip_22
• Track 450 : Syra333_22
• Track 451 : Ellie_20
• Track 452 : Fefferhead_22
• Track 453 : Lavahound_21
• Track 454 : Tigress9_22
• Track 455 : Aminay_21
• Track 456 : Boilgate_20
• Track 457 : Kevin1_18, Butters_18, Rubeelu_18
• Track 458 : Andies_18
• Track 459 : Smurph_18, Bosection6_18, Fulbright_18, Chewbacca_18, Journey_18, Gex_18, Schnauzer_18, Duplicity_18, Scitech_18, Melville_18, Silvy_18, Charlie_18, EGUnicorn_18, Phloss_18, Parmesanjohn_18, Silvafighter_18, Xerxes_18, Tortoise12_18, Philonius_18, Pipsqueaks_18, Cubone_18, Tessdabest_17, Magsby_18, Carcharodon_18, Tapioca_18, Aggie_18
• Track 460 : Raymond7_18
• Track 461 : Spinach_18, BabeRuth_18, Jamie19_18, Redi_18, Panchino_18, Rebel_18, Shweta_18, Phrann_18, Snekmaggedon_18, PhancyPhin_18, Nenae_18, Purgamenstris_18, Hanako_18, ShrimpFriedEgg_18, SkinnyPete_18, Impisi_19, SpongeBob_18
• Track 462 : Xeno_18
• Track 463 : MichelleMyBell_18
• Track 464 : Vagabond_56, Krili_55, Corndog_59, NiebruSaylor_55, Blessica_57, Mori_56, Shida_56, Ryadel_60, Alkhayr_56, Ashwin_58, JangDynasty_56, Familton_57, Bora_54, MadKillah_57, Winget_57, Firecracker_57, KingPhillip3_56, SchoolBus_56, Schuy_57, YungJamal_61, FoulBall_56, Vorrps_56, Wogge42_55
• Track 465 : Dylan_56, Zakhe101_56
• Track 466 : YoyoKar_54, TelAviv_53, Catdawg_56, Idergollasper_56, Zebo_56, Imara_56
• Track 467 : Murai_57
• Track 468 : Smooch_59
• Track 469 : Wildflower_56
• Track 470 : KilKor_19, CactusJack_19, Gavriela_19, Phalm_19, Glaske_19, StressBall_19, Megiddo_19
• Track 471 : Fishburne_19, Ksquared_19, Donovan_19, Chubbello_19, Bhagsy_19, PeanutPie_19, Atcoo_19, Etoile_19, GaloreK_19, Zilizebeth_19, Necropolis_19, Techage_19, Bartholomew_19, Jebeks_19, Dynamo_19, Venti_19, Brusacoram_19, FirstPlacePfu_19, Camster_19, Bunnies_19, Langerak_19, Thespis_19, Malithi_19, Sonah_19, Phineas_19, Kari_19, Juniormint_19, HUHilltop_19, StevieRay_19, Shipwreck_18, Vidya_19, Willsammy_19, Pygmy_18
• Track 472 : Arib1_19, BronnyJr_19

• Track 473 : Bogie_18, GreaseLightnin_19
• Track 474 : Majeke_19, Mangethe_19, Phegasus_19
• Track 475 : Polkaroo_19
• Track 476 : Jung_19
• Track 477 : Tortellini_18
• Track 478 : Xavia_19
• Track 479 : BigNuz_18
• Track 480 : Nazo_18
• Track 481 : Phayonce_18
• Track 482 : ThulaThula_18
• Track 483 : Purky_18
• Track 484 : Amochick_22, Amymech_22, Webster2_22, Giles_22, LilHazelnut_22, Forge_22, BloominB_22, Kinbote_22, Hadrien_22, Evanesce_22, HH92_22, Hail_22, Ein37_22, Dewey_22, Luke_22, Luna22_22, Wishmaker_22, Ubuntu_22, DeepSoil15_22, OBUpride_22, Daegal_23
• Track 485 : Gancho_21
• Track 486 : Gravaillia_22
• Track 487 : NovoPizza_20
• Track 488 : Stellammi_16
• Track 489 : PhaoMing_17
• Track 490 : WorMMAs_18
• Track 491 : Nebkiss_17, Gaia_16
• Track 492 : Bipper_24, Cracklewink_24
• Track 493 : Hilltopfarm_24, Faiyaz_24, AuntGwenStacy_24, Typha_24
• Track 494 : Rem711_25
• Track 495 : 32HC_26
• Track 496 : GMA1_19
• Track 497 : P1201_47
• Track 498 : Gudmit_18
• Track 499 : GAL1_20
• Track 500 : REQ2_20
• Track 501 : TPA4_19
• Track 502 : Gallia_42
• Track 503 : Whack_18
• Track 504 : Finkle_19
• Track 505 : ChewyVIII_56
• Track 506 : GMA4_18
• Track 507 : MooMoo_16
• Track 508 : Sleepyhead_18
• Track 509 : Mbo4_17
• Track 510 : P3MA_18
• Track 511 : Eyre_17
• Track 512 : Jace_17
• Track 513 : TinyDot_19

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

The start number called the most often in the published annotations is 114, it was called in 231 of the 1206 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_17, 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, DocMcStuffins_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, Gallia_42, Gandalph_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, Inventum_16, IrishSherpFalk_17, JalFarm20_18, James_16, Jant_16, Jarcob_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_17, 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, P1201_47, PHappiness_16, PMC_16, Pacc40_16, PatoPoderoso_16, Peridot_17, Phalconet_16, Phanphagia_16, Phasih_17, Phatniss_17, PhesterPhotato_16, Philus_16, PhlipPhlop_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, Starcevich_17, Strokeseat_16, SuperGrey_17, SwagPigglett_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, Finkle_19, Sarma624_17,

Genes that do not have the "Most Annotated" start:
• 244_26, 32HC_26, 8UZL_21, ABCat_23, APunk_36, Abblin_35, Abscondus_47, ActinUp_23, Adephagia_23, Adnama_27, Adonis_23, Adora_20, Agent47_21, Ageofdapage_23, Aggie_18, Agueybana_19, AizenPogi_18, Ali17_31, AlishaPH_23,

Alkhayr_56, AlumE_19, Amao_24, Amelie_19, AmericanBeauty_26, Amgine_21, Aminay_21, Amochick_22, Amohnition_22, Amymech_22, Anaya_24, Andies_18, Angel_18, Angelica_23, Angelique_20, Anma_23, Annalisa_20, Annihilator_18, Antonio_19, Antsirabe_18, Aphelion_48, Apiary_45, Apocalypse_23, Applecrisp_21, Applejacks_18, ArchiDore_19, Archimedes_16, Archis_20, Argent26_26, Arib1_19, Ariel_34, Aroostook_18, Arti_41, Asayake_23, Ashwin_58, Asriel_23, Atcoo_19, Atiba_23, Attis_17, AuntGwenStacy_24, Avocado_18, Avrafan_18, Ayotoya_22, AzulaCat_18, Azula_21, BAKA_34, BEEST_23, BGlluviae_23, BPs_18, BQuat_18, BabeRuth_18, BaboJay_23, Babsiella_19, BabyMoney_21, Bachita_50, BadStone_23, BaghaKamala_23, Balomoji_23, BananenDer11_21, Banquo_26, Bantam_30, Barbarian_23, Barco_19, Barkley26_18, BarrelRoll_23, Bartholomew_19, Bask21_24, BatStarr_19, BaxterFox_18, BearBQ_19, Becksu_24, BeeGee_20, Beenie_20, Beezoo_23, Begonia_20, Bella96_23, Belladonna_23, Belphegor_33, Bench_26, Bern_23, BetterKatz_22, Bhagsy_19, BiPauneto_44, Bialota_19, BigBubba_25, BigHunkinEater_38, BigNuz_18, Biglebops_19, BilboSwaggins_24, Bipper_24, Birdsong_19, Bjanes7_17, Blessica_57, BlingBling_19, Blino_19, Blizzard_23, BloominB_22, BlueNGold_100, Blueberry_21, Bluvara_19, Bobby_38, Bobquesha_25, Bock_22, Bogg_24, Bogie_18, Boiiii_23, Boilgate_20, Bombitas_33, Bonum_44, Boopy_101, BoostSeason_19, Bora_54, Bosection6_18, Bosnia_19, BoyNamedSue_19, Bradissa_20, Braxoaddie_45, Brewer_24, BritBrat_20, BronnyJames_28, BronnyJr_19, BruceB_18, Bruin_24, Brujita_19, Brusacoram_19, BrutonGaster_36, Bryler_22, Brylie_22, Buck_23, Budgie_26, Buggaboo_42, BugsBunny_22, Bunnies_19, Bunnybear_18, Butters_18, C3PO_31, CLED96_18, CREW_23, CactusJack_19, Cactus_25, Cain_22, CallaLilly_23, Cambiare_19, Camri_18, Camster_19, Capricorn_23, CaptainKirk2_19, Carcharodon_18, Cardigan_46, CarolAnn_19, CaseJules_23, Cashline_20, CassieYates_18, Catdawg_56, Catfish_22, Cedasite_18, Chance64_18, Chancellor_24, Charlie_18, Chavito_23, CheeseSpider_21, CheetoDust_23, Cheetobro_24, Cherrybomb426_18, Chewbacca_18, ChewyVIII_56, Chickadee_32, Chop_22, ChosenOne_23, ChotaBhai_24, Chris_22, Chubbello_19, Cjw1_24, Clap_17, Clark_20, Clipper_23, Cloudyecho_18, ClubL_48, CoffeeBean_45, Coleslaw_18, Collard_21, Command613_25, Commandaria_43, Confidence_20, Constella_31, Contagion_23, Cookies_24, Corndog_59, Courthouse_34, Cracklewink_24, Crespo_18, CrimD_23, Cruella_31, CrystalP_24, Cubone_18, Cucurbita_50, Culver_48, Curiosium_24, Cynthia_17, Czyszczon1_25, DMoney_18, DNAIII_0018, Daegal_23, Daikon_22, Dalilpop_46, Dalmuri_23, DanSyl44_25, Dardanus_24, Daredevil_29, Darionha_18, DartGoblin_23, DarthP_22, Dartin_23, Darwin_34, DatBoi_31, DearBasketball_21, Deby_23, DeepSoil15_22, DelRio_23, Delian_19, Delrey21_34, Denise_17, Devera_23, Dewey_22, Dexdert_33, Dillpickles_20, DingDing_18, DinoDaryn_24, DinoNuggs_19, DismalFunk_19, DismalStressor_19, DmpstrDiver_35, DobbysSock_19, DoctorDiddles_24, DoctorFroggo_34, Dogfish_21, Dole_23, Dolores_20, DonkeyMan_18, Donovan_19, Dorito_19, DoubleChamp_21, Doughnut_19, Dove_34, DrDrey_25, DrHayes_23, Dumbo_24, DumpsterDude_19, Duplicity_18, Durfee_23, Dusk_23, Dusty_47, Dylan_56, Dynamo_19, ECartman_18, EGUnicorn_18, EMoore_31, EMsquaredA_20, Easley_20, Easy2Say_26, Ebert_17, Ecliptus_24, EdmundFerry_31, EdnaMode_17, Efra2_23, Ein37_22, Ejimix_37, Ekdilam_20, Elite2014_23, Ellie_20, Elph10_25, Emerson_23, Emianna_41, Emmina_25, EnalisNailo_20, Engineer_49, Enkosi_19, Ennea_47, Eponine_24, Etoile_19, Eudoria_19, Eureka_24, Evanesce_22, Eviarto_19, Ewald_22, Eyre_17, FF47_21, Fairfaxidum_19, FairyPath_24, Faith5x5_17, Faiyaz_24, Familton_57, Fefferhead_22, Fenry_18, Feyre_21, Filch_25, Findley_19, Fionnbharth_24, FireRed_24, Firecracker_57, FirstPlacePfu_19, Fishburne_19, FlagStaff_18, Flapper_45, Float294_43, Floral_20, Flypotenuse_22,

FoghornLeghorn_23, ForeverHowLong_18, Forge_22, Forza_101, FoulBall_56, Foxboro_42, Francois_22, Frizzle_16, FroggyToad_17, Frokostdame_19, Frosty24_18, Fulbright_18, Fury_50, GAL1_20, GMA1_19, GMA2_30, GMA4_18, GRU1_31, GTE5_32, GTE6_32, GTE8_30, Gage_26, Gagieri_45, Gaia_16, GaloreK_19, Gambino_21, Gancho_21, Ganymede_24, Gator_22, Gavriela_19, Geeche_47, GemG_17, Gemini_27, Gengar_21, Geraldini_23, Gex_18, Ghobes_16, Gideon_18, Giles_22, Gizermo_17, Glaske_19, Glexan_22, GodSpeed_18, GodonK_89, Goib_23, Goku_24, GoldenAsh_18, GoldenSpark_26, Goldilocks_25, Gomashi_18, Gonephishing_32, GooberAzure_26, GrandSlam_22, Gravaillia_22, GreaseLightnin_19, Greep_25, Grizzly_18, GrootJr_43, Gsput1_20, Guacamole_19, Guanica15_23, Gudmit_18, Guillsminger_21, Gustav_18, HC_19, HH92_22, HUHilltop_19, Hadrien_22, Hail_22, Haley23_17, Halo_18, Hammy_22, Hamood_22, HanKaySha_25, Hanako_18, Hannaconda_31, Hans_35, Harella_23, HedwigODU_23, Heftyboy_21, Heinz_18, Henry_24, Herod_19, Hibiscus_18, Hidrated_37, Highbury_25, Hilltopfarm_24, Hitter_19, Holt_25, HomeFry_47, Homura_23, Hoonter_26, Hope_18, Hopey_26, Hortense_20, Hotshotbaby7_18, Howe_20, HubbaBubba_39, HufflyPuff_23, Huffy_24, Hughesyang_35, Hugley_19, Hurricane_22, Hyperbowlee_23, Hyzer_19, IDyn_42, IHOP_24, Icee_23, IdentityCrisis_17, Idergollasper_56, Illumine_23, Imara_56, Impisi_19, InLimbo_19, Inca_23, Inky_23, Inspectinfecti_34, Invectra_20, InvictusManeo_21, Island3_19, JAWS_23, JCole_17, JF1_24, Jablanski_20, Jace_17, JacoRen57_17, Jalammah_21, Jalleen_18, Jamie19_18, Jane_18, JangDynasty_56, Jarvi_23, JasperJr_19, Jayhawk_23, JeTaime_26, Jebeks_19, Jeckyll_23, Jeilious_18, Jifall16_40, Jojo24_18, Jolene_18, Jolie2_18, JonJames_47, Jonghyun_18, JorRay_18, Journey_18, Joy99_23, JuJu_19, Juliette_24, Jung_19, Juniormint_19, JustASigh_18, Kabluna_44, Kalah2_37, Kanye_26, KappaFarmDelta_19, Kareem_18, Kari_19, Kasen3_18, KashFlow_28, Keshu_22, Kevin1_18, Kheparia_25, KiSi_22, KidneyBean_41, KilKor_19, Kimchi1738_31, Kimchi_26, Kinbote_22, KingPhillip3_56, Kita_19, Klein_37, Kostya_24, Kratio_20, Kraw_24, Krili_55, Krueger_22, Ksquared_19, Kurt_41, Kuwabara_19, Kwekel_32, Lamberg_17, Langerak_19, LastHope_23, LaterM_23, Lavahound_21, LeMond_22, Lea83_22, Lebo14_24, Lemuria_19, Leonard_33, Leston_21, Liefie_18, LilDirt_20, LilHazelnut_22, LilPharaoh_19, Lilac_26, Lilas_20, Lilbeanie_30, Lilizi_26, Lilpickle_23, LindNT_23, LittleE_37, Livelaughbron_24, Llorens_23, Lokum_23, Lollipop1437_46, LonelyBoi_20, LongHai_22, LordFarquaad_17, LouisV14_18, Lozinak_48, Lton_17, Lucky10_18, Lucky2013_34, Luke_22, Luna22_22, LunaStella_18, Lunahalos_23, Lysidious_20, MISSy_23, MPhalcon_23, MZKinsey_18, MacGully_50, MacKat_23, MacnCheese_23, Maco6_19, MadKillah_57, MadamMonkfish_24, Madavieve_19, Madeline_19, Magsby_18, Mahdia_18, Majeke_19, MakCheese_20, Malachai_20, MalagasyRose_24, Malibo_20, Maliketh_18, Malithi_19, Malthus_25, Manasvini_19, Manda_25, Mangethe_19, Manilisa_23, Marcoliusprime_19, Mareelih_99, Maridalia_18, Marietta_43, MarkPhew_23, Marleymoo_41, Marmie_18, Marshawn_24, Marshmallow_24, Marteena_20, Maselop_45, Matteo_17, Maxxinista_25, Mbo4_17, McMater_23, Mcklovin_20, Mdavu_19, MeaningOfLife_23, Megiddo_19, Megsy_23, MelBins_34, Melba_19, Mellie_18, Melville_18, MerCougar_42, Mercurio_20, Meyran_21, MiaZeal_34, MichaelScott_20, MichelleMyBell_18, Milly_19, Mindy_24, Minerva_37, Miniwave_24, MintFen_19, Miryou_21, Misfit_24, Miskis_46, MissDaisy_24, MissRona_21, Mitti_24, Mocha12_17, Moldemort_25, MollyToe_24, Mollymur_31, MooMoo_16, Moosehead_17, Mori_56, Morkie_18, Morrissey_19, MortyNRick_19, Mosby_23, Mowgli_18, Muddy_21, Mufasa_19, Mulch_22, Murai_57, Murica_23, Murp_19, Murphy_25, Murucutumbu_23, Mynx_23, Myrale_24, Nadeem_22, NadineRae_41, Nala_24, NancyRae_22, NatB6_41, Natkenzie_35,

Nazo_18, Nebkiss_17, Necropolis_19, Nekros_34, NelitzaMV_24, Nenae_18, Neobush_19, Neoh_18, Nergal_22, Nettuno_17, Nibb_22, Nibley_29, NiebruSaylor_55, Nikao_19, Niklas_23, Nimrod_24, Nitzel_17, NoShow_18, NoSleep_25, Nolwazi_25, NonchalantPear_24, Norvs_49, NosilaM_44, November_21, NovoPizza_20, NovumRegina_41, Nutello_19, Nyceirae_23, Nymphadora_19, OBUpride_22, ODay_25, Obliviate_18, OctaviousRex_18, Odette_36, Ohgeesy_19, OkiRoe_21, Olga_18, Omega_36, OmniCritical_24, OneDirection_17, OneUp_42, Optimus_35, Oregano_20, OrionPax_25, Oscar_22, Outis_42, P3MA_18, PCoral7_19, Pace1224_18, PaddyBaddy_25, Padfoot_23, Padpat_23, PaintedDog_18, Paito_18, Palpatine_24, Panchino_18, PantheRoc_19, Paola_21, Paperbeatsrock_26, Parada_22, Parmesanjohn_18, Pat3_23, Patio_44, Patt_24, Peanam_23, PeanutPie_19, Peeb_18, Peel_23, Pemberton_44, Pepperoni_17, Periodt_18, PeteyPab_33, Petra64142_26, Petra_21, Phaja_24, Phalm_19, PhancyPhin_18, PhaoMing_17, Pharb_22, Pharsalus_25, PhatBacter_24, Phauci_26, Phaux_23, Phayonce_18, Phegasus_19, PhelpsODU_22, Phendrix_87, Philonius_18, Phinally_33, Phineas_19, PhinkBoden_48, Phish_18, Phishy_22, Phloodle_18, Phloss_18, Phoebus_36, Phomeo_40, PhorbesPhlower_18, Phrank_22, Phrann_18, Phreak_18, PhriskyACE_19, PhrostedPhlake_20, Phrux_24, Piatt_23, Pickett_17, Pimento_23, PinkYoshi_18, Pinnie_19, Pipp_19, Pipsqueaks_18, Pisa1_22, Pisa4_22, Pixie_22, Plagueis_18, Pleakley_50, Pokerus_22, Policronamos_24, Polkaroo_19, Pollux_20, Polly_19, Polyyuki_45, Porcelain_33, Porky_24, Posh_20, PotatoChip_34, Powerball_19, Primanti_18, PrincePatrick_19, Prithvi_23, Ptowny_24, Pumpkin_26, Pumpkiney_36, Puppers_18, Purgamenstris_18, Purky_18, Pygmy_18, Pytheas_20, Qhanda_25, Quallification_25, QueenHazel_19, QuincyRose_22, REQ2_20, Rabbs_18, Rakim_25, Ramen_23, Rapunzel97_23, Rattrick_18, RavenCo17_17, Raymond7_18, Rearden_31, Rebel_18, RedRaider_48, Redi_18, Redno2_35, Rem711_25, Remy19_18, Renaissance_18, Reptar3000_24, Reyja_19, Richarlison_18, Richo_23, Rimmer_23, RiverMonster_24, Rizz_23, RoadKill_30, Rosmarinus_23, Rubeelu_18, Ruriko_18, Ruthiejr_23, Ruthy_19, Ryadel_60, Sahara_17, Saints25_25, Salvus_22, SamScheppers_22, Samba_19, Samman98_20, Sampson_35, SamuelLPlaqson_23, Santhid_18, Sapo_16, Sassay_23, Savage_17, Scarlett_22, Schatzie_34, Schiebel_18, Schmidt_20, Schnauzer_18, SchoolBus_56, Schuy_57, Scioto_35, Scitech_18, Scuba_50, Sekhmet_20, SgtBeansprout_19, ShaboiShabazz_18, Shaboozey_28, Shadow1_21, ShamWow_24, Shaobing_23, ShedlockHolmes_22, ShereKhan_26, ShiaSurprise_23, Shida_56, Shipwreck_18, Shlim410_20, ShrimpFriedEgg_18, Shweta_18, Sidious_19, Silvafighter_18, Silvy_18, Simpliphy_25, SirDuracell_23, SirPhilip_22, Sixama_99, Sizemore_18, SkinnyPete_18, Skysand_43, Slarp_24, Sleepyhead_18, Slimphazie_23, Smooch_59, Smoothie_49, Smurph_18, Sneeze_18, Snekmaggedon_18, SoSeph_21, SoilAssassin_17, Soilmate_19, Sonah_19, SophKB_24, Sotrice96_24, SpeedDemon_320, Spinach_18, Splinter_22, Spock_23, SpongeBob_18, Sprinklemunch_18, Sproutie_17, Squint_33, Stank_27, StarStruck_42, Stargaze_18, Stark_25, StellaBean_24, Stellammi_16, StevieRay_19, Stickynote_33, Stinson_23, StolenFromERC_26, StormChicken_24, StressBall_19, Strobilo_19, Suerte_18, Sukkupi_43, Sulley_23, Sunflower1121_21, SuperSulley_42, Superphikiman_34, Suscepit_19, SushiChef_20, SussRoloMann_22, Sweets_18, Syra333_22, TBond007_22, TBrady12_26, TChen_17, TClif_22, TM4_19, TPA4_19, TZGordon_24, Tachez_23, Taheera_18, TaiwanKao_24, Tapioca_18, Taquito_22, Tardus_36, Tarkin_26, Tarzan_18, Tayonia_19, TeamEdward_24, TeardropMSU_23, Teaspoon_25, Techage_19, Teejan_19, TelAviv_53, Terminus_24, Terralys_18, Terror_18, Tessdabest_17, ThankyouJordi_18, Thespis_19, Thibault_33, Thimann_20, Thimble_24, ThreeRngTarjay_35, Thresher_25, ThulaThula_18,

Thyatira_21, Tiamoceli_33, Tierra_22, Tigress9_22, TimTam_19, TinaBug_18, TinaLin_25, TingHuaYa_23, TiniBug_23, TinyDot_19, Tiri_23, Toast_19, TomBrady_18, Tomaszewski_23, Toniann_48, Topper_23, Torres_19, Tortellini_18, Tortoise12_18, Toto_24, Towmatter_28, Traaww1_22, Tracker_41, TreyKay_23, TribleTrouble_21, Trice_19, Trine_18, TruffulaTree_23, Trumpet_19, Tuco_25, TuertoX_17, Turuncu_45, Tuti_20, Twinkle_20, Twitch_23, Twonlo_30, Typha_24, Ubuntu_22, Ukulele_24, UmaThurman_19, Unicorn_22, Upyo_18, Urkel_23, Utz_19, Vagabond_56, Validus_23, Vasanti_17, Veliki_23, Vendetta_22, Venti_19, Verity_34, ViaConlectus_35, Vidya_19, ViviJ_20, Vordorf_22, Vorrps_56, WST1_18, Walrus_20, Wanda_37, Waterfoul_21, Webster2_22, Weirdo19_19, WelcomeAyanna_18, Wendigo_18, Whack_18, WheatThin_22, Wheezy_41, Whiteclaw_17, WhoseManz_43, Widow_18, Wiggin_27, Wildflower_56, Willez_23, WilliamBoone_48, William_19, Willsammy_19, Winget_57, WinkNick_20, Wintermute_24, Wishmaker_22, Wisp_18, Wocket_20, Wogge42_55, WorMMAs_18, Wrigley_20, Xandras_26, Xavia_19, Xeno_18, Xerxes_18, Ximenita_23, Xula_18, Y10_24, Y2_24, YangYin_18, YasnayaPolyana_24, YassJohnny_25, Yeet412_17, Yeezy_20, Yinzer_17, Yndexa_43, Youngblood_24, YoureAdopted_22, YoyoKar_54, Yuna_24, YungJamal_61, Yunkel11_23, Yvonnetastic_45, Zabiza_23, Zakhe101_56, Zameen_19, Zarbodnamra_19, Zavala_23, Zebo_56, Zelink_38, ZiggyZoo_18, Zilizebeth_19, Zilla_19, Zion_34, Zipp_34, Zirinka_19, Zitch_36, ZoMa_18, Zodiariah_18, ZoeJ_19, Zombie_18, xkcd_25,

Summary by start number:

Start 44:
• Found in 6 of 1314 (0.5%) of genes in pham
• No Manual Annotations of this start.
• Called 16.7% of time when present
• Phage (with cluster) where this start called: FF47_21 (AB),

Start 47:
• Found in 6 of 1314 (0.5%) of genes in pham
• Manual Annotations of this start: 6 of 1206
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AuntGwenStacy_24 (Y), Bipper_24 (Y), Cracklewink_24 (Y), Faiyaz_24 (Y), Hilltopfarm_24 (Y), Typha_24 (Y),

Start 54:
• Found in 8 of 1314 (0.6%) of genes in pham
• Manual Annotations of this start: 4 of 1206
• Called 87.5% of time when present
• Phage (with cluster) where this start called: 8UZL_21 (AB), JacoRen57_17 (AB), LongHai_22 (AB), Maco6_19 (AB), Muddy_21 (AB), NoShow_18 (AB), Salvus_22 (AB),

Start 56:
• Found in 2 of 1314 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 1206
• Called 100.0% of time when present
• Phage (with cluster) where this start called: MalagasyRose_24 (AG), Nergal_22 (AG),

Start 58:

• Found in 1 of 1314 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1206
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Yuna_24 (K6),

Start 59:
• Found in 1 of 1314 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1206
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Mercurio_20 (G4),

Start 60:
• Found in 2 of 1314 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 1206
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Lemuria_19 (G4),

Start 64:
• Found in 65 of 1314 (4.9%) of genes in pham
• Manual Annotations of this start: 1 of 1206
• Called 1.5% of time when present
• Phage (with cluster) where this start called: Amgine_21 (K6),

Start 67:
• Found in 1 of 1314 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1206
• Called 100.0% of time when present
• Phage (with cluster) where this start called: NovoPizza_20 (Q),

Start 70:
• Found in 2 of 1314 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GAL1_20 (singleton), PhaoMing_17 (UNK),

Start 73:
• Found in 18 of 1314 (1.4%) of genes in pham
• Manual Annotations of this start: 2 of 1206
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Gaia_16 (X), Nebkiss_17 (X),

Start 75:
• Found in 1 of 1314 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 1206
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Stellammi_16 (UNK),

Start 77:
• Found in 163 of 1314 (12.4%) of genes in pham
• Manual Annotations of this start: 26 of 1206
• Called 17.8% of time when present

• Phage (with cluster) where this start called: Amohnition_22 (K6), BQuat_18 (G1), CLED96_18 (G1), Camri_18 (G1), Chance64_18 (G1), Cherrybomb426_18 (G1), DNAIII_0018 (G1), Ekdilam_20 (K6), ForeverHowLong_18 (G1), Frosty24_18 (G1), Grizzly_18 (G1), Hotshotbaby7_18 (G1), Jane_18 (G1), Jonghyun_18 (G1), Kasen3_18 (G1), Krueger_22 (K6), LeMond_22 (K1), Olga_18 (G1), Phish_18 (G1), PinkYoshi_18 (G1), Primanti_18 (G1), Rabbs_18 (G1), Remy19_18 (G1), Scarlett_22 (K1), Sizemore_18 (G1), Sneeze_18 (G1), Sweets_18 (G1), Terralys_18 (G1), YasnayaPolyana_24 (K4),

Start 80:
• Found in 75 of 1314 (5.7%) of genes in pham
• Manual Annotations of this start: 43 of 1206
• Called 61.3% of time when present
• Phage (with cluster) where this start called: 32HC_26 (Z), Amochick_22 (Q), Amymech_22 (Q), BloominB_22 (Q), Bobquesha_25 (K4), BoostSeason_19 (K2), Daegal_23 (Q), DeepSoil15_22 (Q), Dewey_22 (Q), DismalFunk_19 (K2), DismalStressor_19 (K2), Doughnut_19 (K2), Ein37_22 (Q), Evanesce_22 (Q), Fefferhead_22 (K6), Findley_19 (K2), Forge_22 (Q), Gancho_21 (Q), Giles_22 (Q), Gravaillia_22 (Q), HH92_22 (Q), Hadrien_22 (Q), Hail_22 (Q), Juliette_24 (K4), JustASigh_18 (AH), KiSi_22 (K1), Kinbote_22 (Q), LilHazelnut_22 (Q), Luke_22 (Q), Luna22_22 (Q), Marcoliusprime_19 (K2), Milly_19 (K2), MissDaisy_24 (K4), Mufasa_19 (K2), OBUpride_22 (Q), Oscar_22 (K1), Rem711_25 (Z), Reptar3000_24 (K4), Strobilo_19 (K2), TM4_19 (K2), Taquito_22 (K4), Ubuntu_22 (Q), Webster2_22 (Q), Weirdo19_19 (AH), Wishmaker_22 (Q), ZoeJ_19 (K2),

Start 81:
• Found in 10 of 1314 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 1206
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Sixama_99 (DS),

Start 82:
• Found in 181 of 1314 (13.8%) of genes in pham
• Manual Annotations of this start: 156 of 1206
• Called 92.8% of time when present
• Phage (with cluster) where this start called: ActinUp_23 (K1), Adephagia_23 (K1), Adonis_23 (K1), Ageofdapage_23 (K1), AlishaPH_23 (K1), Amelie_19 (K1), Aminay_21 (K7), Anaya_24 (K1), Angelica_23 (K1), Anma_23 (K1), Apocalypse_23 (K1), Applecrisp_21 (K6), Asayake_23 (K1), Atiba_23 (K1), BEEST_23 (K1), BGlluviae_23 (K1), BaghaKamala_23 (K1), BarrelRoll_23 (K1), Beezoo_23 (K1), Bella96_23 (K1), Belladonna_23 (K1), Bern_23 (K1), Biglebops_19 (K1), Blizzard_23 (K1), Boiiii_23 (K1), Boilgate_20 (K8), Bryler_22 (K6), CREW_23 (K1), Cain_22 (K6), CallaLilly_23 (K1), Capricorn_23 (K1), CaseJules_23 (K1), Chancellor_24 (K4), Chavito_23 (K1), CheetoDust_23 (K1), Cheetobro_24 (K4), Chris_22 (K1), Clipper_23 (K1), CrimD_23 (K1), Curiosium_24 (K1), Dalmuri_23 (K1), DanSyl44_25 (K4), DartGoblin_23 (K1), DarthP_22 (K6), Dartin_23 (K1), Deby_23 (K1), Devera_23 (K1), Dole_23 (K1), DrHayes_23 (K1), Durfee_23 (K1), Efra2_23 (K1), Ellie_20 (K6), Emerson_23 (K1), Enkosi_19 (K1), Eponine_24 (K4), Fionnbharth_24 (K4), Ganymede_24 (K1), Geraldini_23 (K1), Guanica15_23 (K1), Hammy_22 (K6), HedwigODU_23 (K1), Homura_23 (K1), Hurricane_22 (K3), Hyperbowlee_23 (K1), Illumine_23 (K1), Inky_23 (K1), JAWS_23 (K1), JF1_24 (K4), Jarvi_23 (K1), Jayhawk_23 (K1), Jeckyll_23 (K1), Joy99_23 (K1), Keshu_22 (K3), Kheparia_25 (K1), Kraw_24 (K4), LastHope_23 (K1), LaterM_23 (K1), Lavahound_21 (K6), Lea83_22

(K3), Lebo14_24 (K4), LilPharaoh_19 (K1), LindNT_23 (K1), Llorens_23 (K1), Lokum_23 (K1), Lunahalos_23 (K1), MacKat_23 (K1), MacnCheese_23 (K3), Malthus_25 (K4), MarkPhew_23 (K1), Marshawn_24 (K6), McMater_23 (K1), Mdavu_19 (K1), MeaningOfLife_23 (K1), Megsy_23 (K1), Mitti_24 (K4), Murucutumbu_23 (K1), Mynx_23 (K1), Nibb_22 (K1), Nikao_19 (K1), Niklas_23 (K1), Nolwazi_25 (K4), November_21 (K6), Nutello_19 (K1), OmniCritical_24 (K4), P3MA_18 (singleton), Padfoot_23 (K1), Padpat_23 (K1), Patt_24 (K4), Peanam_23 (K1), Peel_23 (K1), Pharb_22 (K3), PhelpsODU_22 (K6), Phrank_22 (K6), Piatt_23 (K1), Pisa1_22 (K1), Pisa4_22 (K1), Pixie_22 (K3), Pokerus_22 (K1), Prithvi_23 (K1), Qhanda_25 (K4), QuincyRose_22 (K1), Ramen_23 (K1), Rapunzel97_23 (K1), Richo_23 (K1), Rosmarinus_23 (K1), Ruthiejr_23 (K4), SamScheppers_22 (K4), SamuelLPlaqson_23 (K1), SgtBeansprout_19 (K1), Shadow1_21 (K6), Shaobing_23 (K1), ShedlockHolmes_22 (K3), ShiaSurprise_23 (K1), SirPhilip_22 (K6), Slarp_24 (K4), Slimphazie_23 (K1), Spock_23 (K1), Stinson_23 (K1), Sulley_23 (K1), Sunflower1121_21 (K6), Syra333_22 (K6), TBond007_22 (K3), TClif_22 (K6), Tachez_23 (K1), TaiwanKao_24 (K1), Teejan_19 (K1), Tierra_22 (K6), Tigress9_22 (K6), TingHuaYa_23 (K1), TiniBug_23 (K1), Tiri_23 (K1), Topper_23 (K1), Torres_19 (K1), TreyKay_23 (K1), TribleTrouble_21 (K3), Trice_19 (K1), TruffulaTree_23 (K1), Twitch_23 (K1), Unicorn_22 (K6), Urkel_23 (K1), Validus_23 (K1), Veliki_23 (K1), Wintermute_24 (K4), Ximenita_23 (K6), YoureAdopted_22 (K1), Yunkel11_23 (K1), Zabiza_23 (K1), Zavala_23 (K1),

Start 84:
• Found in 1 of 1314 (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: TPA4_19 (singleton),

Start 87:
• Found in 64 of 1314 (4.9%) of genes in pham
• Manual Annotations of this start: 18 of 1206
• Called 29.7% of time when present
• Phage (with cluster) where this start called: Agent47_21 (K5), BananenDer11_21 (K5), Collard_21 (K5), DoubleChamp_21 (K5), Feyre_21 (K5), Gengar_21 (K5), Guillsminger_21 (K5), Heftyboy_21 (K5), InvictusManeo_21 (K5), Kratio_20 (K5), Leston_21 (K5), LilDirt_20 (K5), Miryou_21 (K5), OkiRoe_21 (K5), Paola_21 (K5), SoSeph_21 (K5), Thyatira_21 (K5), ViviJ_20 (K5), Waterfoul_21 (K5),

Start 89:
• Found in 53 of 1314 (4.0%) of genes in pham
• Manual Annotations of this start: 2 of 1206
• Called 3.8% of time when present
• Phage (with cluster) where this start called: Murai_57 (O), Wildflower_56 (O),

Start 90:
• Found in 45 of 1314 (3.4%) of genes in pham
• Manual Annotations of this start: 2 of 1206
• Called 4.4% of time when present
• Phage (with cluster) where this start called: Bogie_18 (P1), GreaseLightnin_19 (P1),

Start 91:
• Found in 18 of 1314 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 1206

• Called 5.6% of time when present
• Phage (with cluster) where this start called: BritBrat_20 (CY2),

Start 94:
• Found in 35 of 1314 (2.7%) of genes in pham
• Manual Annotations of this start: 30 of 1206
• Called 91.4% 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_56 (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), Vorrps_56 (O), Winget_57 (O), Wogge42_55 (O), YoyoKar_54 (O), YungJamal_61 (O), Zakhe101_56 (O), Zebo_56 (O),

Start 97:
• Found in 105 of 1314 (8.0%) of genes in pham
• Manual Annotations of this start: 61 of 1206
• Called 59.0% of time when present
• Phage (with cluster) where this start called: AizenPogi_18 (G1), Angel_18 (G1), Annihilator_18 (G1), Antsirabe_18 (G5), Aroostook_18 (G1), Avocado_18 (G2), Avrafan_18 (G1), AzulaCat_18 (G1), BPs_18 (G1), Barkley26_18 (G1), BruceB_18 (G1), Cambiare_19 (G2), CassieYates_18 (G1), Cedasite_18 (G1), Cloudyecho_18 (G3), Coleslaw_18 (G1), Crespo_18 (G1), DMoney_18 (G1), Darionha_18 (G1), DingDing_18 (G1), ECartman_18 (G1), Gideon_18 (G1), GodSpeed_18 (G2), GoldenAsh_18 (G1), Gomashi_18 (G1), Halo_18 (G1), Hope_18 (G1), Jeilious_18 (G), Jolene_18 (G1), JorRay_18 (G1), Kareem_18 (G1), Liefie_18 (G1), LouisV14_18 (G1), MZKinsey_18 (G1), Maliketh_18 (G1), Marmie_18 (G1), Mowgli_18 (G1), Neoh_18 (G), OctaviousRex_18 (G1), Paito_18 (G1), Peeb_18 (G1), Periodt_18 (G1), Phloodle_18 (G1), Phreak_18 (G1), Pinnie_19 (G3), Plagueis_18 (G1), Rattrick_18 (G1), Renaissance_18 (G1), Richarlison_18 (G1), Ruriko_18 (G1), Schiebel_18 (G1), ShaboiShabazz_18 (G1), Stargaze_18 (G5), TChen_17 (F4), Taheera_18 (G1), Terror_18 (G1), TinaBug_18 (G1), TomBrady_18 (G1), Wendigo_18 (G1), YangYin_18 (G5), ZoMa_18 (G1), Zombie_18 (G1),

Start 98:
• Found in 4 of 1314 (0.3%) of genes in pham
• Manual Annotations of this start: 3 of 1206
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Cardigan_46 (DD), JonJames_47 (DD), Yvonnetastic_45 (DD),

Start 100:
• Found in 19 of 1314 (1.4%) of genes in pham
• Manual Annotations of this start: 3 of 1206
• Called 21.1% of time when present
• Phage (with cluster) where this start called: FlagStaff_18 (G2), Pace1224_18 (G2), Y10_24 (K4), Y2_24 (K4),

Start 102:
• Found in 7 of 1314 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 1206

• Called 28.6% of time when present
• Phage (with cluster) where this start called: IdentityCrisis_17 (AJ), WST1_18 (AJ),

Start 103:
• Found in 226 of 1314 (17.2%) of genes in pham
• Manual Annotations of this start: 1 of 1206
• Called 0.4% of time when present
• Phage (with cluster) where this start called: Mollymur_31 (DL),

Start 104:
• Found in 18 of 1314 (1.4%) of genes in pham
• Manual Annotations of this start: 17 of 1206
• 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 105:
• Found in 9 of 1314 (0.7%) of genes in pham
• No Manual Annotations of this start.
• Called 11.1% of time when present
• Phage (with cluster) where this start called: Applejacks_18 (CD),

Start 107:
• Found in 62 of 1314 (4.7%) of genes in pham
• Manual Annotations of this start: 54 of 1206
• Called 95.2% of time when present
• Phage (with cluster) where this start called: Arib1_19 (P1), Atcoo_19 (P1), Bantam_30 (DL), 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), Daredevil_29 (DL), DatBoi_31 (DL), 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), SpeedDemon_320 (DL), StevieRay_19 (P1), StressBall_19 (P1), Techage_19 (P1), Thespis_19 (P1), ThulaThula_18 (P5), Tortellini_18 (P2), Towmatter_28 (DL), Venti_19 (P1), Vidya_19 (P1), Willsammy_19 (P1), Xavia_19 (P3), Zilizebeth_19 (P1),

Start 109:
• Found in 54 of 1314 (4.1%) of genes in pham
• Manual Annotations of this start: 43 of 1206
• Called 90.7% of time when present
• Phage (with cluster) where this start called: Arti_41 (CR2), BabyMoney_21 (DT), 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), Manilisa_23 (DT), MerCougar_42 (CR2), NadineRae_41 (CR4), NatB6_41 (CR2), NosilaM_44 (CR2), NovumRegina_41 (CR2), Nyceirae_23 (DT), Outis_42 (CR2), Patio_44 (CR3), Pemberton_44 (CR4), Phishy_22 (DT), 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), Vordorf_22 (DT), Wheezy_41 (CR2), WhoseManz_43 (CR4), Yndexa_43 (CR4),

Start 110:
• Found in 35 of 1314 (2.7%) of genes in pham
• Manual Annotations of this start: 31 of 1206
• Called 94.3% 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), Gustav_18 (CD), InLimbo_19 (DH), Jablanski_20 (CY3), Kuwabara_19 (DN4), Lilas_20 (CY1), LonelyBoi_20 (CY7), Lucky10_18 (DH), Mahdia_18 (CD), Marteena_20 (CY1), Morkie_18 (DH), MortyNRick_19 (DN), ODay_25 (DN), PhorbesPhlower_18 (DH), Pollux_20 (CY1), Posh_20 (CY4), Puppers_18 (CD), Pytheas_20 (CY3), Trine_18 (CD), Upyo_18 (CD), Widow_18 (CD), WorMMAs_18 (UNK), Wrigley_20 (CY4),

Start 111:
• Found in 77 of 1314 (5.9%) of genes in pham
• No Manual Annotations of this start.
• Called 1.3% of time when present
• Phage (with cluster) where this start called: Jolie2_18 (G4),

Start 112:
• Found in 4 of 1314 (0.3%) of genes in pham
• Manual Annotations of this start: 4 of 1206
• 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 113:
• Found in 40 of 1314 (3.0%) of genes in pham
• Manual Annotations of this start: 31 of 1206
• Called 95.0% 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_37 (J), Hughesyang_35 (J), Kalah2_37 (J), KashFlow_28 (J), Klein_37 (J), LittleE_37 (J), Lucky2013_34 (J), Malibo_20 (DW), 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 114:

• Found in 249 of 1314 (18.9%) of genes in pham
• Manual Annotations of this start: 231 of 1206
• Called 98.8% 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_17 (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), Gallia_42 (singleton), Gandalph_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), KingMidas_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_17 (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 (F7), 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), P1201_47 (singleton), PHappiness_16 (F1), PMC_16 (F1), Pacc40_16 (F1), PatoPoderoso_16 (F1), Peridot_17 (F1), Phalconet_16 (F1), Phanphagia_16 (F1), Phasih_17 (F1), Phatniss_17 (F1), PhesterPhotato_16 (F1), Philus_16 (F1), PhlipPhlop_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), Starcevich_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 115:
• Found in 10 of 1314 (0.8%) of genes in pham
• Manual Annotations of this start: 7 of 1206
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DearBasketball_21 (DY), DinoNuggs_19 (DY), DonkeyMan_18 (DY), GMA2_30 (DS), Heinz_18 (DY), Hibiscus_18 (DY), Jojo24_18 (DY), Reyja_19 (DY), Santhid_18 (DY), Tarzan_18 (DY),

Start 116:
• Found in 2 of 1314 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 1206
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Nitzel_17 (F1),

Start 117:
• Found in 8 of 1314 (0.6%) of genes in pham
• Manual Annotations of this start: 8 of 1206
• Called 100.0% 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 118:
• Found in 7 of 1314 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 1206
• Called 14.3% of time when present
• Phage (with cluster) where this start called: ChewyVIII_56 (singleton),

Start 119:
• Found in 195 of 1314 (14.8%) of genes in pham
• Manual Annotations of this start: 132 of 1206
• Called 69.2% of time when present
• Phage (with cluster) where this start called: 244_26 (E), ABCat_23 (E), Adnama_27 (E), Aggie_18 (N), Amao_24 (E), AmericanBeauty_26 (E), Andies_18 (N), Argent26_26 (E), BabeRuth_18 (N), BaboJay_23 (E), BadStone_23 (E), Balomoji_23 (E), BigBubba_25 (E), Bosection6_18 (N), Brewer_24 (E), Buck_23 (E), Budgie_26 (E), Butters_18 (N), Cactus_25 (E), Carcharodon_18 (N), Charlie_18 (N), Chewbacca_18 (N), ChosenOne_23 (E), Command613_25 (E), Contagion_23 (E), Cookies_24 (E), CrystalP_24 (E), Cubone_18 (N), Czyszczon1_25 (E), DrDrey_25 (E), Duplicity_18 (N), Dusk_23 (E), EGUnicorn_18 (N), Elite2014_23 (E), Elph10_25 (E), Eureka_24 (E), FairyPath_24 (E), Filch_25 (E), Fulbright_18 (N), Gator_22 (E), Gemini_27 (E), Gex_18 (N), Goku_24 (E), GoldenSpark_26 (E), Goldilocks_25 (E), GooberAzure_26 (E), HanKaySha_25 (E), Hanako_18 (N), Highbury_25 (E), Holt_25 (E), Hoonter_26 (E), Impisi_19 (N), Jamie19_18 (N), Journey_18 (N), Kanye_26 (E),

Kevin1_18 (N), Kimchi_26 (E), Kostya_24 (E), Lilac_26 (E), Lilizi_26 (E), Lilpickle_23 (E), MISSy_23 (E), MPhalcon_23 (E), MadamMonkfish_24 (E), Magsby_18 (N), Manda_25 (E), Melville_18 (N), MichelleMyBell_18 (N), Miniwave_24 (E), Misfit_24 (E), Moldemort_25 (E), MollyToe_24 (E), Myrale_24 (E), Nenae_18 (N), Nimrod_24 (E), NoSleep_25 (E), NonchalantPear_24 (E), OrionPax_25 (E), Panchino_18 (N), Paperbeatsrock_26 (E), Parmesanjohn_18 (N), Pat3_23 (E), PhancyPhin_18 (N), Pharsalus_25 (E), PhatBacter_24 (E), Phaux_23 (E), Philonius_18 (N), Phloss_18 (N), Phrann_18 (N), Phrux_24 (E), Pipsqueaks_18 (N), Purgamenstris_18 (N), Quallification_25 (E), Raymond7_18 (N), Rebel_18 (N), Redi_18 (N), Rimmer_23 (E), Rubeelu_18 (N), Saints25_25 (E), Schnauzer_18 (N), Scitech_18 (N), ShamWow_24 (E), ShereKhan_26 (E), ShrimpFriedEgg_18 (N), Shweta_18 (N), Silvafighter_18 (N), Silvy_18 (N), Simpliphy_25 (E), SirDuracell_23 (E), SkinnyPete_18 (N), Smurph_18 (N), Snekmaggedon_18 (N), SophKB_24 (E), Sotrice96_24 (E), Spinach_18 (N), SpongeBob_18 (N), Stark_25 (E), StellaBean_24 (E), StolenFromERC_26 (E), Tapioca_18 (N), Tarkin_26 (E), TeardropMSU_23 (E), Teaspoon_25 (E), Terminus_24 (E), Tessdabest_17 (N), Thimble_24 (E), Thresher_25 (E), Tomaszewski_23 (E), Tortoise12_18 (N), Traaww1_22 (E), Tuco_25 (E), Ukulele_24 (E), Wiggin_27 (E), Xeno_18 (N), Xerxes_18 (N),

Start 121:
• Found in 92 of 1314 (7.0%) of genes in pham
• Manual Annotations of this start: 70 of 1206
• Called 82.6% 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), Dillpickles_20 (CZ1), DobbysSock_19 (CZ4), Dogfish_21 (DT), Dolores_20 (CZ4), Dorito_19 (CZ4), Easley_20 (CZ4), Eudoria_19 (CZ1), Eviarto_19 (CZ1), Ewald_22 (DT), Gagieri_45 (CR6), Herod_19 (CZ1), Hortense_20 (CZ4), Howe_20 (CZ4), Hugley_19 (CZ1), Hyzer_19 (CZ1), Invectra_20 (CZ4), Kita_19 (CZ1), Lilbeanie_30 (DE5), MacGully_50 (CR7), Madavieve_19 (CZ1), Madeline_19 (CZ1), Manasvini_19 (CZ1), Maridalia_18 (CZ1), Maselop_45 (CR6), Mbo4_17 (singleton), Mcklovin_20 (CZ4), Meyran_21 (DT), MichaelScott_20 (CZ4), MooMoo_16 (singleton), Neobush_19 (CZ1), Nymphadora_19 (CZ1), Ohgeesy_19 (CZ), Oregano_20 (CZ4), PantheRoc_19 (CZ3), 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 122:
• Found in 11 of 1314 (0.8%) of genes in pham
• Manual Annotations of this start: 1 of 1206
• Called 9.1% of time when present
• Phage (with cluster) where this start called: LunaStella_18 (F4),

Start 123:
• Found in 77 of 1314 (5.9%) of genes in pham
• Manual Annotations of this start: 61 of 1206

• Called 87.0% of time when present
• Phage (with cluster) where this start called: APunk_36 (DE4), Abblin_35 (DE4), Ali17_31 (DE2), Attis_17 (CZ2), Babsiella_19 (I1), Belphegor_33 (DE2), BigHunkinEater_38 (DE4), Bjanes7_17 (CZ2), Bluvara_19 (I3), Brujita_19 (I1), Clap_17 (CZ2), Cynthia_17 (CZ2), Delrey21_34 (DE4), Denise_17 (CZ5), DoctorFroggo_34 (DE4), EMoore_31 (DE2), Ebert_17 (CZ2), EdnaMode_17 (CZ2), Eyre_17 (singleton), Faith5x5_17 (CZ6), FroggyToad_17 (CZ2), GemG_17 (CZ2), Gizermo_17 (CZ2), Gudmit_18 (singleton), HC_19 (I1), Haley23_17 (CZ2), Hans_35 (DE2), Inspectinfecti_34 (DE2), Island3_19 (I1), JCole_17 (CZ2), Jalleen_18 (CZ2), Lamberg_17 (CZ2), Leonard_33 (DE2), LordFarquaad_17 (CZ2), Lton_17 (CZ), Matteo_17 (CZ2), MelBins_34 (DE2), Mocha12_17 (CZ2), Moosehead_17 (CZ6), Natkenzie_35 (DE4), Nettuno_17 (CZ2), OneDirection_17 (CZ6), PaintedDog_18 (I1), Pepperoni_17 (CZ), Phauci_26 (DE2), Phinally_33 (DE2), Pickett_17 (CZ2), Pumpkiney_36 (DE4), QueenHazel_19 (I1), RavenCo17_17 (CZ8), Sahara_17 (CZ2), Sampson_35 (DE4), Savage_17 (CZ2), Scioto_35 (DE4), SoilAssassin_17 (CZ2), Sproutie_17 (CZ2), Tardus_36 (DE4), TuertoX_17 (CZ2), Vasanti_17 (CZ2), Verity_34 (DE4), ViaConlectus_35 (DE4), Whiteclaw_17 (CZ2), Xula_18 (I1), Yeet412_17 (CZ2), Yinzer_17 (CZ2), Zipp_34 (DE4), Zitch_36 (DE4),

Start 126:
• Found in 17 of 1314 (1.3%) of genes in pham
• Manual Annotations of this start: 11 of 1206
• Called 76.5% 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 130:
• Found in 68 of 1314 (5.2%) of genes in pham
• Manual Annotations of this start: 17 of 1206
• Called 27.9% of time when present
• Phage (with cluster) where this start called: Ayotoya_22 (DI), BetterKatz_22 (DI), Bock_22 (DI), Brylie_22 (DI), Chop_22 (DI), DelRio_23 (DI), DumpsterDude_19 (DW), Francois_22 (DI), GrandSlam_22 (DI), Hamood_22 (DI), Mulch_22 (DI), Nadeem_22 (DI), NancyRae_22 (DI), Parada_22 (DI), Pimento_23 (DI), Sprinklemunch_18 (DW), SussRoloMann_22 (DI), WheatThin_22 (DI), Zodiariah_18 (DW),

Start 131:
• Found in 2 of 1314 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 1206
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Sleepyhead_18 (singleton),

Start 134:
• Found in 2 of 1314 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 1206
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Finkle_19 (singleton), GMA1_19 (singleton),

Start 138:
• Found in 6 of 1314 (0.5%) of genes in pham

• Manual Annotations of this start: 2 of 1206
• Called 33.3% of time when present
• Phage (with cluster) where this start called: ArchiDore_19 (DW), Ruthy_19 (DW),

Start 141:
• Found in 39 of 1314 (3.0%) of genes in pham
• Manual Annotations of this start: 1 of 1206
• Called 2.6% of time when present
• Phage (with cluster) where this start called: Marietta_43 (CR4),

Start 144:
• Found in 9 of 1314 (0.7%) of genes in pham
• No Manual Annotations of this start.
• Called 11.1% of time when present
• Phage (with cluster) where this start called: MakCheese_20 (DW),

Start 150:
• Found in 50 of 1314 (3.8%) of genes in pham
• Manual Annotations of this start: 49 of 1206
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Archimedes_16 (DA), Archis_20 (CV), 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_21 (CV), Delian_19 (CV), Fairfaxidum_19 (CV), Fenry_18 (CV), Frizzle_16 (DA), Frokostdame_19 (CV), Gambino_21 (CV), Ghobes_16 (DA), Guacamole_19 (CV), 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 156:
• Found in 35 of 1314 (2.7%) of genes in pham
• Manual Annotations of this start: 1 of 1206
• Called 2.9% of time when present
• Phage (with cluster) where this start called: Jace_17 (singleton),

Start 169:
• Found in 184 of 1314 (14.0%) of genes in pham
• Manual Annotations of this start: 49 of 1206
• Called 33.2% 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), JeTaime_26 (E), Livelaughbron_24 (E), Marshmallow_24 (E), Maxxinista_25 (E), Mindy_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 185:
• Found in 314 of 1314 (23.9%) of genes in pham
• No Manual Annotations of this start.
• Called 0.3% of time when present
• Phage (with cluster) where this start called: GMA4_18 (singleton),

Start 193:
• Found in 488 of 1314 (37.1%) of genes in pham
• Manual Annotations of this start: 2 of 1206
• Called 0.4% of time when present
• Phage (with cluster) where this start called: DirtMcgirt_17 (F1), Sarma624_17 (F1),

Start 203:
• Found in 148 of 1314 (11.3%) of genes in pham
• Manual Annotations of this start: 1 of 1206
• Called 0.7% of time when present
• Phage (with cluster) where this start called: Cjw1_24 (E),

Start 209:
• Found in 53 of 1314 (4.0%) of genes in pham
• Manual Annotations of this start: 11 of 1206
• Called 22.6% 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 91 clusters represented in this pham: G5, UNK, G3, G2, G1, CQ2, CQ1, X, CZ8, CZ2, CZ3, CZ1, CZ6, CZ7, CZ4, CZ5, P1, CY7, CY5, P2, P3, EN, P6, P4, P5, O, G4, CR2, CR3, CR1, CR6, CR7, CR4, CR5, DE2, DE3, DE4, DE5, singleton, K3, K2, K1, K7, K6, K5, K4, K8, CU5, CU4, CU3, CU2, CU1, DN4, F, J, CD, CZ, Z, CV, F1, F3, F4, F7, F8, DN, DL, DK, DH, DI, DD, DA, G, DY, DW, DT, DS, I1, I3, CY3, CY2, CY1, AB, E, CY6, AG, CY4, AH, AJ, Q, Y, N,

Info for manual annotations of cluster AB:
•Start number 54 was manually annotated 4 times for cluster AB.

Info for manual annotations of cluster AG:
•Start number 56 was manually annotated 2 times for cluster AG.

Info for manual annotations of cluster AH:
•Start number 80 was manually annotated 1 time for cluster AH.

Info for manual annotations of cluster AJ:

•Start number 102 was manually annotated 1 time for cluster AJ.

Info for manual annotations of cluster CD:
•Start number 110 was manually annotated 6 times for cluster CD.
•Start number 126 was manually annotated 1 time for cluster CD.

Info for manual annotations of cluster CQ1:
•Start number 104 was manually annotated 15 times for cluster CQ1.

Info for manual annotations of cluster CQ2:
•Start number 104 was manually annotated 2 times for cluster CQ2.

Info for manual annotations of cluster CR1:
•Start number 109 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:
•Start number 109 was manually annotated 21 times for cluster CR2.

Info for manual annotations of cluster CR3:
•Start number 109 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:
•Start number 109 was manually annotated 7 times for cluster CR4.
•Start number 121 was manually annotated 1 time for cluster CR4.
•Start number 141 was manually annotated 1 time for cluster CR4.

Info for manual annotations of cluster CR5:
•Start number 109 was manually annotated 4 times for cluster CR5.

Info for manual annotations of cluster CR6:
•Start number 121 was manually annotated 6 times for cluster CR6.

Info for manual annotations of cluster CR7:
•Start number 121 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster CU1:
•Start number 209 was manually annotated 8 times for cluster CU1.

Info for manual annotations of cluster CU3:
•Start number 209 was manually annotated 1 time for cluster CU3.

Info for manual annotations of cluster CU4:
•Start number 209 was manually annotated 1 time for cluster CU4.

Info for manual annotations of cluster CU5:
•Start number 209 was manually annotated 1 time for cluster CU5.

Info for manual annotations of cluster CV:
•Start number 150 was manually annotated 45 times for cluster CV.

Info for manual annotations of cluster CY1:
•Start number 110 was manually annotated 9 times for cluster CY1.

Info for manual annotations of cluster CY2:
•Start number 91 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:
•Start number 110 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:
•Start number 110 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:
•Start number 110 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:
•Start number 110 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:
•Start number 110 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster CZ:
•Start number 121 was manually annotated 2 times for cluster CZ.
•Start number 123 was manually annotated 2 times for cluster CZ.

Info for manual annotations of cluster CZ1:
•Start number 121 was manually annotated 26 times for cluster CZ1.

Info for manual annotations of cluster CZ2:
•Start number 123 was manually annotated 24 times for cluster CZ2.

Info for manual annotations of cluster CZ3:
•Start number 121 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:
•Start number 121 was manually annotated 24 times for cluster CZ4.

Info for manual annotations of cluster CZ5:
•Start number 123 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:
•Start number 123 was manually annotated 3 times for cluster CZ6.

Info for manual annotations of cluster CZ7:
•Start number 121 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster CZ8:
•Start number 123 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DA:
•Start number 150 was manually annotated 4 times for cluster DA.

Info for manual annotations of cluster DD:
•Start number 98 was manually annotated 3 times for cluster DD.

Info for manual annotations of cluster DE2:
•Start number 123 was manually annotated 9 times for cluster DE2.

Info for manual annotations of cluster DE3:
•Start number 126 was manually annotated 7 times for cluster DE3.

Info for manual annotations of cluster DE4:
•Start number 123 was manually annotated 13 times for cluster DE4.

Info for manual annotations of cluster DE5:
•Start number 121 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DH:
•Start number 110 was manually annotated 3 times for cluster DH.

Info for manual annotations of cluster DI:
•Start number 130 was manually annotated 15 times for cluster DI.

Info for manual annotations of cluster DK:
•Start number 126 was manually annotated 2 times for cluster DK.

Info for manual annotations of cluster DL:
•Start number 103 was manually annotated 1 time for cluster DL.
•Start number 107 was manually annotated 5 times for cluster DL.

Info for manual annotations of cluster DN:
•Start number 110 was manually annotated 5 times for cluster DN.

Info for manual annotations of cluster DN4:
•Start number 110 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DS:
•Start number 81 was manually annotated 1 time for cluster DS.
•Start number 112 was manually annotated 4 times for cluster DS.

Info for manual annotations of cluster DT:
•Start number 109 was manually annotated 2 times for cluster DT.
•Start number 121 was manually annotated 3 times for cluster DT.

Info for manual annotations of cluster DW:
•Start number 113 was manually annotated 1 time for cluster DW.
•Start number 130 was manually annotated 2 times for cluster DW.
•Start number 138 was manually annotated 2 times for cluster DW.

Info for manual annotations of cluster DY:
•Start number 115 was manually annotated 7 times for cluster DY.

Info for manual annotations of cluster E:
•Start number 119 was manually annotated 85 times for cluster E.
•Start number 169 was manually annotated 48 times for cluster E.
•Start number 203 was manually annotated 1 time for cluster E.

Info for manual annotations of cluster EN:

•Start number 117 was manually annotated 8 times for cluster EN.

Info for manual annotations of cluster F:
•Start number 114 was manually annotated 1 time for cluster F.

Info for manual annotations of cluster F1:
•Start number 114 was manually annotated 228 times for cluster F1.
•Start number 116 was manually annotated 1 time for cluster F1.
•Start number 193 was manually annotated 2 times for cluster F1.

Info for manual annotations of cluster F3:
•Start number 114 was manually annotated 1 time for cluster F3.

Info for manual annotations of cluster F4:
•Start number 97 was manually annotated 1 time for cluster F4.
•Start number 122 was manually annotated 1 time for cluster F4.

Info for manual annotations of cluster F7:
•Start number 114 was manually annotated 1 time for cluster F7.

Info for manual annotations of cluster G:
•Start number 97 was manually annotated 2 times for cluster G.

Info for manual annotations of cluster G1:
•Start number 77 was manually annotated 20 times for cluster G1.
•Start number 97 was manually annotated 50 times for cluster G1.

Info for manual annotations of cluster G2:
•Start number 97 was manually annotated 3 times for cluster G2.
•Start number 100 was manually annotated 1 time for cluster G2.

Info for manual annotations of cluster G3:
•Start number 97 was manually annotated 2 times for cluster G3.

Info for manual annotations of cluster G4:
•Start number 59 was manually annotated 1 time for cluster G4.
•Start number 60 was manually annotated 1 time for cluster G4.

Info for manual annotations of cluster G5:
•Start number 97 was manually annotated 3 times for cluster G5.

Info for manual annotations of cluster I1:
•Start number 123 was manually annotated 6 times for cluster I1.

Info for manual annotations of cluster J:
•Start number 113 was manually annotated 30 times for cluster J.
•Start number 169 was manually annotated 1 time for cluster J.

Info for manual annotations of cluster K1:
•Start number 77 was manually annotated 2 times for cluster K1.
•Start number 80 was manually annotated 2 times for cluster K1.

•Start number 82 was manually annotated 109 times for cluster K1.

Info for manual annotations of cluster K2:
•Start number 80 was manually annotated 11 times for cluster K2.

Info for manual annotations of cluster K3:
•Start number 82 was manually annotated 9 times for cluster K3.

Info for manual annotations of cluster K4:
•Start number 77 was manually annotated 1 time for cluster K4.
•Start number 80 was manually annotated 4 times for cluster K4.
•Start number 82 was manually annotated 15 times for cluster K4.
•Start number 100 was manually annotated 2 times for cluster K4.

Info for manual annotations of cluster K5:
•Start number 87 was manually annotated 18 times for cluster K5.

Info for manual annotations of cluster K6:
•Start number 58 was manually annotated 1 time for cluster K6.
•Start number 64 was manually annotated 1 time for cluster K6.
•Start number 77 was manually annotated 3 times for cluster K6.
•Start number 80 was manually annotated 1 time for cluster K6.
•Start number 82 was manually annotated 20 times for cluster K6.

Info for manual annotations of cluster K7:
•Start number 82 was manually annotated 1 time for cluster K7.

Info for manual annotations of cluster K8:
•Start number 82 was manually annotated 1 time for cluster K8.

Info for manual annotations of cluster N:
•Start number 119 was manually annotated 47 times for cluster N.

Info for manual annotations of cluster O:
•Start number 89 was manually annotated 2 times for cluster O.
•Start number 94 was manually annotated 30 times for cluster O.

Info for manual annotations of cluster P1:
•Start number 90 was manually annotated 2 times for cluster P1.
•Start number 107 was manually annotated 42 times for cluster P1.

Info for manual annotations of cluster P2:
•Start number 107 was manually annotated 1 time for cluster P2.

Info for manual annotations of cluster P3:
•Start number 107 was manually annotated 1 time for cluster P3.

Info for manual annotations of cluster P4:
•Start number 107 was manually annotated 2 times for cluster P4.

Info for manual annotations of cluster P5:
•Start number 107 was manually annotated 2 times for cluster P5.

Info for manual annotations of cluster P6:
•Start number 107 was manually annotated 1 time for cluster P6.

Info for manual annotations of cluster Q:
•Start number 67 was manually annotated 1 time for cluster Q.
•Start number 80 was manually annotated 23 times for cluster Q.

Info for manual annotations of cluster UNK:
•Start number 75 was manually annotated 1 time for cluster UNK.

Info for manual annotations of cluster X:
•Start number 73 was manually annotated 2 times for cluster X.

Info for manual annotations of cluster Y:
•Start number 47 was manually annotated 6 times for cluster Y.

Info for manual annotations of cluster Z:
•Start number 80 was manually annotated 1 time for cluster Z.

Gene Information:

Gene: 244_26 Start: 20026, Stop: 21705, Start Num: 119
Candidate Starts for 244_26:
(Start: 119 @20026 has 132 MA's), (Start: 169 @20110 has 49 MA's), (Start: 203 @20188 has 1 MA's), (231, 20275), (236, 20290), (259, 20338), (273, 20377), (305, 20464), (319, 20497), (333, 20533), (343, 20563), (345, 20569), (370, 20638), (399, 20668), (403, 20680), (404, 20683), (426, 20740), (483, 20872), (484, 20878), (505, 20944), (507, 20950), (513, 20974), (529, 21022), (540, 21046), (543, 21055), (562, 21130), (580, 21181), (585, 21196), (648, 21358), (654, 21385), (663, 21415), (689, 21520), (716, 21598), (723, 21634), (725, 21643), (732, 21676), (738, 21691),

Gene: 32HC_26 Start: 18979, Stop: 20718, Start Num: 80
Candidate Starts for 32HC_26:
(Start: 80 @18979 has 43 MA's), (146, 19051), (177, 19114), (200, 19171), (267, 19351), (292, 19414), (307, 19465), (315, 19486), (334, 19531), (404, 19648), (405, 19651), (435, 19735), (436, 19738), (441, 19753), (446, 19771), (472, 19831), (560, 20098), (579, 20161), (593, 20209), (665, 20434), (669, 20452), (696, 20536), (716, 20605), (733, 20689), (734, 20692), (745, 20710),

Gene: 8UZL_21 Start: 16005, Stop: 17855, Start Num: 54
Candidate Starts for 8UZL_21:
(44, 15969), (Start: 54 @16005 has 4 MA's), (Start: 100 @16083 has 3 MA's), (144, 16143), (177, 16209), (198, 16260), (204, 16275), (205, 16278), (323, 16584), (343, 16641), (369, 16689), (374, 16692), (397, 16755), (404, 16776), (409, 16794), (427, 16839), (430, 16848), (435, 16863), (443, 16887), (484, 16998), (497, 17037), (503, 17058), (513, 17094), (514, 17097), (535, 17139), (542, 17154), (544, 17160), (640, 17469), (642, 17478), (644, 17484), (647, 17496), (654, 17526), (659, 17544), (661, 17550), (696, 17670), (711, 17727), (731, 17814), (733, 17823),

Gene: ABCat_23 Start: 19745, Stop: 21424, Start Num: 119
Candidate Starts for ABCat_23:
(Start: 119 @19745 has 132 MA's), (Start: 169 @19829 has 49 MA's), (Start: 203 @19907 has 1 MA's), (231, 19994), (236, 20009), (259, 20057), (273, 20096), (305, 20183), (319, 20216), (333, 20252), (343, 20282), (345, 20288), (370, 20357), (399, 20387), (403, 20399), (404, 20402), (426,

20459), (483, 20591), (484, 20597), (505, 20663), (507, 20669), (513, 20693), (529, 20741), (540, 20765), (543, 20774), (562, 20849), (580, 20900), (585, 20915), (648, 21077), (654, 21104), (663, 21134), (689, 21239), (716, 21317), (723, 21353), (725, 21362), (732, 21395), (738, 21410),

Gene: APunk_36 Start: 30211, Stop: 31833, Start Num: 123
Candidate Starts for APunk_36:
(Start: 81 @30154 has 1 MA's), (Start: 123 @30211 has 61 MA's), (140, 30232), (145, 30244), (175, 30295), (Start: 193 @30334 has 2 MA's), (202, 30358), (225, 30430), (268, 30517), (290, 30568), (299, 30598), (330, 30679), (339, 30706), (405, 30805), (416, 30835), (420, 30844), (431, 30877), (432, 30880), (450, 30940), (481, 30988), (484, 30997), (514, 31096), (532, 31135), (538, 31147), (578, 31291), (585, 31315), (602, 31342), (628, 31402), (629, 31405), (636, 31432), (640, 31447), (652, 31504), (655, 31516), (668, 31564), (671, 31573), (672, 31579), (677, 31600), (688, 31633), (701, 31678), (716, 31729), (732, 31807), (734, 31816),

Gene: Abblin_35 Start: 30754, Stop: 32376, Start Num: 123
Candidate Starts for Abblin_35:
(Start: 123 @30754 has 61 MA's), (140, 30775), (145, 30787), (175, 30838), (202, 30901), (225, 30973), (268, 31060), (290, 31111), (299, 31141), (330, 31222), (339, 31249), (405, 31348), (416, 31378), (420, 31387), (431, 31420), (432, 31423), (433, 31426), (436, 31435), (450, 31483), (481, 31531), (484, 31540), (514, 31639), (532, 31678), (538, 31690), (567, 31807), (581, 31846), (602, 31885), (627, 31942), (638, 31981), (640, 31990), (652, 32047), (655, 32059), (671, 32116), (672, 32122), (677, 32143), (688, 32176), (701, 32221), (732, 32350), (734, 32359),

Gene: Abscondus_47 Start: 29340, Stop: 31031, Start Num: 104
Candidate Starts for Abscondus_47:
(Start: 104 @29340 has 17 MA's), (146, 29400), (165, 29433), (177, 29463), (179, 29466), (236, 29625), (239, 29634), (300, 29763), (317, 29811), (426, 30024), (427, 30030), (435, 30054), (490, 30183), (497, 30204), (507, 30237), (562, 30435), (629, 30588), (654, 30687), (657, 30699), (660, 30708), (681, 30792), (724, 30939), (731, 30975),

Gene: ActinUp_23 Start: 17157, Stop: 18923, Start Num: 82
Candidate Starts for ActinUp_23:
(Start: 82 @17157 has 156 MA's), (Start: 103 @17187 has 1 MA's), (Start: 193 @17346 has 2 MA's), (204, 17379), (215, 17409), (225, 17442), (229, 17454), (268, 17544), (288, 17586), (309, 17658), (313, 17667), (330, 17706), (345, 17751), (355, 17772), (356, 17775), (398, 17829), (404, 17847), (420, 17889), (423, 17895), (431, 17922), (481, 18060), (486, 18078), (500, 18120), (506, 18138), (516, 18168), (529, 18195), (561, 18300), (617, 18459), (628, 18495), (636, 18525), (639, 18534), (657, 18609), (671, 18660), (701, 18759), (725, 18855), (733, 18894), (734, 18897), (745, 18915),

Gene: Adephagia_23 Start: 17154, Stop: 18920, Start Num: 82
Candidate Starts for Adephagia_23:
(Start: 82 @17154 has 156 MA's), (Start: 103 @17184 has 1 MA's), (Start: 193 @17343 has 2 MA's), (204, 17376), (215, 17406), (225, 17439), (229, 17451), (268, 17541), (288, 17583), (309, 17655), (313, 17664), (330, 17703), (345, 17748), (355, 17769), (356, 17772), (398, 17826), (404, 17844), (420, 17886), (423, 17892), (431, 17919), (481, 18057), (486, 18075), (500, 18117), (506, 18135), (516, 18165), (529, 18192), (561, 18297), (617, 18456), (628, 18492), (636, 18522), (639, 18531), (657, 18606), (671, 18657), (701, 18756), (725, 18852), (733, 18891), (734, 18894), (745, 18912),

Gene: Adnama_27 Start: 20253, Stop: 21932, Start Num: 119
Candidate Starts for Adnama_27:
(Start: 119 @20253 has 132 MA's), (Start: 169 @20337 has 49 MA's), (Start: 203 @20415 has 1 MA's), (231, 20502), (236, 20517), (259, 20565), (273, 20604), (305, 20691), (319, 20724), (333, 20760), (343, 20790), (345, 20796), (370, 20865), (399, 20895), (403, 20907), (404, 20910), (426,

20967), (483, 21099), (484, 21105), (505, 21171), (507, 21177), (513, 21201), (529, 21249), (540, 21273), (543, 21282), (562, 21357), (580, 21408), (585, 21423), (648, 21585), (654, 21612), (663, 21642), (689, 21747), (716, 21825), (723, 21861), (725, 21870), (732, 21903), (738, 21918),

Gene: Adonis_23 Start: 17160, Stop: 18926, Start Num: 82
Candidate Starts for Adonis_23:
(Start: 82 @17160 has 156 MA's), (Start: 103 @17190 has 1 MA's), (Start: 193 @17349 has 2 MA's), (204, 17382), (215, 17412), (225, 17445), (229, 17457), (268, 17547), (288, 17589), (309, 17661), (313, 17670), (330, 17709), (345, 17754), (355, 17775), (356, 17778), (398, 17832), (404, 17850), (420, 17892), (423, 17898), (431, 17925), (481, 18063), (486, 18081), (500, 18123), (506, 18141), (516, 18171), (529, 18198), (561, 18303), (617, 18462), (628, 18498), (639, 18537), (657, 18612), (671, 18663), (725, 18858), (733, 18897), (734, 18900), (745, 18918),

Gene: Adora_20 Start: 17855, Stop: 19435, Start Num: 121
Candidate Starts for Adora_20:
(53, 17738), (Start: 121 @17855 has 70 MA's), (247, 18113), (260, 18134), (280, 18188), (295, 18227), (314, 18284), (324, 18305), (425, 18476), (430, 18494), (438, 18518), (445, 18539), (474, 18581), (504, 18662), (550, 18752), (561, 18803), (577, 18854), (578, 18857), (593, 18911), (631, 19001), (701, 19280), (702, 19289), (711, 19319),

Gene: Agent47_21 Start: 17591, Stop: 19363, Start Num: 87
Candidate Starts for Agent47_21:
(Start: 87 @17591 has 18 MA's), (Start: 89 @17597 has 2 MA's), (106, 17621), (135, 17654), (160, 17702), (185, 17756), (204, 17807), (225, 17870), (269, 17978), (309, 18086), (355, 18200), (356, 18203), (384, 18242), (398, 18257), (402, 18269), (404, 18275), (417, 18311), (420, 18317), (423, 18323), (435, 18362), (443, 18386), (481, 18488), (501, 18551), (561, 18731), (591, 18830), (621, 18908), (627, 18932), (629, 18938), (638, 18971), (657, 19049), (659, 19055), (702, 19208), (728, 19313), (729, 19316), (733, 19334),

Gene: Ageofdapage_23 Start: 17088, Stop: 18854, Start Num: 82
Candidate Starts for Ageofdapage_23:
(Start: 82 @17088 has 156 MA's), (Start: 103 @17118 has 1 MA's), (Start: 193 @17277 has 2 MA's), (204, 17310), (215, 17340), (225, 17373), (229, 17385), (268, 17475), (284, 17511), (288, 17517), (309, 17589), (313, 17598), (330, 17637), (345, 17682), (355, 17703), (356, 17706), (404, 17778), (417, 17814), (420, 17820), (423, 17826), (431, 17853), (443, 17889), (481, 17991), (486, 18009), (506, 18069), (516, 18099), (529, 18126), (561, 18231), (588, 18321), (617, 18390), (628, 18426), (636, 18456), (639, 18465), (657, 18540), (671, 18591), (701, 18690), (716, 18741), (725, 18786), (733, 18825), (734, 18828), (745, 18846),

Gene: Aggie_18 Start: 14990, Stop: 16699, Start Num: 119
Candidate Starts for Aggie_18:
(Start: 119 @14990 has 132 MA's), (139, 15017), (Start: 193 @15122 has 2 MA's), (197, 15134), (208, 15170), (225, 15221), (234, 15251), (236, 15257), (247, 15284), (252, 15290), (299, 15410), (318, 15464), (321, 15470), (329, 15488), (333, 15500), (334, 15503), (341, 15524), (356, 15566), (367, 15599), (397, 15650), (402, 15665), (417, 15707), (424, 15722), (426, 15728), (440, 15776), (447, 15800), (460, 15830), (481, 15854), (500, 15914), (504, 15926), (522, 15980), (527, 15989), (548, 16049), (549, 16052), (578, 16157), (580, 16166), (592, 16205), (647, 16343), (685, 16493), (686, 16496), (688, 16505), (698, 16526), (703, 16553), (716, 16589), (738, 16682),

Gene: Agueybana_19 Start: 17777, Stop: 19375, Start Num: 121
Candidate Starts for Agueybana_19:
(Start: 121 @17777 has 70 MA's), (240, 18026), (247, 18035), (259, 18053), (260, 18056), (280, 18110), (306, 18185), (333, 18254), (336, 18263), (340, 18275), (357, 18326), (367, 18353), (376,

18362), (378, 18365), (425, 18398), (443, 18455), (474, 18521), (521, 18632), (539, 18656), (550, 18692), (577, 18794), (593, 18851), (631, 18941), (663, 19058), (692, 19181), (711, 19259),

Gene: AizenPogi_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for AizenPogi_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Akhila_17 Start: 15476, Stop: 17185, Start Num: 114
Candidate Starts for Akhila_17:
(Start: 114 @15476 has 231 MA's), (171, 15563), (Start: 193 @15608 has 2 MA's), (202, 15632), (234, 15737), (236, 15743), (242, 15761), (259, 15791), (299, 15896), (321, 15956), (330, 15977), (333, 15986), (341, 16010), (397, 16136), (402, 16151), (404, 16157), (417, 16193), (418, 16196), (424, 16208), (426, 16214), (440, 16262), (445, 16274), (446, 16280), (481, 16340), (485, 16352), (497, 16388), (500, 16400), (527, 16475), (529, 16484), (538, 16502), (540, 16508), (549, 16538), (578, 16643), (580, 16652), (581, 16655), (587, 16676), (592, 16691), (629, 16757), (631, 16769), (656, 16868), (663, 16889), (671, 16922), (679, 16952), (686, 16982), (688, 16991), (690, 16997), (698, 17012), (699, 17015), (703, 17039), (714, 17069), (718, 17081), (723, 17111), (732, 17153),

Gene: Alexphander_18 Start: 15332, Stop: 17041, Start Num: 114
Candidate Starts for Alexphander_18:
(Start: 114 @15332 has 231 MA's), (171, 15419), (Start: 193 @15464 has 2 MA's), (202, 15488), (219, 15545), (234, 15593), (236, 15599), (242, 15617), (259, 15647), (299, 15752), (318, 15806), (321, 15812), (325, 15821), (333, 15842), (341, 15866), (354, 15902), (356, 15908), (367, 15941), (369, 15944), (371, 15953), (378, 15968), (381, 15974), (397, 15992), (402, 16007), (404, 16013), (409, 16031), (410, 16034), (417, 16049), (424, 16064), (426, 16070), (440, 16118), (445, 16130), (446, 16136), (481, 16196), (485, 16208), (497, 16244), (500, 16256), (527, 16331), (529, 16340), (538, 16358), (540, 16364), (549, 16394), (578, 16499), (581, 16511), (592, 16547), (631, 16625), (656, 16724), (663, 16745), (671, 16778), (679, 16808), (686, 16838), (688, 16847), (690, 16853), (698, 16868), (699, 16871), (703, 16895), (714, 16925), (718, 16937), (723, 16967), (732, 17009),

Gene: Ali17_31 Start: 28415, Stop: 30040, Start Num: 123
Candidate Starts for Ali17_31:
(Start: 123 @28415 has 61 MA's), (132, 28427), (151, 28460), (157, 28469), (164, 28481), (177, 28511), (221, 28628), (225, 28640), (262, 28715), (290, 28775), (299, 28805), (405, 29012), (416, 29042), (431, 29084), (432, 29087), (436, 29099), (450, 29147), (481, 29195), (504, 29267), (513, 29300), (514, 29303), (532, 29342), (546, 29381), (566, 29468), (567, 29471), (602, 29549), (640, 29654), (659, 29735), (673, 29789), (701, 29885), (732, 30014), (738, 30029),

Gene: AlishaPH_23 Start: 17147, Stop: 18913, Start Num: 82
Candidate Starts for AlishaPH_23:
(Start: 82 @17147 has 156 MA's), (Start: 103 @17177 has 1 MA's), (Start: 193 @17336 has 2 MA's), (204, 17369), (215, 17399), (225, 17432), (229, 17444), (268, 17534), (288, 17576), (309, 17648), (313, 17657), (330, 17696), (345, 17741), (355, 17762), (356, 17765), (398, 17819), (404, 17837), (420, 17879), (423, 17885), (431, 17912), (481, 18050), (486, 18068), (500, 18110), (506, 18128), (516, 18158), (529, 18185), (561, 18290), (617, 18449), (628, 18485), (636, 18515), (639, 18524), (657, 18599), (671, 18650), (725, 18845), (733, 18884), (734, 18887), (745, 18905),

Gene: Alkhayr_56 Start: 33189, Stop: 34925, Start Num: 94

Candidate Starts for Alkhayr_56:
(Start: 89 @33180 has 2 MA's), (Start: 94 @33189 has 30 MA's), (Start: 156 @33279 has 1 MA's), (207, 33396), (219, 33432), (226, 33453), (234, 33480), (236, 33486), (249, 33516), (261, 33540), (283, 33591), (333, 33729), (335, 33735), (352, 33786), (354, 33789), (359, 33807), (397, 33858), (404, 33879), (405, 33882), (424, 33930), (426, 33936), (440, 33984), (443, 33990), (445, 33996), (471, 34056), (481, 34080), (483, 34083), (497, 34128), (501, 34143), (504, 34152), (507, 34161), (522, 34206), (529, 34224), (543, 34257), (581, 34395), (587, 34416), (625, 34482), (632, 34512), (646, 34566), (656, 34608), (663, 34629), (667, 34650), (671, 34662), (676, 34683), (690, 34737), (716, 34815), (723, 34851), (727, 34872), (733, 34899),

Gene: Aloeri_17 Start: 14677, Stop: 16386, Start Num: 114
Candidate Starts for Aloeri_17:
(Start: 114 @14677 has 231 MA's), (171, 14764), (Start: 193 @14809 has 2 MA's), (202, 14833), (234, 14938), (236, 14944), (242, 14962), (247, 14971), (259, 14992), (299, 15097), (321, 15157), (325, 15166), (330, 15178), (333, 15187), (341, 15211), (354, 15247), (356, 15253), (359, 15265), (367, 15286), (369, 15289), (371, 15298), (378, 15313), (381, 15319), (397, 15337), (402, 15352), (404, 15358), (409, 15376), (410, 15379), (417, 15394), (424, 15409), (426, 15415), (440, 15463), (445, 15475), (446, 15481), (481, 15541), (485, 15553), (487, 15562), (497, 15589), (500, 15601), (527, 15676), (529, 15685), (538, 15703), (540, 15709), (549, 15739), (578, 15844), (580, 15853), (581, 15856), (592, 15892), (631, 15970), (656, 16069), (663, 16090), (671, 16123), (679, 16153), (686, 16183), (687, 16189), (688, 16192), (690, 16198), (698, 16213), (699, 16216), (702, 16237), (703, 16240), (718, 16282), (732, 16354), (733, 16360),

Gene: AlpineSix_16 Start: 15041, Stop: 16750, Start Num: 114
Candidate Starts for AlpineSix_16:
(Start: 114 @15041 has 231 MA's), (171, 15128), (181, 15149), (Start: 193 @15173 has 2 MA's), (202, 15197), (207, 15218), (234, 15302), (236, 15308), (242, 15326), (259, 15356), (299, 15461), (318, 15515), (321, 15521), (329, 15539), (330, 15542), (333, 15551), (341, 15575), (367, 15650), (371, 15662), (378, 15677), (381, 15683), (397, 15701), (402, 15716), (404, 15722), (414, 15749), (417, 15758), (424, 15773), (426, 15779), (440, 15827), (445, 15839), (446, 15845), (481, 15905), (485, 15917), (497, 15953), (500, 15965), (507, 15986), (527, 16040), (529, 16049), (538, 16067), (540, 16073), (549, 16103), (578, 16208), (580, 16217), (581, 16220), (592, 16256), (622, 16295), (631, 16334), (663, 16454), (671, 16487), (679, 16517), (686, 16547), (688, 16556), (690, 16562), (698, 16577), (699, 16580), (702, 16601), (703, 16604), (716, 16640), (718, 16646), (723, 16676), (732, 16718),

Gene: AlumE_19 Start: 17776, Stop: 19374, Start Num: 121
Candidate Starts for AlumE_19:
(Start: 121 @17776 has 70 MA's), (247, 18034), (259, 18052), (260, 18055), (280, 18109), (306, 18184), (333, 18253), (336, 18262), (340, 18274), (344, 18286), (357, 18325), (367, 18352), (376, 18361), (378, 18364), (425, 18397), (443, 18454), (474, 18520), (521, 18631), (550, 18691), (577, 18793), (593, 18850), (631, 18940), (692, 19180), (711, 19258),

Gene: Amao_24 Start: 18950, Stop: 20629, Start Num: 119
Candidate Starts for Amao_24:
(Start: 119 @18950 has 132 MA's), (Start: 169 @19034 has 49 MA's), (Start: 203 @19112 has 1 MA's), (231, 19199), (236, 19214), (259, 19262), (273, 19301), (305, 19388), (319, 19421), (333, 19457), (343, 19487), (345, 19493), (370, 19562), (399, 19592), (403, 19604), (404, 19607), (426, 19664), (483, 19796), (484, 19802), (505, 19868), (507, 19874), (513, 19898), (529, 19946), (540, 19970), (543, 19979), (562, 20054), (580, 20105), (585, 20120), (648, 20282), (654, 20309), (663, 20339), (689, 20444), (716, 20522), (723, 20558), (725, 20567), (732, 20600), (738, 20615),

Gene: Amelie_19 Start: 16697, Stop: 18463, Start Num: 82

Candidate Starts for Amelie_19:
(Start: 82 @16697 has 156 MA's), (Start: 87 @16703 has 18 MA's), (Start: 103 @16727 has 1 MA's), (177, 16853), (185, 16868), (Start: 193 @16886 has 2 MA's), (215, 16949), (268, 17084), (269, 17090), (309, 17198), (313, 17207), (355, 17312), (402, 17381), (404, 17387), (417, 17423), (423, 17435), (443, 17498), (481, 17600), (486, 17618), (500, 17660), (501, 17663), (544, 17768), (561, 17840), (593, 17948), (595, 17954), (617, 17999), (632, 18053), (639, 18074), (657, 18149), (671, 18200), (701, 18299), (704, 18314), (716, 18350), (725, 18395), (733, 18434), (734, 18437), (745, 18455),

Gene: AmericanBeauty_26 Start: 19733, Stop: 21412, Start Num: 119
Candidate Starts for AmericanBeauty_26:
(Start: 119 @19733 has 132 MA's), (Start: 169 @19817 has 49 MA's), (Start: 203 @19895 has 1 MA's), (231, 19982), (236, 19997), (259, 20045), (273, 20084), (305, 20171), (319, 20204), (333, 20240), (343, 20270), (345, 20276), (370, 20345), (399, 20375), (403, 20387), (404, 20390), (426, 20447), (483, 20579), (484, 20585), (505, 20651), (507, 20657), (513, 20681), (529, 20729), (540, 20753), (543, 20762), (562, 20837), (580, 20888), (585, 20903), (648, 21065), (654, 21092), (663, 21122), (689, 21227), (716, 21305), (723, 21341), (725, 21350), (732, 21383), (738, 21398),

Gene: Amgine_21 Start: 17216, Stop: 19009, Start Num: 64
Candidate Starts for Amgine_21:
(Start: 64 @17216 has 1 MA's), (Start: 77 @17246 has 26 MA's), (Start: 80 @17252 has 43 MA's), (Start: 82 @17255 has 156 MA's), (Start: 97 @17267 has 61 MA's), (Start: 103 @17273 has 1 MA's), (177, 17399), (185, 17414), (204, 17465), (215, 17495), (225, 17528), (268, 17630), (288, 17672), (309, 17744), (313, 17753), (382, 17897), (384, 17900), (398, 17915), (402, 17927), (404, 17933), (409, 17951), (420, 17975), (423, 17981), (431, 18008), (443, 18044), (486, 18164), (529, 18281), (544, 18314), (547, 18326), (551, 18338), (561, 18386), (627, 18578), (636, 18611), (639, 18620), (654, 18683), (657, 18695), (671, 18746), (672, 18752), (701, 18845), (716, 18896), (725, 18941), (733, 18980), (734, 18983), (745, 19001),

Gene: Aminay_21 Start: 17435, Stop: 19210, Start Num: 82
Candidate Starts for Aminay_21:
(13, 16757), (14, 16769), (21, 16964), (Start: 82 @17435 has 156 MA's), (177, 17579), (185, 17594), (204, 17645), (215, 17675), (229, 17720), (269, 17816), (305, 17912), (309, 17924), (346, 18020), (404, 18113), (409, 18131), (423, 18161), (435, 18200), (447, 18242), (481, 18326), (501, 18389), (512, 18422), (525, 18461), (561, 18590), (588, 18680), (591, 18689), (617, 18746), (627, 18779), (632, 18800), (636, 18812), (657, 18896), (671, 18947), (672, 18953), (702, 19055), (723, 19133), (727, 19154), (733, 19181), (745, 19202),

Gene: Amochick_22 Start: 17409, Stop: 19151, Start Num: 80
Candidate Starts for Amochick_22:
(Start: 80 @17409 has 43 MA's), (Start: 87 @17418 has 18 MA's), (120, 17460), (152, 17511), (163, 17535), (170, 17547), (177, 17568), (185, 17583), (Start: 193 @17601 has 2 MA's), (204, 17634), (212, 17661), (236, 17733), (272, 17823), (304, 17907), (307, 17916), (315, 17937), (341, 18003), (354, 18030), (379, 18063), (398, 18081), (405, 18102), (409, 18117), (410, 18120), (435, 18186), (436, 18189), (453, 18255), (464, 18267), (472, 18276), (473, 18279), (501, 18366), (518, 18420), (541, 18465), (543, 18471), (560, 18543), (567, 18573), (578, 18600), (588, 18636), (591, 18645), (627, 18723), (665, 18867), (669, 18885), (672, 18897), (676, 18912), (677, 18915), (682, 18936), (688, 18948), (702, 18996), (713, 19029), (729, 19104), (733, 19122), (745, 19143),

Gene: Amohnition_22 Start: 17620, Stop: 19395, Start Num: 77
Candidate Starts for Amohnition_22:
(Start: 64 @17590 has 1 MA's), (Start: 77 @17620 has 26 MA's), (Start: 82 @17629 has 156 MA's), (Start: 103 @17659 has 1 MA's), (177, 17785), (185, 17800), (Start: 193 @17818 has 2 MA's), (204, 17851), (225, 17914), (229, 17926), (236, 17944), (268, 18016), (284, 18052), (288, 18058), (313,

18139), (348, 18232), (355, 18244), (356, 18247), (382, 18283), (404, 18319), (420, 18361), (423, 18367), (431, 18394), (486, 18550), (516, 18640), (529, 18667), (547, 18712), (561, 18772), (584, 18847), (591, 18871), (617, 18931), (628, 18967), (636, 18997), (657, 19081), (702, 19240), (733, 19366), (734, 19369), (745, 19387),

Gene: Amymech_22 Start: 17406, Stop: 19148, Start Num: 80
Candidate Starts for Amymech_22:
(Start: 80 @17406 has 43 MA's), (Start: 87 @17415 has 18 MA's), (120, 17457), (152, 17508), (163, 17532), (170, 17544), (177, 17565), (185, 17580), (Start: 193 @17598 has 2 MA's), (204, 17631), (212, 17658), (236, 17730), (272, 17820), (304, 17904), (307, 17913), (315, 17934), (341, 18000), (354, 18027), (379, 18060), (398, 18078), (405, 18099), (409, 18114), (410, 18117), (435, 18183), (436, 18186), (453, 18252), (464, 18264), (472, 18273), (473, 18276), (501, 18363), (518, 18417), (541, 18462), (543, 18468), (560, 18540), (567, 18570), (578, 18597), (588, 18633), (591, 18642), (627, 18720), (665, 18864), (669, 18882), (672, 18894), (676, 18909), (677, 18912), (682, 18933), (688, 18945), (702, 18993), (713, 19026), (729, 19101), (733, 19119), (745, 19140),

Gene: Anaya_24 Start: 17173, Stop: 18939, Start Num: 82
Candidate Starts for Anaya_24:
(Start: 82 @17173 has 156 MA's), (Start: 103 @17203 has 1 MA's), (Start: 193 @17362 has 2 MA's), (204, 17395), (215, 17425), (225, 17458), (229, 17470), (268, 17560), (288, 17602), (309, 17674), (313, 17683), (330, 17722), (345, 17767), (355, 17788), (356, 17791), (404, 17863), (420, 17905), (423, 17911), (431, 17938), (481, 18076), (486, 18094), (500, 18136), (506, 18154), (516, 18184), (561, 18316), (628, 18511), (636, 18541), (639, 18550), (657, 18625), (671, 18676), (672, 18682), (716, 18826), (725, 18871), (733, 18910), (734, 18913), (745, 18931),

Gene: Andies_18 Start: 14986, Stop: 16695, Start Num: 119
Candidate Starts for Andies_18:
(Start: 119 @14986 has 132 MA's), (139, 15013), (Start: 193 @15118 has 2 MA's), (197, 15130), (208, 15166), (225, 15217), (234, 15247), (236, 15253), (247, 15280), (252, 15286), (299, 15406), (318, 15460), (321, 15466), (329, 15484), (333, 15496), (334, 15499), (341, 15520), (356, 15562), (367, 15595), (397, 15646), (402, 15661), (417, 15703), (424, 15718), (426, 15724), (440, 15772), (447, 15796), (460, 15826), (481, 15850), (504, 15922), (522, 15976), (527, 15985), (548, 16045), (549, 16048), (578, 16153), (580, 16162), (592, 16201), (647, 16339), (685, 16489), (686, 16492), (688, 16501), (698, 16522), (703, 16549), (716, 16585), (738, 16678),

Gene: Angel_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Angel_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Angelica_23 Start: 17122, Stop: 18888, Start Num: 82
Candidate Starts for Angelica_23:
(Start: 82 @17122 has 156 MA's), (Start: 103 @17152 has 1 MA's), (Start: 193 @17311 has 2 MA's), (204, 17344), (215, 17374), (225, 17407), (229, 17419), (268, 17509), (288, 17551), (309, 17623), (313, 17632), (330, 17671), (345, 17716), (355, 17737), (356, 17740), (398, 17794), (404, 17812), (420, 17854), (423, 17860), (431, 17887), (481, 18025), (486, 18043), (500, 18085), (506, 18103), (516, 18133), (529, 18160), (561, 18265), (617, 18424), (628, 18460), (636, 18490), (639, 18499), (657, 18574), (671, 18625), (725, 18820), (733, 18859), (734, 18862), (745, 18880),

Gene: Angelique_20 Start: 17710, Stop: 19410, Start Num: 110
Candidate Starts for Angelique_20:
(Start: 91 @17686 has 1 MA's), (Start: 110 @17710 has 31 MA's), (145, 17752), (175, 17809), (195, 17851), (264, 18040), (315, 18187), (319, 18193), (402, 18337), (404, 18343), (416, 18376), (442, 18451), (550, 18733), (575, 18829), (623, 18952), (630, 18985), (632, 18991), (649, 19057), (657, 19087), (698, 19243), (700, 19249), (730, 19378),

Gene: Anma_23 Start: 17102, Stop: 18868, Start Num: 82
Candidate Starts for Anma_23:
(Start: 82 @17102 has 156 MA's), (Start: 103 @17132 has 1 MA's), (Start: 193 @17291 has 2 MA's), (204, 17324), (215, 17354), (225, 17387), (229, 17399), (268, 17489), (288, 17531), (309, 17603), (313, 17612), (330, 17651), (345, 17696), (356, 17720), (404, 17792), (420, 17834), (423, 17840), (431, 17867), (481, 18005), (486, 18023), (500, 18065), (516, 18113), (529, 18140), (561, 18245), (588, 18335), (628, 18440), (636, 18470), (639, 18479), (657, 18554), (671, 18605), (725, 18800), (733, 18839), (734, 18842), (745, 18860),

Gene: Annalisa_20 Start: 17346, Stop: 18926, Start Num: 121
Candidate Starts for Annalisa_20:
(53, 17229), (Start: 121 @17346 has 70 MA's), (247, 17604), (260, 17625), (280, 17679), (295, 17718), (314, 17775), (324, 17796), (425, 17967), (430, 17985), (438, 18009), (445, 18030), (474, 18072), (504, 18153), (550, 18243), (577, 18345), (578, 18348), (593, 18402), (677, 18672), (701, 18771), (702, 18780), (711, 18810),

Gene: Annihilator_18 Start: 16640, Stop: 18394, Start Num: 97
Candidate Starts for Annihilator_18:
(Start: 77 @16631 has 26 MA's), (Start: 97 @16640 has 61 MA's), (Start: 103 @16646 has 1 MA's), (111, 16652), (185, 16784), (204, 16835), (215, 16865), (222, 16889), (266, 16991), (281, 17030), (284, 17036), (290, 17051), (303, 17096), (348, 17216), (386, 17273), (404, 17312), (423, 17360), (431, 17387), (435, 17399), (458, 17480), (481, 17525), (551, 17723), (556, 17753), (561, 17771), (567, 17798), (594, 17882), (607, 17900), (614, 17915), (627, 17963), (630, 17978), (648, 18041), (663, 18098), (672, 18137), (682, 18179), (701, 18230), (725, 18326), (745, 18386),

Gene: Antonio_19 Start: 17773, Stop: 19371, Start Num: 121
Candidate Starts for Antonio_19:
(Start: 121 @17773 has 70 MA's), (240, 18022), (247, 18031), (259, 18049), (260, 18052), (280, 18106), (306, 18181), (333, 18250), (336, 18259), (340, 18271), (357, 18322), (367, 18349), (376, 18358), (378, 18361), (424, 18391), (425, 18394), (443, 18451), (474, 18517), (503, 18595), (521, 18628), (539, 18652), (550, 18688), (577, 18790), (593, 18847), (619, 18892), (622, 18898), (631, 18937), (692, 19177), (711, 19255),

Gene: Antsirabe_18 Start: 16985, Stop: 18709, Start Num: 97
Candidate Starts for Antsirabe_18:
(Start: 97 @16985 has 61 MA's), (179, 17105), (215, 17198), (266, 17324), (269, 17339), (284, 17369), (288, 17375), (290, 17384), (303, 17429), (348, 17549), (404, 17645), (420, 17687), (423, 17693), (435, 17732), (446, 17768), (458, 17813), (551, 18050), (561, 18098), (567, 18125), (580, 18161), (653, 18380), (663, 18413), (682, 18494), (725, 18641), (736, 18686),

Gene: Aphelion_48 Start: 29609, Stop: 31300, Start Num: 104
Candidate Starts for Aphelion_48:
(Start: 104 @29609 has 17 MA's), (146, 29669), (165, 29702), (179, 29735), (225, 29861), (236, 29894), (239, 29903), (300, 30032), (317, 30080), (426, 30293), (427, 30299), (435, 30323), (490, 30452), (497, 30473), (507, 30506), (562, 30704), (629, 30857), (654, 30956), (657, 30968), (660, 30977), (681, 31061), (724, 31208), (731, 31244), (734, 31256),

Gene: Apiary_45 Start: 31353, Stop: 32927, Start Num: 121
Candidate Starts for Apiary_45:
(Start: 121 @31353 has 70 MA's), (129, 31362), (162, 31416), (183, 31440), (185, 31443), (293, 31713), (316, 31776), (324, 31791), (379, 31908), (387, 31923), (417, 31980), (422, 31989), (435, 32031), (442, 32052), (450, 32082), (482, 32139), (508, 32214), (535, 32253), (553, 32310), (583, 32415), (584, 32418), (592, 32445), (632, 32523), (643, 32562), (682, 32718), (704, 32784),

Gene: Apocalypse_23 Start: 17125, Stop: 18891, Start Num: 82
Candidate Starts for Apocalypse_23:
(Start: 82 @17125 has 156 MA's), (Start: 103 @17155 has 1 MA's), (Start: 193 @17314 has 2 MA's), (204, 17347), (215, 17377), (225, 17410), (229, 17422), (268, 17512), (288, 17554), (309, 17626), (313, 17635), (330, 17674), (345, 17719), (355, 17740), (356, 17743), (398, 17797), (404, 17815), (420, 17857), (423, 17863), (431, 17890), (481, 18028), (486, 18046), (500, 18088), (506, 18106), (516, 18136), (529, 18163), (561, 18268), (617, 18427), (628, 18463), (636, 18493), (639, 18502), (657, 18577), (671, 18628), (725, 18823), (733, 18862), (734, 18865), (745, 18883),

Gene: Applecrisp_21 Start: 17666, Stop: 19420, Start Num: 82
Candidate Starts for Applecrisp_21:
(Start: 64 @17627 has 1 MA's), (Start: 77 @17657 has 26 MA's), (Start: 80 @17663 has 43 MA's), (Start: 82 @17666 has 156 MA's), (Start: 97 @17678 has 61 MA's), (Start: 103 @17684 has 1 MA's), (177, 17810), (185, 17825), (204, 17876), (215, 17906), (225, 17939), (268, 18041), (284, 18077), (288, 18083), (313, 18164), (382, 18308), (384, 18311), (398, 18326), (402, 18338), (404, 18344), (409, 18362), (420, 18386), (423, 18392), (431, 18419), (486, 18575), (529, 18692), (544, 18725), (547, 18737), (551, 18749), (561, 18797), (627, 18989), (636, 19022), (639, 19031), (645, 19055), (654, 19094), (657, 19106), (671, 19157), (672, 19163), (701, 19256), (716, 19307), (725, 19352), (733, 19391), (734, 19394), (745, 19412),

Gene: Applejacks_18 Start: 15064, Stop: 16680, Start Num: 105
Candidate Starts for Applejacks_18:
(105, 15064), (174, 15163), (175, 15166), (197, 15217), (236, 15331), (270, 15394), (284, 15421), (317, 15517), (330, 15547), (405, 15673), (445, 15787), (453, 15820), (497, 15907), (498, 15910), (504, 15931), (518, 15976), (546, 16045), (547, 16048), (559, 16090), (562, 16108), (566, 16120), (594, 16186), (611, 16222), (618, 16228), (621, 16234), (624, 16246), (627, 16258), (640, 16306), (697, 16510), (700, 16516), (701, 16525), (726, 16624), (731, 16651), (738, 16669),

Gene: ArchiDore_19 Start: 16244, Stop: 17938, Start Num: 138
Candidate Starts for ArchiDore_19:
(51, 16094), (105, 16208), (Start: 130 @16232 has 17 MA's), (Start: 138 @16244 has 2 MA's), (215, 16421), (217, 16427), (237, 16493), (288, 16607), (307, 16673), (309, 16679), (405, 16859), (406, 16865), (420, 16898), (464, 17027), (473, 17039), (479, 17060), (503, 17132), (543, 17237), (544, 17240), (557, 17303), (559, 17306), (567, 17339), (627, 17507), (629, 17513), (654, 17612), (745, 17930),

Gene: Archimedes_16 Start: 14567, Stop: 16171, Start Num: 150
Candidate Starts for Archimedes_16:
(Start: 150 @14567 has 49 MA's), (190, 14654), (225, 14759), (248, 14822), (254, 14828), (264, 14852), (302, 14960), (330, 15029), (426, 15212), (429, 15224), (446, 15278), (505, 15422), (507, 15428), (530, 15494), (540, 15512), (578, 15638), (586, 15668), (628, 15749), (629, 15752), (656, 15860), (659, 15869), (667, 15902), (709, 16049),

Gene: Archis_20 Start: 16861, Stop: 18507, Start Num: 150
Candidate Starts for Archis_20:

(Start: 130 @16825 has 17 MA's), (Start: 150 @16861 has 49 MA's), (199, 16963), (223, 17041), (224, 17044), (264, 17140), (278, 17179), (306, 17260), (329, 17314), (334, 17329), (426, 17500), (435, 17530), (507, 17713), (513, 17737), (514, 17740), (534, 17788), (562, 17881), (566, 17893), (582, 17938), (586, 17953), (628, 18085), (629, 18088), (654, 18187), (659, 18205), (672, 18256), (692, 18322), (709, 18385), (714, 18397),

Gene: ArcusAngelus_16 Start: 14845, Stop: 16554, Start Num: 114
Candidate Starts for ArcusAngelus_16:
(Start: 114 @14845 has 231 MA's), (171, 14932), (Start: 193 @14977 has 2 MA's), (202, 15001), (234, 15106), (236, 15112), (242, 15130), (259, 15160), (299, 15265), (321, 15325), (330, 15346), (333, 15355), (339, 15373), (341, 15379), (367, 15454), (371, 15466), (378, 15481), (381, 15487), (397, 15505), (402, 15520), (404, 15526), (410, 15547), (417, 15562), (418, 15565), (424, 15577), (426, 15583), (440, 15631), (445, 15643), (446, 15649), (481, 15709), (485, 15721), (497, 15757), (500, 15769), (501, 15772), (507, 15790), (527, 15844), (529, 15853), (538, 15871), (540, 15877), (578, 16012), (580, 16021), (581, 16024), (592, 16060), (622, 16099), (631, 16138), (656, 16237), (663, 16258), (671, 16291), (679, 16321), (686, 16351), (687, 16357), (688, 16360), (690, 16366), (698, 16381), (699, 16384), (703, 16408), (718, 16450), (732, 16522), (733, 16528),

Gene: Ardmore_16 Start: 14856, Stop: 16565, Start Num: 114
Candidate Starts for Ardmore_16:
(Start: 114 @14856 has 231 MA's), (171, 14943), (Start: 193 @14988 has 2 MA's), (202, 15012), (234, 15117), (236, 15123), (242, 15141), (259, 15171), (299, 15276), (321, 15336), (330, 15357), (333, 15366), (341, 15390), (367, 15465), (369, 15468), (397, 15516), (402, 15531), (404, 15537), (417, 15573), (418, 15576), (424, 15588), (426, 15594), (440, 15642), (445, 15654), (446, 15660), (481, 15720), (485, 15732), (497, 15768), (500, 15780), (527, 15855), (529, 15864), (538, 15882), (540, 15888), (549, 15918), (578, 16023), (580, 16032), (581, 16035), (592, 16071), (631, 16149), (656, 16248), (663, 16269), (671, 16302), (679, 16332), (686, 16362), (688, 16371), (690, 16377), (698, 16392), (699, 16395), (703, 16419), (714, 16449), (718, 16461), (723, 16491), (732, 16533),

Gene: Argent26_26 Start: 19736, Stop: 21415, Start Num: 119
Candidate Starts for Argent26_26:
(Start: 119 @19736 has 132 MA's), (Start: 169 @19820 has 49 MA's), (Start: 203 @19898 has 1 MA's), (231, 19985), (236, 20000), (259, 20048), (273, 20087), (305, 20174), (319, 20207), (333, 20243), (343, 20273), (345, 20279), (370, 20348), (399, 20378), (403, 20390), (404, 20393), (426, 20450), (483, 20582), (484, 20588), (505, 20654), (507, 20660), (513, 20684), (529, 20732), (540, 20756), (543, 20765), (562, 20840), (580, 20891), (585, 20906), (648, 21068), (654, 21095), (663, 21125), (689, 21230), (716, 21308), (723, 21344), (725, 21353), (732, 21386), (738, 21401),

Gene: Arib1_19 Start: 16391, Stop: 18127, Start Num: 107
Candidate Starts for Arib1_19:
(Start: 107 @16391 has 54 MA's), (159, 16472), (161, 16475), (187, 16526), (Start: 209 @16589 has 11 MA's), (211, 16595), (225, 16634), (235, 16667), (244, 16691), (294, 16811), (298, 16826), (305, 16850), (307, 16856), (339, 16940), (354, 16982), (367, 17021), (370, 17027), (396, 17066), (397, 17072), (405, 17096), (426, 17150), (432, 17171), (450, 17231), (487, 17309), (500, 17348), (511, 17381), (529, 17447), (540, 17471), (547, 17495), (555, 17525), (559, 17537), (590, 17639), (646, 17777), (667, 17861), (693, 17960), (714, 18017), (725, 18068), (738, 18116),

Gene: Ariel_34 Start: 24674, Stop: 26407, Start Num: 113
Candidate Starts for Ariel_34:
(Start: 113 @24674 has 31 MA's), (Start: 169 @24764 has 49 MA's), (171, 24767), (202, 24842), (Start: 209 @24869 has 11 MA's), (231, 24935), (244, 24971), (260, 25001), (266, 25016), (296, 25100), (307, 25136), (319, 25163), (334, 25202), (345, 25235), (348, 25244), (369, 25301), (386, 25343), (422, 25418), (426, 25430), (445, 25490), (470, 25544), (483, 25574), (487, 25592), (491,

25601), (501, 25634), (505, 25646), (507, 25652), (520, 25691), (540, 25748), (585, 25898), (590, 25916), (621, 25958), (627, 25982), (628, 25985), (631, 26000), (640, 26030), (648, 26060), (663, 26117), (705, 26267), (734, 26387), (738, 26393),

Gene: Aroostook_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Aroostook_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Arti_41 Start: 29812, Stop: 31425, Start Num: 109
Candidate Starts for Arti_41:
(Start: 109 @29812 has 43 MA's), (Start: 141 @29848 has 1 MA's), (152, 29866), (185, 29926), (280, 30166), (287, 30178), (292, 30193), (316, 30259), (324, 30274), (332, 30298), (333, 30301), (365, 30385), (385, 30415), (387, 30418), (417, 30475), (434, 30523), (435, 30526), (442, 30547), (488, 30652), (504, 30697), (531, 30739), (583, 30913), (592, 30943), (593, 30949), (642, 31057), (643, 31060), (663, 31135), (723, 31354), (738, 31411),

Gene: Asayake_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Asayake_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: Ashwin_58 Start: 33959, Stop: 35695, Start Num: 94
Candidate Starts for Ashwin_58:
(Start: 89 @33950 has 2 MA's), (Start: 94 @33959 has 30 MA's), (Start: 156 @34049 has 1 MA's), (207, 34166), (219, 34202), (226, 34223), (234, 34250), (236, 34256), (249, 34286), (261, 34310), (283, 34361), (333, 34499), (335, 34505), (352, 34556), (354, 34559), (359, 34577), (397, 34628), (404, 34649), (405, 34652), (424, 34700), (426, 34706), (440, 34754), (443, 34760), (445, 34766), (471, 34826), (481, 34850), (483, 34853), (497, 34898), (501, 34913), (504, 34922), (507, 34931), (522, 34976), (529, 34994), (543, 35027), (581, 35165), (587, 35186), (625, 35252), (632, 35282), (646, 35336), (656, 35378), (663, 35399), (667, 35420), (671, 35432), (676, 35453), (690, 35507), (716, 35585), (723, 35621), (727, 35642), (733, 35669),

Gene: Asriel_23 Start: 18698, Stop: 20293, Start Num: 169
Candidate Starts for Asriel_23:
(Start: 119 @18614 has 132 MA's), (Start: 169 @18698 has 49 MA's), (Start: 203 @18776 has 1 MA's), (231, 18863), (236, 18878), (259, 18926), (273, 18965), (305, 19052), (308, 19064), (319, 19085), (333, 19121), (343, 19151), (345, 19157), (370, 19226), (399, 19256), (403, 19268), (404, 19271), (426, 19328), (483, 19460), (484, 19466), (505, 19532), (507, 19538), (513, 19562), (529, 19610), (540, 19634), (543, 19643), (562, 19718), (580, 19769), (585, 19784), (648, 19946), (654, 19973), (663, 20003), (689, 20108), (716, 20186), (723, 20222), (725, 20231), (732, 20264), (738, 20279),

Gene: Atcoo_19 Start: 16260, Stop: 17996, Start Num: 107
Candidate Starts for Atcoo_19:

(Start: 90 @16236 has 2 MA's), (Start: 107 @16260 has 54 MA's), (148, 16320), (159, 16341), (161, 16344), (211, 16464), (225, 16503), (235, 16536), (244, 16560), (294, 16680), (305, 16719), (307, 16725), (339, 16809), (341, 16815), (345, 16827), (354, 16851), (362, 16878), (370, 16896), (396, 16935), (397, 16941), (405, 16965), (426, 17019), (429, 17031), (432, 17040), (450, 17100), (487, 17178), (500, 17217), (511, 17250), (529, 17316), (537, 17331), (540, 17340), (547, 17364), (555, 17394), (559, 17406), (590, 17508), (593, 17520), (594, 17523), (596, 17529), (616, 17538), (646, 17646), (667, 17730), (693, 17829), (725, 17937), (738, 17985),

Gene: Atiba_23 Start: 17117, Stop: 18883, Start Num: 82
Candidate Starts for Atiba_23:
(Start: 82 @17117 has 156 MA's), (Start: 103 @17147 has 1 MA's), (Start: 193 @17306 has 2 MA's), (204, 17339), (215, 17369), (225, 17402), (229, 17414), (268, 17504), (288, 17546), (309, 17618), (313, 17627), (330, 17666), (345, 17711), (355, 17732), (356, 17735), (398, 17789), (404, 17807), (420, 17849), (423, 17855), (431, 17882), (481, 18020), (486, 18038), (500, 18080), (506, 18098), (516, 18128), (529, 18155), (561, 18260), (617, 18419), (628, 18455), (636, 18485), (639, 18494), (657, 18569), (671, 18620), (701, 18719), (725, 18815), (733, 18854), (734, 18857), (745, 18875),

Gene: Attis_17 Start: 14751, Stop: 16460, Start Num: 123
Candidate Starts for Attis_17:
(51, 14616), (Start: 123 @14751 has 61 MA's), (210, 14940), (211, 14943), (236, 15018), (264, 15072), (292, 15141), (295, 15153), (324, 15231), (326, 15234), (376, 15366), (395, 15420), (410, 15471), (424, 15501), (443, 15561), (446, 15573), (474, 15609), (531, 15726), (539, 15744), (551, 15783), (577, 15879), (622, 15987), (691, 16263), (692, 16266), (702, 16314), (711, 16344),

Gene: Aubs_16 Start: 14966, Stop: 16675, Start Num: 114
Candidate Starts for Aubs_16:
(Start: 114 @14966 has 231 MA's), (171, 15053), (Start: 193 @15098 has 2 MA's), (202, 15122), (234, 15227), (236, 15233), (242, 15251), (259, 15281), (299, 15386), (321, 15446), (330, 15467), (333, 15476), (341, 15500), (367, 15575), (378, 15602), (381, 15608), (397, 15626), (402, 15641), (404, 15647), (417, 15683), (418, 15686), (424, 15698), (426, 15704), (440, 15752), (445, 15764), (446, 15770), (481, 15830), (485, 15842), (497, 15878), (500, 15890), (527, 15965), (529, 15974), (538, 15992), (540, 15998), (549, 16028), (578, 16133), (580, 16142), (581, 16145), (592, 16181), (631, 16259), (656, 16358), (663, 16379), (671, 16412), (679, 16442), (686, 16472), (688, 16481), (690, 16487), (698, 16502), (699, 16505), (703, 16529), (714, 16559), (718, 16571), (723, 16601), (732, 16643),

Gene: AuntGwenStacy_24 Start: 19608, Stop: 21443, Start Num: 47
Candidate Starts for AuntGwenStacy_24:
(Start: 47 @19608 has 6 MA's), (Start: 64 @19656 has 1 MA's), (68, 19665), (Start: 102 @19704 has 1 MA's), (135, 19734), (Start: 141 @19746 has 1 MA's), (160, 19782), (174, 19812), (177, 19821), (185, 19836), (204, 19887), (205, 19890), (239, 19989), (298, 20130), (315, 20181), (319, 20187), (334, 20226), (355, 20280), (404, 20349), (420, 20391), (432, 20427), (435, 20436), (457, 20514), (463, 20523), (470, 20553), (479, 20586), (481, 20589), (500, 20649), (508, 20673), (511, 20682), (541, 20751), (566, 20856), (567, 20859), (578, 20886), (642, 21069), (714, 21324), (733, 21414), (734, 21417), (736, 21420),

Gene: Avocado_18 Start: 16914, Stop: 18653, Start Num: 97
Candidate Starts for Avocado_18:
(Start: 77 @16905 has 26 MA's), (Start: 97 @16914 has 61 MA's), (125, 16944), (160, 17007), (162, 17010), (172, 17028), (185, 17061), (Start: 203 @17109 has 1 MA's), (204, 17112), (266, 17268), (269, 17283), (303, 17373), (320, 17415), (348, 17493), (404, 17589), (409, 17607), (420, 17631), (423, 17637), (435, 17676), (446, 17712), (458, 17757), (481, 17802), (512, 17898), (513, 17907), (542, 17964), (561, 18042), (567, 18069), (580, 18105), (607, 18159), (627, 18222), (635, 18252), (663,

18357), (668, 18381), (679, 18420), (696, 18471), (734, 18627), (736, 18630),

Gene: Avrafan_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Avrafan_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Awesomesauce_17 Start: 14672, Stop: 16381, Start Num: 114
Candidate Starts for Awesomesauce_17:
(Start: 114 @14672 has 231 MA's), (171, 14759), (Start: 193 @14804 has 2 MA's), (202, 14828), (234, 14933), (236, 14939), (242, 14957), (247, 14966), (259, 14987), (299, 15092), (321, 15152), (325, 15161), (330, 15173), (333, 15182), (341, 15206), (354, 15242), (356, 15248), (359, 15260), (367, 15281), (369, 15284), (371, 15293), (378, 15308), (381, 15314), (397, 15332), (402, 15347), (404, 15353), (409, 15371), (410, 15374), (417, 15389), (424, 15404), (426, 15410), (440, 15458), (445, 15470), (446, 15476), (481, 15536), (485, 15548), (487, 15557), (497, 15584), (500, 15596), (507, 15617), (527, 15671), (529, 15680), (540, 15704), (549, 15734), (578, 15839), (581, 15851), (592, 15887), (631, 15965), (656, 16064), (663, 16085), (671, 16118), (679, 16148), (686, 16178), (687, 16184), (688, 16187), (690, 16193), (698, 16208), (699, 16211), (702, 16232), (718, 16277), (732, 16349), (733, 16355),

Gene: Ayotoya_22 Start: 18130, Stop: 19836, Start Num: 130
Candidate Starts for Ayotoya_22:
(Start: 73 @18055 has 2 MA's), (Start: 130 @18130 has 17 MA's), (177, 18223), (185, 18238), (187, 18244), (215, 18319), (237, 18391), (286, 18502), (300, 18547), (305, 18565), (309, 18577), (402, 18748), (405, 18757), (406, 18763), (441, 18859), (453, 18910), (504, 19033), (516, 19072), (559, 19204), (593, 19318), (627, 19405), (656, 19519), (659, 19528), (688, 19633), (715, 19720), (745, 19828),

Gene: Azula_21 Start: 16962, Stop: 18611, Start Num: 150
Candidate Starts for Azula_21:
(Start: 130 @16926 has 17 MA's), (Start: 150 @16962 has 49 MA's), (155, 16971), (199, 17067), (223, 17145), (253, 17217), (264, 17244), (278, 17283), (306, 17364), (329, 17418), (426, 17604), (435, 17634), (478, 17733), (507, 17817), (513, 17841), (534, 17892), (562, 17985), (566, 17997), (582, 18042), (586, 18057), (628, 18189), (629, 18192), (654, 18291), (659, 18309), (672, 18360), (690, 18420), (692, 18426), (714, 18501),

Gene: AzulaCat_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for AzulaCat_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: BAKA_34 Start: 27001, Stop: 28999, Start Num: 113
Candidate Starts for BAKA_34:
(Start: 113 @27001 has 31 MA's), (Start: 169 @27091 has 49 MA's), (189, 27139), (202, 27169), (244, 27298), (260, 27328), (296, 27427), (307, 27463), (319, 27490), (345, 27562), (348, 27571), (356,

27592), (381, 27661), (404, 27700), (405, 27703), (409, 27718), (426, 27757), (440, 27805), (445, 27817), (446, 27823), (470, 27871), (472, 27880), (483, 27901), (487, 27919), (503, 27967), (538, 28069), (559, 28141), (569, 28186), (570, 28198), (571, 28333), (572, 28339), (573, 28363), (574, 28435), (576, 28462), (664, 28711),

Gene: BEEST_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for BEEST_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: BGlluviae_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for BGlluviae_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: BPs_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for BPs_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: BQuat_18 Start: 16631, Stop: 18394, Start Num: 77
Candidate Starts for BQuat_18:
(Start: 77 @16631 has 26 MA's), (Start: 97 @16640 has 61 MA's), (Start: 103 @16646 has 1 MA's), (111, 16652), (185, 16784), (204, 16835), (215, 16865), (222, 16889), (266, 16991), (281, 17030), (284, 17036), (290, 17051), (303, 17096), (348, 17216), (386, 17273), (404, 17312), (423, 17360), (431, 17387), (435, 17399), (458, 17480), (481, 17525), (551, 17723), (556, 17753), (561, 17771), (567, 17798), (594, 17882), (607, 17900), (614, 17915), (627, 17963), (630, 17978), (648, 18041), (663, 18098), (672, 18137), (682, 18179), (701, 18230), (725, 18326), (745, 18386),

Gene: BabeRuth_18 Start: 14993, Stop: 16702, Start Num: 119
Candidate Starts for BabeRuth_18:
(Start: 119 @14993 has 132 MA's), (139, 15020), (159, 15059), (Start: 193 @15125 has 2 MA's), (197, 15137), (208, 15173), (217, 15197), (225, 15224), (231, 15245), (234, 15254), (236, 15260), (252, 15293), (318, 15467), (321, 15473), (325, 15482), (329, 15491), (333, 15503), (341, 15527), (356, 15569), (367, 15602), (397, 15653), (398, 15656), (402, 15668), (417, 15710), (424, 15725), (426, 15731), (440, 15779), (460, 15833), (481, 15857), (504, 15929), (522, 15983), (527, 15992), (529, 16001), (540, 16025), (548, 16052), (549, 16055), (578, 16160), (580, 16169), (592, 16208), (632, 16289), (647, 16346), (656, 16385), (686, 16499), (698, 16529), (699, 16532), (703, 16556), (716, 16592),

Gene: BaboJay_23 Start: 19296, Stop: 20975, Start Num: 119

Candidate Starts for BaboJay_23:
(Start: 119 @19296 has 132 MA's), (Start: 169 @19380 has 49 MA's), (Start: 203 @19458 has 1 MA's), (231, 19545), (236, 19560), (259, 19608), (273, 19647), (305, 19734), (319, 19767), (333, 19803), (343, 19833), (345, 19839), (370, 19908), (399, 19938), (403, 19950), (404, 19953), (426, 20010), (483, 20142), (484, 20148), (505, 20214), (507, 20220), (513, 20244), (529, 20292), (540, 20316), (543, 20325), (562, 20400), (580, 20451), (585, 20466), (648, 20628), (654, 20655), (663, 20685), (689, 20790), (716, 20868), (723, 20904), (725, 20913), (732, 20946), (738, 20961),

Gene: Babsiella_19 Start: 16430, Stop: 18163, Start Num: 123
Candidate Starts for Babsiella_19:
(Start: 123 @16430 has 61 MA's), (180, 16529), (184, 16538), (208, 16604), (217, 16628), (235, 16688), (236, 16691), (247, 16718), (318, 16898), (329, 16922), (333, 16934), (341, 16958), (397, 17084), (402, 17099), (405, 17108), (418, 17144), (426, 17162), (445, 17222), (522, 17414), (527, 17423), (529, 17432), (540, 17456), (580, 17600), (593, 17645), (640, 17747), (642, 17756), (646, 17774), (647, 17777), (686, 17936), (691, 17954), (698, 17990), (701, 18005), (716, 18053), (730, 18122),

Gene: BabyMoney_21 Start: 17999, Stop: 19657, Start Num: 109
Candidate Starts for BabyMoney_21:
(39, 17810), (49, 17870), (85, 17963), (Start: 109 @17999 has 43 MA's), (Start: 121 @18011 has 70 MA's), (185, 18125), (187, 18131), (205, 18179), (214, 18209), (232, 18275), (234, 18281), (288, 18392), (291, 18401), (298, 18428), (301, 18437), (307, 18458), (402, 18629), (403, 18632), (427, 18698), (432, 18713), (462, 18797), (473, 18806), (490, 18848), (497, 18869), (512, 18917), (514, 18929), (527, 18956), (551, 19025), (565, 19094), (578, 19127), (605, 19184), (628, 19235), (646, 19304), (668, 19391), (672, 19406), (689, 19463), (692, 19472), (715, 19550), (717, 19556),

Gene: Bachita_50 Start: 30042, Stop: 31733, Start Num: 104
Candidate Starts for Bachita_50:
(Start: 104 @30042 has 17 MA's), (146, 30102), (165, 30135), (179, 30168), (225, 30294), (236, 30327), (239, 30336), (300, 30465), (317, 30513), (426, 30726), (427, 30732), (435, 30756), (490, 30885), (497, 30906), (507, 30939), (562, 31137), (629, 31290), (654, 31389), (657, 31401), (660, 31410), (681, 31494), (724, 31641), (731, 31677), (734, 31689),

Gene: BadStone_23 Start: 19745, Stop: 21424, Start Num: 119
Candidate Starts for BadStone_23:
(Start: 119 @19745 has 132 MA's), (Start: 169 @19829 has 49 MA's), (Start: 203 @19907 has 1 MA's), (231, 19994), (236, 20009), (259, 20057), (273, 20096), (305, 20183), (319, 20216), (333, 20252), (343, 20282), (345, 20288), (370, 20357), (399, 20387), (403, 20399), (404, 20402), (426, 20459), (483, 20591), (484, 20597), (505, 20663), (507, 20669), (513, 20693), (529, 20741), (540, 20765), (543, 20774), (562, 20849), (580, 20900), (585, 20915), (648, 21077), (654, 21104), (663, 21134), (689, 21239), (716, 21317), (723, 21353), (725, 21362), (732, 21395), (738, 21410),

Gene: BaghaKamala_23 Start: 17117, Stop: 18883, Start Num: 82
Candidate Starts for BaghaKamala_23:
(Start: 82 @17117 has 156 MA's), (Start: 103 @17147 has 1 MA's), (Start: 193 @17306 has 2 MA's), (204, 17339), (215, 17369), (225, 17402), (229, 17414), (268, 17504), (288, 17546), (309, 17618), (313, 17627), (330, 17666), (345, 17711), (355, 17732), (356, 17735), (398, 17789), (404, 17807), (420, 17849), (423, 17855), (431, 17882), (481, 18020), (486, 18038), (500, 18080), (506, 18098), (516, 18128), (529, 18155), (561, 18260), (617, 18419), (628, 18455), (636, 18485), (639, 18494), (657, 18569), (671, 18620), (725, 18815), (733, 18854), (734, 18857), (745, 18875),

Gene: Balomoji_23 Start: 19479, Stop: 21158, Start Num: 119
Candidate Starts for Balomoji_23:

(Start: 119 @19479 has 132 MA's), (Start: 169 @19563 has 49 MA's), (Start: 203 @19641 has 1 MA's), (231, 19728), (236, 19743), (259, 19791), (273, 19830), (305, 19917), (319, 19950), (333, 19986), (343, 20016), (345, 20022), (370, 20091), (399, 20121), (403, 20133), (404, 20136), (426, 20193), (483, 20325), (484, 20331), (505, 20397), (507, 20403), (513, 20427), (529, 20475), (540, 20499), (543, 20508), (562, 20583), (580, 20634), (585, 20649), (648, 20811), (654, 20838), (663, 20868), (689, 20973), (716, 21051), (723, 21087), (725, 21096), (732, 21129), (738, 21144),

Gene: BananenDer11_21 Start: 17552, Stop: 19324, Start Num: 87
Candidate Starts for BananenDer11_21:
(Start: 87 @17552 has 18 MA's), (Start: 89 @17558 has 2 MA's), (106, 17582), (135, 17615), (160, 17663), (185, 17717), (204, 17768), (225, 17831), (269, 17939), (309, 18047), (355, 18161), (356, 18164), (384, 18203), (398, 18218), (402, 18230), (404, 18236), (417, 18272), (420, 18278), (423, 18284), (435, 18323), (443, 18347), (481, 18449), (501, 18512), (561, 18692), (591, 18791), (621, 18869), (627, 18893), (629, 18899), (638, 18932), (657, 19010), (659, 19016), (702, 19169), (728, 19274), (729, 19277), (733, 19295),

Gene: Banquo_26 Start: 17827, Stop: 19155, Start Num: 209
Candidate Starts for Banquo_26:
(Start: 209 @17827 has 11 MA's), (218, 17845), (263, 17953), (297, 18043), (307, 18076), (330, 18133), (336, 18151), (339, 18160), (346, 18181), (349, 18190), (360, 18223), (382, 18256), (439, 18319), (448, 18349), (451, 18358), (462, 18367), (474, 18376), (542, 18496), (550, 18523), (559, 18568), (566, 18598), (578, 18628), (617, 18700), (627, 18733), (629, 18739), (675, 18910), (692, 18961), (714, 19045), (717, 19054), (720, 19072), (740, 19144),

Gene: Bantam_30 Start: 27105, Stop: 28868, Start Num: 107
Candidate Starts for Bantam_30:
(46, 26973), (Start: 107 @27105 has 54 MA's), (146, 27162), (212, 27315), (238, 27390), (300, 27522), (317, 27570), (348, 27654), (404, 27816), (405, 27819), (422, 27861), (426, 27873), (427, 27879), (446, 27939), (447, 27945), (500, 28065), (511, 28098), (526, 28146), (562, 28272), (585, 28338), (654, 28524), (657, 28536), (677, 28614), (696, 28668), (746, 28860),

Gene: Barbarian_23 Start: 18698, Stop: 20293, Start Num: 169
Candidate Starts for Barbarian_23:
(Start: 119 @18614 has 132 MA's), (Start: 169 @18698 has 49 MA's), (Start: 203 @18776 has 1 MA's), (231, 18863), (236, 18878), (259, 18926), (273, 18965), (305, 19052), (308, 19064), (319, 19085), (333, 19121), (343, 19151), (345, 19157), (370, 19226), (399, 19256), (403, 19268), (404, 19271), (426, 19328), (483, 19460), (484, 19466), (505, 19532), (507, 19538), (513, 19562), (529, 19610), (540, 19634), (543, 19643), (562, 19718), (580, 19769), (585, 19784), (648, 19946), (654, 19973), (663, 20003), (689, 20108), (716, 20186), (723, 20222), (725, 20231), (732, 20264), (738, 20279),

Gene: Barco_19 Start: 16650, Stop: 18296, Start Num: 150
Candidate Starts for Barco_19:
(Start: 130 @16614 has 17 MA's), (Start: 150 @16650 has 49 MA's), (199, 16752), (223, 16830), (224, 16833), (264, 16929), (278, 16968), (306, 17049), (329, 17103), (334, 17118), (426, 17289), (435, 17319), (507, 17502), (513, 17526), (514, 17529), (534, 17577), (562, 17670), (566, 17682), (582, 17727), (586, 17742), (628, 17874), (629, 17877), (654, 17976), (659, 17994), (672, 18045), (692, 18111), (709, 18174), (714, 18186),

Gene: Barkley26_18 Start: 16652, Stop: 18406, Start Num: 97
Candidate Starts for Barkley26_18:
(32, 16439), (Start: 77 @16643 has 26 MA's), (Start: 97 @16652 has 61 MA's), (Start: 103 @16658 has 1 MA's), (111, 16664), (160, 16742), (185, 16796), (204, 16847), (215, 16877), (222, 16901), (229,

16922), (266, 17003), (281, 17042), (284, 17048), (290, 17063), (303, 17108), (348, 17228), (386, 17285), (404, 17324), (420, 17366), (423, 17372), (431, 17399), (435, 17411), (458, 17492), (481, 17537), (497, 17585), (551, 17735), (556, 17765), (561, 17783), (567, 17810), (607, 17912), (614, 17927), (627, 17975), (630, 17990), (648, 18053), (663, 18110), (672, 18149), (682, 18191), (701, 18242), (725, 18338), (745, 18398),

Gene: BarrelRoll_23 Start: 17140, Stop: 18906, Start Num: 82
Candidate Starts for BarrelRoll_23:
(Start: 82 @17140 has 156 MA's), (Start: 103 @17170 has 1 MA's), (Start: 193 @17329 has 2 MA's), (204, 17362), (215, 17392), (225, 17425), (229, 17437), (268, 17527), (288, 17569), (309, 17641), (313, 17650), (330, 17689), (345, 17734), (355, 17755), (356, 17758), (398, 17812), (404, 17830), (420, 17872), (423, 17878), (431, 17905), (481, 18043), (486, 18061), (500, 18103), (506, 18121), (516, 18151), (529, 18178), (561, 18283), (617, 18442), (628, 18478), (636, 18508), (639, 18517), (657, 18592), (671, 18643), (725, 18838), (733, 18877), (734, 18880), (745, 18898),

Gene: Bartholomew_19 Start: 16385, Stop: 18121, Start Num: 107
Candidate Starts for Bartholomew_19:
(Start: 90 @16361 has 2 MA's), (Start: 107 @16385 has 54 MA's), (148, 16445), (159, 16466), (161, 16469), (211, 16589), (225, 16628), (235, 16661), (244, 16685), (294, 16805), (305, 16844), (307, 16850), (339, 16934), (341, 16940), (345, 16952), (354, 16976), (362, 17003), (370, 17021), (396, 17060), (397, 17066), (405, 17090), (426, 17144), (429, 17156), (432, 17165), (450, 17225), (487, 17303), (500, 17342), (511, 17375), (529, 17441), (537, 17456), (540, 17465), (547, 17489), (555, 17519), (559, 17531), (590, 17633), (593, 17645), (594, 17648), (596, 17654), (616, 17663), (646, 17771), (667, 17855), (693, 17954), (725, 18062), (738, 18110),

Gene: Bask21_24 Start: 19009, Stop: 20604, Start Num: 169
Candidate Starts for Bask21_24:
(Start: 119 @18925 has 132 MA's), (Start: 169 @19009 has 49 MA's), (Start: 203 @19087 has 1 MA's), (231, 19174), (236, 19189), (259, 19237), (273, 19276), (305, 19363), (319, 19396), (333, 19432), (343, 19462), (345, 19468), (370, 19537), (399, 19567), (403, 19579), (404, 19582), (426, 19639), (483, 19771), (484, 19777), (505, 19843), (507, 19849), (513, 19873), (529, 19921), (540, 19945), (543, 19954), (562, 20029), (580, 20080), (585, 20095), (648, 20257), (654, 20284), (663, 20314), (689, 20419), (716, 20497), (723, 20533), (725, 20542), (732, 20575), (738, 20590),

Gene: BatStarr_19 Start: 17764, Stop: 19362, Start Num: 121
Candidate Starts for BatStarr_19:
(Start: 121 @17764 has 70 MA's), (247, 18022), (259, 18040), (260, 18043), (280, 18097), (306, 18172), (333, 18241), (336, 18250), (340, 18262), (357, 18313), (367, 18340), (376, 18349), (378, 18352), (425, 18385), (443, 18442), (474, 18508), (521, 18619), (539, 18643), (550, 18679), (577, 18781), (593, 18838), (631, 18928), (692, 19168), (711, 19246),

Gene: Batiatus_16 Start: 14857, Stop: 16566, Start Num: 114
Candidate Starts for Batiatus_16:
(Start: 114 @14857 has 231 MA's), (171, 14944), (Start: 193 @14989 has 2 MA's), (202, 15013), (234, 15118), (236, 15124), (242, 15142), (259, 15172), (299, 15277), (321, 15337), (330, 15358), (333, 15367), (341, 15391), (356, 15433), (397, 15517), (402, 15532), (404, 15538), (417, 15574), (418, 15577), (424, 15589), (426, 15595), (440, 15643), (445, 15655), (446, 15661), (481, 15721), (485, 15733), (497, 15769), (500, 15781), (527, 15856), (529, 15865), (538, 15883), (540, 15889), (549, 15919), (578, 16024), (580, 16033), (581, 16036), (592, 16072), (631, 16150), (656, 16249), (663, 16270), (671, 16303), (679, 16333), (686, 16363), (688, 16372), (690, 16378), (698, 16393), (699, 16396), (703, 16420), (714, 16450), (718, 16462), (723, 16492), (732, 16534),

Gene: BaxterFox_18 Start: 17103, Stop: 18701, Start Num: 121

Candidate Starts for BaxterFox_18:
(Start: 121 @17103 has 70 MA's), (247, 17361), (259, 17379), (260, 17382), (280, 17436), (306, 17511), (333, 17580), (336, 17589), (340, 17601), (344, 17613), (357, 17652), (367, 17679), (376, 17688), (378, 17691), (425, 17724), (443, 17781), (474, 17847), (521, 17958), (550, 18018), (577, 18120), (593, 18177), (631, 18267), (692, 18507), (711, 18585),

Gene: Beakin_17 Start: 14663, Stop: 16372, Start Num: 114
Candidate Starts for Beakin_17:
(Start: 114 @14663 has 231 MA's), (171, 14750), (Start: 193 @14795 has 2 MA's), (202, 14819), (234, 14924), (236, 14930), (242, 14948), (259, 14978), (299, 15083), (321, 15143), (330, 15164), (333, 15173), (339, 15191), (341, 15197), (367, 15272), (397, 15323), (402, 15338), (404, 15344), (417, 15380), (418, 15383), (424, 15395), (426, 15401), (440, 15449), (445, 15461), (446, 15467), (481, 15527), (485, 15539), (497, 15575), (500, 15587), (527, 15662), (529, 15671), (538, 15689), (540, 15695), (549, 15725), (578, 15830), (580, 15839), (581, 15842), (592, 15878), (631, 15956), (656, 16055), (663, 16076), (671, 16109), (679, 16139), (686, 16169), (688, 16178), (690, 16184), (698, 16199), (699, 16202), (703, 16226), (714, 16256), (718, 16268), (723, 16298), (732, 16340),

Gene: Beanstalk_17 Start: 14807, Stop: 16516, Start Num: 114
Candidate Starts for Beanstalk_17:
(Start: 114 @14807 has 231 MA's), (171, 14894), (Start: 193 @14939 has 2 MA's), (202, 14963), (207, 14984), (234, 15068), (236, 15074), (242, 15092), (259, 15122), (299, 15227), (321, 15287), (330, 15308), (333, 15317), (341, 15341), (397, 15467), (402, 15482), (404, 15488), (417, 15524), (418, 15527), (424, 15539), (426, 15545), (440, 15593), (445, 15605), (446, 15611), (481, 15671), (485, 15683), (497, 15719), (500, 15731), (527, 15806), (529, 15815), (540, 15839), (549, 15869), (578, 15974), (581, 15986), (592, 16022), (621, 16058), (622, 16061), (631, 16100), (656, 16199), (663, 16220), (671, 16253), (679, 16283), (686, 16313), (688, 16322), (690, 16328), (698, 16343), (699, 16346), (702, 16367), (703, 16370), (718, 16412), (723, 16442), (732, 16484), (733, 16490),

Gene: BearBQ_19 Start: 17400, Stop: 19109, Start Num: 110
Candidate Starts for BearBQ_19:
(Start: 110 @17400 has 31 MA's), (Start: 122 @17412 has 1 MA's), (124, 17415), (177, 17517), (195, 17553), (216, 17619), (250, 17712), (269, 17763), (272, 17772), (282, 17790), (298, 17832), (300, 17838), (307, 17862), (308, 17868), (315, 17886), (336, 17937), (338, 17943), (348, 17973), (396, 18015), (404, 18042), (412, 18066), (431, 18117), (432, 18120), (442, 18150), (500, 18300), (555, 18462), (575, 18528), (578, 18537), (581, 18549), (584, 18558), (623, 18651), (628, 18672), (630, 18684), (632, 18690), (635, 18699), (636, 18702), (649, 18756), (657, 18786), (675, 18855), (698, 18942), (700, 18948), (713, 18999), (732, 19086), (741, 19104),

Gene: Becksu_24 Start: 20013, Stop: 21608, Start Num: 169
Candidate Starts for Becksu_24:
(Start: 119 @19929 has 132 MA's), (Start: 169 @20013 has 49 MA's), (Start: 203 @20091 has 1 MA's), (231, 20178), (236, 20193), (259, 20241), (273, 20280), (305, 20367), (319, 20400), (333, 20436), (343, 20466), (345, 20472), (370, 20541), (399, 20571), (403, 20583), (404, 20586), (426, 20643), (483, 20775), (484, 20781), (505, 20847), (507, 20853), (513, 20877), (529, 20925), (540, 20949), (543, 20958), (562, 21033), (580, 21084), (585, 21099), (648, 21261), (654, 21288), (663, 21318), (689, 21423), (716, 21501), (723, 21537), (725, 21546), (732, 21579), (738, 21594),

Gene: BeeGee_20 Start: 17530, Stop: 19236, Start Num: 110
Candidate Starts for BeeGee_20:
(Start: 91 @17506 has 1 MA's), (Start: 110 @17530 has 31 MA's), (175, 17635), (195, 17677), (219, 17752), (264, 17866), (315, 18013), (319, 18019), (336, 18064), (416, 18202), (442, 18277), (550, 18559), (554, 18580), (575, 18655), (612, 18742), (623, 18778), (630, 18811), (632, 18817), (649, 18883), (657, 18913), (698, 19069), (700, 19075), (702, 19093), (730, 19204),

Gene: Beenie_20 Start: 17703, Stop: 19283, Start Num: 121
Candidate Starts for Beenie_20:
(53, 17586), (Start: 121 @17703 has 70 MA's), (247, 17961), (260, 17982), (280, 18036), (295, 18075), (314, 18132), (324, 18153), (425, 18324), (430, 18342), (438, 18366), (445, 18387), (474, 18429), (504, 18510), (550, 18600), (559, 18645), (577, 18702), (578, 18705), (593, 18759), (631, 18849), (701, 19128), (702, 19137), (711, 19167),

Gene: Beezoo_23 Start: 17164, Stop: 18930, Start Num: 82
Candidate Starts for Beezoo_23:
(Start: 82 @17164 has 156 MA's), (Start: 103 @17194 has 1 MA's), (Start: 193 @17353 has 2 MA's), (204, 17386), (215, 17416), (225, 17449), (229, 17461), (268, 17551), (288, 17593), (309, 17665), (313, 17674), (330, 17713), (345, 17758), (355, 17779), (356, 17782), (398, 17836), (404, 17854), (420, 17896), (423, 17902), (431, 17929), (481, 18067), (486, 18085), (500, 18127), (506, 18145), (516, 18175), (529, 18202), (561, 18307), (617, 18466), (628, 18502), (639, 18541), (657, 18616), (671, 18667), (725, 18862), (733, 18901), (734, 18904), (745, 18922),

Gene: Begonia_20 Start: 17128, Stop: 18774, Start Num: 150
Candidate Starts for Begonia_20:
(Start: 130 @17092 has 17 MA's), (Start: 150 @17128 has 49 MA's), (199, 17230), (223, 17308), (264, 17407), (278, 17446), (306, 17527), (329, 17581), (334, 17596), (426, 17767), (435, 17797), (507, 17980), (513, 18004), (534, 18055), (562, 18148), (566, 18160), (582, 18205), (586, 18220), (628, 18352), (629, 18355), (654, 18454), (659, 18472), (672, 18523), (692, 18589), (709, 18652), (714, 18664),

Gene: Bella96_23 Start: 17084, Stop: 18850, Start Num: 82
Candidate Starts for Bella96_23:
(Start: 82 @17084 has 156 MA's), (Start: 103 @17114 has 1 MA's), (Start: 193 @17273 has 2 MA's), (204, 17306), (215, 17336), (225, 17369), (229, 17381), (268, 17471), (288, 17513), (309, 17585), (313, 17594), (330, 17633), (345, 17678), (356, 17702), (404, 17774), (420, 17816), (423, 17822), (431, 17849), (481, 17987), (486, 18005), (500, 18047), (506, 18065), (516, 18095), (529, 18122), (561, 18227), (588, 18317), (628, 18422), (636, 18452), (639, 18461), (657, 18536), (671, 18587), (725, 18782), (733, 18821), (734, 18824), (745, 18842),

Gene: Belladonna_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Belladonna_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: Belphegor_33 Start: 30018, Stop: 31643, Start Num: 123
Candidate Starts for Belphegor_33:
(Start: 81 @29961 has 1 MA's), (Start: 123 @30018 has 61 MA's), (132, 30030), (151, 30063), (177, 30114), (221, 30231), (225, 30243), (236, 30273), (262, 30318), (288, 30369), (299, 30408), (405, 30615), (416, 30645), (420, 30654), (432, 30690), (450, 30750), (481, 30798), (484, 30807), (504, 30870), (514, 30906), (518, 30915), (532, 30945), (546, 30984), (566, 31071), (567, 31074), (602, 31152), (628, 31212), (640, 31257), (659, 31338), (673, 31392), (701, 31488), (725, 31584), (732, 31617),

Gene: Bench_26 Start: 19690, Stop: 21285, Start Num: 169

Candidate Starts for Bench_26:
(Start: 119 @19606 has 132 MA's), (Start: 169 @19690 has 49 MA's), (Start: 203 @19768 has 1 MA's), (231, 19855), (236, 19870), (259, 19918), (273, 19957), (305, 20044), (319, 20077), (333, 20113), (343, 20143), (345, 20149), (370, 20218), (399, 20248), (403, 20260), (404, 20263), (426, 20320), (483, 20452), (484, 20458), (505, 20524), (507, 20530), (513, 20554), (529, 20602), (540, 20626), (543, 20635), (562, 20710), (580, 20761), (585, 20776), (648, 20938), (654, 20965), (663, 20995), (689, 21100), (716, 21178), (723, 21214), (725, 21223), (732, 21256), (738, 21271),

Gene: Bern_23 Start: 17112, Stop: 18878, Start Num: 82
Candidate Starts for Bern_23:
(Start: 82 @17112 has 156 MA's), (Start: 103 @17142 has 1 MA's), (Start: 193 @17301 has 2 MA's), (204, 17334), (215, 17364), (225, 17397), (229, 17409), (268, 17499), (288, 17541), (309, 17613), (313, 17622), (330, 17661), (345, 17706), (348, 17715), (356, 17730), (404, 17802), (420, 17844), (423, 17850), (431, 17877), (481, 18015), (486, 18033), (500, 18075), (506, 18093), (516, 18123), (529, 18150), (561, 18255), (628, 18450), (636, 18480), (639, 18489), (657, 18564), (671, 18615), (701, 18714), (716, 18765), (725, 18810), (733, 18849), (734, 18852), (745, 18870),

Gene: BetterKatz_22 Start: 17603, Stop: 19309, Start Num: 130
Candidate Starts for BetterKatz_22:
(Start: 73 @17528 has 2 MA's), (Start: 130 @17603 has 17 MA's), (177, 17696), (185, 17711), (187, 17717), (215, 17792), (237, 17864), (286, 17975), (300, 18020), (305, 18038), (309, 18050), (402, 18221), (405, 18230), (406, 18236), (420, 18269), (441, 18332), (453, 18383), (472, 18407), (479, 18431), (504, 18506), (516, 18545), (559, 18677), (593, 18791), (627, 18878), (656, 18992), (659, 19001), (688, 19106), (715, 19193), (745, 19301),

Gene: Bhagsy_19 Start: 16392, Stop: 18128, Start Num: 107
Candidate Starts for Bhagsy_19:
(Start: 90 @16368 has 2 MA's), (Start: 107 @16392 has 54 MA's), (148, 16452), (159, 16473), (161, 16476), (211, 16596), (225, 16635), (235, 16668), (244, 16692), (294, 16812), (305, 16851), (307, 16857), (339, 16941), (341, 16947), (345, 16959), (354, 16983), (362, 17010), (370, 17028), (396, 17067), (397, 17073), (405, 17097), (426, 17151), (429, 17163), (432, 17172), (450, 17232), (487, 17310), (500, 17349), (511, 17382), (529, 17448), (537, 17463), (540, 17472), (547, 17496), (555, 17526), (559, 17538), (590, 17640), (593, 17652), (594, 17655), (596, 17661), (616, 17670), (646, 17778), (667, 17862), (693, 17961), (725, 18069), (738, 18117),

Gene: BiPauneto_44 Start: 29578, Stop: 31182, Start Num: 121
Candidate Starts for BiPauneto_44:
(Start: 109 @29566 has 43 MA's), (Start: 118 @29575 has 1 MA's), (Start: 121 @29578 has 70 MA's), (Start: 141 @29602 has 1 MA's), (185, 29680), (259, 29863), (280, 29920), (287, 29932), (292, 29947), (316, 30013), (324, 30028), (332, 30052), (365, 30139), (368, 30145), (385, 30169), (417, 30229), (428, 30259), (435, 30280), (480, 30385), (488, 30406), (531, 30493), (549, 30541), (583, 30667), (593, 30703), (656, 30868), (662, 30886), (671, 30922), (721, 31096), (723, 31108), (738, 31165),

Gene: Bialota_19 Start: 17776, Stop: 19374, Start Num: 121
Candidate Starts for Bialota_19:
(Start: 121 @17776 has 70 MA's), (240, 18025), (247, 18034), (259, 18052), (260, 18055), (280, 18109), (306, 18184), (333, 18253), (336, 18262), (340, 18274), (344, 18286), (357, 18325), (367, 18352), (376, 18361), (378, 18364), (425, 18397), (443, 18454), (474, 18520), (521, 18631), (550, 18691), (577, 18793), (593, 18850), (631, 18940), (692, 19180), (711, 19258),

Gene: BigBubba_25 Start: 19509, Stop: 21188, Start Num: 119
Candidate Starts for BigBubba_25:

(Start: 119 @19509 has 132 MA's), (Start: 169 @19593 has 49 MA's), (Start: 203 @19671 has 1 MA's), (231, 19758), (236, 19773), (259, 19821), (273, 19860), (305, 19947), (319, 19980), (333, 20016), (343, 20046), (345, 20052), (370, 20121), (399, 20151), (403, 20163), (404, 20166), (426, 20223), (483, 20355), (484, 20361), (505, 20427), (507, 20433), (513, 20457), (529, 20505), (540, 20529), (543, 20538), (562, 20613), (580, 20664), (585, 20679), (648, 20841), (654, 20868), (663, 20898), (689, 21003), (716, 21081), (723, 21117), (725, 21126), (732, 21159), (738, 21174),

Gene: BigHunkinEater_38 Start: 29992, Stop: 31614, Start Num: 123
Candidate Starts for BigHunkinEater_38:
(Start: 123 @29992 has 61 MA's), (140, 30013), (145, 30025), (175, 30076), (202, 30139), (225, 30211), (268, 30298), (290, 30349), (299, 30379), (330, 30460), (339, 30487), (405, 30586), (416, 30616), (420, 30625), (431, 30658), (432, 30661), (433, 30664), (436, 30673), (450, 30721), (481, 30769), (484, 30778), (514, 30877), (532, 30916), (538, 30928), (567, 31045), (581, 31084), (602, 31123), (627, 31180), (638, 31219), (640, 31228), (652, 31285), (655, 31297), (671, 31354), (672, 31360), (677, 31381), (688, 31414), (701, 31459), (732, 31588), (734, 31597),

Gene: BigNuz_18 Start: 16129, Stop: 17865, Start Num: 107
Candidate Starts for BigNuz_18:
(Start: 107 @16129 has 54 MA's), (161, 16213), (Start: 209 @16327 has 11 MA's), (211, 16333), (219, 16354), (225, 16372), (235, 16405), (244, 16429), (305, 16588), (307, 16594), (349, 16708), (370, 16765), (396, 16804), (397, 16810), (405, 16834), (426, 16888), (429, 16900), (432, 16909), (450, 16969), (475, 17014), (481, 17026), (487, 17047), (500, 17086), (511, 17119), (513, 17131), (529, 17185), (540, 17209), (547, 17233), (555, 17263), (559, 17275), (590, 17377), (593, 17389), (596, 17398), (616, 17407), (646, 17515), (667, 17599), (693, 17698), (714, 17755), (738, 17854),

Gene: BigPhil_17 Start: 14635, Stop: 16344, Start Num: 114
Candidate Starts for BigPhil_17:
(Start: 114 @14635 has 231 MA's), (171, 14722), (Start: 193 @14767 has 2 MA's), (202, 14791), (234, 14896), (236, 14902), (242, 14920), (259, 14950), (299, 15055), (321, 15115), (330, 15136), (333, 15145), (341, 15169), (367, 15244), (369, 15247), (397, 15295), (402, 15310), (404, 15316), (417, 15352), (418, 15355), (424, 15367), (426, 15373), (440, 15421), (445, 15433), (446, 15439), (481, 15499), (485, 15511), (497, 15547), (500, 15559), (527, 15634), (529, 15643), (538, 15661), (540, 15667), (549, 15697), (578, 15802), (580, 15811), (581, 15814), (592, 15850), (631, 15928), (656, 16027), (663, 16048), (671, 16081), (679, 16111), (686, 16141), (688, 16150), (690, 16156), (698, 16171), (699, 16174), (703, 16198), (714, 16228), (718, 16240), (723, 16270), (732, 16312),

Gene: Biglebops_19 Start: 16697, Stop: 18463, Start Num: 82
Candidate Starts for Biglebops_19:
(Start: 82 @16697 has 156 MA's), (Start: 87 @16703 has 18 MA's), (Start: 103 @16727 has 1 MA's), (177, 16853), (185, 16868), (Start: 193 @16886 has 2 MA's), (215, 16949), (268, 17084), (269, 17090), (309, 17198), (313, 17207), (355, 17312), (402, 17381), (404, 17387), (417, 17423), (423, 17435), (443, 17498), (481, 17600), (486, 17618), (500, 17660), (501, 17663), (544, 17768), (561, 17840), (593, 17948), (595, 17954), (617, 17999), (632, 18053), (639, 18074), (657, 18149), (671, 18200), (701, 18299), (704, 18314), (716, 18350), (725, 18395), (733, 18434), (734, 18437), (745, 18455),

Gene: BilboSwaggins_24 Start: 19830, Stop: 21425, Start Num: 169
Candidate Starts for BilboSwaggins_24:
(Start: 119 @19746 has 132 MA's), (Start: 169 @19830 has 49 MA's), (Start: 203 @19908 has 1 MA's), (231, 19995), (236, 20010), (259, 20058), (273, 20097), (305, 20184), (319, 20217), (333, 20253), (343, 20283), (345, 20289), (370, 20358), (399, 20388), (403, 20400), (404, 20403), (426, 20460), (483, 20592), (484, 20598), (505, 20664), (507, 20670), (513, 20694), (529, 20742), (540, 20766), (543, 20775), (562, 20850), (580, 20901), (585, 20916), (648, 21078), (654, 21105), (663, 21135), (689, 21240), (716, 21318), (723, 21354), (725, 21363), (732, 21396), (738, 21411),

Gene: Bipolar_16 Start: 14807, Stop: 16516, Start Num: 114
Candidate Starts for Bipolar_16:
(Start: 114 @14807 has 231 MA's), (171, 14894), (Start: 193 @14939 has 2 MA's), (202, 14963), (234, 15068), (236, 15074), (242, 15092), (259, 15122), (299, 15227), (321, 15287), (330, 15308), (333, 15317), (341, 15341), (367, 15416), (369, 15419), (397, 15467), (402, 15482), (404, 15488), (417, 15524), (418, 15527), (424, 15539), (426, 15545), (440, 15593), (445, 15605), (446, 15611), (481, 15671), (485, 15683), (497, 15719), (500, 15731), (501, 15734), (527, 15806), (529, 15815), (538, 15833), (540, 15839), (549, 15869), (578, 15974), (580, 15983), (581, 15986), (592, 16022), (631, 16100), (656, 16199), (663, 16220), (671, 16253), (686, 16313), (688, 16322), (690, 16328), (698, 16343), (699, 16346), (703, 16370), (714, 16400), (718, 16412), (723, 16442), (732, 16484),

Gene: Bipper_24 Start: 19740, Stop: 21590, Start Num: 47
Candidate Starts for Bipper_24:
(Start: 47 @19740 has 6 MA's), (61, 19785), (Start: 141 @19884 has 1 MA's), (160, 19920), (174, 19950), (185, 19974), (204, 20025), (205, 20028), (239, 20127), (240, 20130), (298, 20268), (304, 20289), (315, 20319), (319, 20325), (334, 20364), (364, 20430), (399, 20472), (404, 20487), (420, 20529), (432, 20565), (435, 20574), (441, 20592), (457, 20652), (461, 20658), (463, 20661), (470, 20691), (479, 20724), (481, 20727), (490, 20754), (511, 20820), (591, 21069), (642, 21216), (661, 21288), (672, 21333), (679, 21357), (680, 21363), (714, 21471), (733, 21561), (734, 21564),

Gene: Birdsong_19 Start: 16293, Stop: 18002, Start Num: 110
Candidate Starts for Birdsong_19:
(Start: 110 @16293 has 31 MA's), (Start: 122 @16305 has 1 MA's), (124, 16308), (177, 16410), (195, 16446), (216, 16512), (269, 16656), (272, 16665), (282, 16683), (298, 16725), (300, 16731), (307, 16755), (315, 16779), (336, 16830), (338, 16836), (348, 16866), (396, 16908), (402, 16929), (404, 16935), (412, 16959), (431, 17010), (432, 17013), (442, 17043), (500, 17193), (512, 17229), (555, 17355), (575, 17421), (578, 17430), (581, 17442), (584, 17451), (623, 17544), (628, 17565), (630, 17577), (632, 17583), (634, 17589), (636, 17595), (649, 17649), (657, 17679), (675, 17748), (698, 17835), (700, 17841), (713, 17892), (732, 17979), (741, 17997),

Gene: Bjanes7_17 Start: 14751, Stop: 16460, Start Num: 123
Candidate Starts for Bjanes7_17:
(51, 14616), (Start: 123 @14751 has 61 MA's), (210, 14940), (211, 14943), (236, 15018), (264, 15072), (292, 15141), (295, 15153), (324, 15231), (326, 15234), (376, 15366), (395, 15420), (410, 15471), (424, 15501), (443, 15561), (446, 15573), (474, 15609), (531, 15726), (539, 15744), (551, 15783), (577, 15879), (622, 15987), (691, 16263), (692, 16266), (702, 16314), (711, 16344),

Gene: Blessica_57 Start: 33788, Stop: 35524, Start Num: 94
Candidate Starts for Blessica_57:
(Start: 89 @33779 has 2 MA's), (Start: 94 @33788 has 30 MA's), (Start: 156 @33878 has 1 MA's), (207, 33995), (219, 34031), (226, 34052), (234, 34079), (236, 34085), (249, 34115), (261, 34139), (283, 34190), (333, 34328), (335, 34334), (352, 34385), (354, 34388), (359, 34406), (397, 34457), (404, 34478), (405, 34481), (424, 34529), (426, 34535), (440, 34583), (443, 34589), (445, 34595), (471, 34655), (481, 34679), (483, 34682), (497, 34727), (501, 34742), (504, 34751), (507, 34760), (522, 34805), (529, 34823), (543, 34856), (581, 34994), (587, 35015), (625, 35081), (632, 35111), (646, 35165), (656, 35207), (663, 35228), (667, 35249), (671, 35261), (676, 35282), (690, 35336), (716, 35414), (723, 35450), (727, 35471), (733, 35498),

Gene: Blexus_16 Start: 14994, Stop: 16703, Start Num: 114
Candidate Starts for Blexus_16:
(Start: 114 @14994 has 231 MA's), (171, 15081), (Start: 193 @15126 has 2 MA's), (202, 15150), (219, 15207), (234, 15255), (236, 15261), (242, 15279), (259, 15309), (299, 15414), (321, 15474), (330,

15495), (333, 15504), (341, 15528), (397, 15654), (402, 15669), (404, 15675), (417, 15711), (418, 15714), (424, 15726), (426, 15732), (440, 15780), (445, 15792), (446, 15798), (481, 15858), (485, 15870), (497, 15906), (500, 15918), (527, 15993), (529, 16002), (538, 16020), (540, 16026), (549, 16056), (578, 16161), (581, 16173), (592, 16209), (631, 16287), (656, 16386), (663, 16407), (671, 16440), (679, 16470), (686, 16500), (688, 16509), (690, 16515), (698, 16530), (699, 16533), (702, 16554), (703, 16557), (718, 16599), (723, 16629), (732, 16671),

Gene: BlingBling_19 Start: 16650, Stop: 18296, Start Num: 150
Candidate Starts for BlingBling_19:
(Start: 130 @16614 has 17 MA's), (Start: 150 @16650 has 49 MA's), (199, 16752), (223, 16830), (224, 16833), (264, 16929), (278, 16968), (306, 17049), (329, 17103), (334, 17118), (426, 17289), (435, 17319), (507, 17502), (513, 17526), (514, 17529), (534, 17577), (562, 17670), (566, 17682), (582, 17727), (586, 17742), (628, 17874), (629, 17877), (654, 17976), (659, 17994), (672, 18045), (692, 18111), (709, 18174), (714, 18186),

Gene: Blino_19 Start: 16618, Stop: 18264, Start Num: 150
Candidate Starts for Blino_19:
(Start: 130 @16582 has 17 MA's), (Start: 150 @16618 has 49 MA's), (199, 16720), (223, 16798), (224, 16801), (264, 16897), (278, 16936), (306, 17017), (329, 17071), (334, 17086), (426, 17257), (435, 17287), (507, 17470), (513, 17494), (534, 17545), (562, 17638), (566, 17650), (582, 17695), (586, 17710), (628, 17842), (629, 17845), (654, 17944), (659, 17962), (672, 18013), (690, 18073), (692, 18079), (709, 18142), (714, 18154),

Gene: Blizzard_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Blizzard_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: BloominB_22 Start: 17406, Stop: 19148, Start Num: 80
Candidate Starts for BloominB_22:
(Start: 80 @17406 has 43 MA's), (Start: 87 @17415 has 18 MA's), (120, 17457), (152, 17508), (163, 17532), (170, 17544), (177, 17565), (185, 17580), (Start: 193 @17598 has 2 MA's), (204, 17631), (212, 17658), (236, 17730), (272, 17820), (304, 17904), (307, 17913), (315, 17934), (341, 18000), (354, 18027), (379, 18060), (398, 18078), (405, 18099), (409, 18114), (410, 18117), (435, 18183), (436, 18186), (453, 18252), (464, 18264), (472, 18273), (473, 18276), (501, 18363), (518, 18417), (541, 18462), (543, 18468), (560, 18540), (567, 18570), (578, 18597), (588, 18633), (591, 18642), (627, 18720), (665, 18864), (669, 18882), (672, 18894), (676, 18909), (677, 18912), (682, 18933), (688, 18945), (702, 18993), (713, 19026), (729, 19101), (733, 19119), (745, 19140),

Gene: BlueCrab_16 Start: 14976, Stop: 16685, Start Num: 114
Candidate Starts for BlueCrab_16:
(Start: 114 @14976 has 231 MA's), (171, 15063), (Start: 193 @15108 has 2 MA's), (202, 15132), (234, 15237), (236, 15243), (242, 15261), (259, 15291), (299, 15396), (321, 15456), (330, 15477), (333, 15486), (341, 15510), (397, 15636), (402, 15651), (404, 15657), (417, 15693), (418, 15696), (424, 15708), (426, 15714), (440, 15762), (445, 15774), (446, 15780), (481, 15840), (485, 15852), (497, 15888), (500, 15900), (527, 15975), (529, 15984), (538, 16002), (540, 16008), (549, 16038), (578, 16143), (580, 16152), (581, 16155), (592, 16191), (631, 16269), (656, 16368), (663, 16389), (671, 16422), (679, 16452), (686, 16482), (688, 16491), (690, 16497), (698, 16512), (699, 16515), (702, 16536), (703, 16539), (718, 16581), (723, 16611), (732, 16653),

Gene: BlueNGold_100 Start: 60020, Stop: 61648, Start Num: 112
Candidate Starts for BlueNGold_100:
(Start: 112 @60020 has 4 MA's), (129, 60035), (132, 60038), (145, 60065), (177, 60122), (195, 60158), (205, 60191), (216, 60221), (217, 60224), (240, 60293), (248, 60299), (315, 60464), (333, 60506), (336, 60515), (339, 60524), (343, 60536), (416, 60656), (481, 60809), (500, 60869), (552, 61016), (555, 61037), (559, 61052), (583, 61130), (585, 61136), (636, 61253), (640, 61268), (654, 61325), (663, 61355), (671, 61388), (704, 61508), (738, 61637),

Gene: Blueberry_21 Start: 16962, Stop: 18611, Start Num: 150
Candidate Starts for Blueberry_21:
(Start: 130 @16926 has 17 MA's), (Start: 150 @16962 has 49 MA's), (155, 16971), (199, 17067), (223, 17145), (253, 17217), (264, 17244), (278, 17283), (306, 17364), (329, 17418), (426, 17604), (435, 17634), (478, 17733), (507, 17817), (513, 17841), (534, 17892), (562, 17985), (566, 17997), (582, 18042), (586, 18057), (628, 18189), (629, 18192), (654, 18291), (659, 18309), (672, 18360), (690, 18420), (692, 18426), (714, 18501),

Gene: Bluvara_19 Start: 16498, Stop: 18231, Start Num: 123
Candidate Starts for Bluvara_19:
(Start: 123 @16498 has 61 MA's), (180, 16597), (184, 16606), (208, 16672), (217, 16696), (235, 16756), (236, 16759), (247, 16786), (318, 16966), (329, 16990), (333, 17002), (341, 17026), (397, 17152), (402, 17167), (405, 17176), (418, 17212), (426, 17230), (522, 17482), (527, 17491), (540, 17524), (580, 17668), (593, 17713), (640, 17815), (642, 17824), (646, 17842), (647, 17845), (686, 18004), (691, 18022), (698, 18058), (701, 18073), (716, 18121), (730, 18190),

Gene: BobaPhett_16 Start: 14804, Stop: 16513, Start Num: 114
Candidate Starts for BobaPhett_16:
(Start: 114 @14804 has 231 MA's), (171, 14891), (Start: 193 @14936 has 2 MA's), (202, 14960), (219, 15017), (234, 15065), (236, 15071), (242, 15089), (259, 15119), (299, 15224), (318, 15278), (321, 15284), (325, 15293), (333, 15314), (341, 15338), (354, 15374), (356, 15380), (367, 15413), (369, 15416), (371, 15425), (378, 15440), (381, 15446), (397, 15464), (402, 15479), (404, 15485), (409, 15503), (410, 15506), (417, 15521), (424, 15536), (426, 15542), (440, 15590), (445, 15602), (446, 15608), (481, 15668), (485, 15680), (497, 15716), (500, 15728), (527, 15803), (529, 15812), (538, 15830), (540, 15836), (549, 15866), (578, 15971), (581, 15983), (592, 16019), (631, 16097), (663, 16217), (671, 16250), (679, 16280), (681, 16292), (686, 16310), (687, 16316), (688, 16319), (690, 16325), (698, 16340), (699, 16343), (702, 16364), (703, 16367), (718, 16409), (723, 16439), (732, 16481), (733, 16487),

Gene: Bobby_38 Start: 28176, Stop: 30174, Start Num: 113
Candidate Starts for Bobby_38:
(Start: 113 @28176 has 31 MA's), (Start: 169 @28266 has 49 MA's), (189, 28314), (202, 28344), (Start: 209 @28371 has 11 MA's), (244, 28473), (260, 28503), (278, 28554), (296, 28602), (307, 28638), (308, 28644), (319, 28665), (345, 28737), (348, 28746), (356, 28767), (404, 28875), (405, 28878), (409, 28893), (426, 28932), (440, 28980), (445, 28992), (446, 28998), (470, 29046), (472, 29055), (483, 29076), (487, 29094), (503, 29142), (538, 29244), (559, 29316), (569, 29361), (570, 29373), (571, 29508), (572, 29514), (573, 29538), (574, 29610), (576, 29637), (664, 29886),

Gene: Bobi_18 Start: 15396, Stop: 17105, Start Num: 114
Candidate Starts for Bobi_18:
(Start: 114 @15396 has 231 MA's), (171, 15483), (Start: 193 @15528 has 2 MA's), (202, 15552), (234, 15657), (236, 15663), (242, 15681), (259, 15711), (299, 15816), (321, 15876), (330, 15897), (333, 15906), (341, 15930), (397, 16056), (402, 16071), (404, 16077), (417, 16113), (418, 16116), (424, 16128), (426, 16134), (440, 16182), (445, 16194), (446, 16200), (481, 16260), (485, 16272), (497,

16308), (500, 16320), (527, 16395), (529, 16404), (538, 16422), (540, 16428), (549, 16458), (578, 16563), (580, 16572), (581, 16575), (592, 16611), (631, 16689), (656, 16788), (663, 16809), (671, 16842), (679, 16872), (686, 16902), (688, 16911), (690, 16917), (698, 16932), (699, 16935), (703, 16959), (714, 16989), (718, 17001), (723, 17031), (732, 17073),

Gene: Bobquesha_25 Start: 18364, Stop: 20154, Start Num: 80
Candidate Starts for Bobquesha_25:
(Start: 64 @18328 has 1 MA's), (Start: 77 @18358 has 26 MA's), (Start: 80 @18364 has 43 MA's), (Start: 82 @18367 has 156 MA's), (135, 18424), (160, 18472), (177, 18511), (185, 18526), (Start: 193 @18544 has 2 MA's), (204, 18577), (215, 18607), (229, 18652), (236, 18670), (268, 18742), (269, 18748), (284, 18778), (286, 18781), (305, 18844), (309, 18856), (369, 18991), (402, 19039), (404, 19045), (409, 19063), (423, 19093), (435, 19132), (481, 19258), (500, 19318), (501, 19321), (512, 19354), (561, 19522), (578, 19576), (591, 19621), (609, 19666), (617, 19690), (627, 19723), (636, 19756), (639, 19765), (654, 19828), (657, 19840), (671, 19891), (672, 19897), (702, 19999), (733, 20125), (745, 20146),

Gene: Bock_22 Start: 17353, Stop: 19059, Start Num: 130
Candidate Starts for Bock_22:
(Start: 73 @17278 has 2 MA's), (Start: 130 @17353 has 17 MA's), (177, 17446), (185, 17461), (187, 17467), (215, 17542), (237, 17614), (286, 17725), (300, 17770), (305, 17788), (309, 17800), (363, 17920), (402, 17971), (405, 17980), (406, 17986), (420, 18019), (441, 18082), (453, 18133), (472, 18157), (479, 18181), (504, 18256), (516, 18295), (559, 18427), (593, 18541), (627, 18628), (656, 18742), (659, 18751), (688, 18856), (715, 18943), (745, 19051),

Gene: BodEinwohner17_16 Start: 14976, Stop: 16685, Start Num: 114
Candidate Starts for BodEinwohner17_16:
(Start: 114 @14976 has 231 MA's), (171, 15063), (Start: 193 @15108 has 2 MA's), (202, 15132), (234, 15237), (236, 15243), (242, 15261), (259, 15291), (299, 15396), (321, 15456), (330, 15477), (333, 15486), (341, 15510), (397, 15636), (402, 15651), (404, 15657), (417, 15693), (418, 15696), (424, 15708), (426, 15714), (440, 15762), (445, 15774), (446, 15780), (481, 15840), (485, 15852), (497, 15888), (500, 15900), (527, 15975), (529, 15984), (538, 16002), (540, 16008), (549, 16038), (578, 16143), (581, 16155), (592, 16191), (631, 16269), (656, 16368), (663, 16389), (671, 16422), (679, 16452), (686, 16482), (688, 16491), (690, 16497), (698, 16512), (699, 16515), (702, 16536), (703, 16539), (718, 16581), (723, 16611), (732, 16653),

Gene: Bogg_24 Start: 18730, Stop: 20325, Start Num: 169
Candidate Starts for Bogg_24:
(Start: 119 @18646 has 132 MA's), (Start: 169 @18730 has 49 MA's), (Start: 203 @18808 has 1 MA's), (231, 18895), (236, 18910), (259, 18958), (273, 18997), (305, 19084), (319, 19117), (333, 19153), (343, 19183), (345, 19189), (370, 19258), (399, 19288), (403, 19300), (404, 19303), (426, 19360), (483, 19492), (484, 19498), (505, 19564), (507, 19570), (513, 19594), (529, 19642), (540, 19666), (543, 19675), (562, 19750), (580, 19801), (585, 19816), (648, 19978), (654, 20005), (663, 20035), (689, 20140), (716, 20218), (723, 20254), (725, 20263), (732, 20296), (738, 20311),

Gene: Bogie_18 Start: 16084, Stop: 17844, Start Num: 90
Candidate Starts for Bogie_18:
(Start: 90 @16084 has 2 MA's), (Start: 107 @16108 has 54 MA's), (148, 16168), (159, 16189), (161, 16192), (211, 16312), (225, 16351), (235, 16384), (244, 16408), (294, 16528), (305, 16567), (307, 16573), (339, 16657), (341, 16663), (345, 16675), (354, 16699), (362, 16726), (370, 16744), (396, 16783), (397, 16789), (405, 16813), (426, 16867), (429, 16879), (432, 16888), (450, 16948), (487, 17026), (500, 17065), (511, 17098), (529, 17164), (537, 17179), (540, 17188), (547, 17212), (555, 17242), (559, 17254), (590, 17356), (593, 17368), (594, 17371), (596, 17377), (616, 17386), (646, 17494), (667, 17578), (693, 17677), (725, 17785), (738, 17833),

Gene: Boiiii_23 Start: 17190, Stop: 18956, Start Num: 82
Candidate Starts for Boiiii_23:
(Start: 82 @17190 has 156 MA's), (Start: 103 @17220 has 1 MA's), (Start: 193 @17379 has 2 MA's), (204, 17412), (215, 17442), (225, 17475), (229, 17487), (268, 17577), (288, 17619), (309, 17691), (313, 17700), (330, 17739), (345, 17784), (355, 17805), (356, 17808), (398, 17862), (404, 17880), (420, 17922), (423, 17928), (431, 17955), (481, 18093), (486, 18111), (500, 18153), (506, 18171), (516, 18201), (529, 18228), (561, 18333), (617, 18492), (628, 18528), (636, 18558), (639, 18567), (657, 18642), (671, 18693), (725, 18888), (733, 18927), (734, 18930), (745, 18948),

Gene: Boilgate_20 Start: 17568, Stop: 19349, Start Num: 82
Candidate Starts for Boilgate_20:
(Start: 77 @17559 has 26 MA's), (Start: 80 @17565 has 43 MA's), (Start: 82 @17568 has 156 MA's), (Start: 141 @17631 has 1 MA's), (160, 17667), (185, 17721), (204, 17772), (215, 17802), (267, 17931), (268, 17937), (269, 17943), (284, 17973), (305, 18039), (309, 18051), (398, 18222), (404, 18240), (423, 18288), (431, 18315), (435, 18327), (443, 18351), (481, 18453), (483, 18456), (500, 18513), (507, 18534), (512, 18549), (525, 18588), (547, 18657), (561, 18717), (593, 18825), (609, 18861), (617, 18885), (636, 18951), (639, 18960), (654, 19023), (657, 19035), (672, 19092), (682, 19134), (697, 19170), (723, 19272), (733, 19320), (745, 19341),

Gene: Bombitas_33 Start: 26624, Stop: 28357, Start Num: 113
Candidate Starts for Bombitas_33:
(Start: 113 @26624 has 31 MA's), (Start: 169 @26714 has 49 MA's), (189, 26762), (202, 26792), (Start: 209 @26819 has 11 MA's), (244, 26921), (260, 26951), (296, 27050), (307, 27086), (308, 27092), (319, 27113), (345, 27185), (348, 27194), (356, 27215), (381, 27284), (404, 27323), (405, 27326), (409, 27341), (426, 27380), (440, 27428), (445, 27440), (446, 27446), (470, 27494), (472, 27503), (483, 27524), (487, 27542), (503, 27590), (538, 27692), (555, 27752), (559, 27764), (585, 27848), (588, 27860), (590, 27866), (593, 27878), (594, 27881), (624, 27920), (629, 27938), (639, 27974), (640, 27980), (663, 28067), (685, 28157), (701, 28199), (705, 28217), (715, 28247), (724, 28289), (738, 28343),

Gene: Bonum_44 Start: 30146, Stop: 31762, Start Num: 109
Candidate Starts for Bonum_44:
(Start: 109 @30146 has 43 MA's), (185, 30260), (216, 30344), (292, 30527), (316, 30593), (324, 30608), (332, 30632), (365, 30719), (385, 30749), (387, 30752), (417, 30809), (442, 30881), (488, 30986), (531, 31073), (549, 31121), (583, 31247), (593, 31283), (643, 31394), (663, 31469), (714, 31646), (723, 31688), (738, 31745),

Gene: Boomer_17 Start: 14621, Stop: 16330, Start Num: 114
Candidate Starts for Boomer_17:
(Start: 114 @14621 has 231 MA's), (171, 14708), (Start: 193 @14753 has 2 MA's), (202, 14777), (219, 14834), (234, 14882), (236, 14888), (242, 14906), (259, 14936), (299, 15041), (318, 15095), (321, 15101), (325, 15110), (330, 15122), (333, 15131), (341, 15155), (354, 15191), (356, 15197), (359, 15209), (367, 15230), (369, 15233), (371, 15242), (378, 15257), (381, 15263), (397, 15281), (402, 15296), (404, 15302), (409, 15320), (410, 15323), (417, 15338), (424, 15353), (426, 15359), (435, 15389), (440, 15407), (445, 15419), (446, 15425), (481, 15485), (485, 15497), (497, 15533), (500, 15545), (507, 15566), (527, 15620), (529, 15629), (540, 15653), (549, 15683), (578, 15788), (581, 15800), (592, 15836), (622, 15875), (631, 15914), (656, 16013), (663, 16034), (671, 16067), (679, 16097), (686, 16127), (688, 16136), (690, 16142), (698, 16157), (699, 16160), (702, 16181), (703, 16184), (718, 16226), (723, 16256), (732, 16298),

Gene: Boopy_101 Start: 60032, Stop: 61660, Start Num: 112
Candidate Starts for Boopy_101:

(Start: 112 @60032 has 4 MA's), (129, 60047), (132, 60050), (145, 60077), (177, 60134), (195, 60170), (205, 60203), (216, 60233), (217, 60236), (240, 60305), (248, 60311), (315, 60476), (333, 60518), (336, 60527), (339, 60536), (343, 60548), (416, 60668), (481, 60821), (500, 60881), (552, 61028), (555, 61049), (559, 61064), (583, 61142), (585, 61148), (636, 61265), (640, 61280), (654, 61337), (663, 61367), (671, 61400), (704, 61520), (738, 61649),

Gene: BoostSeason_19 Start: 15039, Stop: 16808, Start Num: 80
Candidate Starts for BoostSeason_19:
(Start: 64 @15003 has 1 MA's), (Start: 77 @15033 has 26 MA's), (Start: 80 @15039 has 43 MA's), (Start: 97 @15054 has 61 MA's), (135, 15096), (160, 15144), (177, 15183), (185, 15198), (204, 15249), (215, 15279), (225, 15312), (229, 15324), (236, 15342), (268, 15414), (269, 15420), (305, 15516), (309, 15528), (346, 15624), (404, 15717), (420, 15759), (423, 15765), (435, 15804), (443, 15828), (446, 15840), (481, 15930), (484, 15939), (501, 15993), (511, 16023), (550, 16134), (561, 16185), (593, 16293), (636, 16407), (639, 16416), (657, 16491), (671, 16542), (672, 16548), (701, 16644), (717, 16698), (733, 16779), (745, 16800),

Gene: Bora_54 Start: 33145, Stop: 34881, Start Num: 94
Candidate Starts for Bora_54:
(Start: 89 @33136 has 2 MA's), (Start: 94 @33145 has 30 MA's), (Start: 156 @33235 has 1 MA's), (207, 33352), (219, 33388), (226, 33409), (234, 33436), (236, 33442), (249, 33472), (261, 33496), (283, 33547), (333, 33685), (335, 33691), (352, 33742), (354, 33745), (359, 33763), (397, 33814), (404, 33835), (405, 33838), (424, 33886), (426, 33892), (440, 33940), (443, 33946), (445, 33952), (471, 34012), (481, 34036), (483, 34039), (497, 34084), (501, 34099), (504, 34108), (507, 34117), (522, 34162), (529, 34180), (543, 34213), (581, 34351), (587, 34372), (625, 34438), (632, 34468), (646, 34522), (656, 34564), (663, 34585), (667, 34606), (671, 34618), (676, 34639), (690, 34693), (716, 34771), (723, 34807), (727, 34828), (733, 34855),

Gene: Bosection6_18 Start: 14989, Stop: 16698, Start Num: 119
Candidate Starts for Bosection6_18:
(Start: 119 @14989 has 132 MA's), (139, 15016), (Start: 193 @15121 has 2 MA's), (197, 15133), (208, 15169), (225, 15220), (234, 15250), (236, 15256), (247, 15283), (252, 15289), (299, 15409), (318, 15463), (321, 15469), (329, 15487), (333, 15499), (334, 15502), (341, 15523), (356, 15565), (367, 15598), (397, 15649), (402, 15664), (417, 15706), (424, 15721), (426, 15727), (440, 15775), (447, 15799), (460, 15829), (481, 15853), (500, 15913), (504, 15925), (522, 15979), (527, 15988), (548, 16048), (549, 16051), (578, 16156), (580, 16165), (592, 16204), (647, 16342), (685, 16492), (686, 16495), (688, 16504), (698, 16525), (703, 16552), (716, 16588), (738, 16681),

Gene: Bosnia_19 Start: 17764, Stop: 19362, Start Num: 121
Candidate Starts for Bosnia_19:
(Start: 121 @17764 has 70 MA's), (247, 18022), (259, 18040), (260, 18043), (280, 18097), (306, 18172), (333, 18241), (336, 18250), (340, 18262), (357, 18313), (367, 18340), (376, 18349), (378, 18352), (425, 18385), (443, 18442), (474, 18508), (521, 18619), (539, 18643), (550, 18679), (577, 18781), (593, 18838), (631, 18928), (692, 19168), (711, 19246),

Gene: BoyNamedSue_19 Start: 17776, Stop: 19374, Start Num: 121
Candidate Starts for BoyNamedSue_19:
(Start: 121 @17776 has 70 MA's), (247, 18034), (259, 18052), (260, 18055), (280, 18109), (306, 18184), (333, 18253), (336, 18262), (340, 18274), (344, 18286), (357, 18325), (367, 18352), (376, 18361), (378, 18364), (425, 18397), (443, 18454), (474, 18520), (521, 18631), (550, 18691), (577, 18793), (593, 18850), (631, 18940), (692, 19180), (711, 19258),

Gene: Bradissa_20 Start: 17713, Stop: 19419, Start Num: 110
Candidate Starts for Bradissa_20:

(Start: 91 @17689 has 1 MA's), (Start: 110 @17713 has 31 MA's), (145, 17761), (175, 17818), (195, 17860), (264, 18049), (315, 18196), (319, 18202), (336, 18247), (416, 18385), (442, 18460), (550, 18742), (554, 18763), (575, 18838), (612, 18925), (623, 18961), (630, 18994), (632, 19000), (649, 19066), (657, 19096), (698, 19252), (700, 19258), (702, 19276), (730, 19387),

Gene: Braxoaddie_45 Start: 31342, Stop: 32916, Start Num: 121
Candidate Starts for Braxoaddie_45:
(Start: 121 @31342 has 70 MA's), (129, 31351), (162, 31405), (183, 31429), (185, 31432), (293, 31702), (316, 31765), (324, 31780), (379, 31897), (387, 31912), (417, 31969), (422, 31978), (435, 32020), (442, 32041), (450, 32071), (482, 32128), (508, 32203), (553, 32299), (583, 32404), (584, 32407), (592, 32434), (632, 32512), (643, 32551), (682, 32707), (704, 32773),

Gene: Brewer_24 Start: 19994, Stop: 21673, Start Num: 119
Candidate Starts for Brewer_24:
(Start: 119 @19994 has 132 MA's), (Start: 169 @20078 has 49 MA's), (Start: 203 @20156 has 1 MA's), (231, 20243), (236, 20258), (259, 20306), (273, 20345), (305, 20432), (319, 20465), (333, 20501), (343, 20531), (345, 20537), (370, 20606), (399, 20636), (403, 20648), (404, 20651), (426, 20708), (483, 20840), (484, 20846), (505, 20912), (507, 20918), (513, 20942), (529, 20990), (540, 21014), (543, 21023), (562, 21098), (580, 21149), (585, 21164), (648, 21326), (654, 21353), (663, 21383), (689, 21488), (716, 21566), (723, 21602), (725, 21611), (732, 21644), (738, 21659),

Gene: BritBrat_20 Start: 17542, Stop: 19272, Start Num: 91
Candidate Starts for BritBrat_20:
(Start: 91 @17542 has 1 MA's), (Start: 110 @17566 has 31 MA's), (175, 17671), (195, 17713), (219, 17788), (264, 17902), (315, 18049), (319, 18055), (336, 18100), (416, 18238), (442, 18313), (550, 18595), (554, 18616), (575, 18691), (612, 18778), (623, 18814), (630, 18847), (632, 18853), (649, 18919), (657, 18949), (698, 19105), (700, 19111), (702, 19129), (730, 19240),

Gene: Brocalys_16 Start: 14792, Stop: 16501, Start Num: 114
Candidate Starts for Brocalys_16:
(Start: 114 @14792 has 231 MA's), (171, 14879), (Start: 193 @14924 has 2 MA's), (202, 14948), (234, 15053), (236, 15059), (242, 15077), (259, 15107), (299, 15212), (321, 15272), (330, 15293), (333, 15302), (341, 15326), (397, 15452), (402, 15467), (404, 15473), (417, 15509), (418, 15512), (424, 15524), (426, 15530), (440, 15578), (445, 15590), (446, 15596), (481, 15656), (485, 15668), (497, 15704), (500, 15716), (527, 15791), (529, 15800), (538, 15818), (540, 15824), (549, 15854), (578, 15959), (580, 15968), (581, 15971), (592, 16007), (631, 16085), (656, 16184), (663, 16205), (671, 16238), (679, 16268), (686, 16298), (688, 16307), (690, 16313), (698, 16328), (699, 16331), (703, 16355), (714, 16385), (718, 16397), (723, 16427), (732, 16469),

Gene: BronnyJames_28 Start: 23259, Stop: 24992, Start Num: 113
Candidate Starts for BronnyJames_28:
(Start: 113 @23259 has 31 MA's), (Start: 169 @23349 has 49 MA's), (171, 23352), (Start: 209 @23454 has 11 MA's), (231, 23520), (244, 23556), (260, 23586), (266, 23601), (296, 23685), (307, 23721), (319, 23748), (334, 23787), (345, 23820), (348, 23829), (369, 23886), (386, 23928), (422, 24003), (426, 24015), (445, 24075), (470, 24129), (483, 24159), (487, 24177), (491, 24186), (501, 24219), (505, 24231), (507, 24237), (520, 24276), (540, 24333), (585, 24483), (590, 24501), (621, 24543), (627, 24567), (628, 24570), (631, 24585), (640, 24615), (648, 24645), (663, 24702), (705, 24852), (734, 24972), (738, 24978),

Gene: BronnyJr_19 Start: 16231, Stop: 17967, Start Num: 107
Candidate Starts for BronnyJr_19:
(Start: 107 @16231 has 54 MA's), (159, 16312), (161, 16315), (187, 16366), (Start: 209 @16429 has 11 MA's), (211, 16435), (225, 16474), (235, 16507), (244, 16531), (294, 16651), (298, 16666), (305,

16690), (307, 16696), (339, 16780), (354, 16822), (367, 16861), (370, 16867), (396, 16906), (397, 16912), (405, 16936), (426, 16990), (432, 17011), (450, 17071), (487, 17149), (500, 17188), (511, 17221), (529, 17287), (540, 17311), (547, 17335), (555, 17365), (559, 17377), (590, 17479), (646, 17617), (667, 17701), (693, 17800), (714, 17857), (725, 17908), (738, 17956),

Gene: Brookers_17 Start: 14663, Stop: 16372, Start Num: 114
Candidate Starts for Brookers_17:
(Start: 114 @14663 has 231 MA's), (171, 14750), (Start: 193 @14795 has 2 MA's), (202, 14819), (234, 14924), (236, 14930), (242, 14948), (259, 14978), (299, 15083), (321, 15143), (330, 15164), (333, 15173), (341, 15197), (367, 15272), (369, 15275), (397, 15323), (402, 15338), (404, 15344), (417, 15380), (418, 15383), (424, 15395), (426, 15401), (440, 15449), (445, 15461), (446, 15467), (481, 15527), (485, 15539), (497, 15575), (500, 15587), (527, 15662), (529, 15671), (538, 15689), (540, 15695), (549, 15725), (578, 15830), (580, 15839), (581, 15842), (592, 15878), (631, 15956), (656, 16055), (663, 16076), (671, 16109), (679, 16139), (686, 16169), (688, 16178), (690, 16184), (698, 16199), (699, 16202), (703, 16226), (714, 16256), (718, 16268), (723, 16298), (732, 16340),

Gene: BruceB_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for BruceB_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Bruin_24 Start: 19853, Stop: 21448, Start Num: 169
Candidate Starts for Bruin_24:
(Start: 119 @19769 has 132 MA's), (Start: 169 @19853 has 49 MA's), (Start: 203 @19931 has 1 MA's), (231, 20018), (236, 20033), (259, 20081), (273, 20120), (305, 20207), (319, 20240), (333, 20276), (343, 20306), (345, 20312), (370, 20381), (399, 20411), (403, 20423), (404, 20426), (426, 20483), (483, 20615), (484, 20621), (505, 20687), (507, 20693), (513, 20717), (529, 20765), (540, 20789), (543, 20798), (562, 20873), (580, 20924), (585, 20939), (648, 21101), (654, 21128), (663, 21158), (689, 21263), (716, 21341), (723, 21377), (725, 21386), (732, 21419), (738, 21434),

Gene: Brujita_19 Start: 16495, Stop: 18228, Start Num: 123
Candidate Starts for Brujita_19:
(Start: 123 @16495 has 61 MA's), (180, 16594), (184, 16603), (208, 16669), (217, 16693), (235, 16753), (236, 16756), (247, 16783), (318, 16963), (329, 16987), (333, 16999), (341, 17023), (397, 17149), (402, 17164), (405, 17173), (418, 17209), (426, 17227), (445, 17287), (500, 17413), (522, 17479), (527, 17488), (529, 17497), (540, 17521), (580, 17665), (593, 17710), (640, 17812), (642, 17821), (646, 17839), (647, 17842), (686, 18001), (691, 18019), (698, 18055), (701, 18070), (716, 18118), (730, 18187),

Gene: Brusacoram_19 Start: 16385, Stop: 18121, Start Num: 107
Candidate Starts for Brusacoram_19:
(Start: 90 @16361 has 2 MA's), (Start: 107 @16385 has 54 MA's), (148, 16445), (159, 16466), (161, 16469), (211, 16589), (225, 16628), (235, 16661), (244, 16685), (294, 16805), (305, 16844), (307, 16850), (339, 16934), (341, 16940), (345, 16952), (354, 16976), (362, 17003), (370, 17021), (396, 17060), (397, 17066), (405, 17090), (426, 17144), (429, 17156), (432, 17165), (450, 17225), (487, 17303), (500, 17342), (511, 17375), (529, 17441), (537, 17456), (540, 17465), (547, 17489), (555, 17519), (559, 17531), (590, 17633), (593, 17645), (594, 17648), (596, 17654), (616, 17663), (646, 17771), (667, 17855), (693, 17954), (725, 18062), (738, 18110),

Gene: Brushbloom_17 Start: 14687, Stop: 16396, Start Num: 114
Candidate Starts for Brushbloom_17:
(Start: 114 @14687 has 231 MA's), (171, 14774), (Start: 193 @14819 has 2 MA's), (202, 14843), (234, 14948), (236, 14954), (242, 14972), (259, 15002), (299, 15107), (321, 15167), (330, 15188), (333, 15197), (341, 15221), (397, 15347), (402, 15362), (404, 15368), (417, 15404), (418, 15407), (424, 15419), (426, 15425), (440, 15473), (445, 15485), (446, 15491), (481, 15551), (485, 15563), (497, 15599), (500, 15611), (527, 15686), (529, 15695), (538, 15713), (540, 15719), (549, 15749), (578, 15854), (580, 15863), (581, 15866), (592, 15902), (631, 15980), (656, 16079), (663, 16100), (671, 16133), (679, 16163), (686, 16193), (688, 16202), (690, 16208), (698, 16223), (699, 16226), (703, 16250), (714, 16280), (718, 16292), (723, 16322), (732, 16364),

Gene: BrutonGaster_36 Start: 25954, Stop: 27642, Start Num: 104
Candidate Starts for BrutonGaster_36:
(Start: 104 @25954 has 17 MA's), (146, 26014), (153, 26023), (165, 26047), (210, 26164), (212, 26170), (235, 26236), (262, 26284), (298, 26371), (300, 26377), (317, 26425), (319, 26428), (335, 26470), (402, 26575), (426, 26638), (427, 26644), (435, 26668), (500, 26830), (528, 26920), (559, 27028), (562, 27046), (578, 27088), (598, 27133), (602, 27139), (629, 27199), (654, 27298), (657, 27310), (660, 27319), (716, 27511), (724, 27550), (731, 27586), (746, 27634),

Gene: Bryler_22 Start: 16350, Stop: 18116, Start Num: 82
Candidate Starts for Bryler_22:
(Start: 77 @16341 has 26 MA's), (Start: 82 @16350 has 156 MA's), (Start: 103 @16380 has 1 MA's), (177, 16506), (185, 16521), (Start: 193 @16539 has 2 MA's), (204, 16572), (215, 16602), (229, 16647), (268, 16737), (284, 16773), (309, 16851), (313, 16860), (345, 16944), (348, 16953), (355, 16965), (356, 16968), (369, 16986), (384, 17007), (398, 17022), (402, 17034), (404, 17040), (420, 17082), (423, 17088), (486, 17271), (506, 17331), (542, 17415), (547, 17433), (561, 17493), (584, 17568), (591, 17592), (617, 17652), (627, 17685), (628, 17688), (632, 17706), (639, 17727), (657, 17802), (671, 17853), (672, 17859), (677, 17880), (701, 17952), (716, 18003), (733, 18087), (734, 18090), (745, 18108),

Gene: Brylie_22 Start: 17344, Stop: 19050, Start Num: 130
Candidate Starts for Brylie_22:
(Start: 73 @17269 has 2 MA's), (Start: 130 @17344 has 17 MA's), (177, 17437), (185, 17452), (187, 17458), (215, 17533), (237, 17605), (286, 17716), (300, 17761), (305, 17779), (309, 17791), (402, 17962), (405, 17971), (406, 17977), (420, 18010), (441, 18073), (453, 18124), (472, 18148), (479, 18172), (504, 18247), (516, 18286), (559, 18418), (593, 18532), (627, 18619), (656, 18733), (659, 18742), (688, 18847), (715, 18934), (745, 19042),

Gene: Bubbles123_17 Start: 15521, Stop: 17230, Start Num: 114
Candidate Starts for Bubbles123_17:
(Start: 114 @15521 has 231 MA's), (171, 15608), (Start: 193 @15653 has 2 MA's), (202, 15677), (234, 15782), (236, 15788), (242, 15806), (259, 15836), (299, 15941), (321, 16001), (330, 16022), (333, 16031), (341, 16055), (397, 16181), (402, 16196), (404, 16202), (417, 16238), (418, 16241), (424, 16253), (426, 16259), (440, 16307), (445, 16319), (446, 16325), (481, 16385), (485, 16397), (497, 16433), (500, 16445), (527, 16520), (529, 16529), (538, 16547), (540, 16553), (549, 16583), (578, 16688), (580, 16697), (581, 16700), (592, 16736), (631, 16814), (656, 16913), (663, 16934), (671, 16967), (679, 16997), (686, 17027), (688, 17036), (690, 17042), (698, 17057), (699, 17060), (703, 17084), (714, 17114), (718, 17126), (723, 17156), (732, 17198),

Gene: Buck_23 Start: 19702, Stop: 21381, Start Num: 119
Candidate Starts for Buck_23:
(Start: 119 @19702 has 132 MA's), (Start: 169 @19786 has 49 MA's), (Start: 203 @19864 has 1 MA's), (231, 19951), (236, 19966), (259, 20014), (273, 20053), (305, 20140), (319, 20173), (333,

20209), (343, 20239), (345, 20245), (370, 20314), (399, 20344), (403, 20356), (404, 20359), (426, 20416), (483, 20548), (484, 20554), (505, 20620), (507, 20626), (513, 20650), (529, 20698), (540, 20722), (543, 20731), (562, 20806), (580, 20857), (585, 20872), (648, 21034), (654, 21061), (663, 21091), (689, 21196), (716, 21274), (723, 21310), (725, 21319), (732, 21352), (738, 21367),

Gene: Budgie_26 Start: 19137, Stop: 20816, Start Num: 119
Candidate Starts for Budgie_26:
(Start: 119 @19137 has 132 MA's), (Start: 169 @19221 has 49 MA's), (Start: 203 @19299 has 1 MA's), (231, 19386), (236, 19401), (259, 19449), (273, 19488), (305, 19575), (310, 19593), (333, 19644), (343, 19674), (345, 19680), (370, 19749), (399, 19779), (403, 19791), (404, 19794), (426, 19851), (483, 19983), (484, 19989), (505, 20055), (507, 20061), (513, 20085), (529, 20133), (540, 20157), (543, 20166), (550, 20187), (562, 20241), (580, 20292), (585, 20307), (648, 20469), (663, 20526), (689, 20631), (716, 20709), (723, 20745), (732, 20787), (738, 20802),

Gene: Buggaboo_42 Start: 30625, Stop: 32241, Start Num: 109
Candidate Starts for Buggaboo_42:
(Start: 109 @30625 has 43 MA's), (Start: 121 @30637 has 70 MA's), (185, 30739), (216, 30823), (292, 31006), (316, 31072), (324, 31087), (332, 31111), (365, 31198), (385, 31228), (387, 31231), (417, 31288), (442, 31360), (488, 31465), (531, 31552), (549, 31600), (583, 31726), (593, 31762), (643, 31873), (663, 31948), (714, 32125), (723, 32167), (738, 32224),

Gene: BugsBunny_22 Start: 19419, Stop: 21014, Start Num: 169
Candidate Starts for BugsBunny_22:
(Start: 119 @19335 has 132 MA's), (Start: 169 @19419 has 49 MA's), (Start: 203 @19497 has 1 MA's), (231, 19584), (236, 19599), (259, 19647), (273, 19686), (305, 19773), (319, 19806), (333, 19842), (343, 19872), (345, 19878), (370, 19947), (399, 19977), (403, 19989), (404, 19992), (426, 20049), (483, 20181), (484, 20187), (505, 20253), (507, 20259), (513, 20283), (529, 20331), (540, 20355), (543, 20364), (562, 20439), (580, 20490), (585, 20505), (648, 20667), (654, 20694), (663, 20724), (689, 20829), (716, 20907), (723, 20943), (725, 20952), (732, 20985), (738, 21000),

Gene: Bunnies_19 Start: 16407, Stop: 18143, Start Num: 107
Candidate Starts for Bunnies_19:
(Start: 90 @16383 has 2 MA's), (Start: 107 @16407 has 54 MA's), (148, 16467), (159, 16488), (161, 16491), (211, 16611), (225, 16650), (235, 16683), (244, 16707), (294, 16827), (305, 16866), (307, 16872), (339, 16956), (341, 16962), (345, 16974), (354, 16998), (362, 17025), (370, 17043), (396, 17082), (397, 17088), (405, 17112), (426, 17166), (429, 17178), (432, 17187), (450, 17247), (487, 17325), (500, 17364), (511, 17397), (529, 17463), (537, 17478), (540, 17487), (547, 17511), (555, 17541), (559, 17553), (590, 17655), (593, 17667), (594, 17670), (596, 17676), (616, 17685), (646, 17793), (667, 17877), (693, 17976), (725, 18084), (738, 18132),

Gene: Bunnybear_18 Start: 17781, Stop: 19379, Start Num: 121
Candidate Starts for Bunnybear_18:
(37, 17559), (38, 17580), (41, 17610), (53, 17664), (Start: 121 @17781 has 70 MA's), (247, 18039), (259, 18057), (260, 18060), (280, 18114), (295, 18153), (306, 18189), (333, 18258), (336, 18267), (357, 18330), (367, 18357), (376, 18366), (378, 18369), (425, 18402), (443, 18459), (445, 18465), (474, 18525), (503, 18603), (515, 18627), (521, 18636), (539, 18660), (550, 18696), (577, 18798), (593, 18855), (617, 18894), (619, 18900), (622, 18906), (631, 18945), (663, 19062), (692, 19185), (711, 19263),

Gene: Burwell21_16 Start: 14811, Stop: 16520, Start Num: 114
Candidate Starts for Burwell21_16:
(Start: 114 @14811 has 231 MA's), (171, 14898), (Start: 193 @14943 has 2 MA's), (202, 14967), (234, 15072), (236, 15078), (242, 15096), (259, 15126), (299, 15231), (318, 15285), (321, 15291), (325,

15300), (333, 15321), (341, 15345), (354, 15381), (356, 15387), (367, 15420), (369, 15423), (371, 15432), (378, 15447), (381, 15453), (397, 15471), (402, 15486), (404, 15492), (409, 15510), (410, 15513), (417, 15528), (424, 15543), (426, 15549), (440, 15597), (445, 15609), (446, 15615), (481, 15675), (485, 15687), (497, 15723), (500, 15735), (527, 15810), (529, 15819), (538, 15837), (540, 15843), (549, 15873), (578, 15978), (581, 15990), (592, 16026), (631, 16104), (663, 16224), (671, 16257), (679, 16287), (681, 16299), (686, 16317), (687, 16323), (688, 16326), (690, 16332), (698, 16347), (699, 16350), (702, 16371), (703, 16374), (718, 16416), (723, 16446), (732, 16488), (733, 16494),

Gene: Butters_18 Start: 14956, Stop: 16665, Start Num: 119
Candidate Starts for Butters_18:
(Start: 119 @14956 has 132 MA's), (139, 14983), (Start: 193 @15088 has 2 MA's), (197, 15100), (208, 15136), (225, 15187), (231, 15208), (234, 15217), (236, 15223), (244, 15244), (252, 15256), (318, 15430), (321, 15436), (329, 15454), (333, 15466), (334, 15469), (341, 15490), (367, 15565), (378, 15592), (397, 15616), (398, 15619), (402, 15631), (417, 15673), (424, 15688), (426, 15694), (428, 15703), (440, 15742), (460, 15796), (481, 15820), (500, 15880), (522, 15946), (527, 15955), (529, 15964), (548, 16015), (549, 16018), (578, 16123), (592, 16171), (629, 16237), (647, 16309), (686, 16462), (688, 16471), (698, 16492), (701, 16507), (703, 16519), (716, 16555), (718, 16561),

Gene: BuzzLyseyear_18 Start: 15198, Stop: 16907, Start Num: 114
Candidate Starts for BuzzLyseyear_18:
(Start: 114 @15198 has 231 MA's), (171, 15285), (Start: 193 @15330 has 2 MA's), (202, 15354), (234, 15459), (236, 15465), (242, 15483), (259, 15513), (299, 15618), (321, 15678), (330, 15699), (333, 15708), (341, 15732), (397, 15858), (402, 15873), (404, 15879), (409, 15897), (410, 15900), (417, 15915), (424, 15930), (426, 15936), (440, 15984), (445, 15996), (446, 16002), (481, 16062), (485, 16074), (497, 16110), (500, 16122), (527, 16197), (529, 16206), (538, 16224), (540, 16230), (549, 16260), (578, 16365), (581, 16377), (592, 16413), (631, 16491), (663, 16611), (671, 16644), (679, 16674), (681, 16686), (686, 16704), (687, 16710), (688, 16713), (690, 16719), (698, 16734), (699, 16737), (702, 16758), (703, 16761), (718, 16803), (723, 16833), (732, 16875), (733, 16881),

Gene: ByChance_16 Start: 14817, Stop: 16526, Start Num: 114
Candidate Starts for ByChance_16:
(Start: 114 @14817 has 231 MA's), (171, 14904), (Start: 193 @14949 has 2 MA's), (202, 14973), (234, 15078), (236, 15084), (242, 15102), (259, 15132), (299, 15237), (321, 15297), (330, 15318), (333, 15327), (341, 15351), (367, 15426), (369, 15429), (397, 15477), (402, 15492), (404, 15498), (417, 15534), (424, 15549), (426, 15555), (440, 15603), (445, 15615), (446, 15621), (481, 15681), (485, 15693), (497, 15729), (500, 15741), (527, 15816), (529, 15825), (538, 15843), (540, 15849), (549, 15879), (578, 15984), (581, 15996), (592, 16032), (631, 16110), (663, 16230), (671, 16263), (679, 16293), (686, 16323), (688, 16332), (690, 16338), (698, 16353), (699, 16356), (703, 16380), (714, 16410), (718, 16422), (723, 16452), (732, 16494),

Gene: Byougenkin_16 Start: 14826, Stop: 16535, Start Num: 114
Candidate Starts for Byougenkin_16:
(Start: 114 @14826 has 231 MA's), (171, 14913), (Start: 193 @14958 has 2 MA's), (202, 14982), (234, 15087), (236, 15093), (242, 15111), (259, 15141), (299, 15246), (321, 15306), (330, 15327), (333, 15336), (339, 15354), (341, 15360), (397, 15486), (402, 15501), (404, 15507), (417, 15543), (418, 15546), (424, 15558), (426, 15564), (440, 15612), (445, 15624), (446, 15630), (481, 15690), (485, 15702), (497, 15738), (500, 15750), (527, 15825), (529, 15834), (538, 15852), (540, 15858), (549, 15888), (578, 15993), (580, 16002), (581, 16005), (592, 16041), (629, 16107), (631, 16119), (656, 16218), (663, 16239), (671, 16272), (679, 16302), (686, 16332), (688, 16341), (690, 16347), (698, 16362), (699, 16365), (703, 16389), (718, 16431), (723, 16461), (732, 16503), (733, 16509),

Gene: C3PO_31 Start: 28482, Stop: 30080, Start Num: 117

Candidate Starts for C3PO_31:
(Start: 117 @28482 has 8 MA's), (187, 28581), (212, 28650), (226, 28689), (278, 28824), (301, 28884), (368, 29037), (379, 29049), (383, 29058), (385, 29061), (411, 29106), (417, 29121), (422, 29130), (425, 29139), (442, 29193), (447, 29211), (476, 29265), (559, 29481), (587, 29574), (637, 29682), (650, 29736), (670, 29811), (704, 29940), (737, 30066),

Gene: CLED96_18 Start: 16640, Stop: 18403, Start Num: 77
Candidate Starts for CLED96_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: CREW_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for CREW_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: Cabrinians_16 Start: 14807, Stop: 16516, Start Num: 114
Candidate Starts for Cabrinians_16:
(Start: 114 @14807 has 231 MA's), (171, 14894), (Start: 193 @14939 has 2 MA's), (202, 14963), (234, 15068), (236, 15074), (242, 15092), (259, 15122), (299, 15227), (321, 15287), (330, 15308), (333, 15317), (341, 15341), (367, 15416), (369, 15419), (397, 15467), (402, 15482), (404, 15488), (417, 15524), (418, 15527), (424, 15539), (426, 15545), (440, 15593), (445, 15605), (446, 15611), (481, 15671), (485, 15683), (497, 15719), (500, 15731), (527, 15806), (529, 15815), (538, 15833), (540, 15839), (549, 15869), (578, 15974), (581, 15986), (592, 16022), (631, 16100), (663, 16220), (671, 16253), (679, 16283), (686, 16313), (688, 16322), (690, 16328), (698, 16343), (699, 16346), (703, 16370), (714, 16400), (718, 16412), (723, 16442), (732, 16484),

Gene: Cactus_25 Start: 18958, Stop: 20637, Start Num: 119
Candidate Starts for Cactus_25:
(Start: 119 @18958 has 132 MA's), (Start: 169 @19042 has 49 MA's), (Start: 203 @19120 has 1 MA's), (231, 19207), (236, 19222), (259, 19270), (273, 19309), (305, 19396), (319, 19429), (333, 19465), (343, 19495), (345, 19501), (370, 19570), (399, 19600), (403, 19612), (404, 19615), (426, 19672), (483, 19804), (484, 19810), (505, 19876), (507, 19882), (513, 19906), (529, 19954), (540, 19978), (543, 19987), (562, 20062), (580, 20113), (585, 20128), (648, 20290), (654, 20317), (663, 20347), (689, 20452), (716, 20530), (723, 20566), (725, 20575), (732, 20608), (738, 20623),

Gene: CactusJack_19 Start: 16273, Stop: 18009, Start Num: 107
Candidate Starts for CactusJack_19:
(Start: 90 @16249 has 2 MA's), (Start: 107 @16273 has 54 MA's), (148, 16333), (159, 16354), (161, 16357), (211, 16477), (225, 16516), (235, 16549), (244, 16573), (294, 16693), (305, 16732), (307, 16738), (339, 16822), (341, 16828), (345, 16840), (354, 16864), (362, 16891), (370, 16909), (396, 16948), (397, 16954), (405, 16978), (426, 17032), (429, 17044), (432, 17053), (450, 17113), (487, 17191), (500, 17230), (511, 17263), (529, 17329), (540, 17353), (547, 17377), (555, 17407), (590, 17521), (593, 17533), (596, 17542), (616, 17551), (646, 17659), (667, 17743), (693, 17842), (725, 17950), (738, 17998),

Gene: Cain_22 Start: 16338, Stop: 18104, Start Num: 82
Candidate Starts for Cain_22:
(Start: 77 @16329 has 26 MA's), (Start: 82 @16338 has 156 MA's), (Start: 103 @16368 has 1 MA's), (177, 16494), (185, 16509), (Start: 193 @16527 has 2 MA's), (204, 16560), (215, 16590), (229, 16635), (268, 16725), (284, 16761), (309, 16839), (313, 16848), (345, 16932), (348, 16941), (355, 16953), (356, 16956), (369, 16974), (384, 16995), (398, 17010), (402, 17022), (404, 17028), (420, 17070), (423, 17076), (486, 17259), (506, 17319), (542, 17403), (547, 17421), (561, 17481), (584, 17556), (591, 17580), (617, 17640), (627, 17673), (628, 17676), (632, 17694), (639, 17715), (657, 17790), (671, 17841), (672, 17847), (677, 17868), (701, 17940), (716, 17991), (733, 18075), (734, 18078), (745, 18096),

Gene: CallaLilly_23 Start: 17111, Stop: 18877, Start Num: 82
Candidate Starts for CallaLilly_23:
(Start: 82 @17111 has 156 MA's), (Start: 103 @17141 has 1 MA's), (Start: 193 @17300 has 2 MA's), (204, 17333), (215, 17363), (225, 17396), (229, 17408), (268, 17498), (288, 17540), (309, 17612), (313, 17621), (330, 17660), (345, 17705), (355, 17726), (356, 17729), (398, 17783), (404, 17801), (420, 17843), (423, 17849), (431, 17876), (481, 18014), (486, 18032), (500, 18074), (506, 18092), (516, 18122), (529, 18149), (561, 18254), (617, 18413), (628, 18449), (636, 18479), (639, 18488), (657, 18563), (671, 18614), (725, 18809), (733, 18848), (734, 18851), (745, 18869),

Gene: Cambiare_19 Start: 17379, Stop: 19118, Start Num: 97
Candidate Starts for Cambiare_19:
(Start: 77 @17370 has 26 MA's), (Start: 97 @17379 has 61 MA's), (125, 17409), (160, 17472), (162, 17475), (172, 17493), (185, 17526), (Start: 203 @17574 has 1 MA's), (204, 17577), (266, 17733), (269, 17748), (303, 17838), (320, 17880), (348, 17958), (404, 18054), (409, 18072), (420, 18096), (423, 18102), (435, 18141), (446, 18177), (458, 18222), (481, 18267), (512, 18363), (513, 18372), (542, 18429), (561, 18507), (567, 18534), (580, 18570), (607, 18624), (627, 18687), (635, 18717), (663, 18822), (668, 18846), (679, 18885), (696, 18936), (734, 19092), (736, 19095),

Gene: Camri_18 Start: 16640, Stop: 18403, Start Num: 77
Candidate Starts for Camri_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Camster_19 Start: 16386, Stop: 18122, Start Num: 107
Candidate Starts for Camster_19:
(Start: 90 @16362 has 2 MA's), (Start: 107 @16386 has 54 MA's), (148, 16446), (159, 16467), (161, 16470), (211, 16590), (225, 16629), (235, 16662), (244, 16686), (294, 16806), (305, 16845), (307, 16851), (339, 16935), (341, 16941), (345, 16953), (354, 16977), (362, 17004), (370, 17022), (396, 17061), (397, 17067), (405, 17091), (426, 17145), (429, 17157), (432, 17166), (450, 17226), (487, 17304), (500, 17343), (511, 17376), (529, 17442), (537, 17457), (540, 17466), (547, 17490), (555, 17520), (559, 17532), (590, 17634), (593, 17646), (594, 17649), (596, 17655), (616, 17664), (646, 17772), (667, 17856), (693, 17955), (725, 18063), (738, 18111),

Gene: Capricorn_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Capricorn_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689),

(313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: CaptainKirk2_19 Start: 16674, Stop: 18320, Start Num: 150
Candidate Starts for CaptainKirk2_19:
(Start: 130 @16638 has 17 MA's), (Start: 150 @16674 has 49 MA's), (199, 16776), (221, 16848), (223, 16854), (224, 16857), (264, 16953), (278, 16992), (306, 17073), (329, 17127), (334, 17142), (398, 17238), (426, 17313), (435, 17343), (507, 17526), (513, 17550), (562, 17694), (566, 17706), (586, 17766), (628, 17898), (629, 17901), (654, 18000), (659, 18018), (672, 18069), (692, 18135), (709, 18198), (714, 18210),

Gene: CaptainTrips_17 Start: 15501, Stop: 17210, Start Num: 114
Candidate Starts for CaptainTrips_17:
(Start: 114 @15501 has 231 MA's), (171, 15588), (Start: 193 @15633 has 2 MA's), (202, 15657), (207, 15678), (234, 15762), (236, 15768), (242, 15786), (259, 15816), (299, 15921), (321, 15981), (330, 16002), (333, 16011), (339, 16029), (341, 16035), (397, 16161), (402, 16176), (404, 16182), (417, 16218), (418, 16221), (424, 16233), (426, 16239), (440, 16287), (445, 16299), (446, 16305), (481, 16365), (485, 16377), (497, 16413), (500, 16425), (527, 16500), (529, 16509), (538, 16527), (540, 16533), (549, 16563), (578, 16668), (580, 16677), (581, 16680), (592, 16716), (631, 16794), (656, 16893), (663, 16914), (671, 16947), (679, 16977), (686, 17007), (688, 17016), (690, 17022), (698, 17037), (699, 17040), (703, 17064), (714, 17094), (718, 17106), (723, 17136), (732, 17178),

Gene: Carcharodon_18 Start: 14989, Stop: 16698, Start Num: 119
Candidate Starts for Carcharodon_18:
(Start: 119 @14989 has 132 MA's), (139, 15016), (Start: 193 @15121 has 2 MA's), (197, 15133), (208, 15169), (225, 15220), (234, 15250), (236, 15256), (247, 15283), (252, 15289), (299, 15409), (318, 15463), (321, 15469), (329, 15487), (333, 15499), (334, 15502), (341, 15523), (356, 15565), (367, 15598), (397, 15649), (402, 15664), (417, 15706), (424, 15721), (426, 15727), (440, 15775), (447, 15799), (460, 15829), (481, 15853), (500, 15913), (504, 15925), (522, 15979), (527, 15988), (548, 16048), (549, 16051), (578, 16156), (580, 16165), (592, 16204), (647, 16342), (685, 16492), (686, 16495), (688, 16504), (698, 16525), (703, 16552), (716, 16588), (738, 16681),

Gene: Cardigan_46 Start: 30787, Stop: 32481, Start Num: 98
Candidate Starts for Cardigan_46:
(Start: 98 @30787 has 3 MA's), (146, 30853), (152, 30859), (179, 30916), (236, 31075), (240, 31087), (300, 31213), (317, 31261), (402, 31411), (422, 31462), (426, 31474), (427, 31480), (485, 31621), (490, 31636), (568, 31903), (627, 32032), (629, 32038), (630, 32047), (648, 32110), (657, 32149), (660, 32158), (672, 32206), (696, 32281), (713, 32341), (724, 32389), (729, 32416), (731, 32425), (732, 32428),

Gene: CarolAnn_19 Start: 16617, Stop: 18263, Start Num: 150
Candidate Starts for CarolAnn_19:
(Start: 130 @16581 has 17 MA's), (Start: 150 @16617 has 49 MA's), (199, 16719), (223, 16797), (224, 16800), (264, 16896), (278, 16935), (306, 17016), (329, 17070), (334, 17085), (426, 17256), (435, 17286), (507, 17469), (513, 17493), (534, 17544), (562, 17637), (566, 17649), (582, 17694), (586, 17709), (628, 17841), (629, 17844), (654, 17943), (659, 17961), (672, 18012), (690, 18072), (692, 18078), (709, 18141), (714, 18153),

Gene: CaseJules_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for CaseJules_23:

(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: Cashline_20 Start: 17390, Stop: 19096, Start Num: 110
Candidate Starts for Cashline_20:
(Start: 91 @17366 has 1 MA's), (Start: 110 @17390 has 31 MA's), (195, 17537), (219, 17612), (264, 17726), (315, 17873), (319, 17879), (416, 18062), (442, 18137), (550, 18419), (554, 18440), (575, 18515), (612, 18602), (623, 18638), (630, 18671), (632, 18677), (649, 18743), (657, 18773), (698, 18929), (700, 18935), (702, 18953), (730, 19064),

Gene: CassieYates_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for CassieYates_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Catdawg_56 Start: 33524, Stop: 35260, Start Num: 94
Candidate Starts for Catdawg_56:
(Start: 89 @33515 has 2 MA's), (Start: 94 @33524 has 30 MA's), (Start: 156 @33614 has 1 MA's), (207, 33731), (219, 33767), (226, 33788), (234, 33815), (236, 33821), (261, 33875), (283, 33926), (333, 34064), (335, 34070), (352, 34121), (354, 34124), (359, 34142), (397, 34193), (404, 34214), (405, 34217), (424, 34265), (426, 34271), (440, 34319), (443, 34325), (445, 34331), (471, 34391), (481, 34415), (483, 34418), (497, 34463), (501, 34478), (504, 34487), (507, 34496), (522, 34541), (529, 34559), (543, 34592), (581, 34730), (587, 34751), (625, 34817), (632, 34847), (646, 34901), (656, 34943), (663, 34964), (667, 34985), (671, 34997), (676, 35018), (690, 35072), (716, 35150), (723, 35186), (727, 35207), (733, 35234),

Gene: Catfish_22 Start: 18471, Stop: 19802, Start Num: 209
Candidate Starts for Catfish_22:
(Start: 209 @18471 has 11 MA's), (265, 18603), (275, 18633), (297, 18690), (307, 18723), (334, 18792), (340, 18810), (369, 18891), (427, 18930), (448, 18996), (451, 19005), (462, 19014), (494, 19071), (531, 19116), (539, 19134), (550, 19170), (568, 19251), (581, 19287), (663, 19506), (678, 19566), (701, 19647), (704, 19662), (714, 19692), (717, 19701),

Gene: Cedasite_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Cedasite_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Cerasum_17 Start: 14635, Stop: 16344, Start Num: 114
Candidate Starts for Cerasum_17:

(Start: 114 @14635 has 231 MA's), (171, 14722), (Start: 193 @14767 has 2 MA's), (202, 14791), (234, 14896), (236, 14902), (242, 14920), (259, 14950), (299, 15055), (321, 15115), (330, 15136), (333, 15145), (341, 15169), (367, 15244), (369, 15247), (397, 15295), (402, 15310), (404, 15316), (417, 15352), (418, 15355), (424, 15367), (426, 15373), (440, 15421), (445, 15433), (446, 15439), (481, 15499), (485, 15511), (497, 15547), (500, 15559), (527, 15634), (529, 15643), (538, 15661), (540, 15667), (549, 15697), (578, 15802), (580, 15811), (581, 15814), (592, 15850), (631, 15928), (656, 16027), (663, 16048), (671, 16081), (679, 16111), (686, 16141), (688, 16150), (690, 16156), (698, 16171), (699, 16174), (703, 16198), (714, 16228), (718, 16240), (723, 16270), (732, 16312),

Gene: Chance64_18 Start: 16640, Stop: 18403, Start Num: 77
Candidate Starts for Chance64_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Chancellor_24 Start: 18633, Stop: 20420, Start Num: 82
Candidate Starts for Chancellor_24:
(Start: 64 @18594 has 1 MA's), (Start: 77 @18624 has 26 MA's), (Start: 80 @18630 has 43 MA's), (Start: 82 @18633 has 156 MA's), (135, 18690), (160, 18738), (177, 18777), (185, 18792), (Start: 193 @18810 has 2 MA's), (204, 18843), (215, 18873), (229, 18918), (236, 18936), (268, 19008), (269, 19014), (284, 19044), (305, 19110), (309, 19122), (369, 19257), (402, 19305), (404, 19311), (409, 19329), (423, 19359), (435, 19398), (481, 19524), (500, 19584), (501, 19587), (507, 19605), (512, 19620), (561, 19788), (578, 19842), (591, 19887), (609, 19932), (617, 19956), (627, 19989), (636, 20022), (654, 20094), (657, 20106), (671, 20157), (672, 20163), (702, 20265), (733, 20391), (745, 20412),

Gene: Charlie_18 Start: 14989, Stop: 16698, Start Num: 119
Candidate Starts for Charlie_18:
(Start: 119 @14989 has 132 MA's), (139, 15016), (Start: 193 @15121 has 2 MA's), (197, 15133), (208, 15169), (225, 15220), (234, 15250), (236, 15256), (247, 15283), (252, 15289), (299, 15409), (318, 15463), (321, 15469), (329, 15487), (333, 15499), (334, 15502), (341, 15523), (356, 15565), (367, 15598), (397, 15649), (402, 15664), (417, 15706), (424, 15721), (426, 15727), (440, 15775), (447, 15799), (460, 15829), (481, 15853), (500, 15913), (504, 15925), (522, 15979), (527, 15988), (548, 16048), (549, 16051), (578, 16156), (580, 16165), (592, 16204), (647, 16342), (685, 16492), (686, 16495), (688, 16504), (698, 16525), (703, 16552), (716, 16588), (738, 16681),

Gene: Chavito_23 Start: 16524, Stop: 18290, Start Num: 82
Candidate Starts for Chavito_23:
(Start: 77 @16515 has 26 MA's), (Start: 82 @16524 has 156 MA's), (Start: 87 @16530 has 18 MA's), (Start: 103 @16554 has 1 MA's), (135, 16593), (177, 16680), (185, 16695), (Start: 193 @16713 has 2 MA's), (204, 16746), (215, 16776), (229, 16821), (236, 16839), (268, 16911), (284, 16947), (309, 17025), (313, 17034), (338, 17097), (355, 17139), (356, 17142), (382, 17178), (384, 17181), (402, 17208), (404, 17214), (420, 17256), (423, 17262), (431, 17289), (481, 17427), (486, 17445), (516, 17535), (529, 17562), (544, 17595), (561, 17667), (578, 17721), (593, 17775), (595, 17781), (617, 17826), (627, 17859), (630, 17874), (636, 17892), (639, 17901), (657, 17976), (671, 18027), (672, 18033), (701, 18126), (725, 18222), (733, 18261), (734, 18264), (745, 18282),

Gene: Che8_16 Start: 14833, Stop: 16542, Start Num: 114
Candidate Starts for Che8_16:

(Start: 114 @14833 has 231 MA's), (171, 14920), (181, 14941), (Start: 193 @14965 has 2 MA's), (202, 14989), (207, 15010), (234, 15094), (236, 15100), (242, 15118), (259, 15148), (299, 15253), (321, 15313), (330, 15334), (333, 15343), (339, 15361), (341, 15367), (367, 15442), (397, 15493), (402, 15508), (404, 15514), (417, 15550), (418, 15553), (424, 15565), (426, 15571), (440, 15619), (445, 15631), (446, 15637), (481, 15697), (485, 15709), (497, 15745), (500, 15757), (527, 15832), (529, 15841), (538, 15859), (540, 15865), (549, 15895), (578, 16000), (580, 16009), (581, 16012), (592, 16048), (621, 16084), (622, 16087), (631, 16126), (656, 16225), (663, 16246), (671, 16279), (679, 16309), (685, 16336), (686, 16339), (688, 16348), (690, 16354), (698, 16369), (699, 16372), (702, 16393), (703, 16396), (718, 16438), (723, 16468), (732, 16510),

Gene: CheeseSpider_21 Start: 17016, Stop: 18662, Start Num: 150
Candidate Starts for CheeseSpider_21:
(Start: 130 @16980 has 17 MA's), (Start: 150 @17016 has 49 MA's), (199, 17118), (223, 17196), (264, 17295), (278, 17334), (300, 17394), (306, 17415), (322, 17451), (329, 17469), (334, 17484), (345, 17517), (377, 17565), (386, 17568), (426, 17655), (435, 17685), (507, 17868), (513, 17892), (562, 18036), (566, 18048), (586, 18108), (628, 18240), (629, 18243), (654, 18342), (659, 18360), (672, 18411), (690, 18471), (692, 18477), (709, 18540), (714, 18552),

Gene: CheetoDust_23 Start: 17165, Stop: 18931, Start Num: 82
Candidate Starts for CheetoDust_23:
(Start: 82 @17165 has 156 MA's), (Start: 103 @17195 has 1 MA's), (Start: 193 @17354 has 2 MA's), (204, 17387), (215, 17417), (225, 17450), (229, 17462), (268, 17552), (288, 17594), (309, 17666), (313, 17675), (330, 17714), (345, 17759), (355, 17780), (356, 17783), (398, 17837), (404, 17855), (420, 17897), (423, 17903), (431, 17930), (481, 18068), (486, 18086), (500, 18128), (506, 18146), (516, 18176), (529, 18203), (561, 18308), (617, 18467), (628, 18503), (636, 18533), (639, 18542), (657, 18617), (671, 18668), (725, 18863), (733, 18902), (734, 18905), (745, 18923),

Gene: Cheetobro_24 Start: 18630, Stop: 20417, Start Num: 82
Candidate Starts for Cheetobro_24:
(Start: 64 @18591 has 1 MA's), (Start: 77 @18621 has 26 MA's), (Start: 80 @18627 has 43 MA's), (Start: 82 @18630 has 156 MA's), (135, 18687), (160, 18735), (177, 18774), (185, 18789), (Start: 193 @18807 has 2 MA's), (204, 18840), (215, 18870), (229, 18915), (236, 18933), (268, 19005), (269, 19011), (284, 19041), (305, 19107), (309, 19119), (369, 19254), (402, 19302), (404, 19308), (409, 19326), (423, 19356), (435, 19395), (481, 19521), (500, 19581), (501, 19584), (507, 19602), (512, 19617), (561, 19785), (578, 19839), (591, 19884), (609, 19929), (617, 19953), (627, 19986), (636, 20019), (654, 20091), (657, 20103), (671, 20154), (672, 20160), (702, 20262), (733, 20388), (745, 20409),

Gene: Cherrybomb426_18 Start: 16640, Stop: 18403, Start Num: 77
Candidate Starts for Cherrybomb426_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Chevrolet_16 Start: 14845, Stop: 16554, Start Num: 114
Candidate Starts for Chevrolet_16:
(Start: 114 @14845 has 231 MA's), (171, 14932), (Start: 193 @14977 has 2 MA's), (202, 15001), (234, 15106), (236, 15112), (242, 15130), (259, 15160), (299, 15265), (321, 15325), (330, 15346), (333, 15355), (339, 15373), (341, 15379), (367, 15454), (371, 15466), (378, 15481), (381, 15487), (397, 15505), (402, 15520), (404, 15526), (410, 15547), (417, 15562), (418, 15565), (424, 15577), (426,

15583), (440, 15631), (445, 15643), (446, 15649), (481, 15709), (485, 15721), (497, 15757), (500, 15769), (501, 15772), (507, 15790), (527, 15844), (529, 15853), (538, 15871), (540, 15877), (578, 16012), (580, 16021), (581, 16024), (592, 16060), (622, 16099), (631, 16138), (656, 16237), (663, 16258), (671, 16291), (679, 16321), (686, 16351), (687, 16357), (688, 16360), (690, 16366), (698, 16381), (699, 16384), (703, 16408), (718, 16450), (732, 16522), (733, 16528),

Gene: Chewbacca_18 Start: 14989, Stop: 16698, Start Num: 119
Candidate Starts for Chewbacca_18:
(Start: 119 @14989 has 132 MA's), (139, 15016), (Start: 193 @15121 has 2 MA's), (197, 15133), (208, 15169), (225, 15220), (234, 15250), (236, 15256), (247, 15283), (252, 15289), (299, 15409), (318, 15463), (321, 15469), (329, 15487), (333, 15499), (334, 15502), (341, 15523), (356, 15565), (367, 15598), (397, 15649), (402, 15664), (417, 15706), (424, 15721), (426, 15727), (440, 15775), (447, 15799), (460, 15829), (481, 15853), (500, 15913), (504, 15925), (522, 15979), (527, 15988), (548, 16048), (549, 16051), (578, 16156), (580, 16165), (592, 16204), (647, 16342), (685, 16492), (686, 16495), (688, 16504), (698, 16525), (703, 16552), (716, 16588), (738, 16681),

Gene: ChewyVIII_56 Start: 38189, Stop: 39760, Start Num: 118
Candidate Starts for ChewyVIII_56:
(69, 38114), (Start: 118 @38189 has 1 MA's), (Start: 193 @38300 has 2 MA's), (204, 38333), (225, 38396), (278, 38519), (292, 38549), (299, 38573), (312, 38606), (324, 38630), (353, 38702), (387, 38753), (417, 38810), (436, 38864), (451, 38915), (535, 39083), (550, 39125), (578, 39227), (629, 39338), (641, 39386), (663, 39467), (672, 39506), (696, 39581), (701, 39599), (703, 39611), (723, 39686), (726, 39698), (729, 39716),

Gene: Chickadee_32 Start: 27527, Stop: 29146, Start Num: 126
Candidate Starts for Chickadee_32:
(Start: 126 @27527 has 11 MA's), (140, 27548), (175, 27611), (221, 27734), (225, 27746), (254, 27803), (290, 27881), (334, 28004), (405, 28118), (416, 28148), (431, 28190), (450, 28253), (481, 28301), (484, 28310), (500, 28361), (514, 28409), (566, 28574), (578, 28604), (625, 28703), (627, 28712), (628, 28715), (640, 28760), (652, 28817), (654, 28823), (655, 28829), (668, 28877), (671, 28886), (672, 28892), (673, 28895), (688, 28946), (701, 28991), (719, 29060), (729, 29108), (732, 29120),

Gene: ChickenDinner_17 Start: 14677, Stop: 16386, Start Num: 114
Candidate Starts for ChickenDinner_17:
(Start: 114 @14677 has 231 MA's), (171, 14764), (Start: 193 @14809 has 2 MA's), (202, 14833), (234, 14938), (236, 14944), (242, 14962), (247, 14971), (259, 14992), (299, 15097), (321, 15157), (325, 15166), (330, 15178), (333, 15187), (341, 15211), (354, 15247), (356, 15253), (359, 15265), (367, 15286), (369, 15289), (371, 15298), (378, 15313), (381, 15319), (397, 15337), (402, 15352), (404, 15358), (409, 15376), (410, 15379), (417, 15394), (424, 15409), (426, 15415), (440, 15463), (445, 15475), (446, 15481), (481, 15541), (485, 15553), (487, 15562), (497, 15589), (500, 15601), (527, 15676), (529, 15685), (538, 15703), (540, 15709), (549, 15739), (578, 15844), (580, 15853), (581, 15856), (592, 15892), (631, 15970), (656, 16069), (663, 16090), (671, 16123), (679, 16153), (686, 16183), (687, 16189), (688, 16192), (690, 16198), (698, 16213), (699, 16216), (702, 16237), (703, 16240), (718, 16282), (732, 16354), (733, 16360),

Gene: Chop_22 Start: 17878, Stop: 19584, Start Num: 130
Candidate Starts for Chop_22:
(Start: 73 @17803 has 2 MA's), (Start: 130 @17878 has 17 MA's), (177, 17971), (185, 17986), (187, 17992), (215, 18067), (237, 18139), (286, 18250), (300, 18295), (305, 18313), (309, 18325), (402, 18496), (405, 18505), (406, 18511), (441, 18607), (453, 18658), (504, 18781), (516, 18820), (559, 18952), (593, 19066), (627, 19153), (656, 19267), (659, 19276), (688, 19381), (715, 19468), (745, 19576),

Gene: ChosenOne_23 Start: 18953, Stop: 20632, Start Num: 119
Candidate Starts for ChosenOne_23:
(Start: 119 @18953 has 132 MA's), (Start: 169 @19037 has 49 MA's), (Start: 203 @19115 has 1 MA's), (231, 19202), (236, 19217), (259, 19265), (273, 19304), (305, 19391), (319, 19424), (333, 19460), (343, 19490), (345, 19496), (370, 19565), (399, 19595), (403, 19607), (404, 19610), (426, 19667), (483, 19799), (484, 19805), (505, 19871), (507, 19877), (513, 19901), (529, 19949), (540, 19973), (543, 19982), (562, 20057), (580, 20108), (585, 20123), (648, 20285), (654, 20312), (663, 20342), (689, 20447), (716, 20525), (723, 20561), (725, 20570), (732, 20603), (738, 20618),

Gene: ChotaBhai_24 Start: 19079, Stop: 20674, Start Num: 169
Candidate Starts for ChotaBhai_24:
(Start: 119 @18995 has 132 MA's), (Start: 169 @19079 has 49 MA's), (Start: 203 @19157 has 1 MA's), (231, 19244), (236, 19259), (259, 19307), (273, 19346), (305, 19433), (319, 19466), (333, 19502), (343, 19532), (345, 19538), (370, 19607), (399, 19637), (403, 19649), (404, 19652), (426, 19709), (483, 19841), (484, 19847), (505, 19913), (507, 19919), (513, 19943), (529, 19991), (540, 20015), (543, 20024), (562, 20099), (580, 20150), (585, 20165), (648, 20327), (654, 20354), (663, 20384), (689, 20489), (716, 20567), (723, 20603), (725, 20612), (732, 20645), (738, 20660),

Gene: Chris_22 Start: 16379, Stop: 18145, Start Num: 82
Candidate Starts for Chris_22:
(Start: 64 @16340 has 1 MA's), (Start: 77 @16370 has 26 MA's), (Start: 82 @16379 has 156 MA's), (Start: 103 @16409 has 1 MA's), (177, 16535), (185, 16550), (204, 16601), (225, 16664), (269, 16772), (284, 16802), (309, 16880), (313, 16889), (330, 16928), (346, 16976), (355, 16994), (382, 17033), (384, 17036), (398, 17051), (402, 17063), (404, 17069), (409, 17087), (420, 17111), (423, 17117), (431, 17144), (443, 17180), (481, 17282), (486, 17300), (506, 17360), (547, 17462), (551, 17474), (561, 17522), (566, 17546), (584, 17597), (595, 17636), (617, 17681), (627, 17714), (629, 17720), (636, 17747), (654, 17819), (657, 17831), (671, 17882), (672, 17888), (701, 17981), (716, 18032), (725, 18077), (745, 18137),

Gene: Chubbello_19 Start: 16384, Stop: 18120, Start Num: 107
Candidate Starts for Chubbello_19:
(Start: 90 @16360 has 2 MA's), (Start: 107 @16384 has 54 MA's), (148, 16444), (159, 16465), (161, 16468), (211, 16588), (225, 16627), (235, 16660), (244, 16684), (294, 16804), (305, 16843), (307, 16849), (339, 16933), (341, 16939), (345, 16951), (354, 16975), (362, 17002), (370, 17020), (396, 17059), (397, 17065), (405, 17089), (426, 17143), (429, 17155), (432, 17164), (450, 17224), (487, 17302), (500, 17341), (511, 17374), (529, 17440), (537, 17455), (540, 17464), (547, 17488), (555, 17518), (559, 17530), (590, 17632), (593, 17644), (594, 17647), (596, 17653), (616, 17662), (646, 17770), (667, 17854), (693, 17953), (725, 18061), (738, 18109),

Gene: Chuckly_16 Start: 14978, Stop: 16687, Start Num: 114
Candidate Starts for Chuckly_16:
(Start: 114 @14978 has 231 MA's), (171, 15065), (Start: 193 @15110 has 2 MA's), (202, 15134), (234, 15239), (236, 15245), (242, 15263), (259, 15293), (299, 15398), (321, 15458), (330, 15479), (333, 15488), (341, 15512), (367, 15587), (397, 15638), (402, 15653), (404, 15659), (417, 15695), (418, 15698), (424, 15710), (426, 15716), (440, 15764), (445, 15776), (446, 15782), (481, 15842), (485, 15854), (497, 15890), (500, 15902), (527, 15977), (529, 15986), (538, 16004), (540, 16010), (549, 16040), (578, 16145), (580, 16154), (581, 16157), (592, 16193), (631, 16271), (656, 16370), (663, 16391), (671, 16424), (679, 16454), (686, 16484), (688, 16493), (690, 16499), (698, 16514), (699, 16517), (703, 16541), (714, 16571), (718, 16583), (723, 16613), (732, 16655),

Gene: Cjw1_24 Start: 20668, Stop: 22185, Start Num: 203
Candidate Starts for Cjw1_24:

(Start: 119 @20506 has 132 MA's), (Start: 169 @20590 has 49 MA's), (Start: 203 @20668 has 1 MA's), (231, 20755), (236, 20770), (259, 20818), (273, 20857), (305, 20944), (319, 20977), (333, 21013), (343, 21043), (345, 21049), (370, 21118), (399, 21148), (403, 21160), (404, 21163), (426, 21220), (483, 21352), (484, 21358), (505, 21424), (507, 21430), (513, 21454), (529, 21502), (540, 21526), (543, 21535), (562, 21610), (580, 21661), (585, 21676), (648, 21838), (654, 21865), (663, 21895), (689, 22000), (716, 22078), (723, 22114), (725, 22123), (732, 22156), (738, 22171),

Gene: Clank_16 Start: 14961, Stop: 16670, Start Num: 114
Candidate Starts for Clank_16:
(Start: 114 @14961 has 231 MA's), (171, 15048), (Start: 193 @15093 has 2 MA's), (202, 15117), (234, 15222), (236, 15228), (242, 15246), (259, 15276), (299, 15381), (321, 15441), (330, 15462), (333, 15471), (341, 15495), (397, 15621), (402, 15636), (404, 15642), (417, 15678), (418, 15681), (424, 15693), (426, 15699), (440, 15747), (445, 15759), (446, 15765), (481, 15825), (485, 15837), (497, 15873), (500, 15885), (527, 15960), (529, 15969), (538, 15987), (540, 15993), (549, 16023), (578, 16128), (580, 16137), (581, 16140), (592, 16176), (631, 16254), (656, 16353), (663, 16374), (671, 16407), (679, 16437), (686, 16467), (688, 16476), (690, 16482), (698, 16497), (699, 16500), (703, 16524), (714, 16554), (718, 16566), (723, 16596), (732, 16638),

Gene: Clap_17 Start: 14758, Stop: 16467, Start Num: 123
Candidate Starts for Clap_17:
(Start: 123 @14758 has 61 MA's), (186, 14875), (236, 15025), (259, 15064), (264, 15079), (292, 15148), (295, 15160), (324, 15238), (326, 15241), (376, 15373), (395, 15427), (424, 15508), (443, 15568), (445, 15574), (446, 15580), (492, 15661), (504, 15697), (531, 15733), (539, 15751), (551, 15790), (567, 15862), (577, 15886), (654, 16120), (658, 16135), (669, 16177), (691, 16270), (692, 16273), (702, 16321), (711, 16351),

Gene: Clark_20 Start: 17346, Stop: 18926, Start Num: 121
Candidate Starts for Clark_20:
(53, 17229), (Start: 121 @17346 has 70 MA's), (247, 17604), (260, 17625), (280, 17679), (295, 17718), (314, 17775), (324, 17796), (425, 17967), (430, 17985), (438, 18009), (445, 18030), (474, 18072), (504, 18153), (550, 18243), (559, 18288), (577, 18345), (578, 18348), (593, 18402), (631, 18492), (701, 18771), (702, 18780), (711, 18810),

Gene: Clifton_16 Start: 14762, Stop: 16471, Start Num: 114
Candidate Starts for Clifton_16:
(Start: 114 @14762 has 231 MA's), (171, 14849), (Start: 193 @14894 has 2 MA's), (202, 14918), (234, 15023), (236, 15029), (242, 15047), (259, 15077), (299, 15182), (321, 15242), (330, 15263), (333, 15272), (341, 15296), (397, 15422), (402, 15437), (404, 15443), (417, 15479), (418, 15482), (424, 15494), (426, 15500), (440, 15548), (445, 15560), (446, 15566), (481, 15626), (485, 15638), (497, 15674), (500, 15686), (527, 15761), (529, 15770), (538, 15788), (540, 15794), (549, 15824), (578, 15929), (580, 15938), (581, 15941), (592, 15977), (631, 16055), (656, 16154), (663, 16175), (671, 16208), (679, 16238), (686, 16268), (688, 16277), (690, 16283), (698, 16298), (699, 16301), (703, 16325), (714, 16355), (718, 16367), (723, 16397), (732, 16439),

Gene: Clipper_23 Start: 17165, Stop: 18931, Start Num: 82
Candidate Starts for Clipper_23:
(Start: 82 @17165 has 156 MA's), (Start: 103 @17195 has 1 MA's), (Start: 193 @17354 has 2 MA's), (204, 17387), (215, 17417), (225, 17450), (229, 17462), (268, 17552), (288, 17594), (309, 17666), (313, 17675), (330, 17714), (345, 17759), (346, 17762), (355, 17780), (356, 17783), (398, 17837), (404, 17855), (420, 17897), (423, 17903), (431, 17930), (481, 18068), (486, 18086), (500, 18128), (506, 18146), (516, 18176), (529, 18203), (561, 18308), (617, 18467), (628, 18503), (636, 18533), (639, 18542), (657, 18617), (671, 18668), (725, 18863), (733, 18902), (734, 18905), (745, 18923),

Gene: Cloudyecho_18 Start: 16834, Stop: 18558, Start Num: 97
Candidate Starts for Cloudyecho_18:
(Start: 97 @16834 has 61 MA's), (160, 16912), (179, 16954), (204, 17017), (212, 17044), (215, 17047), (266, 17173), (269, 17188), (281, 17212), (284, 17218), (288, 17224), (303, 17278), (348, 17398), (404, 17494), (406, 17503), (420, 17536), (423, 17542), (435, 17581), (481, 17707), (503, 17776), (551, 17899), (561, 17947), (567, 17974), (580, 18010), (584, 18022), (594, 18058), (607, 18064), (663, 18262), (668, 18286), (682, 18343), (725, 18490), (734, 18532), (736, 18535),

Gene: ClubL_48 Start: 29531, Stop: 31222, Start Num: 104
Candidate Starts for ClubL_48:
(Start: 104 @29531 has 17 MA's), (146, 29591), (165, 29624), (179, 29657), (225, 29783), (236, 29816), (239, 29825), (300, 29954), (317, 30002), (426, 30215), (427, 30221), (435, 30245), (490, 30374), (497, 30395), (507, 30428), (562, 30626), (629, 30779), (654, 30878), (657, 30890), (660, 30899), (681, 30983), (724, 31130), (731, 31166), (734, 31178),

Gene: Coco12_18 Start: 15204, Stop: 16913, Start Num: 114
Candidate Starts for Coco12_18:
(Start: 114 @15204 has 231 MA's), (171, 15291), (Start: 193 @15336 has 2 MA's), (202, 15360), (234, 15465), (236, 15471), (242, 15489), (259, 15519), (299, 15624), (321, 15684), (330, 15705), (333, 15714), (341, 15738), (367, 15813), (369, 15816), (397, 15864), (402, 15879), (404, 15885), (417, 15921), (418, 15924), (424, 15936), (426, 15942), (440, 15990), (445, 16002), (446, 16008), (481, 16068), (485, 16080), (497, 16116), (500, 16128), (527, 16203), (529, 16212), (538, 16230), (540, 16236), (549, 16266), (578, 16371), (580, 16380), (581, 16383), (592, 16419), (631, 16497), (656, 16596), (663, 16617), (671, 16650), (679, 16680), (686, 16710), (688, 16719), (690, 16725), (698, 16740), (699, 16743), (714, 16797), (718, 16809), (723, 16839), (732, 16881),

Gene: CoffeeBean_45 Start: 31300, Stop: 32874, Start Num: 121
Candidate Starts for CoffeeBean_45:
(Start: 121 @31300 has 70 MA's), (129, 31309), (162, 31363), (183, 31387), (185, 31390), (293, 31660), (316, 31723), (324, 31738), (379, 31855), (387, 31870), (417, 31927), (422, 31936), (435, 31978), (442, 31999), (450, 32029), (482, 32086), (508, 32161), (553, 32257), (583, 32362), (584, 32365), (592, 32392), (632, 32470), (643, 32509), (682, 32665), (704, 32731),

Gene: Coleslaw_18 Start: 16640, Stop: 18394, Start Num: 97
Candidate Starts for Coleslaw_18:
(Start: 77 @16631 has 26 MA's), (Start: 97 @16640 has 61 MA's), (Start: 103 @16646 has 1 MA's), (111, 16652), (185, 16784), (204, 16835), (215, 16865), (222, 16889), (266, 16991), (281, 17030), (284, 17036), (290, 17051), (303, 17096), (348, 17216), (386, 17273), (404, 17312), (423, 17360), (431, 17387), (435, 17399), (458, 17480), (481, 17525), (551, 17723), (556, 17753), (561, 17771), (567, 17798), (594, 17882), (607, 17900), (614, 17915), (627, 17963), (630, 17978), (648, 18041), (663, 18098), (672, 18137), (682, 18179), (701, 18230), (725, 18326), (745, 18386),

Gene: Collard_21 Start: 17552, Stop: 19324, Start Num: 87
Candidate Starts for Collard_21:
(Start: 87 @17552 has 18 MA's), (Start: 89 @17558 has 2 MA's), (106, 17582), (135, 17615), (160, 17663), (185, 17717), (204, 17768), (225, 17831), (269, 17939), (309, 18047), (355, 18161), (356, 18164), (384, 18203), (398, 18218), (402, 18230), (404, 18236), (417, 18272), (420, 18278), (423, 18284), (435, 18323), (443, 18347), (481, 18449), (501, 18512), (561, 18692), (591, 18791), (621, 18869), (627, 18893), (629, 18899), (638, 18932), (657, 19010), (659, 19016), (702, 19169), (728, 19274), (729, 19277), (733, 19295),

Gene: Command613_25 Start: 20014, Stop: 21693, Start Num: 119
Candidate Starts for Command613_25:

(Start: 119 @20014 has 132 MA's), (Start: 169 @20098 has 49 MA's), (Start: 203 @20176 has 1 MA's), (231, 20263), (236, 20278), (259, 20326), (273, 20365), (305, 20452), (319, 20485), (333, 20521), (343, 20551), (345, 20557), (370, 20626), (399, 20656), (403, 20668), (404, 20671), (426, 20728), (483, 20860), (484, 20866), (505, 20932), (507, 20938), (513, 20962), (529, 21010), (540, 21034), (543, 21043), (562, 21118), (580, 21169), (585, 21184), (648, 21346), (654, 21373), (663, 21403), (689, 21508), (716, 21586), (723, 21622), (725, 21631), (732, 21664), (738, 21679),

Gene: Commandaria_43 Start: 31143, Stop: 32756, Start Num: 109
Candidate Starts for Commandaria_43:
(Start: 109 @31143 has 43 MA's), (Start: 141 @31179 has 1 MA's), (152, 31197), (168, 31230), (185, 31257), (266, 31458), (292, 31524), (316, 31590), (324, 31605), (365, 31716), (385, 31746), (387, 31749), (413, 31794), (417, 31806), (434, 31854), (435, 31857), (488, 31983), (504, 32028), (505, 32031), (531, 32070), (549, 32118), (583, 32244), (593, 32280), (656, 32445), (663, 32466), (680, 32535), (699, 32589), (704, 32613), (723, 32685), (738, 32742),

Gene: Confidence_20 Start: 17560, Stop: 19266, Start Num: 110
Candidate Starts for Confidence_20:
(Start: 91 @17536 has 1 MA's), (Start: 110 @17560 has 31 MA's), (175, 17665), (195, 17707), (219, 17782), (264, 17896), (315, 18043), (319, 18049), (416, 18232), (442, 18307), (519, 18514), (550, 18589), (554, 18610), (575, 18685), (612, 18772), (623, 18808), (626, 18817), (630, 18841), (632, 18847), (649, 18913), (657, 18943), (698, 19099), (700, 19105), (702, 19123), (730, 19234),

Gene: Constella_31 Start: 26122, Stop: 28120, Start Num: 113
Candidate Starts for Constella_31:
(Start: 113 @26122 has 31 MA's), (Start: 169 @26212 has 49 MA's), (189, 26260), (202, 26290), (Start: 209 @26317 has 11 MA's), (244, 26419), (260, 26449), (296, 26548), (307, 26584), (308, 26590), (319, 26611), (345, 26683), (348, 26692), (356, 26713), (381, 26782), (404, 26821), (405, 26824), (409, 26839), (426, 26878), (440, 26926), (445, 26938), (446, 26944), (470, 26992), (472, 27001), (483, 27022), (487, 27040), (503, 27088), (538, 27190), (555, 27250), (559, 27262), (569, 27307), (570, 27319), (571, 27454), (572, 27460), (573, 27484), (574, 27556), (576, 27583), (664, 27832),

Gene: Contagion_23 Start: 19253, Stop: 20932, Start Num: 119
Candidate Starts for Contagion_23:
(Start: 119 @19253 has 132 MA's), (Start: 169 @19337 has 49 MA's), (Start: 203 @19415 has 1 MA's), (231, 19502), (236, 19517), (259, 19565), (273, 19604), (305, 19691), (319, 19724), (333, 19760), (343, 19790), (345, 19796), (370, 19865), (399, 19895), (403, 19907), (404, 19910), (426, 19967), (483, 20099), (484, 20105), (505, 20171), (507, 20177), (513, 20201), (529, 20249), (540, 20273), (543, 20282), (562, 20357), (580, 20408), (585, 20423), (648, 20585), (654, 20612), (663, 20642), (689, 20747), (716, 20825), (723, 20861), (725, 20870), (732, 20903), (738, 20918),

Gene: Cookies_24 Start: 19615, Stop: 21294, Start Num: 119
Candidate Starts for Cookies_24:
(Start: 119 @19615 has 132 MA's), (Start: 169 @19699 has 49 MA's), (Start: 203 @19777 has 1 MA's), (231, 19864), (236, 19879), (259, 19927), (273, 19966), (305, 20053), (319, 20086), (333, 20122), (343, 20152), (345, 20158), (370, 20227), (399, 20257), (403, 20269), (404, 20272), (426, 20329), (483, 20461), (484, 20467), (505, 20533), (507, 20539), (513, 20563), (529, 20611), (540, 20635), (543, 20644), (562, 20719), (580, 20770), (585, 20785), (648, 20947), (654, 20974), (663, 21004), (689, 21109), (716, 21187), (723, 21223), (725, 21232), (732, 21265), (738, 21280),

Gene: Corium_16 Start: 14843, Stop: 16552, Start Num: 114
Candidate Starts for Corium_16:

(Start: 114 @14843 has 231 MA's), (171, 14930), (Start: 193 @14975 has 2 MA's), (202, 14999), (234, 15104), (236, 15110), (242, 15128), (259, 15158), (299, 15263), (321, 15323), (330, 15344), (333, 15353), (339, 15371), (341, 15377), (397, 15503), (402, 15518), (404, 15524), (417, 15560), (418, 15563), (424, 15575), (426, 15581), (440, 15629), (445, 15641), (446, 15647), (481, 15707), (485, 15719), (497, 15755), (500, 15767), (527, 15842), (529, 15851), (538, 15869), (540, 15875), (549, 15905), (578, 16010), (580, 16019), (581, 16022), (592, 16058), (631, 16136), (656, 16235), (663, 16256), (671, 16289), (679, 16319), (686, 16349), (688, 16358), (690, 16364), (698, 16379), (699, 16382), (703, 16406), (714, 16436), (718, 16448), (723, 16478), (732, 16520),

Gene: Corndog_59 Start: 34518, Stop: 36254, Start Num: 94
Candidate Starts for Corndog_59:
(Start: 89 @34509 has 2 MA's), (Start: 94 @34518 has 30 MA's), (Start: 156 @34608 has 1 MA's), (207, 34725), (219, 34761), (226, 34782), (234, 34809), (236, 34815), (249, 34845), (261, 34869), (283, 34920), (333, 35058), (335, 35064), (352, 35115), (354, 35118), (359, 35136), (397, 35187), (404, 35208), (405, 35211), (424, 35259), (426, 35265), (440, 35313), (443, 35319), (445, 35325), (471, 35385), (481, 35409), (483, 35412), (497, 35457), (501, 35472), (504, 35481), (507, 35490), (522, 35535), (529, 35553), (543, 35586), (581, 35724), (587, 35745), (625, 35811), (632, 35841), (646, 35895), (656, 35937), (663, 35958), (667, 35979), (671, 35991), (676, 36012), (690, 36066), (716, 36144), (723, 36180), (727, 36201), (733, 36228),

Gene: Cornucopia_17 Start: 14844, Stop: 16553, Start Num: 114
Candidate Starts for Cornucopia_17:
(Start: 114 @14844 has 231 MA's), (171, 14931), (Start: 193 @14976 has 2 MA's), (202, 15000), (234, 15105), (236, 15111), (242, 15129), (259, 15159), (299, 15264), (321, 15324), (330, 15345), (333, 15354), (341, 15378), (367, 15453), (397, 15504), (402, 15519), (404, 15525), (417, 15561), (418, 15564), (424, 15576), (426, 15582), (440, 15630), (445, 15642), (446, 15648), (481, 15708), (485, 15720), (497, 15756), (500, 15768), (527, 15843), (529, 15852), (538, 15870), (540, 15876), (549, 15906), (578, 16011), (581, 16023), (592, 16059), (631, 16137), (656, 16236), (663, 16257), (671, 16290), (679, 16320), (686, 16350), (688, 16359), (690, 16365), (698, 16380), (699, 16383), (703, 16407), (718, 16449), (732, 16521),

Gene: Courthouse_34 Start: 25078, Stop: 26811, Start Num: 113
Candidate Starts for Courthouse_34:
(Start: 113 @25078 has 31 MA's), (Start: 169 @25168 has 49 MA's), (171, 25171), (202, 25246), (Start: 209 @25273 has 11 MA's), (231, 25339), (244, 25375), (260, 25405), (266, 25420), (296, 25504), (307, 25540), (319, 25567), (334, 25606), (345, 25639), (348, 25648), (369, 25705), (386, 25747), (422, 25822), (426, 25834), (445, 25894), (470, 25948), (483, 25978), (487, 25996), (491, 26005), (501, 26038), (505, 26050), (507, 26056), (520, 26095), (540, 26152), (585, 26302), (590, 26320), (621, 26362), (627, 26386), (628, 26389), (631, 26404), (640, 26434), (648, 26464), (663, 26521), (705, 26671), (734, 26791), (738, 26797),

Gene: Cracklewink_24 Start: 19740, Stop: 21590, Start Num: 47
Candidate Starts for Cracklewink_24:
(Start: 47 @19740 has 6 MA's), (61, 19785), (Start: 141 @19884 has 1 MA's), (160, 19920), (174, 19950), (185, 19974), (204, 20025), (205, 20028), (239, 20127), (240, 20130), (298, 20268), (304, 20289), (315, 20319), (319, 20325), (334, 20364), (364, 20430), (399, 20472), (404, 20487), (420, 20529), (432, 20565), (435, 20574), (441, 20592), (457, 20652), (461, 20658), (463, 20661), (470, 20691), (479, 20724), (481, 20727), (490, 20754), (511, 20820), (591, 21069), (642, 21216), (661, 21288), (672, 21333), (679, 21357), (680, 21363), (714, 21471), (733, 21561), (734, 21564),

Gene: Crespo_18 Start: 16650, Stop: 18404, Start Num: 97
Candidate Starts for Crespo_18:

(Start: 77 @16641 has 26 MA's), (Start: 97 @16650 has 61 MA's), (Start: 103 @16656 has 1 MA's), (111, 16662), (185, 16794), (204, 16845), (215, 16875), (222, 16899), (266, 17001), (281, 17040), (284, 17046), (290, 17061), (303, 17106), (348, 17226), (386, 17283), (404, 17322), (423, 17370), (431, 17397), (435, 17409), (458, 17490), (481, 17535), (551, 17733), (556, 17763), (561, 17781), (567, 17808), (594, 17892), (607, 17910), (614, 17925), (627, 17973), (630, 17988), (648, 18051), (663, 18108), (672, 18147), (682, 18189), (701, 18240), (725, 18336), (745, 18396),

Gene: CrimD_23 Start: 17126, Stop: 18892, Start Num: 82
Candidate Starts for CrimD_23:
(Start: 82 @17126 has 156 MA's), (Start: 103 @17156 has 1 MA's), (Start: 193 @17315 has 2 MA's), (204, 17348), (215, 17378), (225, 17411), (229, 17423), (268, 17513), (288, 17555), (306, 17618), (309, 17627), (313, 17636), (330, 17675), (345, 17720), (355, 17741), (356, 17744), (404, 17816), (420, 17858), (423, 17864), (431, 17891), (481, 18029), (486, 18047), (500, 18089), (506, 18107), (516, 18137), (529, 18164), (561, 18269), (617, 18428), (628, 18464), (636, 18494), (639, 18503), (657, 18578), (671, 18629), (725, 18824), (733, 18863), (734, 18866), (745, 18884),

Gene: Cruella_31 Start: 28482, Stop: 30080, Start Num: 117
Candidate Starts for Cruella_31:
(Start: 117 @28482 has 8 MA's), (187, 28581), (212, 28650), (226, 28689), (278, 28824), (301, 28884), (368, 29037), (379, 29049), (383, 29058), (385, 29061), (411, 29106), (417, 29121), (422, 29130), (425, 29139), (442, 29193), (447, 29211), (476, 29265), (559, 29481), (587, 29574), (637, 29682), (650, 29736), (670, 29811), (704, 29940), (737, 30066),

Gene: Crumble_16 Start: 14809, Stop: 16518, Start Num: 114
Candidate Starts for Crumble_16:
(Start: 114 @14809 has 231 MA's), (171, 14896), (Start: 193 @14941 has 2 MA's), (202, 14965), (234, 15070), (236, 15076), (242, 15094), (259, 15124), (299, 15229), (321, 15289), (330, 15310), (333, 15319), (341, 15343), (367, 15418), (369, 15421), (397, 15469), (402, 15484), (404, 15490), (417, 15526), (418, 15529), (424, 15541), (426, 15547), (440, 15595), (445, 15607), (446, 15613), (481, 15673), (485, 15685), (497, 15721), (500, 15733), (527, 15808), (529, 15817), (538, 15835), (540, 15841), (549, 15871), (578, 15976), (580, 15985), (581, 15988), (592, 16024), (631, 16102), (656, 16201), (663, 16222), (671, 16255), (679, 16285), (686, 16315), (688, 16324), (690, 16330), (698, 16345), (699, 16348), (703, 16372), (714, 16402), (718, 16414), (723, 16444), (732, 16486),

Gene: CrystalP_24 Start: 19746, Stop: 21425, Start Num: 119
Candidate Starts for CrystalP_24:
(Start: 119 @19746 has 132 MA's), (Start: 169 @19830 has 49 MA's), (Start: 203 @19908 has 1 MA's), (231, 19995), (236, 20010), (259, 20058), (273, 20097), (305, 20184), (319, 20217), (333, 20253), (343, 20283), (345, 20289), (370, 20358), (399, 20388), (403, 20400), (404, 20403), (426, 20460), (483, 20592), (484, 20598), (505, 20664), (507, 20670), (513, 20694), (529, 20742), (540, 20766), (543, 20775), (562, 20850), (580, 20901), (585, 20916), (648, 21078), (654, 21105), (663, 21135), (689, 21240), (716, 21318), (723, 21354), (725, 21363), (732, 21396), (738, 21411),

Gene: Cubone_18 Start: 15011, Stop: 16720, Start Num: 119
Candidate Starts for Cubone_18:
(Start: 119 @15011 has 132 MA's), (139, 15038), (Start: 193 @15143 has 2 MA's), (197, 15155), (208, 15191), (225, 15242), (234, 15272), (236, 15278), (247, 15305), (252, 15311), (299, 15431), (318, 15485), (321, 15491), (329, 15509), (333, 15521), (334, 15524), (341, 15545), (356, 15587), (367, 15620), (397, 15671), (402, 15686), (417, 15728), (424, 15743), (426, 15749), (440, 15797), (447, 15821), (460, 15851), (481, 15875), (500, 15935), (504, 15947), (522, 16001), (527, 16010), (548, 16070), (549, 16073), (578, 16178), (580, 16187), (592, 16226), (647, 16364), (685, 16514), (686, 16517), (688, 16526), (698, 16547), (703, 16574), (716, 16610), (738, 16703),

Gene: Cucurbita_50 Start: 30901, Stop: 32592, Start Num: 104
Candidate Starts for Cucurbita_50:
(Start: 104 @30901 has 17 MA's), (146, 30961), (165, 30994), (179, 31027), (225, 31153), (236, 31186), (239, 31195), (300, 31324), (317, 31372), (426, 31585), (427, 31591), (435, 31615), (490, 31744), (497, 31765), (507, 31798), (562, 31996), (629, 32149), (654, 32248), (657, 32260), (660, 32269), (681, 32353), (724, 32500), (731, 32536), (734, 32548),

Gene: Culver_48 Start: 29340, Stop: 31031, Start Num: 104
Candidate Starts for Culver_48:
(Start: 104 @29340 has 17 MA's), (146, 29400), (165, 29433), (177, 29463), (179, 29466), (236, 29625), (239, 29634), (300, 29763), (317, 29811), (426, 30024), (427, 30030), (435, 30054), (490, 30183), (497, 30204), (507, 30237), (562, 30435), (629, 30588), (654, 30687), (657, 30699), (660, 30708), (681, 30792), (724, 30939), (731, 30975),

Gene: Curiosium_24 Start: 16874, Stop: 18640, Start Num: 82
Candidate Starts for Curiosium_24:
(Start: 82 @16874 has 156 MA's), (Start: 103 @16904 has 1 MA's), (Start: 193 @17063 has 2 MA's), (204, 17096), (215, 17126), (225, 17159), (229, 17171), (284, 17297), (288, 17303), (299, 17342), (309, 17375), (313, 17384), (330, 17423), (355, 17489), (356, 17492), (404, 17564), (420, 17606), (423, 17612), (431, 17639), (443, 17675), (481, 17777), (486, 17795), (500, 17837), (506, 17855), (516, 17885), (529, 17912), (561, 18017), (588, 18107), (628, 18212), (636, 18242), (657, 18326), (671, 18377), (679, 18407), (701, 18476), (716, 18527), (733, 18611), (734, 18614), (745, 18632),

Gene: Cynthia_17 Start: 14758, Stop: 16467, Start Num: 123
Candidate Starts for Cynthia_17:
(Start: 123 @14758 has 61 MA's), (186, 14875), (236, 15025), (259, 15064), (264, 15079), (292, 15148), (295, 15160), (324, 15238), (326, 15241), (376, 15373), (395, 15427), (424, 15508), (443, 15568), (445, 15574), (446, 15580), (492, 15661), (504, 15697), (531, 15733), (539, 15751), (551, 15790), (567, 15862), (577, 15886), (654, 16120), (658, 16135), (669, 16177), (691, 16270), (692, 16273), (702, 16321), (711, 16351),

Gene: Czyszczon1_25 Start: 19491, Stop: 21170, Start Num: 119
Candidate Starts for Czyszczon1_25:
(Start: 119 @19491 has 132 MA's), (Start: 169 @19575 has 49 MA's), (Start: 203 @19653 has 1 MA's), (231, 19740), (236, 19755), (259, 19803), (273, 19842), (305, 19929), (319, 19962), (333, 19998), (343, 20028), (345, 20034), (370, 20103), (399, 20133), (403, 20145), (404, 20148), (426, 20205), (483, 20337), (484, 20343), (505, 20409), (507, 20415), (513, 20439), (529, 20487), (540, 20511), (543, 20520), (562, 20595), (580, 20646), (585, 20661), (648, 20823), (654, 20850), (663, 20880), (689, 20985), (716, 21063), (723, 21099), (725, 21108), (732, 21141), (738, 21156),

Gene: DLane_16 Start: 14795, Stop: 16504, Start Num: 114
Candidate Starts for DLane_16:
(Start: 114 @14795 has 231 MA's), (171, 14882), (Start: 193 @14927 has 2 MA's), (202, 14951), (234, 15056), (236, 15062), (242, 15080), (259, 15110), (299, 15215), (321, 15275), (330, 15296), (333, 15305), (341, 15329), (397, 15455), (402, 15470), (404, 15476), (417, 15512), (418, 15515), (424, 15527), (426, 15533), (440, 15581), (445, 15593), (446, 15599), (481, 15659), (485, 15671), (497, 15707), (500, 15719), (527, 15794), (529, 15803), (538, 15821), (540, 15827), (549, 15857), (578, 15962), (580, 15971), (581, 15974), (592, 16010), (631, 16088), (656, 16187), (663, 16208), (671, 16241), (679, 16271), (686, 16301), (688, 16310), (690, 16316), (698, 16331), (699, 16334), (703, 16358), (714, 16388), (718, 16400), (723, 16430), (732, 16472),

Gene: DMoney_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for DMoney_18:

(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: DNAIII_0018 Start: 16649, Stop: 18412, Start Num: 77
Candidate Starts for DNAIII_0018:
(Start: 77 @16649 has 26 MA's), (Start: 97 @16658 has 61 MA's), (Start: 103 @16664 has 1 MA's), (111, 16670), (185, 16802), (204, 16853), (215, 16883), (222, 16907), (266, 17009), (281, 17048), (284, 17054), (290, 17069), (303, 17114), (348, 17234), (386, 17291), (404, 17330), (423, 17378), (431, 17405), (435, 17417), (458, 17498), (481, 17543), (551, 17741), (556, 17771), (561, 17789), (567, 17816), (594, 17900), (607, 17918), (614, 17933), (627, 17981), (630, 17996), (648, 18059), (663, 18116), (672, 18155), (682, 18197), (701, 18248), (725, 18344), (745, 18404),

Gene: DRBy19_16 Start: 14836, Stop: 16545, Start Num: 114
Candidate Starts for DRBy19_16:
(Start: 114 @14836 has 231 MA's), (171, 14923), (Start: 193 @14968 has 2 MA's), (202, 14992), (219, 15049), (234, 15097), (236, 15103), (242, 15121), (259, 15151), (299, 15256), (318, 15310), (321, 15316), (325, 15325), (333, 15346), (341, 15370), (354, 15406), (356, 15412), (367, 15445), (369, 15448), (371, 15457), (378, 15472), (381, 15478), (397, 15496), (402, 15511), (404, 15517), (409, 15535), (410, 15538), (417, 15553), (424, 15568), (426, 15574), (440, 15622), (445, 15634), (446, 15640), (481, 15700), (485, 15712), (497, 15748), (500, 15760), (527, 15835), (529, 15844), (538, 15862), (540, 15868), (549, 15898), (578, 16003), (581, 16015), (592, 16051), (631, 16129), (663, 16249), (671, 16282), (679, 16312), (681, 16324), (686, 16342), (687, 16348), (688, 16351), (690, 16357), (698, 16372), (699, 16375), (702, 16396), (703, 16399), (718, 16441), (723, 16471), (732, 16513), (733, 16519),

Gene: DaWorst_18 Start: 15337, Stop: 17046, Start Num: 114
Candidate Starts for DaWorst_18:
(Start: 114 @15337 has 231 MA's), (171, 15424), (Start: 193 @15469 has 2 MA's), (202, 15493), (219, 15550), (234, 15598), (236, 15604), (242, 15622), (259, 15652), (299, 15757), (318, 15811), (321, 15817), (325, 15826), (333, 15847), (341, 15871), (354, 15907), (356, 15913), (367, 15946), (369, 15949), (371, 15958), (378, 15973), (381, 15979), (397, 15997), (402, 16012), (404, 16018), (409, 16036), (410, 16039), (417, 16054), (424, 16069), (426, 16075), (440, 16123), (445, 16135), (446, 16141), (481, 16201), (485, 16213), (497, 16249), (500, 16261), (527, 16336), (529, 16345), (538, 16363), (540, 16369), (549, 16399), (578, 16504), (581, 16516), (592, 16552), (631, 16630), (663, 16750), (671, 16783), (679, 16813), (681, 16825), (686, 16843), (687, 16849), (688, 16852), (690, 16858), (698, 16873), (699, 16876), (702, 16897), (703, 16900), (718, 16942), (723, 16972), (732, 17014), (733, 17020),

Gene: DaddyRickover_16 Start: 14976, Stop: 16685, Start Num: 114
Candidate Starts for DaddyRickover_16:
(Start: 114 @14976 has 231 MA's), (171, 15063), (Start: 193 @15108 has 2 MA's), (202, 15132), (234, 15237), (236, 15243), (242, 15261), (259, 15291), (299, 15396), (321, 15456), (330, 15477), (333, 15486), (341, 15510), (397, 15636), (402, 15651), (404, 15657), (417, 15693), (418, 15696), (424, 15708), (426, 15714), (440, 15762), (445, 15774), (446, 15780), (481, 15840), (485, 15852), (497, 15888), (500, 15900), (527, 15975), (529, 15984), (538, 16002), (540, 16008), (549, 16038), (578, 16143), (580, 16152), (581, 16155), (592, 16191), (631, 16269), (656, 16368), (663, 16389), (671, 16422), (679, 16452), (686, 16482), (688, 16491), (690, 16497), (698, 16512), (699, 16515), (702, 16536), (703, 16539), (718, 16581), (723, 16611), (732, 16653),

Gene: Daegal_23 Start: 17697, Stop: 19439, Start Num: 80
Candidate Starts for Daegal_23:
(Start: 80 @17697 has 43 MA's), (Start: 87 @17706 has 18 MA's), (120, 17748), (152, 17799), (163, 17823), (170, 17835), (177, 17856), (185, 17871), (Start: 193 @17889 has 2 MA's), (204, 17922), (212, 17949), (236, 18021), (272, 18111), (304, 18195), (307, 18204), (315, 18225), (341, 18291), (354, 18318), (379, 18351), (398, 18369), (405, 18390), (409, 18405), (410, 18408), (435, 18474), (436, 18477), (453, 18543), (464, 18555), (472, 18564), (473, 18567), (501, 18654), (518, 18708), (541, 18753), (543, 18759), (560, 18831), (567, 18861), (578, 18888), (588, 18924), (591, 18933), (627, 19011), (665, 19155), (669, 19173), (672, 19185), (676, 19200), (677, 19203), (682, 19224), (688, 19236), (702, 19284), (713, 19317), (729, 19392), (733, 19410), (745, 19431),

Gene: Daenerys_16 Start: 14808, Stop: 16517, Start Num: 114
Candidate Starts for Daenerys_16:
(Start: 114 @14808 has 231 MA's), (171, 14895), (Start: 193 @14940 has 2 MA's), (202, 14964), (234, 15069), (236, 15075), (242, 15093), (259, 15123), (299, 15228), (321, 15288), (330, 15309), (333, 15318), (341, 15342), (397, 15468), (402, 15483), (404, 15489), (417, 15525), (418, 15528), (424, 15540), (426, 15546), (440, 15594), (445, 15606), (446, 15612), (481, 15672), (485, 15684), (497, 15720), (500, 15732), (527, 15807), (529, 15816), (538, 15834), (540, 15840), (549, 15870), (578, 15975), (580, 15984), (581, 15987), (592, 16023), (631, 16101), (656, 16200), (663, 16221), (671, 16254), (679, 16284), (686, 16314), (688, 16323), (690, 16329), (698, 16344), (699, 16347), (702, 16368), (703, 16371), (718, 16413), (723, 16443), (732, 16485),

Gene: Daikon_22 Start: 19567, Stop: 21162, Start Num: 169
Candidate Starts for Daikon_22:
(Start: 119 @19483 has 132 MA's), (Start: 169 @19567 has 49 MA's), (Start: 203 @19645 has 1 MA's), (231, 19732), (236, 19747), (259, 19795), (273, 19834), (305, 19921), (319, 19954), (333, 19990), (343, 20020), (345, 20026), (370, 20095), (399, 20125), (403, 20137), (404, 20140), (426, 20197), (483, 20329), (484, 20335), (505, 20401), (507, 20407), (513, 20431), (529, 20479), (540, 20503), (543, 20512), (562, 20587), (580, 20638), (585, 20653), (648, 20815), (654, 20842), (663, 20872), (689, 20977), (716, 21055), (723, 21091), (725, 21100), (732, 21133), (738, 21148),

Gene: Dalilpop_46 Start: 32122, Stop: 33741, Start Num: 109
Candidate Starts for Dalilpop_46:
(Start: 109 @32122 has 43 MA's), (Start: 123 @32137 has 61 MA's), (Start: 141 @32158 has 1 MA's), (185, 32236), (232, 32374), (292, 32503), (301, 32533), (312, 32560), (316, 32569), (324, 32584), (365, 32695), (385, 32725), (387, 32728), (417, 32785), (505, 33010), (531, 33049), (549, 33097), (583, 33223), (593, 33259), (629, 33316), (643, 33370), (663, 33445), (701, 33577), (721, 33652), (723, 33664), (726, 33676), (727, 33685), (738, 33721),

Gene: Dalmuri_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Dalmuri_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: DanSyl44_25 Start: 18636, Stop: 20423, Start Num: 82
Candidate Starts for DanSyl44_25:
(Start: 64 @18597 has 1 MA's), (Start: 77 @18627 has 26 MA's), (Start: 80 @18633 has 43 MA's), (Start: 82 @18636 has 156 MA's), (135, 18693), (160, 18741), (177, 18780), (185, 18795), (Start: 193 @18813 has 2 MA's), (204, 18846), (215, 18876), (229, 18921), (236, 18939), (268, 19011), (269,

19017), (284, 19047), (305, 19113), (309, 19125), (369, 19260), (402, 19308), (404, 19314), (409, 19332), (423, 19362), (435, 19401), (436, 19404), (481, 19527), (500, 19587), (501, 19590), (507, 19608), (512, 19623), (561, 19791), (578, 19845), (591, 19890), (609, 19935), (617, 19959), (627, 19992), (636, 20025), (654, 20097), (657, 20109), (671, 20160), (672, 20166), (702, 20268), (733, 20394), (745, 20415),

Gene: Dante_16 Start: 14825, Stop: 16534, Start Num: 114
Candidate Starts for Dante_16:
(Start: 114 @14825 has 231 MA's), (171, 14912), (Start: 193 @14957 has 2 MA's), (202, 14981), (234, 15086), (236, 15092), (242, 15110), (259, 15140), (299, 15245), (321, 15305), (330, 15326), (333, 15335), (341, 15359), (397, 15485), (402, 15500), (404, 15506), (417, 15542), (418, 15545), (424, 15557), (426, 15563), (440, 15611), (445, 15623), (446, 15629), (481, 15689), (485, 15701), (497, 15737), (500, 15749), (527, 15824), (529, 15833), (538, 15851), (540, 15857), (549, 15887), (578, 15992), (580, 16001), (581, 16004), (592, 16040), (631, 16118), (656, 16217), (663, 16238), (671, 16271), (679, 16301), (686, 16331), (688, 16340), (690, 16346), (698, 16361), (699, 16364), (703, 16388), (714, 16418), (718, 16430), (723, 16460), (732, 16502),

Gene: Dardanus_24 Start: 16682, Stop: 18013, Start Num: 209
Candidate Starts for Dardanus_24:
(Start: 209 @16682 has 11 MA's), (218, 16703), (276, 16847), (294, 16889), (307, 16934), (312, 16949), (336, 17009), (339, 17018), (369, 17102), (451, 17216), (462, 17225), (490, 17270), (539, 17345), (547, 17372), (559, 17426), (581, 17498), (627, 17591), (629, 17597), (638, 17630), (663, 17717), (694, 17828), (704, 17873), (711, 17897), (716, 17909), (717, 17912), (723, 17945),

Gene: Daredevil_29 Start: 25466, Stop: 27352, Start Num: 107
Candidate Starts for Daredevil_29:
(53, 25364), (Start: 107 @25466 has 54 MA's), (175, 25577), (197, 25628), (212, 25676), (270, 25808), (300, 25883), (317, 25931), (348, 26015), (372, 26153), (393, 26252), (422, 26345), (426, 26357), (427, 26363), (435, 26387), (446, 26423), (447, 26429), (500, 26549), (511, 26582), (513, 26594), (538, 26654), (562, 26756), (578, 26798), (585, 26822), (639, 26945), (657, 27020), (663, 27038), (696, 27152), (746, 27344),

Gene: Darionha_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Darionha_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: DartGoblin_23 Start: 17081, Stop: 18847, Start Num: 82
Candidate Starts for DartGoblin_23:
(Start: 82 @17081 has 156 MA's), (Start: 103 @17111 has 1 MA's), (Start: 193 @17270 has 2 MA's), (204, 17303), (215, 17333), (225, 17366), (229, 17378), (268, 17468), (288, 17510), (309, 17582), (313, 17591), (330, 17630), (345, 17675), (356, 17699), (404, 17771), (420, 17813), (423, 17819), (431, 17846), (481, 17984), (486, 18002), (500, 18044), (506, 18062), (516, 18092), (529, 18119), (561, 18224), (588, 18314), (628, 18419), (636, 18449), (639, 18458), (657, 18533), (671, 18584), (725, 18779), (733, 18818), (734, 18821), (745, 18839),

Gene: DarthP_22 Start: 17578, Stop: 19344, Start Num: 82
Candidate Starts for DarthP_22:

(Start: 64 @17539 has 1 MA's), (Start: 77 @17569 has 26 MA's), (Start: 82 @17578 has 156 MA's), (Start: 103 @17608 has 1 MA's), (177, 17734), (185, 17749), (Start: 193 @17767 has 2 MA's), (204, 17800), (225, 17863), (229, 17875), (236, 17893), (268, 17965), (284, 18001), (288, 18007), (313, 18088), (355, 18193), (356, 18196), (382, 18232), (404, 18268), (420, 18310), (423, 18316), (431, 18343), (443, 18379), (486, 18499), (516, 18589), (529, 18616), (547, 18661), (561, 18721), (584, 18796), (591, 18820), (617, 18880), (628, 18916), (636, 18946), (657, 19030), (671, 19081), (702, 19189), (733, 19315), (734, 19318), (745, 19336),

Gene: Dartin_23 Start: 16514, Stop: 18280, Start Num: 82
Candidate Starts for Dartin_23:
(Start: 77 @16505 has 26 MA's), (Start: 82 @16514 has 156 MA's), (Start: 87 @16520 has 18 MA's), (Start: 103 @16544 has 1 MA's), (135, 16583), (177, 16670), (185, 16685), (Start: 193 @16703 has 2 MA's), (204, 16736), (268, 16901), (284, 16937), (309, 17015), (313, 17024), (355, 17129), (356, 17132), (384, 17171), (402, 17198), (404, 17204), (420, 17246), (423, 17252), (431, 17279), (481, 17417), (486, 17435), (516, 17525), (529, 17552), (544, 17585), (561, 17657), (578, 17711), (588, 17747), (595, 17771), (617, 17816), (627, 17849), (630, 17864), (636, 17882), (639, 17891), (657, 17966), (671, 18017), (672, 18023), (702, 18125), (733, 18251), (734, 18254), (745, 18272),

Gene: Darwin_34 Start: 28167, Stop: 29765, Start Num: 117
Candidate Starts for Darwin_34:
(Start: 117 @28167 has 8 MA's), (187, 28266), (212, 28335), (226, 28374), (278, 28509), (301, 28569), (351, 28695), (368, 28722), (379, 28734), (383, 28743), (385, 28746), (411, 28791), (417, 28806), (422, 28815), (425, 28824), (442, 28878), (447, 28896), (476, 28950), (559, 29166), (587, 29259), (637, 29367), (650, 29421), (670, 29496), (704, 29625), (737, 29751),

Gene: DatBoi_31 Start: 27896, Stop: 29605, Start Num: 107
Candidate Starts for DatBoi_31:
(Start: 107 @27896 has 54 MA's), (173, 27998), (238, 28181), (300, 28313), (309, 28343), (317, 28361), (361, 28484), (426, 28610), (427, 28616), (444, 28667), (447, 28682), (500, 28802), (511, 28835), (562, 29009), (585, 29075), (654, 29261), (657, 29273), (677, 29351), (696, 29405), (742, 29573), (746, 29597),

Gene: DeadP_16 Start: 14839, Stop: 16548, Start Num: 114
Candidate Starts for DeadP_16:
(Start: 114 @14839 has 231 MA's), (171, 14926), (Start: 193 @14971 has 2 MA's), (202, 14995), (234, 15100), (236, 15106), (242, 15124), (259, 15154), (299, 15259), (321, 15319), (329, 15337), (330, 15340), (333, 15349), (341, 15373), (397, 15499), (402, 15514), (404, 15520), (417, 15556), (418, 15559), (424, 15571), (426, 15577), (440, 15625), (445, 15637), (446, 15643), (481, 15703), (485, 15715), (497, 15751), (500, 15763), (527, 15838), (529, 15847), (538, 15865), (540, 15871), (549, 15901), (578, 16006), (580, 16015), (581, 16018), (592, 16054), (631, 16132), (656, 16231), (663, 16252), (671, 16285), (679, 16315), (686, 16345), (688, 16354), (690, 16360), (698, 16375), (699, 16378), (703, 16402), (714, 16432), (718, 16444), (723, 16474), (732, 16516),

Gene: DearBasketball_21 Start: 15194, Stop: 16810, Start Num: 115
Candidate Starts for DearBasketball_21:
(Start: 115 @15194 has 7 MA's), (175, 15293), (186, 15317), (225, 15428), (226, 15431), (233, 15449), (236, 15458), (271, 15524), (279, 15539), (284, 15548), (288, 15554), (309, 15626), (317, 15644), (338, 15698), (341, 15707), (375, 15761), (404, 15797), (405, 15800), (443, 15908), (477, 15980), (481, 15986), (484, 15995), (489, 16013), (518, 16103), (546, 16172), (559, 16217), (562, 16235), (566, 16247), (621, 16361), (624, 16373), (627, 16385), (632, 16406), (636, 16418), (640, 16433), (648, 16463), (656, 16499), (710, 16688), (726, 16751), (730, 16772), (738, 16796),

Gene: Deb65_16 Start: 14805, Stop: 16514, Start Num: 114

Candidate Starts for Deb65_16:
(Start: 114 @14805 has 231 MA's), (171, 14892), (Start: 193 @14937 has 2 MA's), (202, 14961), (234, 15066), (236, 15072), (242, 15090), (259, 15120), (299, 15225), (321, 15285), (330, 15306), (333, 15315), (341, 15339), (397, 15465), (402, 15480), (404, 15486), (417, 15522), (418, 15525), (424, 15537), (426, 15543), (440, 15591), (445, 15603), (446, 15609), (481, 15669), (485, 15681), (497, 15717), (500, 15729), (527, 15804), (529, 15813), (538, 15831), (540, 15837), (549, 15867), (578, 15972), (581, 15984), (592, 16020), (631, 16098), (656, 16197), (663, 16218), (671, 16251), (679, 16281), (686, 16311), (688, 16320), (690, 16326), (698, 16341), (699, 16344), (702, 16365), (703, 16368), (718, 16410), (723, 16440), (732, 16482),

Gene: Deby_23 Start: 17122, Stop: 18888, Start Num: 82
Candidate Starts for Deby_23:
(Start: 82 @17122 has 156 MA's), (Start: 103 @17152 has 1 MA's), (Start: 193 @17311 has 2 MA's), (204, 17344), (215, 17374), (225, 17407), (229, 17419), (268, 17509), (288, 17551), (309, 17623), (313, 17632), (330, 17671), (345, 17716), (355, 17737), (356, 17740), (398, 17794), (404, 17812), (420, 17854), (423, 17860), (431, 17887), (481, 18025), (486, 18043), (500, 18085), (506, 18103), (516, 18133), (529, 18160), (561, 18265), (617, 18424), (628, 18460), (636, 18490), (639, 18499), (657, 18574), (671, 18625), (725, 18820), (733, 18859), (734, 18862), (745, 18880),

Gene: DeepSoil15_22 Start: 17406, Stop: 19148, Start Num: 80
Candidate Starts for DeepSoil15_22:
(Start: 80 @17406 has 43 MA's), (Start: 87 @17415 has 18 MA's), (120, 17457), (152, 17508), (163, 17532), (170, 17544), (177, 17565), (185, 17580), (Start: 193 @17598 has 2 MA's), (204, 17631), (212, 17658), (236, 17730), (272, 17820), (304, 17904), (307, 17913), (315, 17934), (341, 18000), (354, 18027), (379, 18060), (398, 18078), (405, 18099), (409, 18114), (410, 18117), (435, 18183), (436, 18186), (453, 18252), (464, 18264), (472, 18273), (473, 18276), (501, 18363), (518, 18417), (541, 18462), (543, 18468), (560, 18540), (567, 18570), (578, 18597), (588, 18633), (591, 18642), (627, 18720), (665, 18864), (669, 18882), (672, 18894), (676, 18909), (677, 18912), (682, 18933), (688, 18945), (702, 18993), (713, 19026), (729, 19101), (733, 19119), (745, 19140),

Gene: DelRio_23 Start: 18352, Stop: 20058, Start Num: 130
Candidate Starts for DelRio_23:
(Start: 73 @18277 has 2 MA's), (Start: 130 @18352 has 17 MA's), (177, 18445), (185, 18460), (187, 18466), (215, 18541), (237, 18613), (286, 18724), (300, 18769), (305, 18787), (309, 18799), (402, 18970), (405, 18979), (406, 18985), (420, 19018), (441, 19081), (453, 19132), (472, 19156), (479, 19180), (504, 19255), (516, 19294), (559, 19426), (593, 19540), (627, 19627), (656, 19741), (659, 19750), (688, 19855), (715, 19942), (745, 20050),

Gene: Delian_19 Start: 16674, Stop: 18320, Start Num: 150
Candidate Starts for Delian_19:
(Start: 130 @16638 has 17 MA's), (Start: 150 @16674 has 49 MA's), (199, 16776), (221, 16848), (223, 16854), (224, 16857), (264, 16953), (278, 16992), (306, 17073), (329, 17127), (334, 17142), (398, 17238), (426, 17313), (435, 17343), (507, 17526), (513, 17550), (562, 17694), (566, 17706), (586, 17766), (628, 17898), (629, 17901), (654, 18000), (659, 18018), (672, 18069), (692, 18135), (709, 18198), (714, 18210),

Gene: Delrey21_34 Start: 30944, Stop: 32566, Start Num: 123
Candidate Starts for Delrey21_34:
(Start: 81 @30887 has 1 MA's), (Start: 123 @30944 has 61 MA's), (140, 30965), (175, 31028), (202, 31091), (221, 31151), (225, 31163), (268, 31250), (290, 31301), (299, 31331), (330, 31412), (339, 31439), (405, 31538), (416, 31568), (420, 31577), (432, 31613), (450, 31673), (481, 31721), (484, 31730), (514, 31829), (532, 31868), (538, 31880), (581, 32036), (585, 32048), (602, 32075), (627, 32132), (638, 32171), (640, 32180), (652, 32237), (655, 32249), (668, 32297), (671, 32306), (672,

32312), (677, 32333), (701, 32411), (734, 32549),

Gene: Denise_17 Start: 14794, Stop: 16503, Start Num: 123
Candidate Starts for Denise_17:
(Start: 123 @14794 has 61 MA's), (186, 14911), (210, 14983), (211, 14986), (236, 15061), (259, 15100), (264, 15115), (280, 15157), (292, 15184), (324, 15274), (326, 15277), (376, 15409), (395, 15463), (424, 15544), (443, 15604), (445, 15610), (492, 15697), (531, 15769), (539, 15787), (551, 15826), (567, 15898), (568, 15901), (577, 15922), (654, 16156), (658, 16171), (663, 16186), (669, 16213), (691, 16306), (692, 16309), (702, 16357), (711, 16387), (716, 16399), (725, 16444),

Gene: Devera_23 Start: 17169, Stop: 18935, Start Num: 82
Candidate Starts for Devera_23:
(Start: 82 @17169 has 156 MA's), (Start: 103 @17199 has 1 MA's), (Start: 193 @17358 has 2 MA's), (204, 17391), (215, 17421), (225, 17454), (229, 17466), (268, 17556), (284, 17592), (288, 17598), (309, 17670), (313, 17679), (330, 17718), (345, 17763), (346, 17766), (355, 17784), (356, 17787), (404, 17859), (420, 17901), (423, 17907), (431, 17934), (443, 17970), (458, 18027), (481, 18072), (486, 18090), (506, 18150), (516, 18180), (529, 18207), (561, 18312), (588, 18402), (617, 18471), (628, 18507), (636, 18537), (639, 18546), (657, 18621), (671, 18672), (701, 18771), (716, 18822), (733, 18906), (734, 18909), (745, 18927),

Gene: Dewey_22 Start: 17406, Stop: 19148, Start Num: 80
Candidate Starts for Dewey_22:
(Start: 80 @17406 has 43 MA's), (Start: 87 @17415 has 18 MA's), (120, 17457), (152, 17508), (163, 17532), (170, 17544), (177, 17565), (185, 17580), (Start: 193 @17598 has 2 MA's), (204, 17631), (212, 17658), (236, 17730), (272, 17820), (304, 17904), (307, 17913), (315, 17934), (341, 18000), (354, 18027), (379, 18060), (398, 18078), (405, 18099), (409, 18114), (410, 18117), (435, 18183), (436, 18186), (453, 18252), (464, 18264), (472, 18273), (473, 18276), (501, 18363), (518, 18417), (541, 18462), (543, 18468), (560, 18540), (567, 18570), (578, 18597), (588, 18633), (591, 18642), (627, 18720), (665, 18864), (669, 18882), (672, 18894), (676, 18909), (677, 18912), (682, 18933), (688, 18945), (702, 18993), (713, 19026), (729, 19101), (733, 19119), (745, 19140),

Gene: Dexdert_33 Start: 27970, Stop: 29589, Start Num: 126
Candidate Starts for Dexdert_33:
(Start: 126 @27970 has 11 MA's), (140, 27991), (175, 28054), (221, 28177), (225, 28189), (254, 28246), (290, 28324), (334, 28447), (405, 28561), (416, 28591), (431, 28633), (450, 28696), (481, 28744), (484, 28753), (500, 28804), (514, 28852), (566, 29017), (578, 29047), (627, 29155), (628, 29158), (640, 29203), (652, 29260), (654, 29266), (655, 29272), (668, 29320), (671, 29329), (672, 29335), (673, 29338), (688, 29389), (701, 29434), (719, 29503), (729, 29551), (732, 29563),

Gene: DillTech15_16 Start: 14841, Stop: 16550, Start Num: 114
Candidate Starts for DillTech15_16:
(Start: 114 @14841 has 231 MA's), (171, 14928), (Start: 193 @14973 has 2 MA's), (202, 14997), (234, 15102), (236, 15108), (242, 15126), (259, 15156), (299, 15261), (318, 15315), (321, 15321), (325, 15330), (333, 15351), (341, 15375), (354, 15411), (356, 15417), (367, 15450), (369, 15453), (371, 15462), (378, 15477), (381, 15483), (397, 15501), (402, 15516), (404, 15522), (409, 15540), (410, 15543), (417, 15558), (424, 15573), (426, 15579), (440, 15627), (445, 15639), (446, 15645), (481, 15705), (485, 15717), (497, 15753), (500, 15765), (527, 15840), (529, 15849), (538, 15867), (540, 15873), (578, 16008), (581, 16020), (592, 16056), (663, 16254), (671, 16287), (679, 16317), (686, 16347), (688, 16356), (690, 16362), (698, 16377), (699, 16380), (702, 16401), (703, 16404), (718, 16446), (723, 16476), (732, 16518), (733, 16524),

Gene: Dillpickles_20 Start: 17773, Stop: 19371, Start Num: 121
Candidate Starts for Dillpickles_20:

(Start: 121 @17773 has 70 MA's), (240, 18022), (247, 18031), (259, 18049), (260, 18052), (280, 18106), (306, 18181), (333, 18250), (336, 18259), (340, 18271), (357, 18322), (367, 18349), (376, 18358), (378, 18361), (424, 18391), (425, 18394), (443, 18451), (474, 18517), (503, 18595), (521, 18628), (539, 18652), (550, 18688), (577, 18790), (593, 18847), (619, 18892), (622, 18898), (631, 18937), (692, 19177), (711, 19255),

Gene: DingDing_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for DingDing_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: DinoDaryn_24 Start: 16702, Stop: 18030, Start Num: 209
Candidate Starts for DinoDaryn_24:
(Start: 209 @16702 has 11 MA's), (217, 16717), (265, 16831), (275, 16861), (294, 16906), (307, 16951), (330, 17008), (336, 17026), (339, 17035), (347, 17059), (349, 17065), (350, 17068), (369, 17119), (382, 17131), (433, 17173), (448, 17224), (451, 17233), (462, 17242), (490, 17287), (550, 17398), (559, 17443), (580, 17512), (589, 17533), (629, 17614), (638, 17647), (663, 17734), (672, 17770), (675, 17785), (678, 17794), (692, 17836), (717, 17929), (720, 17947), (732, 18004), (735, 18013),

Gene: DinoNuggs_19 Start: 15160, Stop: 16776, Start Num: 115
Candidate Starts for DinoNuggs_19:
(Start: 115 @15160 has 7 MA's), (175, 15259), (186, 15283), (225, 15394), (226, 15397), (233, 15415), (236, 15424), (271, 15490), (279, 15505), (284, 15514), (288, 15520), (309, 15592), (317, 15610), (338, 15664), (341, 15673), (375, 15727), (404, 15763), (405, 15766), (443, 15874), (477, 15946), (481, 15952), (484, 15961), (489, 15979), (518, 16069), (546, 16138), (559, 16183), (562, 16201), (566, 16213), (594, 16279), (621, 16327), (624, 16339), (627, 16351), (632, 16372), (636, 16384), (640, 16399), (648, 16429), (656, 16465), (710, 16654), (726, 16717), (730, 16738), (738, 16762),

Gene: DirtMcgirt_17 Start: 14762, Stop: 16339, Start Num: 193
Candidate Starts for DirtMcgirt_17:
(Start: 114 @14630 has 231 MA's), (171, 14717), (Start: 193 @14762 has 2 MA's), (202, 14786), (219, 14843), (234, 14891), (236, 14897), (242, 14915), (259, 14945), (299, 15050), (318, 15104), (321, 15110), (325, 15119), (330, 15131), (333, 15140), (341, 15164), (354, 15200), (356, 15206), (359, 15218), (367, 15239), (369, 15242), (371, 15251), (378, 15266), (381, 15272), (397, 15290), (402, 15305), (404, 15311), (409, 15329), (410, 15332), (417, 15347), (424, 15362), (426, 15368), (435, 15398), (440, 15416), (445, 15428), (446, 15434), (481, 15494), (485, 15506), (497, 15542), (500, 15554), (507, 15575), (527, 15629), (529, 15638), (540, 15662), (549, 15692), (578, 15797), (581, 15809), (592, 15845), (622, 15884), (631, 15923), (656, 16022), (663, 16043), (671, 16076), (679, 16106), (686, 16136), (688, 16145), (690, 16151), (698, 16166), (699, 16169), (702, 16190), (703, 16193), (718, 16235), (723, 16265), (732, 16307), (733, 16313),

Gene: DismalFunk_19 Start: 15013, Stop: 16782, Start Num: 80
Candidate Starts for DismalFunk_19:
(Start: 64 @14977 has 1 MA's), (Start: 77 @15007 has 26 MA's), (Start: 80 @15013 has 43 MA's), (Start: 97 @15028 has 61 MA's), (135, 15070), (160, 15118), (177, 15157), (185, 15172), (204, 15223), (215, 15253), (225, 15286), (229, 15298), (236, 15316), (268, 15388), (269, 15394), (305, 15490), (309, 15502), (348, 15604), (356, 15619), (382, 15655), (404, 15691), (423, 15739), (435, 15778), (443, 15802), (446, 15814), (481, 15904), (484, 15913), (561, 16159), (578, 16213), (593, 16267),

(636, 16381), (639, 16390), (657, 16465), (671, 16516), (672, 16522), (697, 16603), (701, 16618), (717, 16672), (733, 16753), (745, 16774),

Gene: DismalStressor_19 Start: 15013, Stop: 16782, Start Num: 80
Candidate Starts for DismalStressor_19:
(Start: 64 @14977 has 1 MA's), (Start: 77 @15007 has 26 MA's), (Start: 80 @15013 has 43 MA's), (Start: 97 @15028 has 61 MA's), (135, 15070), (160, 15118), (177, 15157), (185, 15172), (204, 15223), (215, 15253), (225, 15286), (229, 15298), (236, 15316), (268, 15388), (269, 15394), (305, 15490), (309, 15502), (348, 15604), (356, 15619), (382, 15655), (404, 15691), (423, 15739), (435, 15778), (443, 15802), (446, 15814), (481, 15904), (484, 15913), (561, 16159), (578, 16213), (593, 16267), (636, 16381), (639, 16390), (657, 16465), (671, 16516), (672, 16522), (697, 16603), (701, 16618), (717, 16672), (733, 16753), (745, 16774),

Gene: DmpstrDiver_35 Start: 27492, Stop: 29490, Start Num: 113
Candidate Starts for DmpstrDiver_35:
(Start: 113 @27492 has 31 MA's), (Start: 169 @27582 has 49 MA's), (189, 27630), (202, 27660), (Start: 209 @27687 has 11 MA's), (244, 27789), (260, 27819), (278, 27870), (296, 27918), (307, 27954), (308, 27960), (319, 27981), (345, 28053), (348, 28062), (356, 28083), (404, 28191), (405, 28194), (409, 28209), (426, 28248), (440, 28296), (445, 28308), (446, 28314), (470, 28362), (472, 28371), (483, 28392), (487, 28410), (503, 28458), (538, 28560), (559, 28632), (569, 28677), (570, 28689), (571, 28824), (572, 28830), (573, 28854), (574, 28926), (576, 28953), (664, 29202),

Gene: DoRead_16 Start: 14774, Stop: 16483, Start Num: 114
Candidate Starts for DoRead_16:
(Start: 114 @14774 has 231 MA's), (171, 14861), (Start: 193 @14906 has 2 MA's), (202, 14930), (234, 15035), (236, 15041), (242, 15059), (259, 15089), (299, 15194), (321, 15254), (325, 15263), (329, 15272), (330, 15275), (333, 15284), (339, 15302), (341, 15308), (367, 15383), (397, 15434), (402, 15449), (404, 15455), (417, 15491), (418, 15494), (424, 15506), (426, 15512), (440, 15560), (445, 15572), (446, 15578), (481, 15638), (485, 15650), (497, 15686), (500, 15698), (527, 15773), (529, 15782), (538, 15800), (540, 15806), (549, 15836), (578, 15941), (580, 15950), (581, 15953), (592, 15989), (631, 16067), (656, 16166), (663, 16187), (671, 16220), (679, 16250), (686, 16280), (688, 16289), (690, 16295), (698, 16310), (699, 16313), (703, 16337), (714, 16367), (718, 16379), (723, 16409), (732, 16451),

Gene: DobbysSock_19 Start: 16820, Stop: 18400, Start Num: 121
Candidate Starts for DobbysSock_19:
(53, 16703), (Start: 121 @16820 has 70 MA's), (247, 17078), (260, 17099), (280, 17153), (295, 17192), (314, 17249), (324, 17270), (425, 17441), (430, 17459), (438, 17483), (445, 17504), (474, 17546), (504, 17627), (550, 17717), (577, 17819), (578, 17822), (593, 17876), (677, 18146), (701, 18245), (702, 18254), (711, 18284),

Gene: DocMcStuffins_17 Start: 14677, Stop: 16386, Start Num: 114
Candidate Starts for DocMcStuffins_17:
(Start: 114 @14677 has 231 MA's), (171, 14764), (Start: 193 @14809 has 2 MA's), (202, 14833), (234, 14938), (236, 14944), (242, 14962), (247, 14971), (259, 14992), (299, 15097), (321, 15157), (325, 15166), (330, 15178), (333, 15187), (341, 15211), (354, 15247), (356, 15253), (359, 15265), (367, 15286), (369, 15289), (371, 15298), (378, 15313), (381, 15319), (397, 15337), (402, 15352), (404, 15358), (409, 15376), (410, 15379), (417, 15394), (424, 15409), (426, 15415), (440, 15463), (445, 15475), (446, 15481), (481, 15541), (485, 15553), (487, 15562), (497, 15589), (500, 15601), (527, 15676), (529, 15685), (538, 15703), (540, 15709), (549, 15739), (578, 15844), (580, 15853), (581, 15856), (592, 15892), (631, 15970), (656, 16069), (663, 16090), (671, 16123), (679, 16153), (686, 16183), (687, 16189), (688, 16192), (690, 16198), (698, 16213), (699, 16216), (702, 16237), (703, 16240), (718, 16282), (732, 16354), (733, 16360),

Gene: DoctorDiddles_24 Start: 18992, Stop: 20587, Start Num: 169
Candidate Starts for DoctorDiddles_24:
(Start: 119 @18908 has 132 MA's), (Start: 169 @18992 has 49 MA's), (Start: 203 @19070 has 1 MA's), (231, 19157), (236, 19172), (259, 19220), (273, 19259), (305, 19346), (319, 19379), (333, 19415), (343, 19445), (345, 19451), (370, 19520), (399, 19550), (403, 19562), (404, 19565), (426, 19622), (483, 19754), (484, 19760), (505, 19826), (507, 19832), (513, 19856), (529, 19904), (540, 19928), (543, 19937), (562, 20012), (580, 20063), (585, 20078), (648, 20240), (654, 20267), (663, 20297), (689, 20402), (716, 20480), (723, 20516), (725, 20525), (732, 20558), (738, 20573),

Gene: DoctorFroggo_34 Start: 30944, Stop: 32566, Start Num: 123
Candidate Starts for DoctorFroggo_34:
(Start: 81 @30887 has 1 MA's), (Start: 123 @30944 has 61 MA's), (140, 30965), (175, 31028), (202, 31091), (221, 31151), (225, 31163), (268, 31250), (290, 31301), (299, 31331), (330, 31412), (339, 31439), (405, 31538), (416, 31568), (420, 31577), (432, 31613), (450, 31673), (481, 31721), (484, 31730), (514, 31829), (532, 31868), (538, 31880), (581, 32036), (585, 32048), (602, 32075), (627, 32132), (638, 32171), (640, 32180), (652, 32237), (655, 32249), (668, 32297), (671, 32306), (672, 32312), (677, 32333), (701, 32411), (734, 32549),

Gene: Dogfish_21 Start: 18185, Stop: 19831, Start Num: 121
Candidate Starts for Dogfish_21:
(Start: 121 @18185 has 70 MA's), (174, 18275), (185, 18299), (187, 18305), (214, 18383), (232, 18449), (234, 18455), (288, 18566), (291, 18575), (298, 18602), (301, 18611), (307, 18632), (402, 18803), (403, 18806), (427, 18872), (432, 18887), (448, 18941), (462, 18971), (473, 18980), (490, 19022), (497, 19043), (512, 19091), (514, 19103), (527, 19130), (551, 19199), (565, 19268), (578, 19301), (605, 19358), (628, 19409), (646, 19478), (668, 19565), (672, 19580), (689, 19637), (692, 19646), (715, 19724), (717, 19730),

Gene: Dole_23 Start: 17171, Stop: 18937, Start Num: 82
Candidate Starts for Dole_23:
(Start: 82 @17171 has 156 MA's), (Start: 103 @17201 has 1 MA's), (Start: 193 @17360 has 2 MA's), (204, 17393), (215, 17423), (225, 17456), (229, 17468), (268, 17558), (284, 17594), (288, 17600), (309, 17672), (313, 17681), (330, 17720), (345, 17765), (346, 17768), (355, 17786), (356, 17789), (404, 17861), (420, 17903), (423, 17909), (431, 17936), (443, 17972), (458, 18029), (481, 18074), (486, 18092), (506, 18152), (516, 18182), (529, 18209), (561, 18314), (588, 18404), (617, 18473), (628, 18509), (636, 18539), (639, 18548), (657, 18623), (671, 18674), (701, 18773), (716, 18824), (733, 18908), (734, 18911), (745, 18929),

Gene: Dolores_20 Start: 17322, Stop: 18902, Start Num: 121
Candidate Starts for Dolores_20:
(53, 17205), (Start: 121 @17322 has 70 MA's), (247, 17580), (260, 17601), (280, 17655), (295, 17694), (314, 17751), (324, 17772), (425, 17943), (430, 17961), (438, 17985), (445, 18006), (474, 18048), (504, 18129), (550, 18219), (559, 18264), (577, 18321), (578, 18324), (593, 18378), (631, 18468), (701, 18747), (702, 18756), (711, 18786),

Gene: DonkeyMan_18 Start: 14949, Stop: 16565, Start Num: 115
Candidate Starts for DonkeyMan_18:
(Start: 115 @14949 has 7 MA's), (175, 15048), (186, 15072), (225, 15183), (226, 15186), (233, 15204), (236, 15213), (271, 15279), (279, 15294), (284, 15303), (288, 15309), (309, 15381), (317, 15399), (338, 15453), (341, 15462), (375, 15516), (404, 15552), (405, 15555), (443, 15663), (477, 15735), (481, 15741), (484, 15750), (489, 15768), (518, 15858), (559, 15972), (562, 15990), (566, 16002), (594, 16068), (621, 16116), (624, 16128), (627, 16140), (632, 16161), (636, 16173), (640, 16188), (648, 16218), (656, 16254), (710, 16443), (726, 16506), (730, 16527), (738, 16551),

Gene: Donkeykong_16 Start: 14982, Stop: 16691, Start Num: 114
Candidate Starts for Donkeykong_16:
(Start: 114 @14982 has 231 MA's), (171, 15069), (Start: 193 @15114 has 2 MA's), (202, 15138), (219, 15195), (234, 15243), (236, 15249), (242, 15267), (259, 15297), (299, 15402), (321, 15462), (325, 15471), (333, 15492), (341, 15516), (356, 15558), (367, 15591), (371, 15603), (378, 15618), (381, 15624), (397, 15642), (402, 15657), (404, 15663), (417, 15699), (424, 15714), (426, 15720), (440, 15768), (445, 15780), (446, 15786), (481, 15846), (485, 15858), (497, 15894), (500, 15906), (527, 15981), (529, 15990), (538, 16008), (540, 16014), (549, 16044), (578, 16149), (580, 16158), (581, 16161), (592, 16197), (631, 16275), (656, 16374), (663, 16395), (671, 16428), (679, 16458), (686, 16488), (688, 16497), (690, 16503), (698, 16518), (699, 16521), (703, 16545), (714, 16575), (718, 16587), (723, 16617), (732, 16659),

Gene: Donovan_19 Start: 16374, Stop: 18110, Start Num: 107
Candidate Starts for Donovan_19:
(Start: 90 @16350 has 2 MA's), (Start: 107 @16374 has 54 MA's), (148, 16434), (159, 16455), (161, 16458), (211, 16578), (225, 16617), (235, 16650), (244, 16674), (294, 16794), (305, 16833), (307, 16839), (339, 16923), (341, 16929), (345, 16941), (354, 16965), (362, 16992), (370, 17010), (396, 17049), (397, 17055), (405, 17079), (426, 17133), (429, 17145), (432, 17154), (450, 17214), (487, 17292), (500, 17331), (511, 17364), (529, 17430), (537, 17445), (540, 17454), (547, 17478), (555, 17508), (559, 17520), (590, 17622), (593, 17634), (594, 17637), (596, 17643), (616, 17652), (646, 17760), (667, 17844), (693, 17943), (725, 18051), (738, 18099),

Gene: Doomphist_16 Start: 14940, Stop: 16649, Start Num: 114
Candidate Starts for Doomphist_16:
(Start: 114 @14940 has 231 MA's), (171, 15027), (Start: 193 @15072 has 2 MA's), (202, 15096), (234, 15201), (236, 15207), (242, 15225), (259, 15255), (299, 15360), (321, 15420), (330, 15441), (333, 15450), (341, 15474), (367, 15549), (397, 15600), (402, 15615), (404, 15621), (417, 15657), (418, 15660), (424, 15672), (426, 15678), (440, 15726), (445, 15738), (446, 15744), (481, 15804), (485, 15816), (497, 15852), (500, 15864), (527, 15939), (529, 15948), (538, 15966), (540, 15972), (549, 16002), (578, 16107), (581, 16119), (592, 16155), (631, 16233), (656, 16332), (663, 16353), (671, 16386), (679, 16416), (686, 16446), (687, 16452), (688, 16455), (690, 16461), (698, 16476), (699, 16479), (702, 16500), (703, 16503), (718, 16545), (732, 16617), (733, 16623),

Gene: Doomslug_18 Start: 14664, Stop: 16373, Start Num: 114
Candidate Starts for Doomslug_18:
(Start: 114 @14664 has 231 MA's), (171, 14751), (Start: 193 @14796 has 2 MA's), (202, 14820), (234, 14925), (236, 14931), (242, 14949), (259, 14979), (299, 15084), (321, 15144), (330, 15165), (333, 15174), (341, 15198), (397, 15324), (402, 15339), (404, 15345), (417, 15381), (418, 15384), (424, 15396), (426, 15402), (440, 15450), (445, 15462), (446, 15468), (481, 15528), (485, 15540), (497, 15576), (500, 15588), (527, 15663), (529, 15672), (538, 15690), (540, 15696), (549, 15726), (578, 15831), (580, 15840), (581, 15843), (592, 15879), (631, 15957), (656, 16056), (663, 16077), (671, 16110), (679, 16140), (686, 16170), (688, 16179), (690, 16185), (698, 16200), (699, 16203), (703, 16227), (714, 16257), (718, 16269), (723, 16299), (732, 16341),

Gene: Dorito_19 Start: 16822, Stop: 18402, Start Num: 121
Candidate Starts for Dorito_19:
(10, 16045), (18, 16201), (26, 16396), (27, 16432), (28, 16435), (30, 16519), (31, 16525), (41, 16651), (53, 16705), (Start: 121 @16822 has 70 MA's), (216, 16993), (247, 17080), (259, 17098), (260, 17101), (280, 17155), (295, 17194), (314, 17251), (324, 17272), (425, 17443), (430, 17461), (438, 17485), (445, 17506), (474, 17548), (504, 17629), (550, 17719), (577, 17821), (593, 17878), (631, 17968), (701, 18247), (702, 18256), (711, 18286),

Gene: Dorothy_16 Start: 14766, Stop: 16475, Start Num: 114
Candidate Starts for Dorothy_16:
(Start: 114 @14766 has 231 MA's), (171, 14853), (Start: 193 @14898 has 2 MA's), (202, 14922), (234, 15027), (236, 15033), (242, 15051), (259, 15081), (299, 15186), (321, 15246), (330, 15267), (333, 15276), (341, 15300), (397, 15426), (402, 15441), (404, 15447), (417, 15483), (418, 15486), (424, 15498), (426, 15504), (440, 15552), (445, 15564), (446, 15570), (481, 15630), (485, 15642), (497, 15678), (500, 15690), (527, 15765), (529, 15774), (538, 15792), (540, 15798), (549, 15828), (578, 15933), (580, 15942), (581, 15945), (592, 15981), (631, 16059), (656, 16158), (663, 16179), (671, 16212), (679, 16242), (686, 16272), (688, 16281), (690, 16287), (698, 16302), (699, 16305), (702, 16326), (703, 16329), (718, 16371), (723, 16401), (732, 16443),

Gene: DosHalletts_17 Start: 14741, Stop: 16450, Start Num: 114
Candidate Starts for DosHalletts_17:
(Start: 114 @14741 has 231 MA's), (171, 14828), (Start: 193 @14873 has 2 MA's), (202, 14897), (226, 14975), (234, 15002), (236, 15008), (242, 15026), (259, 15056), (299, 15161), (321, 15221), (330, 15242), (333, 15251), (341, 15275), (356, 15317), (367, 15350), (371, 15362), (378, 15377), (397, 15401), (402, 15416), (404, 15422), (417, 15458), (424, 15473), (426, 15479), (440, 15527), (445, 15539), (446, 15545), (481, 15605), (485, 15617), (497, 15653), (500, 15665), (527, 15740), (529, 15749), (538, 15767), (540, 15773), (549, 15803), (578, 15908), (580, 15917), (581, 15920), (592, 15956), (631, 16034), (656, 16133), (663, 16154), (671, 16187), (679, 16217), (685, 16244), (686, 16247), (688, 16256), (690, 16262), (698, 16277), (699, 16280), (702, 16301), (703, 16304), (706, 16313), (718, 16346), (723, 16376), (732, 16418),

Gene: DotProduct_16 Start: 14816, Stop: 16525, Start Num: 114
Candidate Starts for DotProduct_16:
(Start: 114 @14816 has 231 MA's), (171, 14903), (Start: 193 @14948 has 2 MA's), (202, 14972), (207, 14993), (234, 15077), (236, 15083), (242, 15101), (259, 15131), (299, 15236), (321, 15296), (325, 15305), (330, 15317), (333, 15326), (341, 15350), (367, 15425), (369, 15428), (378, 15452), (381, 15458), (397, 15476), (402, 15491), (404, 15497), (409, 15515), (410, 15518), (417, 15533), (418, 15536), (424, 15548), (426, 15554), (435, 15584), (440, 15602), (445, 15614), (446, 15620), (481, 15680), (485, 15692), (497, 15728), (500, 15740), (507, 15761), (527, 15815), (529, 15824), (540, 15848), (549, 15878), (578, 15983), (580, 15992), (581, 15995), (592, 16031), (622, 16070), (631, 16109), (656, 16208), (663, 16229), (671, 16262), (679, 16292), (686, 16322), (688, 16331), (690, 16337), (698, 16352), (699, 16355), (702, 16376), (703, 16379), (718, 16421), (723, 16451), (732, 16493), (733, 16499),

Gene: DoubleChamp_21 Start: 17552, Stop: 19324, Start Num: 87
Candidate Starts for DoubleChamp_21:
(Start: 87 @17552 has 18 MA's), (Start: 89 @17558 has 2 MA's), (106, 17582), (135, 17615), (160, 17663), (185, 17717), (204, 17768), (225, 17831), (269, 17939), (309, 18047), (355, 18161), (356, 18164), (384, 18203), (398, 18218), (402, 18230), (404, 18236), (417, 18272), (420, 18278), (423, 18284), (435, 18323), (443, 18347), (481, 18449), (501, 18512), (561, 18692), (591, 18791), (621, 18869), (627, 18893), (629, 18899), (638, 18932), (657, 19010), (659, 19016), (702, 19169), (728, 19274), (729, 19277), (733, 19295),

Gene: Doug_17 Start: 15357, Stop: 17066, Start Num: 114
Candidate Starts for Doug_17:
(Start: 114 @15357 has 231 MA's), (171, 15444), (Start: 193 @15489 has 2 MA's), (202, 15513), (234, 15618), (236, 15624), (242, 15642), (259, 15672), (299, 15777), (321, 15837), (330, 15858), (333, 15867), (341, 15891), (397, 16017), (402, 16032), (404, 16038), (417, 16074), (418, 16077), (424, 16089), (426, 16095), (440, 16143), (445, 16155), (446, 16161), (481, 16221), (485, 16233), (497, 16269), (500, 16281), (507, 16302), (527, 16356), (529, 16365), (538, 16383), (540, 16389), (578, 16524), (581, 16536), (592, 16572), (631, 16650), (656, 16749), (663, 16770), (671, 16803), (679,

16833), (686, 16863), (687, 16869), (688, 16872), (690, 16878), (698, 16893), (699, 16896), (702, 16917), (703, 16920), (718, 16962), (732, 17034),

Gene: Doughnut_19 Start: 15033, Stop: 16802, Start Num: 80
Candidate Starts for Doughnut_19:
(Start: 64 @14997 has 1 MA's), (Start: 77 @15027 has 26 MA's), (Start: 80 @15033 has 43 MA's), (Start: 97 @15048 has 61 MA's), (135, 15090), (160, 15138), (177, 15177), (185, 15192), (204, 15243), (215, 15273), (225, 15306), (229, 15318), (236, 15336), (268, 15408), (269, 15414), (305, 15510), (309, 15522), (346, 15618), (404, 15711), (409, 15729), (420, 15753), (423, 15759), (435, 15798), (443, 15822), (446, 15834), (481, 15924), (484, 15933), (501, 15987), (511, 16017), (550, 16128), (561, 16179), (593, 16287), (636, 16401), (639, 16410), (657, 16485), (671, 16536), (672, 16542), (701, 16638), (717, 16692), (733, 16773), (745, 16794),

Gene: Dove_34 Start: 26623, Stop: 28356, Start Num: 113
Candidate Starts for Dove_34:
(Start: 113 @26623 has 31 MA's), (Start: 169 @26713 has 49 MA's), (189, 26761), (202, 26791), (Start: 209 @26818 has 11 MA's), (244, 26920), (260, 26950), (296, 27049), (307, 27085), (308, 27091), (319, 27112), (345, 27184), (348, 27193), (356, 27214), (381, 27283), (404, 27322), (405, 27325), (409, 27340), (426, 27379), (440, 27427), (445, 27439), (446, 27445), (470, 27493), (472, 27502), (483, 27523), (487, 27541), (503, 27589), (538, 27691), (555, 27751), (559, 27763), (585, 27847), (588, 27859), (590, 27865), (593, 27877), (594, 27880), (624, 27919), (629, 27937), (639, 27973), (640, 27979), (663, 28066), (685, 28156), (701, 28198), (705, 28216), (715, 28246), (724, 28288), (738, 28342),

Gene: DrDrey_25 Start: 20238, Stop: 21917, Start Num: 119
Candidate Starts for DrDrey_25:
(Start: 119 @20238 has 132 MA's), (Start: 169 @20322 has 49 MA's), (Start: 203 @20400 has 1 MA's), (231, 20487), (236, 20502), (259, 20550), (273, 20589), (305, 20676), (319, 20709), (333, 20745), (343, 20775), (345, 20781), (370, 20850), (399, 20880), (403, 20892), (404, 20895), (426, 20952), (483, 21084), (484, 21090), (505, 21156), (507, 21162), (513, 21186), (529, 21234), (540, 21258), (543, 21267), (562, 21342), (580, 21393), (585, 21408), (648, 21570), (654, 21597), (663, 21627), (689, 21732), (716, 21810), (723, 21846), (725, 21855), (732, 21888), (738, 21903),

Gene: DrHayes_23 Start: 17102, Stop: 18868, Start Num: 82
Candidate Starts for DrHayes_23:
(Start: 82 @17102 has 156 MA's), (Start: 103 @17132 has 1 MA's), (Start: 193 @17291 has 2 MA's), (204, 17324), (215, 17354), (225, 17387), (229, 17399), (268, 17489), (288, 17531), (309, 17603), (313, 17612), (330, 17651), (345, 17696), (356, 17720), (404, 17792), (420, 17834), (423, 17840), (431, 17867), (481, 18005), (486, 18023), (500, 18065), (516, 18113), (529, 18140), (561, 18245), (588, 18335), (628, 18440), (636, 18470), (639, 18479), (657, 18554), (671, 18605), (725, 18800), (733, 18839), (734, 18842), (745, 18860),

Gene: Drago_17 Start: 14628, Stop: 16337, Start Num: 114
Candidate Starts for Drago_17:
(Start: 114 @14628 has 231 MA's), (171, 14715), (Start: 193 @14760 has 2 MA's), (202, 14784), (219, 14841), (234, 14889), (236, 14895), (242, 14913), (259, 14943), (299, 15048), (318, 15102), (321, 15108), (325, 15117), (330, 15129), (333, 15138), (341, 15162), (354, 15198), (356, 15204), (359, 15216), (367, 15237), (369, 15240), (371, 15249), (378, 15264), (381, 15270), (397, 15288), (402, 15303), (404, 15309), (409, 15327), (410, 15330), (417, 15345), (424, 15360), (426, 15366), (435, 15396), (440, 15414), (445, 15426), (446, 15432), (481, 15492), (485, 15504), (497, 15540), (500, 15552), (507, 15573), (527, 15627), (529, 15636), (540, 15660), (549, 15690), (578, 15795), (581, 15807), (592, 15843), (622, 15882), (631, 15921), (656, 16020), (663, 16041), (671, 16074), (679, 16104), (686, 16134), (688, 16143), (690, 16149), (698, 16164), (699, 16167), (702, 16188), (703,

16191), (718, 16233), (723, 16263), (732, 16305), (733, 16311),

Gene: Dumbo_24 Start: 19297, Stop: 20892, Start Num: 169
Candidate Starts for Dumbo_24:
(Start: 119 @19213 has 132 MA's), (Start: 169 @19297 has 49 MA's), (Start: 203 @19375 has 1 MA's), (231, 19462), (236, 19477), (259, 19525), (273, 19564), (305, 19651), (319, 19684), (333, 19720), (343, 19750), (345, 19756), (370, 19825), (399, 19855), (403, 19867), (404, 19870), (426, 19927), (483, 20059), (484, 20065), (505, 20131), (507, 20137), (513, 20161), (529, 20209), (540, 20233), (543, 20242), (562, 20317), (580, 20368), (585, 20383), (648, 20545), (654, 20572), (663, 20602), (689, 20707), (716, 20785), (723, 20821), (725, 20830), (732, 20863), (738, 20878),

Gene: DumpsterDude_19 Start: 16204, Stop: 17910, Start Num: 130
Candidate Starts for DumpsterDude_19:
(105, 16180), (Start: 130 @16204 has 17 MA's), (Start: 138 @16216 has 2 MA's), (163, 16264), (215, 16393), (217, 16399), (237, 16465), (288, 16579), (307, 16645), (309, 16651), (405, 16831), (406, 16837), (436, 16918), (479, 17032), (516, 17146), (529, 17179), (543, 17209), (544, 17212), (557, 17275), (559, 17278), (567, 17311), (627, 17479), (629, 17485), (654, 17584), (696, 17728), (745, 17902),

Gene: Duplicity_18 Start: 14989, Stop: 16698, Start Num: 119
Candidate Starts for Duplicity_18:
(Start: 119 @14989 has 132 MA's), (139, 15016), (Start: 193 @15121 has 2 MA's), (197, 15133), (208, 15169), (225, 15220), (234, 15250), (236, 15256), (247, 15283), (252, 15289), (299, 15409), (318, 15463), (321, 15469), (329, 15487), (333, 15499), (334, 15502), (341, 15523), (356, 15565), (367, 15598), (397, 15649), (402, 15664), (417, 15706), (424, 15721), (426, 15727), (440, 15775), (447, 15799), (460, 15829), (481, 15853), (500, 15913), (504, 15925), (522, 15979), (527, 15988), (548, 16048), (549, 16051), (578, 16156), (580, 16165), (592, 16204), (647, 16342), (685, 16492), (686, 16495), (688, 16504), (698, 16525), (703, 16552), (716, 16588), (738, 16681),

Gene: Durfee_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Durfee_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: Dusk_23 Start: 19405, Stop: 21084, Start Num: 119
Candidate Starts for Dusk_23:
(Start: 119 @19405 has 132 MA's), (Start: 169 @19489 has 49 MA's), (Start: 203 @19567 has 1 MA's), (231, 19654), (236, 19669), (259, 19717), (273, 19756), (305, 19843), (319, 19876), (333, 19912), (343, 19942), (345, 19948), (370, 20017), (399, 20047), (403, 20059), (404, 20062), (426, 20119), (483, 20251), (484, 20257), (505, 20323), (507, 20329), (513, 20353), (529, 20401), (540, 20425), (543, 20434), (562, 20509), (580, 20560), (585, 20575), (648, 20737), (654, 20764), (663, 20794), (689, 20899), (716, 20977), (723, 21013), (725, 21022), (732, 21055), (738, 21070),

Gene: Dusty_47 Start: 29340, Stop: 31031, Start Num: 104
Candidate Starts for Dusty_47:
(Start: 104 @29340 has 17 MA's), (146, 29400), (165, 29433), (177, 29463), (179, 29466), (236, 29625), (239, 29634), (300, 29763), (317, 29811), (426, 30024), (427, 30030), (435, 30054), (490, 30183), (497, 30204), (507, 30237), (562, 30435), (629, 30588), (654, 30687), (657, 30699), (660, 30708), (681, 30792), (724, 30939), (731, 30975),

Gene: Dylan_56 Start: 33569, Stop: 35305, Start Num: 94
Candidate Starts for Dylan_56:
(Start: 89 @33560 has 2 MA's), (Start: 94 @33569 has 30 MA's), (Start: 156 @33659 has 1 MA's), (207, 33776), (219, 33812), (226, 33833), (234, 33860), (236, 33866), (249, 33896), (261, 33920), (283, 33971), (333, 34109), (335, 34115), (352, 34166), (354, 34169), (359, 34187), (397, 34238), (404, 34259), (405, 34262), (417, 34295), (424, 34310), (426, 34316), (440, 34364), (443, 34370), (445, 34376), (471, 34436), (481, 34460), (483, 34463), (497, 34508), (501, 34523), (504, 34532), (507, 34541), (522, 34586), (529, 34604), (543, 34637), (581, 34775), (587, 34796), (625, 34862), (632, 34892), (646, 34946), (656, 34988), (663, 35009), (667, 35030), (671, 35042), (676, 35063), (690, 35117), (716, 35195), (723, 35231), (727, 35252), (733, 35279),

Gene: Dynamo_19 Start: 16394, Stop: 18130, Start Num: 107
Candidate Starts for Dynamo_19:
(Start: 90 @16370 has 2 MA's), (Start: 107 @16394 has 54 MA's), (148, 16454), (159, 16475), (161, 16478), (211, 16598), (225, 16637), (235, 16670), (244, 16694), (294, 16814), (305, 16853), (307, 16859), (339, 16943), (341, 16949), (345, 16961), (354, 16985), (362, 17012), (370, 17030), (396, 17069), (397, 17075), (405, 17099), (426, 17153), (429, 17165), (432, 17174), (450, 17234), (487, 17312), (500, 17351), (511, 17384), (529, 17450), (537, 17465), (540, 17474), (547, 17498), (555, 17528), (559, 17540), (590, 17642), (593, 17654), (594, 17657), (596, 17663), (616, 17672), (646, 17780), (667, 17864), (693, 17963), (725, 18071), (738, 18119),

Gene: ECartman_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for ECartman_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: EGUnicorn_18 Start: 14989, Stop: 16698, Start Num: 119
Candidate Starts for EGUnicorn_18:
(Start: 119 @14989 has 132 MA's), (139, 15016), (Start: 193 @15121 has 2 MA's), (197, 15133), (208, 15169), (225, 15220), (234, 15250), (236, 15256), (247, 15283), (252, 15289), (299, 15409), (318, 15463), (321, 15469), (329, 15487), (333, 15499), (334, 15502), (341, 15523), (356, 15565), (367, 15598), (397, 15649), (402, 15664), (417, 15706), (424, 15721), (426, 15727), (440, 15775), (447, 15799), (460, 15829), (481, 15853), (500, 15913), (504, 15925), (522, 15979), (527, 15988), (548, 16048), (549, 16051), (578, 16156), (580, 16165), (592, 16204), (647, 16342), (685, 16492), (686, 16495), (688, 16504), (698, 16525), (703, 16552), (716, 16588), (738, 16681),

Gene: EMoore_31 Start: 29511, Stop: 31136, Start Num: 123
Candidate Starts for EMoore_31:
(Start: 81 @29454 has 1 MA's), (Start: 123 @29511 has 61 MA's), (132, 29523), (151, 29556), (177, 29607), (221, 29724), (225, 29736), (262, 29811), (288, 29862), (290, 29871), (299, 29901), (339, 30009), (405, 30108), (416, 30138), (420, 30147), (431, 30180), (432, 30183), (450, 30243), (481, 30291), (504, 30363), (513, 30396), (514, 30399), (532, 30438), (546, 30477), (566, 30564), (567, 30567), (578, 30594), (602, 30645), (628, 30705), (640, 30750), (659, 30831), (668, 30867), (671, 30876), (673, 30885), (701, 30981), (725, 31077), (732, 31110), (738, 31125),

Gene: EMsquaredA_20 Start: 17566, Stop: 19272, Start Num: 110
Candidate Starts for EMsquaredA_20:

(Start: 91 @17542 has 1 MA's), (Start: 110 @17566 has 31 MA's), (175, 17671), (195, 17713), (219, 17788), (264, 17902), (315, 18049), (319, 18055), (336, 18100), (416, 18238), (442, 18313), (550, 18595), (554, 18616), (575, 18691), (612, 18778), (623, 18814), (630, 18847), (632, 18853), (649, 18919), (657, 18949), (698, 19105), (700, 19111), (702, 19129), (730, 19240),

Gene: Easley_20 Start: 17332, Stop: 18912, Start Num: 121
Candidate Starts for Easley_20:
(53, 17215), (Start: 121 @17332 has 70 MA's), (247, 17590), (260, 17611), (280, 17665), (295, 17704), (314, 17761), (324, 17782), (425, 17953), (430, 17971), (438, 17995), (445, 18016), (474, 18058), (504, 18139), (550, 18229), (577, 18331), (578, 18334), (593, 18388), (631, 18478), (701, 18757), (702, 18766), (711, 18796),

Gene: Easy2Say_26 Start: 21080, Stop: 22675, Start Num: 169
Candidate Starts for Easy2Say_26:
(Start: 119 @20996 has 132 MA's), (Start: 169 @21080 has 49 MA's), (Start: 203 @21158 has 1 MA's), (231, 21245), (236, 21260), (259, 21308), (273, 21347), (305, 21434), (319, 21467), (333, 21503), (343, 21533), (345, 21539), (370, 21608), (399, 21638), (403, 21650), (404, 21653), (426, 21710), (483, 21842), (484, 21848), (505, 21914), (507, 21920), (513, 21944), (529, 21992), (540, 22016), (543, 22025), (562, 22100), (580, 22151), (585, 22166), (648, 22328), (654, 22355), (663, 22385), (689, 22490), (716, 22568), (723, 22604), (725, 22613), (732, 22646), (738, 22661),

Gene: Ebert_17 Start: 14758, Stop: 16467, Start Num: 123
Candidate Starts for Ebert_17:
(Start: 123 @14758 has 61 MA's), (186, 14875), (236, 15025), (259, 15064), (264, 15079), (292, 15148), (295, 15160), (324, 15238), (326, 15241), (376, 15373), (395, 15427), (424, 15508), (443, 15568), (445, 15574), (446, 15580), (492, 15661), (504, 15697), (531, 15733), (539, 15751), (551, 15790), (567, 15862), (577, 15886), (654, 16120), (658, 16135), (669, 16177), (691, 16270), (692, 16273), (702, 16321), (711, 16351),

Gene: Ecliptus_24 Start: 18429, Stop: 20138, Start Num: 110
Candidate Starts for Ecliptus_24:
(Start: 110 @18429 has 31 MA's), (Start: 122 @18441 has 1 MA's), (124, 18444), (177, 18546), (195, 18582), (216, 18648), (269, 18792), (272, 18801), (282, 18819), (298, 18861), (300, 18867), (307, 18891), (315, 18915), (336, 18966), (338, 18972), (348, 19002), (396, 19044), (402, 19065), (404, 19071), (412, 19095), (431, 19146), (432, 19149), (442, 19179), (500, 19329), (512, 19365), (555, 19491), (575, 19557), (578, 19566), (584, 19587), (623, 19680), (628, 19701), (630, 19713), (632, 19719), (635, 19728), (636, 19731), (649, 19785), (657, 19815), (675, 19884), (698, 19971), (700, 19977), (713, 20028), (732, 20115), (741, 20133),

Gene: EdmundFerry_31 Start: 27556, Stop: 29175, Start Num: 126
Candidate Starts for EdmundFerry_31:
(Start: 126 @27556 has 11 MA's), (140, 27577), (175, 27640), (221, 27763), (225, 27775), (254, 27832), (290, 27910), (334, 28033), (405, 28147), (416, 28177), (431, 28219), (450, 28282), (481, 28330), (484, 28339), (500, 28390), (514, 28438), (566, 28603), (578, 28633), (627, 28741), (628, 28744), (640, 28789), (652, 28846), (654, 28852), (655, 28858), (668, 28906), (671, 28915), (672, 28921), (673, 28924), (688, 28975), (701, 29020), (719, 29089), (729, 29137), (732, 29149),

Gene: EdnaMode_17 Start: 14694, Stop: 16403, Start Num: 123
Candidate Starts for EdnaMode_17:
(Start: 123 @14694 has 61 MA's), (186, 14811), (210, 14883), (236, 14961), (292, 15084), (298, 15105), (324, 15174), (326, 15177), (344, 15234), (376, 15309), (395, 15363), (424, 15444), (443, 15504), (531, 15669), (539, 15687), (544, 15702), (551, 15726), (567, 15798), (568, 15801), (577, 15822), (654, 16056), (658, 16071), (669, 16113), (691, 16206), (692, 16209), (702, 16257), (711,

16287), (725, 16344),

Gene: Efra2_23 Start: 16364, Stop: 18130, Start Num: 82
Candidate Starts for Efra2_23:
(Start: 82 @16364 has 156 MA's), (Start: 87 @16370 has 18 MA's), (Start: 103 @16394 has 1 MA's), (Start: 193 @16553 has 2 MA's), (204, 16586), (215, 16616), (225, 16649), (229, 16661), (268, 16751), (288, 16793), (309, 16865), (313, 16874), (330, 16913), (345, 16958), (355, 16979), (356, 16982), (404, 17054), (420, 17096), (423, 17102), (431, 17129), (481, 17267), (486, 17285), (500, 17327), (506, 17345), (516, 17375), (561, 17507), (588, 17597), (628, 17702), (636, 17732), (657, 17816), (671, 17867), (701, 17966), (725, 18062), (733, 18101), (734, 18104), (745, 18122),

Gene: Ein37_22 Start: 17406, Stop: 19148, Start Num: 80
Candidate Starts for Ein37_22:
(Start: 80 @17406 has 43 MA's), (Start: 87 @17415 has 18 MA's), (120, 17457), (152, 17508), (163, 17532), (170, 17544), (177, 17565), (185, 17580), (Start: 193 @17598 has 2 MA's), (204, 17631), (212, 17658), (236, 17730), (272, 17820), (304, 17904), (307, 17913), (315, 17934), (341, 18000), (354, 18027), (379, 18060), (398, 18078), (405, 18099), (409, 18114), (410, 18117), (435, 18183), (436, 18186), (453, 18252), (464, 18264), (472, 18273), (473, 18276), (501, 18363), (518, 18417), (541, 18462), (543, 18468), (560, 18540), (567, 18570), (578, 18597), (588, 18633), (591, 18642), (627, 18720), (665, 18864), (669, 18882), (672, 18894), (676, 18909), (677, 18912), (682, 18933), (688, 18945), (702, 18993), (713, 19026), (729, 19101), (733, 19119), (745, 19140),

Gene: Eish_16 Start: 14946, Stop: 16655, Start Num: 114
Candidate Starts for Eish_16:
(Start: 114 @14946 has 231 MA's), (171, 15033), (Start: 193 @15078 has 2 MA's), (202, 15102), (234, 15207), (236, 15213), (242, 15231), (259, 15261), (299, 15366), (321, 15426), (325, 15435), (333, 15456), (341, 15480), (356, 15522), (367, 15555), (371, 15567), (397, 15606), (402, 15621), (404, 15627), (417, 15663), (424, 15678), (426, 15684), (435, 15714), (440, 15732), (445, 15744), (446, 15750), (481, 15810), (497, 15858), (500, 15870), (527, 15945), (529, 15954), (540, 15978), (549, 16008), (578, 16113), (581, 16125), (592, 16161), (631, 16239), (656, 16338), (663, 16359), (671, 16392), (679, 16422), (686, 16452), (688, 16461), (690, 16467), (698, 16482), (699, 16485), (702, 16506), (703, 16509), (718, 16551), (723, 16581), (732, 16623), (733, 16629),

Gene: Ejimix_37 Start: 28088, Stop: 30086, Start Num: 113
Candidate Starts for Ejimix_37:
(Start: 113 @28088 has 31 MA's), (Start: 169 @28178 has 49 MA's), (189, 28226), (202, 28256), (Start: 209 @28283 has 11 MA's), (244, 28385), (260, 28415), (278, 28466), (296, 28514), (307, 28550), (308, 28556), (319, 28577), (345, 28649), (348, 28658), (356, 28679), (404, 28787), (405, 28790), (409, 28805), (426, 28844), (440, 28892), (445, 28904), (446, 28910), (470, 28958), (472, 28967), (483, 28988), (487, 29006), (503, 29054), (538, 29156), (559, 29228), (569, 29273), (570, 29285), (571, 29420), (572, 29426), (573, 29450), (574, 29522), (576, 29549), (664, 29798),

Gene: Ekdilam_20 Start: 17331, Stop: 19106, Start Num: 77
Candidate Starts for Ekdilam_20:
(Start: 64 @17301 has 1 MA's), (Start: 77 @17331 has 26 MA's), (Start: 82 @17340 has 156 MA's), (Start: 103 @17370 has 1 MA's), (177, 17496), (185, 17511), (Start: 193 @17529 has 2 MA's), (204, 17562), (225, 17625), (229, 17637), (236, 17655), (268, 17727), (288, 17769), (313, 17850), (355, 17955), (356, 17958), (382, 17994), (404, 18030), (420, 18072), (423, 18078), (431, 18105), (486, 18261), (516, 18351), (529, 18378), (547, 18423), (561, 18483), (584, 18558), (591, 18582), (617, 18642), (628, 18678), (636, 18708), (657, 18792), (702, 18951), (733, 19077), (734, 19080), (745, 19098),

Gene: EleanorGeorge_16 Start: 14974, Stop: 16683, Start Num: 114

Candidate Starts for EleanorGeorge_16:
(Start: 114 @14974 has 231 MA's), (171, 15061), (Start: 193 @15106 has 2 MA's), (202, 15130), (234, 15235), (236, 15241), (242, 15259), (259, 15289), (299, 15394), (321, 15454), (330, 15475), (333, 15484), (339, 15502), (341, 15508), (397, 15634), (402, 15649), (404, 15655), (417, 15691), (418, 15694), (424, 15706), (426, 15712), (440, 15760), (445, 15772), (446, 15778), (481, 15838), (485, 15850), (497, 15886), (500, 15898), (527, 15973), (529, 15982), (538, 16000), (540, 16006), (549, 16036), (578, 16141), (580, 16150), (581, 16153), (592, 16189), (631, 16267), (656, 16366), (663, 16387), (671, 16420), (679, 16450), (686, 16480), (688, 16489), (690, 16495), (698, 16510), (699, 16513), (703, 16537), (714, 16567), (718, 16579), (723, 16609), (732, 16651),

Gene: Elite2014_23 Start: 18953, Stop: 20632, Start Num: 119
Candidate Starts for Elite2014_23:
(Start: 119 @18953 has 132 MA's), (Start: 169 @19037 has 49 MA's), (Start: 203 @19115 has 1 MA's), (231, 19202), (236, 19217), (259, 19265), (273, 19304), (305, 19391), (319, 19424), (333, 19460), (343, 19490), (345, 19496), (370, 19565), (399, 19595), (403, 19607), (404, 19610), (426, 19667), (483, 19799), (484, 19805), (505, 19871), (507, 19877), (513, 19901), (529, 19949), (540, 19973), (543, 19982), (562, 20057), (580, 20108), (585, 20123), (648, 20285), (654, 20312), (663, 20342), (689, 20447), (716, 20525), (723, 20561), (725, 20570), (732, 20603), (738, 20618),

Gene: Ellie_20 Start: 17336, Stop: 19090, Start Num: 82
Candidate Starts for Ellie_20:
(Start: 64 @17297 has 1 MA's), (Start: 77 @17327 has 26 MA's), (Start: 80 @17333 has 43 MA's), (Start: 82 @17336 has 156 MA's), (Start: 97 @17348 has 61 MA's), (Start: 103 @17354 has 1 MA's), (177, 17480), (185, 17495), (204, 17546), (215, 17576), (225, 17609), (268, 17711), (284, 17747), (288, 17753), (313, 17834), (382, 17978), (384, 17981), (398, 17996), (402, 18008), (404, 18014), (409, 18032), (420, 18056), (423, 18062), (431, 18089), (486, 18245), (529, 18362), (544, 18395), (547, 18407), (551, 18419), (561, 18467), (627, 18659), (636, 18692), (639, 18701), (654, 18764), (657, 18776), (671, 18827), (672, 18833), (701, 18926), (716, 18977), (725, 19022), (733, 19061), (734, 19064), (745, 19082),

Gene: Elph10_25 Start: 19216, Stop: 20895, Start Num: 119
Candidate Starts for Elph10_25:
(Start: 119 @19216 has 132 MA's), (Start: 169 @19300 has 49 MA's), (Start: 203 @19378 has 1 MA's), (231, 19465), (236, 19480), (259, 19528), (273, 19567), (305, 19654), (319, 19687), (333, 19723), (343, 19753), (345, 19759), (370, 19828), (399, 19858), (403, 19870), (404, 19873), (426, 19930), (483, 20062), (484, 20068), (505, 20134), (507, 20140), (513, 20164), (529, 20212), (540, 20236), (543, 20245), (562, 20320), (580, 20371), (585, 20386), (648, 20548), (654, 20575), (663, 20605), (689, 20710), (716, 20788), (723, 20824), (725, 20833), (732, 20866), (738, 20881),

Gene: Emerson_23 Start: 17148, Stop: 18914, Start Num: 82
Candidate Starts for Emerson_23:
(Start: 82 @17148 has 156 MA's), (Start: 103 @17178 has 1 MA's), (Start: 193 @17337 has 2 MA's), (204, 17370), (215, 17400), (225, 17433), (229, 17445), (268, 17535), (288, 17577), (309, 17649), (313, 17658), (330, 17697), (345, 17742), (355, 17763), (356, 17766), (398, 17820), (404, 17838), (420, 17880), (423, 17886), (431, 17913), (481, 18051), (486, 18069), (500, 18111), (506, 18129), (516, 18159), (529, 18186), (561, 18291), (617, 18450), (628, 18486), (636, 18516), (639, 18525), (657, 18600), (671, 18651), (725, 18846), (733, 18885), (734, 18888), (745, 18906),

Gene: EmiMonkey_16 Start: 14759, Stop: 16468, Start Num: 114
Candidate Starts for EmiMonkey_16:
(Start: 114 @14759 has 231 MA's), (171, 14846), (Start: 193 @14891 has 2 MA's), (202, 14915), (234, 15020), (236, 15026), (242, 15044), (259, 15074), (299, 15179), (321, 15239), (329, 15257), (330, 15260), (333, 15269), (341, 15293), (397, 15419), (402, 15434), (404, 15440), (417, 15476), (418,

15479), (424, 15491), (426, 15497), (440, 15545), (445, 15557), (446, 15563), (481, 15623), (485, 15635), (497, 15671), (500, 15683), (527, 15758), (529, 15767), (538, 15785), (540, 15791), (549, 15821), (578, 15926), (581, 15938), (592, 15974), (631, 16052), (663, 16172), (671, 16205), (679, 16235), (681, 16247), (686, 16265), (687, 16271), (688, 16274), (690, 16280), (698, 16295), (699, 16298), (702, 16319), (703, 16322), (718, 16364), (723, 16394), (732, 16436), (733, 16442),

Gene: Emianna_41 Start: 30825, Stop: 32438, Start Num: 109
Candidate Starts for Emianna_41:
(Start: 109 @30825 has 43 MA's), (Start: 141 @30861 has 1 MA's), (152, 30879), (185, 30939), (280, 31179), (287, 31191), (292, 31206), (316, 31272), (324, 31287), (332, 31311), (333, 31314), (365, 31398), (385, 31428), (387, 31431), (417, 31488), (434, 31536), (435, 31539), (442, 31560), (488, 31665), (504, 31710), (531, 31752), (583, 31926), (592, 31956), (593, 31962), (642, 32070), (643, 32073), (663, 32148), (723, 32367), (738, 32424),

Gene: Emma_16 Start: 14857, Stop: 16566, Start Num: 114
Candidate Starts for Emma_16:
(Start: 114 @14857 has 231 MA's), (171, 14944), (Start: 193 @14989 has 2 MA's), (202, 15013), (234, 15118), (236, 15124), (242, 15142), (259, 15172), (299, 15277), (321, 15337), (330, 15358), (333, 15367), (341, 15391), (397, 15517), (402, 15532), (404, 15538), (417, 15574), (418, 15577), (424, 15589), (426, 15595), (440, 15643), (445, 15655), (446, 15661), (481, 15721), (485, 15733), (497, 15769), (500, 15781), (527, 15856), (529, 15865), (538, 15883), (540, 15889), (549, 15919), (578, 16024), (580, 16033), (581, 16036), (592, 16072), (631, 16150), (656, 16249), (663, 16270), (671, 16303), (679, 16333), (686, 16363), (688, 16372), (690, 16378), (698, 16393), (699, 16396), (703, 16420), (714, 16450), (718, 16462), (723, 16492), (732, 16534),

Gene: Emmaloid_17 Start: 14596, Stop: 16305, Start Num: 114
Candidate Starts for Emmaloid_17:
(Start: 114 @14596 has 231 MA's), (171, 14683), (Start: 193 @14728 has 2 MA's), (202, 14752), (234, 14857), (236, 14863), (242, 14881), (259, 14911), (299, 15016), (321, 15076), (329, 15094), (330, 15097), (333, 15106), (341, 15130), (397, 15256), (402, 15271), (404, 15277), (417, 15313), (418, 15316), (424, 15328), (426, 15334), (440, 15382), (445, 15394), (446, 15400), (481, 15460), (485, 15472), (497, 15508), (500, 15520), (527, 15595), (529, 15604), (538, 15622), (540, 15628), (549, 15658), (578, 15763), (581, 15775), (592, 15811), (631, 15889), (663, 16009), (671, 16042), (679, 16072), (681, 16084), (686, 16102), (687, 16108), (688, 16111), (690, 16117), (698, 16132), (699, 16135), (702, 16156), (703, 16159), (718, 16201), (723, 16231), (732, 16273), (733, 16279),

Gene: Emmina_25 Start: 19661, Stop: 21256, Start Num: 169
Candidate Starts for Emmina_25:
(Start: 119 @19577 has 132 MA's), (Start: 169 @19661 has 49 MA's), (Start: 203 @19739 has 1 MA's), (231, 19826), (236, 19841), (259, 19889), (273, 19928), (305, 20015), (319, 20048), (333, 20084), (343, 20114), (345, 20120), (370, 20189), (399, 20219), (403, 20231), (404, 20234), (426, 20291), (483, 20423), (484, 20429), (505, 20495), (507, 20501), (513, 20525), (529, 20573), (540, 20597), (543, 20606), (562, 20681), (580, 20732), (585, 20747), (648, 20909), (654, 20936), (663, 20966), (689, 21071), (716, 21149), (723, 21185), (725, 21194), (732, 21227), (738, 21242),

Gene: Empress_17 Start: 16157, Stop: 17866, Start Num: 114
Candidate Starts for Empress_17:
(Start: 114 @16157 has 231 MA's), (171, 16244), (Start: 193 @16289 has 2 MA's), (202, 16313), (234, 16418), (236, 16424), (242, 16442), (259, 16472), (299, 16577), (321, 16637), (330, 16658), (333, 16667), (341, 16691), (397, 16817), (402, 16832), (404, 16838), (417, 16874), (418, 16877), (424, 16889), (426, 16895), (440, 16943), (445, 16955), (446, 16961), (481, 17021), (485, 17033), (497, 17069), (500, 17081), (527, 17156), (529, 17165), (538, 17183), (540, 17189), (549, 17219), (578, 17324), (580, 17333), (581, 17336), (592, 17372), (631, 17450), (656, 17549), (663, 17570), (671,

17603), (679, 17633), (686, 17663), (688, 17672), (690, 17678), (698, 17693), (699, 17696), (702, 17717), (703, 17720), (718, 17762), (723, 17792), (732, 17834),

Gene: EnalisNailo_20 Start: 17715, Stop: 19421, Start Num: 110
Candidate Starts for EnalisNailo_20:
(Start: 91 @17691 has 1 MA's), (Start: 110 @17715 has 31 MA's), (145, 17763), (175, 17820), (195, 17862), (264, 18051), (315, 18198), (319, 18204), (336, 18249), (416, 18387), (442, 18462), (550, 18744), (554, 18765), (575, 18840), (612, 18927), (623, 18963), (630, 18996), (632, 19002), (649, 19068), (657, 19098), (698, 19254), (700, 19260), (702, 19278), (730, 19389),

Gene: Enby_17 Start: 14628, Stop: 16337, Start Num: 114
Candidate Starts for Enby_17:
(Start: 114 @14628 has 231 MA's), (171, 14715), (Start: 193 @14760 has 2 MA's), (202, 14784), (219, 14841), (234, 14889), (236, 14895), (242, 14913), (259, 14943), (299, 15048), (318, 15102), (321, 15108), (325, 15117), (330, 15129), (333, 15138), (341, 15162), (354, 15198), (356, 15204), (359, 15216), (367, 15237), (369, 15240), (371, 15249), (378, 15264), (381, 15270), (397, 15288), (402, 15303), (404, 15309), (409, 15327), (410, 15330), (417, 15345), (424, 15360), (426, 15366), (435, 15396), (440, 15414), (445, 15426), (446, 15432), (481, 15492), (485, 15504), (497, 15540), (500, 15552), (507, 15573), (527, 15627), (529, 15636), (540, 15660), (549, 15690), (578, 15795), (581, 15807), (592, 15843), (622, 15882), (631, 15921), (656, 16020), (663, 16041), (671, 16074), (679, 16104), (686, 16134), (688, 16143), (690, 16149), (698, 16164), (699, 16167), (702, 16188), (703, 16191), (718, 16233), (723, 16263), (732, 16305), (733, 16311),

Gene: Engineer_49 Start: 29557, Stop: 31248, Start Num: 104
Candidate Starts for Engineer_49:
(Start: 104 @29557 has 17 MA's), (146, 29617), (165, 29650), (177, 29680), (179, 29683), (236, 29842), (239, 29851), (300, 29980), (317, 30028), (426, 30241), (427, 30247), (435, 30271), (490, 30400), (497, 30421), (507, 30454), (562, 30652), (629, 30805), (654, 30904), (657, 30916), (660, 30925), (681, 31009), (724, 31156), (731, 31192),

Gene: Enkosi_19 Start: 16697, Stop: 18463, Start Num: 82
Candidate Starts for Enkosi_19:
(Start: 82 @16697 has 156 MA's), (Start: 87 @16703 has 18 MA's), (Start: 103 @16727 has 1 MA's), (177, 16853), (185, 16868), (Start: 193 @16886 has 2 MA's), (215, 16949), (268, 17084), (269, 17090), (309, 17198), (313, 17207), (355, 17312), (402, 17381), (404, 17387), (417, 17423), (423, 17435), (443, 17498), (481, 17600), (486, 17618), (500, 17660), (501, 17663), (544, 17768), (561, 17840), (593, 17948), (595, 17954), (617, 17999), (632, 18053), (639, 18074), (657, 18149), (671, 18200), (701, 18299), (704, 18314), (716, 18350), (725, 18395), (733, 18434), (734, 18437), (745, 18455),

Gene: Ennea_47 Start: 31470, Stop: 33092, Start Num: 109
Candidate Starts for Ennea_47:
(Start: 109 @31470 has 43 MA's), (185, 31587), (280, 31827), (287, 31839), (292, 31854), (316, 31920), (324, 31935), (365, 32046), (385, 32076), (387, 32079), (417, 32136), (442, 32208), (488, 32313), (531, 32400), (549, 32448), (583, 32574), (584, 32577), (593, 32610), (629, 32667), (663, 32796), (672, 32835), (703, 32940), (721, 33003), (723, 33015), (726, 33027), (727, 33036), (738, 33072),

Gene: Eponine_24 Start: 18523, Stop: 20310, Start Num: 82
Candidate Starts for Eponine_24:
(Start: 64 @18484 has 1 MA's), (Start: 77 @18514 has 26 MA's), (Start: 80 @18520 has 43 MA's), (Start: 82 @18523 has 156 MA's), (Start: 100 @18538 has 3 MA's), (135, 18580), (160, 18628), (177, 18667), (185, 18682), (Start: 193 @18700 has 2 MA's), (204, 18733), (215, 18763), (229, 18808), (236, 18826), (268, 18898), (269, 18904), (284, 18934), (286, 18937), (305, 19000), (309, 19012), (369,

19147), (382, 19165), (402, 19195), (404, 19201), (409, 19219), (423, 19249), (435, 19288), (481, 19414), (501, 19477), (561, 19678), (578, 19732), (591, 19777), (609, 19822), (617, 19846), (627, 19879), (636, 19912), (654, 19984), (657, 19996), (671, 20047), (672, 20053), (702, 20155), (733, 20281), (745, 20302),

Gene: Eradicator_16 Start: 14770, Stop: 16479, Start Num: 114
Candidate Starts for Eradicator_16:
(Start: 114 @14770 has 231 MA's), (171, 14857), (Start: 193 @14902 has 2 MA's), (202, 14926), (219, 14983), (234, 15031), (236, 15037), (242, 15055), (259, 15085), (299, 15190), (318, 15244), (321, 15250), (325, 15259), (333, 15280), (341, 15304), (354, 15340), (356, 15346), (367, 15379), (369, 15382), (371, 15391), (378, 15406), (381, 15412), (397, 15430), (402, 15445), (404, 15451), (409, 15469), (410, 15472), (417, 15487), (424, 15502), (426, 15508), (440, 15556), (445, 15568), (446, 15574), (481, 15634), (485, 15646), (497, 15682), (500, 15694), (527, 15769), (529, 15778), (538, 15796), (540, 15802), (549, 15832), (578, 15937), (581, 15949), (592, 15985), (631, 16063), (663, 16183), (671, 16216), (679, 16246), (681, 16258), (686, 16276), (687, 16282), (688, 16285), (690, 16291), (698, 16306), (699, 16309), (702, 16330), (703, 16333), (718, 16375), (723, 16405), (732, 16447), (733, 16453),

Gene: Estave1_16 Start: 14924, Stop: 16633, Start Num: 114
Candidate Starts for Estave1_16:
(Start: 114 @14924 has 231 MA's), (171, 15011), (Start: 193 @15056 has 2 MA's), (202, 15080), (219, 15137), (234, 15185), (236, 15191), (242, 15209), (247, 15218), (259, 15239), (299, 15344), (318, 15398), (321, 15404), (325, 15413), (333, 15434), (341, 15458), (354, 15494), (356, 15500), (359, 15512), (367, 15533), (381, 15566), (397, 15584), (402, 15599), (404, 15605), (410, 15626), (417, 15641), (424, 15656), (426, 15662), (428, 15671), (440, 15710), (445, 15722), (446, 15728), (481, 15788), (497, 15836), (500, 15848), (507, 15869), (527, 15923), (529, 15932), (540, 15956), (578, 16091), (581, 16103), (592, 16139), (631, 16217), (656, 16316), (663, 16337), (671, 16370), (679, 16400), (686, 16430), (688, 16439), (690, 16445), (698, 16460), (699, 16463), (702, 16484), (703, 16487), (718, 16529), (732, 16601),

Gene: Etoile_19 Start: 16385, Stop: 18121, Start Num: 107
Candidate Starts for Etoile_19:
(Start: 90 @16361 has 2 MA's), (Start: 107 @16385 has 54 MA's), (148, 16445), (159, 16466), (161, 16469), (211, 16589), (225, 16628), (235, 16661), (244, 16685), (294, 16805), (305, 16844), (307, 16850), (339, 16934), (341, 16940), (345, 16952), (354, 16976), (362, 17003), (370, 17021), (396, 17060), (397, 17066), (405, 17090), (426, 17144), (429, 17156), (432, 17165), (450, 17225), (487, 17303), (500, 17342), (511, 17375), (529, 17441), (537, 17456), (540, 17465), (547, 17489), (555, 17519), (559, 17531), (590, 17633), (593, 17645), (594, 17648), (596, 17654), (616, 17663), (646, 17771), (667, 17855), (693, 17954), (725, 18062), (738, 18110),

Gene: Eudoria_19 Start: 17773, Stop: 19371, Start Num: 121
Candidate Starts for Eudoria_19:
(Start: 121 @17773 has 70 MA's), (240, 18022), (247, 18031), (259, 18049), (260, 18052), (280, 18106), (306, 18181), (333, 18250), (336, 18259), (340, 18271), (357, 18322), (367, 18349), (376, 18358), (378, 18361), (424, 18391), (425, 18394), (443, 18451), (474, 18517), (503, 18595), (521, 18628), (539, 18652), (550, 18688), (577, 18790), (593, 18847), (619, 18892), (622, 18898), (631, 18937), (692, 19177), (711, 19255),

Gene: Eureka_24 Start: 19731, Stop: 21410, Start Num: 119
Candidate Starts for Eureka_24:
(Start: 119 @19731 has 132 MA's), (Start: 169 @19815 has 49 MA's), (Start: 203 @19893 has 1 MA's), (231, 19980), (236, 19995), (259, 20043), (273, 20082), (305, 20169), (319, 20202), (333, 20238), (343, 20268), (345, 20274), (370, 20343), (399, 20373), (403, 20385), (404, 20388), (426,

20445), (483, 20577), (484, 20583), (505, 20649), (507, 20655), (513, 20679), (529, 20727), (540, 20751), (543, 20760), (562, 20835), (580, 20886), (585, 20901), (648, 21063), (654, 21090), (663, 21120), (689, 21225), (716, 21303), (723, 21339), (725, 21348), (732, 21381), (738, 21396),

Gene: Evanesce_22 Start: 17406, Stop: 19148, Start Num: 80
Candidate Starts for Evanesce_22:
(Start: 80 @17406 has 43 MA's), (Start: 87 @17415 has 18 MA's), (120, 17457), (152, 17508), (163, 17532), (170, 17544), (177, 17565), (185, 17580), (Start: 193 @17598 has 2 MA's), (204, 17631), (212, 17658), (236, 17730), (272, 17820), (304, 17904), (307, 17913), (315, 17934), (341, 18000), (354, 18027), (379, 18060), (398, 18078), (405, 18099), (409, 18114), (410, 18117), (435, 18183), (436, 18186), (453, 18252), (464, 18264), (472, 18273), (473, 18276), (501, 18363), (518, 18417), (541, 18462), (543, 18468), (560, 18540), (567, 18570), (578, 18597), (588, 18633), (591, 18642), (627, 18720), (665, 18864), (669, 18882), (672, 18894), (676, 18909), (677, 18912), (682, 18933), (688, 18945), (702, 18993), (713, 19026), (729, 19101), (733, 19119), (745, 19140),

Gene: Eviarto_19 Start: 17764, Stop: 19362, Start Num: 121
Candidate Starts for Eviarto_19:
(Start: 121 @17764 has 70 MA's), (247, 18022), (259, 18040), (260, 18043), (280, 18097), (306, 18172), (333, 18241), (336, 18250), (340, 18262), (357, 18313), (367, 18340), (376, 18349), (378, 18352), (425, 18385), (443, 18442), (474, 18508), (521, 18619), (539, 18643), (550, 18679), (577, 18781), (593, 18838), (631, 18928), (692, 19168), (711, 19246),

Gene: Ewald_22 Start: 18458, Stop: 20104, Start Num: 121
Candidate Starts for Ewald_22:
(39, 18257), (49, 18317), (85, 18410), (Start: 109 @18446 has 43 MA's), (Start: 121 @18458 has 70 MA's), (Start: 131 @18470 has 1 MA's), (185, 18572), (187, 18578), (205, 18626), (214, 18656), (232, 18722), (234, 18728), (288, 18839), (291, 18848), (298, 18875), (301, 18884), (307, 18905), (402, 19076), (403, 19079), (427, 19145), (432, 19160), (447, 19211), (462, 19244), (473, 19253), (490, 19295), (497, 19316), (512, 19364), (514, 19376), (527, 19403), (551, 19472), (565, 19541), (578, 19574), (605, 19631), (611, 19646), (628, 19682), (646, 19751), (668, 19838), (672, 19853), (689, 19910), (692, 19919), (702, 19958), (715, 19997), (717, 20003),

Gene: Eyre_17 Start: 15369, Stop: 17078, Start Num: 123
Candidate Starts for Eyre_17:
(Start: 123 @15369 has 61 MA's), (186, 15486), (236, 15636), (280, 15732), (292, 15759), (326, 15852), (329, 15864), (395, 16038), (435, 16155), (443, 16179), (531, 16344), (551, 16401), (558, 16440), (577, 16497), (578, 16500), (617, 16593), (627, 16626), (691, 16881), (692, 16884), (702, 16932), (711, 16962), (725, 17019),

Gene: FF47_21 Start: 15896, Stop: 17782, Start Num: 44
Candidate Starts for FF47_21:
(44, 15896), (Start: 54 @15932 has 4 MA's), (78, 15983), (Start: 100 @16010 has 3 MA's), (144, 16070), (177, 16136), (198, 16187), (205, 16205), (323, 16511), (343, 16568), (369, 16616), (374, 16619), (397, 16682), (404, 16703), (427, 16766), (430, 16775), (435, 16790), (484, 16925), (497, 16964), (503, 16985), (514, 17024), (535, 17066), (542, 17081), (544, 17087), (640, 17396), (642, 17405), (644, 17411), (647, 17423), (654, 17453), (661, 17477), (696, 17597), (711, 17654), (731, 17741), (733, 17750),

Gene: Fairfaxidum_19 Start: 16818, Stop: 18467, Start Num: 150
Candidate Starts for Fairfaxidum_19:
(23, 16287), (24, 16317), (25, 16323), (29, 16455), (33, 16512), (34, 16521), (Start: 64 @16680 has 1 MA's), (Start: 130 @16782 has 17 MA's), (Start: 150 @16818 has 49 MA's), (199, 16923), (223, 17001), (243, 17061), (253, 17073), (254, 17076), (264, 17100), (329, 17274), (334, 17289), (386,

17373), (398, 17385), (401, 17394), (402, 17397), (408, 17418), (426, 17460), (435, 17490), (507, 17673), (513, 17697), (534, 17748), (562, 17841), (566, 17853), (581, 17895), (586, 17913), (629, 18048), (654, 18147), (659, 18165), (672, 18216), (690, 18276), (692, 18282), (714, 18357),

Gene: FairyPath_24 Start: 19943, Stop: 21622, Start Num: 119
Candidate Starts for FairyPath_24:
(Start: 119 @19943 has 132 MA's), (Start: 169 @20027 has 49 MA's), (Start: 203 @20105 has 1 MA's), (231, 20192), (236, 20207), (259, 20255), (273, 20294), (305, 20381), (319, 20414), (333, 20450), (343, 20480), (345, 20486), (370, 20555), (399, 20585), (403, 20597), (404, 20600), (426, 20657), (483, 20789), (484, 20795), (505, 20861), (507, 20867), (513, 20891), (529, 20939), (540, 20963), (543, 20972), (562, 21047), (580, 21098), (585, 21113), (648, 21275), (654, 21302), (663, 21332), (689, 21437), (716, 21515), (723, 21551), (725, 21560), (732, 21593), (738, 21608),

Gene: Faith5x5_17 Start: 14654, Stop: 16363, Start Num: 123
Candidate Starts for Faith5x5_17:
(51, 14519), (Start: 123 @14654 has 61 MA's), (147, 14696), (186, 14771), (210, 14843), (211, 14846), (224, 14882), (236, 14921), (264, 14975), (292, 15044), (295, 15056), (324, 15134), (326, 15137), (395, 15323), (424, 15404), (443, 15464), (445, 15470), (474, 15512), (504, 15593), (531, 15629), (539, 15647), (544, 15662), (551, 15686), (568, 15761), (577, 15782), (578, 15785), (654, 16016), (658, 16031), (691, 16166), (692, 16169), (702, 16217), (711, 16247), (721, 16283),

Gene: Faiyaz_24 Start: 19608, Stop: 21443, Start Num: 47
Candidate Starts for Faiyaz_24:
(Start: 47 @19608 has 6 MA's), (Start: 64 @19656 has 1 MA's), (68, 19665), (Start: 102 @19704 has 1 MA's), (135, 19734), (Start: 141 @19746 has 1 MA's), (160, 19782), (174, 19812), (177, 19821), (185, 19836), (204, 19887), (205, 19890), (239, 19989), (298, 20130), (315, 20181), (319, 20187), (334, 20226), (355, 20280), (404, 20349), (420, 20391), (432, 20427), (435, 20436), (457, 20514), (463, 20523), (470, 20553), (479, 20586), (481, 20589), (500, 20649), (508, 20673), (511, 20682), (541, 20751), (566, 20856), (567, 20859), (578, 20886), (642, 21069), (714, 21324), (733, 21414), (734, 21417), (736, 21420),

Gene: Familton_57 Start: 33481, Stop: 35217, Start Num: 94
Candidate Starts for Familton_57:
(Start: 89 @33472 has 2 MA's), (Start: 94 @33481 has 30 MA's), (Start: 156 @33571 has 1 MA's), (207, 33688), (219, 33724), (226, 33745), (234, 33772), (236, 33778), (249, 33808), (261, 33832), (283, 33883), (333, 34021), (335, 34027), (352, 34078), (354, 34081), (359, 34099), (397, 34150), (404, 34171), (405, 34174), (424, 34222), (426, 34228), (440, 34276), (443, 34282), (445, 34288), (471, 34348), (481, 34372), (483, 34375), (497, 34420), (501, 34435), (504, 34444), (507, 34453), (522, 34498), (529, 34516), (543, 34549), (581, 34687), (587, 34708), (625, 34774), (632, 34804), (646, 34858), (656, 34900), (663, 34921), (667, 34942), (671, 34954), (676, 34975), (690, 35029), (716, 35107), (723, 35143), (727, 35164), (733, 35191),

Gene: Fancypants_16 Start: 14817, Stop: 16526, Start Num: 114
Candidate Starts for Fancypants_16:
(Start: 114 @14817 has 231 MA's), (171, 14904), (181, 14925), (Start: 193 @14949 has 2 MA's), (202, 14973), (207, 14994), (234, 15078), (236, 15084), (242, 15102), (259, 15132), (299, 15237), (318, 15291), (321, 15297), (329, 15315), (330, 15318), (333, 15327), (341, 15351), (367, 15426), (371, 15438), (378, 15453), (381, 15459), (397, 15477), (402, 15492), (404, 15498), (410, 15519), (417, 15534), (424, 15549), (426, 15555), (440, 15603), (445, 15615), (446, 15621), (481, 15681), (485, 15693), (497, 15729), (500, 15741), (527, 15816), (529, 15825), (538, 15843), (540, 15849), (549, 15879), (578, 15984), (580, 15993), (581, 15996), (592, 16032), (631, 16110), (656, 16209), (663, 16230), (671, 16263), (679, 16293), (686, 16323), (688, 16332), (690, 16338), (698, 16353), (699, 16356), (703, 16380), (714, 16410), (718, 16422), (723, 16452), (732, 16494),

Gene: Fastidio_16 Start: 14771, Stop: 16480, Start Num: 114
Candidate Starts for Fastidio_16:
(Start: 114 @14771 has 231 MA's), (171, 14858), (Start: 193 @14903 has 2 MA's), (202, 14927), (234, 15032), (236, 15038), (242, 15056), (259, 15086), (299, 15191), (318, 15245), (321, 15251), (330, 15272), (333, 15281), (341, 15305), (356, 15347), (397, 15431), (402, 15446), (404, 15452), (417, 15488), (418, 15491), (424, 15503), (426, 15509), (440, 15557), (445, 15569), (446, 15575), (481, 15635), (485, 15647), (497, 15683), (500, 15695), (527, 15770), (529, 15779), (538, 15797), (540, 15803), (549, 15833), (578, 15938), (580, 15947), (581, 15950), (592, 15986), (631, 16064), (656, 16163), (663, 16184), (671, 16217), (679, 16247), (686, 16277), (688, 16286), (690, 16292), (698, 16307), (699, 16310), (703, 16334), (714, 16364), (718, 16376), (723, 16406), (732, 16448),

Gene: Fefferhead_22 Start: 17500, Stop: 19257, Start Num: 80
Candidate Starts for Fefferhead_22:
(Start: 64 @17464 has 1 MA's), (Start: 77 @17494 has 26 MA's), (Start: 80 @17500 has 43 MA's), (Start: 82 @17503 has 156 MA's), (Start: 97 @17515 has 61 MA's), (Start: 103 @17521 has 1 MA's), (177, 17647), (185, 17662), (204, 17713), (215, 17743), (225, 17776), (268, 17878), (288, 17920), (309, 17992), (313, 18001), (382, 18145), (384, 18148), (398, 18163), (402, 18175), (404, 18181), (409, 18199), (420, 18223), (423, 18229), (431, 18256), (486, 18412), (529, 18529), (544, 18562), (547, 18574), (551, 18586), (561, 18634), (627, 18826), (636, 18859), (654, 18931), (657, 18943), (671, 18994), (672, 19000), (701, 19093), (716, 19144), (725, 19189), (733, 19228), (734, 19231), (745, 19249),

Gene: Fenry_18 Start: 16369, Stop: 18015, Start Num: 150
Candidate Starts for Fenry_18:
(Start: 130 @16333 has 17 MA's), (Start: 150 @16369 has 49 MA's), (199, 16471), (224, 16552), (264, 16648), (278, 16687), (295, 16732), (300, 16747), (306, 16768), (329, 16822), (334, 16837), (426, 17008), (435, 17038), (478, 17137), (507, 17221), (513, 17245), (534, 17296), (562, 17389), (566, 17401), (582, 17446), (586, 17461), (628, 17593), (629, 17596), (654, 17695), (659, 17713), (672, 17764), (690, 17824), (692, 17830), (709, 17893), (714, 17905),

Gene: Feyre_21 Start: 17413, Stop: 19185, Start Num: 87
Candidate Starts for Feyre_21:
(Start: 87 @17413 has 18 MA's), (Start: 89 @17419 has 2 MA's), (106, 17443), (135, 17476), (160, 17524), (185, 17578), (204, 17629), (225, 17692), (269, 17800), (309, 17908), (355, 18022), (356, 18025), (384, 18064), (398, 18079), (402, 18091), (404, 18097), (420, 18139), (423, 18145), (435, 18184), (443, 18208), (481, 18310), (501, 18373), (514, 18418), (561, 18553), (591, 18652), (621, 18730), (627, 18754), (629, 18760), (632, 18775), (657, 18871), (659, 18877), (702, 19030), (728, 19135), (729, 19138), (733, 19156),

Gene: Filch_25 Start: 19504, Stop: 21183, Start Num: 119
Candidate Starts for Filch_25:
(Start: 119 @19504 has 132 MA's), (Start: 169 @19588 has 49 MA's), (Start: 203 @19666 has 1 MA's), (231, 19753), (236, 19768), (259, 19816), (273, 19855), (305, 19942), (319, 19975), (333, 20011), (343, 20041), (345, 20047), (370, 20116), (399, 20146), (403, 20158), (404, 20161), (426, 20218), (483, 20350), (484, 20356), (505, 20422), (507, 20428), (513, 20452), (529, 20500), (540, 20524), (543, 20533), (562, 20608), (580, 20659), (585, 20674), (648, 20836), (654, 20863), (663, 20893), (689, 20998), (716, 21076), (723, 21112), (725, 21121), (732, 21154), (738, 21169),

Gene: Filuzino_16 Start: 14799, Stop: 16508, Start Num: 114
Candidate Starts for Filuzino_16:
(Start: 114 @14799 has 231 MA's), (171, 14886), (Start: 193 @14931 has 2 MA's), (202, 14955), (234, 15060), (236, 15066), (242, 15084), (259, 15114), (299, 15219), (321, 15279), (325, 15288), (329,

15297), (330, 15300), (333, 15309), (341, 15333), (367, 15408), (397, 15459), (402, 15474), (404, 15480), (417, 15516), (418, 15519), (424, 15531), (426, 15537), (440, 15585), (445, 15597), (446, 15603), (481, 15663), (485, 15675), (497, 15711), (500, 15723), (527, 15798), (529, 15807), (538, 15825), (540, 15831), (549, 15861), (578, 15966), (580, 15975), (581, 15978), (592, 16014), (631, 16092), (656, 16191), (663, 16212), (671, 16245), (679, 16275), (686, 16305), (688, 16314), (690, 16320), (698, 16335), (699, 16338), (703, 16362), (714, 16392), (718, 16404), (723, 16434), (732, 16476),

Gene: Findley_19 Start: 15016, Stop: 16785, Start Num: 80
Candidate Starts for Findley_19:
(Start: 64 @14980 has 1 MA's), (Start: 77 @15010 has 26 MA's), (Start: 80 @15016 has 43 MA's), (Start: 97 @15031 has 61 MA's), (135, 15073), (160, 15121), (177, 15160), (185, 15175), (204, 15226), (215, 15256), (225, 15289), (229, 15301), (236, 15319), (268, 15391), (269, 15397), (305, 15493), (309, 15505), (348, 15607), (356, 15622), (382, 15658), (404, 15694), (423, 15742), (435, 15781), (443, 15805), (446, 15817), (481, 15907), (484, 15916), (550, 16111), (561, 16162), (578, 16216), (593, 16270), (636, 16384), (639, 16393), (657, 16468), (671, 16519), (672, 16525), (701, 16621), (717, 16675), (733, 16756), (745, 16777),

Gene: Finkle_19 Start: 16256, Stop: 17803, Start Num: 134
Candidate Starts for Finkle_19:
(40, 16073), (45, 16106), (Start: 114 @16241 has 231 MA's), (Start: 134 @16256 has 1 MA's), (137, 16262), (172, 16325), (221, 16439), (224, 16448), (225, 16451), (228, 16454), (234, 16475), (259, 16520), (260, 16523), (280, 16577), (324, 16688), (340, 16736), (378, 16823), (419, 16844), (421, 16847), (427, 16865), (474, 16967), (495, 17021), (509, 17066), (550, 17147), (581, 17261), (583, 17267), (599, 17297), (604, 17306), (631, 17372), (669, 17513), (672, 17525), (692, 17600), (701, 17645), (728, 17759), (732, 17774),

Gene: Fionnbharth_24 Start: 18623, Stop: 20410, Start Num: 82
Candidate Starts for Fionnbharth_24:
(Start: 64 @18584 has 1 MA's), (Start: 77 @18614 has 26 MA's), (Start: 80 @18620 has 43 MA's), (Start: 82 @18623 has 156 MA's), (Start: 100 @18638 has 3 MA's), (135, 18680), (160, 18728), (177, 18767), (185, 18782), (Start: 193 @18800 has 2 MA's), (204, 18833), (215, 18863), (229, 18908), (236, 18926), (268, 18998), (269, 19004), (284, 19034), (286, 19037), (305, 19100), (309, 19112), (369, 19247), (382, 19265), (402, 19295), (404, 19301), (409, 19319), (423, 19349), (435, 19388), (481, 19514), (501, 19577), (561, 19778), (578, 19832), (591, 19877), (609, 19922), (617, 19946), (627, 19979), (628, 19982), (636, 20012), (654, 20084), (657, 20096), (671, 20147), (672, 20153), (702, 20255), (733, 20381), (745, 20402),

Gene: FireRed_24 Start: 19858, Stop: 21453, Start Num: 169
Candidate Starts for FireRed_24:
(Start: 119 @19774 has 132 MA's), (Start: 169 @19858 has 49 MA's), (Start: 203 @19936 has 1 MA's), (231, 20023), (236, 20038), (259, 20086), (273, 20125), (305, 20212), (319, 20245), (333, 20281), (343, 20311), (345, 20317), (370, 20386), (399, 20416), (403, 20428), (404, 20431), (426, 20488), (483, 20620), (484, 20626), (505, 20692), (507, 20698), (513, 20722), (529, 20770), (540, 20794), (543, 20803), (562, 20878), (580, 20929), (585, 20944), (648, 21106), (654, 21133), (663, 21163), (689, 21268), (716, 21346), (723, 21382), (725, 21391), (732, 21424), (738, 21439),

Gene: Firecracker_57 Start: 33671, Stop: 35407, Start Num: 94
Candidate Starts for Firecracker_57:
(Start: 89 @33662 has 2 MA's), (Start: 94 @33671 has 30 MA's), (Start: 156 @33761 has 1 MA's), (207, 33878), (219, 33914), (226, 33935), (234, 33962), (236, 33968), (249, 33998), (261, 34022), (283, 34073), (333, 34211), (335, 34217), (352, 34268), (354, 34271), (359, 34289), (397, 34340), (404, 34361), (405, 34364), (424, 34412), (426, 34418), (440, 34466), (443, 34472), (445, 34478),

(471, 34538), (481, 34562), (483, 34565), (497, 34610), (501, 34625), (504, 34634), (507, 34643), (522, 34688), (529, 34706), (543, 34739), (581, 34877), (587, 34898), (625, 34964), (632, 34994), (646, 35048), (656, 35090), (663, 35111), (667, 35132), (671, 35144), (676, 35165), (690, 35219), (716, 35297), (723, 35333), (727, 35354), (733, 35381),

Gene: Firehouse51_17 Start: 15366, Stop: 17075, Start Num: 114
Candidate Starts for Firehouse51_17:
(Start: 114 @15366 has 231 MA's), (171, 15453), (Start: 193 @15498 has 2 MA's), (202, 15522), (234, 15627), (236, 15633), (242, 15651), (259, 15681), (299, 15786), (321, 15846), (330, 15867), (333, 15876), (341, 15900), (354, 15936), (397, 16026), (402, 16041), (404, 16047), (417, 16083), (418, 16086), (424, 16098), (426, 16104), (440, 16152), (445, 16164), (446, 16170), (481, 16230), (485, 16242), (497, 16278), (500, 16290), (527, 16365), (529, 16374), (538, 16392), (540, 16398), (549, 16428), (578, 16533), (580, 16542), (581, 16545), (592, 16581), (631, 16659), (656, 16758), (663, 16779), (671, 16812), (679, 16842), (686, 16872), (688, 16881), (690, 16887), (698, 16902), (699, 16905), (703, 16929), (714, 16959), (718, 16971), (723, 17001), (732, 17043),

Gene: FirstPlacePfu_19 Start: 16385, Stop: 18121, Start Num: 107
Candidate Starts for FirstPlacePfu_19:
(Start: 90 @16361 has 2 MA's), (Start: 107 @16385 has 54 MA's), (148, 16445), (159, 16466), (161, 16469), (211, 16589), (225, 16628), (235, 16661), (244, 16685), (294, 16805), (305, 16844), (307, 16850), (339, 16934), (341, 16940), (345, 16952), (354, 16976), (362, 17003), (370, 17021), (396, 17060), (397, 17066), (405, 17090), (426, 17144), (429, 17156), (432, 17165), (450, 17225), (487, 17303), (500, 17342), (511, 17375), (529, 17441), (537, 17456), (540, 17465), (547, 17489), (555, 17519), (559, 17531), (590, 17633), (593, 17645), (594, 17648), (596, 17654), (616, 17663), (646, 17771), (667, 17855), (693, 17954), (725, 18062), (738, 18110),

Gene: Fishburne_19 Start: 16385, Stop: 18121, Start Num: 107
Candidate Starts for Fishburne_19:
(Start: 90 @16361 has 2 MA's), (Start: 107 @16385 has 54 MA's), (148, 16445), (159, 16466), (161, 16469), (211, 16589), (225, 16628), (235, 16661), (244, 16685), (294, 16805), (305, 16844), (307, 16850), (339, 16934), (341, 16940), (345, 16952), (354, 16976), (362, 17003), (370, 17021), (396, 17060), (397, 17066), (405, 17090), (426, 17144), (429, 17156), (432, 17165), (450, 17225), (487, 17303), (500, 17342), (511, 17375), (529, 17441), (537, 17456), (540, 17465), (547, 17489), (555, 17519), (559, 17531), (590, 17633), (593, 17645), (594, 17648), (596, 17654), (616, 17663), (646, 17771), (667, 17855), (693, 17954), (725, 18062), (738, 18110),

Gene: FlagStaff_18 Start: 16851, Stop: 18575, Start Num: 100
Candidate Starts for FlagStaff_18:
(Start: 100 @16851 has 3 MA's), (160, 16923), (215, 17058), (240, 17133), (266, 17184), (269, 17199), (284, 17229), (288, 17235), (303, 17289), (348, 17409), (380, 17454), (404, 17505), (406, 17514), (423, 17553), (435, 17592), (446, 17628), (458, 17673), (481, 17718), (529, 17859), (551, 17916), (561, 17964), (567, 17991), (584, 18039), (607, 18081), (627, 18144), (653, 18246), (671, 18312), (721, 18486), (736, 18552),

Gene: Flapper_45 Start: 31189, Stop: 32808, Start Num: 109
Candidate Starts for Flapper_45:
(Start: 109 @31189 has 43 MA's), (Start: 123 @31204 has 61 MA's), (Start: 141 @31225 has 1 MA's), (185, 31303), (292, 31570), (301, 31600), (312, 31627), (316, 31636), (324, 31651), (365, 31762), (385, 31792), (387, 31795), (417, 31852), (505, 32077), (531, 32116), (549, 32164), (583, 32290), (593, 32326), (629, 32383), (643, 32437), (663, 32512), (701, 32644), (721, 32719), (723, 32731), (726, 32743), (727, 32752), (738, 32788),

Gene: Flathead_17 Start: 14674, Stop: 16383, Start Num: 114

Candidate Starts for Flathead_17:
(Start: 114 @14674 has 231 MA's), (171, 14761), (Start: 193 @14806 has 2 MA's), (202, 14830), (234, 14935), (236, 14941), (242, 14959), (259, 14989), (299, 15094), (321, 15154), (330, 15175), (333, 15184), (341, 15208), (397, 15334), (402, 15349), (404, 15355), (417, 15391), (418, 15394), (424, 15406), (426, 15412), (440, 15460), (445, 15472), (446, 15478), (481, 15538), (485, 15550), (497, 15586), (500, 15598), (527, 15673), (529, 15682), (538, 15700), (540, 15706), (549, 15736), (578, 15841), (580, 15850), (581, 15853), (592, 15889), (631, 15967), (656, 16066), (663, 16087), (671, 16120), (679, 16150), (686, 16180), (688, 16189), (690, 16195), (698, 16210), (699, 16213), (703, 16237), (714, 16267), (718, 16279), (723, 16309), (732, 16351),

Gene: Float294_43 Start: 30912, Stop: 32534, Start Num: 109
Candidate Starts for Float294_43:
(Start: 109 @30912 has 43 MA's), (185, 31029), (212, 31107), (280, 31269), (287, 31281), (292, 31296), (316, 31362), (324, 31377), (365, 31488), (385, 31518), (387, 31521), (417, 31578), (442, 31650), (480, 31734), (488, 31755), (531, 31842), (549, 31890), (583, 32016), (584, 32019), (593, 32052), (629, 32109), (663, 32238), (672, 32277), (703, 32382), (721, 32445), (723, 32457), (726, 32469), (727, 32478), (738, 32514),

Gene: Floral_20 Start: 17566, Stop: 19272, Start Num: 110
Candidate Starts for Floral_20:
(Start: 91 @17542 has 1 MA's), (Start: 110 @17566 has 31 MA's), (175, 17671), (195, 17713), (219, 17788), (264, 17902), (315, 18049), (319, 18055), (336, 18100), (416, 18238), (442, 18313), (550, 18595), (554, 18616), (575, 18691), (612, 18778), (623, 18814), (630, 18847), (632, 18853), (649, 18919), (657, 18949), (698, 19105), (700, 19111), (702, 19129), (730, 19240),

Gene: Florinda_16 Start: 14828, Stop: 16537, Start Num: 114
Candidate Starts for Florinda_16:
(Start: 114 @14828 has 231 MA's), (171, 14915), (Start: 193 @14960 has 2 MA's), (202, 14984), (234, 15089), (236, 15095), (242, 15113), (259, 15143), (299, 15248), (321, 15308), (330, 15329), (333, 15338), (341, 15362), (397, 15488), (402, 15503), (404, 15509), (409, 15527), (410, 15530), (417, 15545), (418, 15548), (424, 15560), (426, 15566), (428, 15575), (440, 15614), (445, 15626), (446, 15632), (481, 15692), (497, 15740), (500, 15752), (527, 15827), (529, 15836), (538, 15854), (540, 15860), (549, 15890), (578, 15995), (581, 16007), (592, 16043), (631, 16121), (656, 16220), (663, 16241), (671, 16274), (679, 16304), (686, 16334), (688, 16343), (690, 16349), (698, 16364), (699, 16367), (702, 16388), (703, 16391), (718, 16433), (723, 16463), (732, 16505),

Gene: Flypotenuse_22 Start: 19446, Stop: 21041, Start Num: 169
Candidate Starts for Flypotenuse_22:
(Start: 119 @19362 has 132 MA's), (Start: 169 @19446 has 49 MA's), (Start: 203 @19524 has 1 MA's), (231, 19611), (236, 19626), (259, 19674), (273, 19713), (305, 19800), (319, 19833), (333, 19869), (343, 19899), (345, 19905), (370, 19974), (399, 20004), (403, 20016), (404, 20019), (426, 20076), (483, 20208), (484, 20214), (505, 20280), (507, 20286), (513, 20310), (529, 20358), (540, 20382), (543, 20391), (562, 20466), (580, 20517), (585, 20532), (648, 20694), (654, 20721), (663, 20751), (689, 20856), (716, 20934), (723, 20970), (725, 20979), (732, 21012), (738, 21027),

Gene: FoghornLeghorn_23 Start: 19334, Stop: 20929, Start Num: 169
Candidate Starts for FoghornLeghorn_23:
(Start: 119 @19250 has 132 MA's), (Start: 169 @19334 has 49 MA's), (Start: 203 @19412 has 1 MA's), (231, 19499), (236, 19514), (259, 19562), (273, 19601), (305, 19688), (319, 19721), (333, 19757), (343, 19787), (345, 19793), (370, 19862), (399, 19892), (403, 19904), (404, 19907), (426, 19964), (483, 20096), (484, 20102), (505, 20168), (507, 20174), (513, 20198), (529, 20246), (540, 20270), (543, 20279), (562, 20354), (580, 20405), (585, 20420), (648, 20582), (654, 20609), (663, 20639), (689, 20744), (716, 20822), (723, 20858), (725, 20867), (732, 20900), (738, 20915),

Gene: ForeverHowLong_18 Start: 16635, Stop: 18398, Start Num: 77
Candidate Starts for ForeverHowLong_18:
(Start: 77 @16635 has 26 MA's), (Start: 97 @16644 has 61 MA's), (Start: 103 @16650 has 1 MA's), (111, 16656), (185, 16788), (204, 16839), (215, 16869), (222, 16893), (266, 16995), (281, 17034), (284, 17040), (290, 17055), (303, 17100), (320, 17142), (348, 17220), (386, 17277), (404, 17316), (423, 17364), (431, 17391), (435, 17403), (458, 17484), (481, 17529), (551, 17727), (556, 17757), (561, 17775), (567, 17802), (594, 17886), (607, 17904), (614, 17919), (627, 17967), (630, 17982), (648, 18045), (663, 18102), (672, 18141), (682, 18183), (701, 18234), (725, 18330), (745, 18390),

Gene: Forge_22 Start: 17406, Stop: 19148, Start Num: 80
Candidate Starts for Forge_22:
(Start: 80 @17406 has 43 MA's), (Start: 87 @17415 has 18 MA's), (120, 17457), (152, 17508), (163, 17532), (170, 17544), (177, 17565), (185, 17580), (Start: 193 @17598 has 2 MA's), (204, 17631), (212, 17658), (236, 17730), (272, 17820), (304, 17904), (307, 17913), (315, 17934), (341, 18000), (354, 18027), (379, 18060), (398, 18078), (405, 18099), (409, 18114), (410, 18117), (435, 18183), (436, 18186), (453, 18252), (464, 18264), (472, 18273), (473, 18276), (501, 18363), (518, 18417), (541, 18462), (543, 18468), (560, 18540), (567, 18570), (578, 18597), (588, 18633), (591, 18642), (627, 18720), (665, 18864), (669, 18882), (672, 18894), (676, 18909), (677, 18912), (682, 18933), (688, 18945), (702, 18993), (713, 19026), (729, 19101), (733, 19119), (745, 19140),

Gene: Forza_101 Start: 59948, Stop: 61576, Start Num: 112
Candidate Starts for Forza_101:
(Start: 112 @59948 has 4 MA's), (129, 59963), (132, 59966), (145, 59993), (177, 60050), (195, 60086), (205, 60119), (216, 60149), (217, 60152), (240, 60221), (248, 60227), (315, 60392), (333, 60434), (336, 60443), (339, 60452), (343, 60464), (416, 60584), (481, 60737), (500, 60797), (552, 60944), (555, 60965), (559, 60980), (583, 61058), (585, 61064), (636, 61181), (640, 61196), (654, 61253), (663, 61283), (671, 61316), (704, 61436), (738, 61565),

Gene: FoulBall_56 Start: 33475, Stop: 35211, Start Num: 94
Candidate Starts for FoulBall_56:
(Start: 89 @33466 has 2 MA's), (Start: 94 @33475 has 30 MA's), (Start: 156 @33565 has 1 MA's), (207, 33682), (219, 33718), (226, 33739), (234, 33766), (236, 33772), (249, 33802), (261, 33826), (283, 33877), (333, 34015), (335, 34021), (352, 34072), (354, 34075), (359, 34093), (397, 34144), (404, 34165), (405, 34168), (424, 34216), (426, 34222), (440, 34270), (443, 34276), (445, 34282), (471, 34342), (481, 34366), (483, 34369), (497, 34414), (501, 34429), (504, 34438), (507, 34447), (522, 34492), (529, 34510), (543, 34543), (581, 34681), (587, 34702), (625, 34768), (632, 34798), (646, 34852), (656, 34894), (663, 34915), (667, 34936), (671, 34948), (676, 34969), (690, 35023), (716, 35101), (723, 35137), (727, 35158), (733, 35185),

Gene: Foxboro_42 Start: 31331, Stop: 32944, Start Num: 109
Candidate Starts for Foxboro_42:
(Start: 109 @31331 has 43 MA's), (Start: 141 @31367 has 1 MA's), (152, 31385), (185, 31445), (280, 31685), (287, 31697), (292, 31712), (316, 31778), (324, 31793), (332, 31817), (333, 31820), (365, 31904), (385, 31934), (387, 31937), (417, 31994), (434, 32042), (435, 32045), (442, 32066), (488, 32171), (504, 32216), (531, 32258), (583, 32432), (592, 32462), (593, 32468), (642, 32576), (643, 32579), (663, 32654), (723, 32873), (738, 32930),

Gene: Francois_22 Start: 17367, Stop: 19073, Start Num: 130
Candidate Starts for Francois_22:
(Start: 73 @17292 has 2 MA's), (Start: 130 @17367 has 17 MA's), (177, 17460), (185, 17475), (215, 17556), (230, 17607), (237, 17628), (286, 17739), (300, 17784), (305, 17802), (309, 17814), (402, 17985), (405, 17994), (406, 18000), (435, 18078), (441, 18096), (453, 18147), (472, 18171), (483,

18201), (504, 18270), (516, 18309), (559, 18441), (578, 18501), (593, 18555), (627, 18642), (656, 18756), (659, 18765), (688, 18870), (715, 18957), (745, 19065),

Gene: Frankie_17 Start: 14912, Stop: 16621, Start Num: 114
Candidate Starts for Frankie_17:
(Start: 114 @14912 has 231 MA's), (171, 14999), (Start: 193 @15044 has 2 MA's), (202, 15068), (207, 15089), (234, 15173), (236, 15179), (242, 15197), (259, 15227), (299, 15332), (321, 15392), (325, 15401), (329, 15410), (330, 15413), (333, 15422), (341, 15446), (367, 15521), (397, 15572), (402, 15587), (404, 15593), (417, 15629), (424, 15644), (426, 15650), (440, 15698), (445, 15710), (446, 15716), (481, 15776), (485, 15788), (497, 15824), (500, 15836), (527, 15911), (529, 15920), (538, 15938), (540, 15944), (549, 15974), (578, 16079), (581, 16091), (592, 16127), (631, 16205), (663, 16325), (671, 16358), (679, 16388), (686, 16418), (688, 16427), (690, 16433), (698, 16448), (699, 16451), (703, 16475), (714, 16505), (718, 16517), (723, 16547), (732, 16589),

Gene: FreddyB_16 Start: 14816, Stop: 16525, Start Num: 114
Candidate Starts for FreddyB_16:
(Start: 114 @14816 has 231 MA's), (171, 14903), (Start: 193 @14948 has 2 MA's), (202, 14972), (234, 15077), (236, 15083), (242, 15101), (259, 15131), (299, 15236), (321, 15296), (330, 15317), (333, 15326), (341, 15350), (397, 15476), (402, 15491), (404, 15497), (417, 15533), (418, 15536), (424, 15548), (426, 15554), (440, 15602), (445, 15614), (446, 15620), (481, 15680), (485, 15692), (497, 15728), (500, 15740), (527, 15815), (529, 15824), (538, 15842), (540, 15848), (549, 15878), (578, 15983), (581, 15995), (592, 16031), (631, 16109), (663, 16229), (671, 16262), (679, 16292), (686, 16322), (688, 16331), (690, 16337), (698, 16352), (699, 16355), (703, 16379), (714, 16409), (718, 16421), (723, 16451), (732, 16493),

Gene: Frizzle_16 Start: 14350, Stop: 15954, Start Num: 150
Candidate Starts for Frizzle_16:
(33, 14044), (136, 14323), (Start: 150 @14350 has 49 MA's), (248, 14605), (253, 14608), (254, 14611), (264, 14635), (267, 14641), (283, 14683), (377, 14905), (401, 14929), (402, 14932), (403, 14935), (426, 14995), (462, 15106), (465, 15109), (493, 15166), (505, 15205), (507, 15211), (555, 15346), (566, 15391), (578, 15421), (659, 15652), (667, 15685), (682, 15745), (692, 15769), (735, 15937), (739, 15943),

Gene: FroggyToad_17 Start: 14704, Stop: 16413, Start Num: 123
Candidate Starts for FroggyToad_17:
(51, 14569), (Start: 123 @14704 has 61 MA's), (147, 14746), (186, 14821), (210, 14893), (211, 14896), (236, 14971), (264, 15025), (280, 15067), (292, 15094), (295, 15106), (304, 15136), (324, 15184), (326, 15187), (340, 15232), (395, 15373), (424, 15454), (443, 15514), (446, 15526), (474, 15562), (504, 15643), (531, 15679), (544, 15712), (551, 15736), (567, 15808), (577, 15832), (654, 16066), (658, 16081), (669, 16123), (691, 16216), (692, 16219), (702, 16267), (711, 16297), (721, 16333),

Gene: Frokostdame_19 Start: 16616, Stop: 18265, Start Num: 150
Candidate Starts for Frokostdame_19:
(Start: 130 @16580 has 17 MA's), (Start: 150 @16616 has 49 MA's), (155, 16625), (199, 16721), (223, 16799), (264, 16898), (278, 16937), (306, 17018), (329, 17072), (334, 17087), (386, 17171), (426, 17258), (435, 17288), (507, 17471), (513, 17495), (534, 17546), (562, 17639), (566, 17651), (582, 17696), (586, 17711), (594, 17738), (628, 17843), (629, 17846), (654, 17945), (659, 17963), (672, 18014), (690, 18074), (692, 18080), (714, 18155),

Gene: Frosty24_18 Start: 16640, Stop: 18403, Start Num: 77
Candidate Starts for Frosty24_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039),

(284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Fruitloop_16 Start: 14838, Stop: 16547, Start Num: 114
Candidate Starts for Fruitloop_16:
(Start: 114 @14838 has 231 MA's), (171, 14925), (Start: 193 @14970 has 2 MA's), (202, 14994), (234, 15099), (236, 15105), (242, 15123), (259, 15153), (299, 15258), (321, 15318), (330, 15339), (333, 15348), (339, 15366), (341, 15372), (397, 15498), (402, 15513), (404, 15519), (417, 15555), (418, 15558), (424, 15570), (426, 15576), (440, 15624), (445, 15636), (446, 15642), (481, 15702), (485, 15714), (497, 15750), (500, 15762), (527, 15837), (529, 15846), (538, 15864), (540, 15870), (549, 15900), (578, 16005), (580, 16014), (581, 16017), (592, 16053), (631, 16131), (656, 16230), (663, 16251), (671, 16284), (679, 16314), (686, 16344), (688, 16353), (690, 16359), (698, 16374), (699, 16377), (703, 16401), (714, 16431), (718, 16443), (723, 16473), (732, 16515),

Gene: Fulbright_18 Start: 14986, Stop: 16695, Start Num: 119
Candidate Starts for Fulbright_18:
(Start: 119 @14986 has 132 MA's), (139, 15013), (Start: 193 @15118 has 2 MA's), (197, 15130), (208, 15166), (225, 15217), (234, 15247), (236, 15253), (247, 15280), (252, 15286), (299, 15406), (318, 15460), (321, 15466), (329, 15484), (333, 15496), (334, 15499), (341, 15520), (356, 15562), (367, 15595), (397, 15646), (402, 15661), (417, 15703), (424, 15718), (426, 15724), (440, 15772), (447, 15796), (460, 15826), (481, 15850), (500, 15910), (504, 15922), (522, 15976), (527, 15985), (548, 16045), (549, 16048), (578, 16153), (580, 16162), (592, 16201), (647, 16339), (685, 16489), (686, 16492), (688, 16501), (698, 16522), (703, 16549), (716, 16585), (738, 16678),

Gene: Fury_50 Start: 30682, Stop: 32301, Start Num: 109
Candidate Starts for Fury_50:
(Start: 109 @30682 has 43 MA's), (Start: 123 @30697 has 61 MA's), (152, 30736), (185, 30796), (216, 30880), (292, 31063), (316, 31129), (324, 31144), (337, 31180), (365, 31255), (385, 31285), (387, 31288), (392, 31306), (417, 31345), (428, 31375), (508, 31579), (531, 31609), (549, 31657), (550, 31660), (583, 31783), (593, 31819), (663, 32005), (706, 32158), (721, 32212), (723, 32224), (726, 32236), (738, 32281),

Gene: GAL1_20 Start: 16985, Stop: 18748, Start Num: 70
Candidate Starts for GAL1_20:
(66, 16976), (70, 16985), (135, 17072), (154, 17108), (178, 17159), (191, 17183), (194, 17189), (213, 17249), (219, 17264), (246, 17339), (250, 17345), (277, 17414), (290, 17444), (298, 17471), (300, 17477), (308, 17507), (315, 17525), (328, 17552), (331, 17561), (334, 17570), (336, 17576), (338, 17582), (348, 17612), (396, 17654), (402, 17675), (404, 17681), (407, 17693), (432, 17759), (440, 17786), (442, 17789), (493, 17915), (512, 17975), (524, 18011), (550, 18071), (551, 18074), (554, 18092), (555, 18101), (575, 18167), (578, 18176), (623, 18290), (630, 18323), (635, 18338), (638, 18347), (649, 18395), (657, 18425), (672, 18482), (673, 18485), (675, 18494), (685, 18536), (698, 18581), (700, 18587), (704, 18611), (706, 18617), (713, 18638), (725, 18692), (730, 18716), (734, 18734), (741, 18743),

Gene: GMA1_19 Start: 15927, Stop: 17480, Start Num: 134
Candidate Starts for GMA1_19:
(45, 15795), (Start: 134 @15927 has 1 MA's), (177, 16008), (199, 16050), (221, 16116), (224, 16125), (225, 16128), (228, 16131), (247, 16179), (259, 16197), (260, 16200), (324, 16365), (336, 16401), (340, 16413), (344, 16425), (424, 16530), (427, 16542), (436, 16569), (501, 16719), (539, 16788), (550, 16824), (581, 16938), (583, 16944), (599, 16974), (604, 16983), (624, 17019), (627, 17031), (637, 17067), (640, 17079), (669, 17190), (672, 17202), (692, 17277), (699, 17310), (701, 17322),

(713, 17364), (716, 17373), (728, 17436),

Gene: GMA2_30 Start: 31614, Stop: 33245, Start Num: 115
Candidate Starts for GMA2_30:
(Start: 115 @31614 has 7 MA's), (205, 31785), (221, 31833), (226, 31848), (248, 31893), (319, 32064), (333, 32100), (336, 32109), (338, 32115), (339, 32118), (343, 32130), (416, 32250), (453, 32367), (484, 32412), (552, 32613), (555, 32634), (559, 32649), (578, 32709), (618, 32787), (625, 32808), (627, 32817), (640, 32865), (722, 33171), (732, 33219),

Gene: GMA4_18 Start: 16957, Stop: 18117, Start Num: 185
Candidate Starts for GMA4_18:
(185, 16957), (186, 16960), (187, 16963), (192, 16972), (Start: 209 @17032 has 11 MA's), (210, 17035), (224, 17068), (241, 17125), (268, 17179), (271, 17191), (286, 17218), (299, 17263), (366, 17452), (389, 17506), (390, 17512), (417, 17602), (451, 17713), (485, 17815), (510, 17887), (561, 18070),

Gene: GRU1_31 Start: 23089, Stop: 24708, Start Num: 109
Candidate Starts for GRU1_31:
(Start: 109 @23089 has 43 MA's), (Start: 123 @23104 has 61 MA's), (Start: 141 @23125 has 1 MA's), (185, 23203), (232, 23341), (292, 23470), (301, 23500), (312, 23527), (316, 23536), (324, 23551), (365, 23662), (385, 23692), (387, 23695), (417, 23752), (505, 23977), (531, 24016), (549, 24064), (583, 24190), (593, 24226), (629, 24283), (643, 24337), (663, 24412), (701, 24544), (721, 24619), (723, 24631), (726, 24643), (727, 24652), (738, 24688),

Gene: GTE5_32 Start: 24044, Stop: 25663, Start Num: 109
Candidate Starts for GTE5_32:
(Start: 109 @24044 has 43 MA's), (Start: 123 @24059 has 61 MA's), (Start: 141 @24080 has 1 MA's), (185, 24158), (292, 24425), (301, 24455), (312, 24482), (316, 24491), (324, 24506), (365, 24617), (385, 24647), (387, 24650), (417, 24707), (488, 24884), (505, 24932), (531, 24971), (535, 24980), (549, 25019), (583, 25145), (593, 25181), (629, 25238), (643, 25292), (663, 25367), (701, 25499), (721, 25574), (723, 25586), (726, 25598), (727, 25607), (738, 25643),

Gene: GTE6_32 Start: 28048, Stop: 29667, Start Num: 126
Candidate Starts for GTE6_32:
(Start: 126 @28048 has 11 MA's), (140, 28069), (175, 28132), (221, 28255), (225, 28267), (254, 28324), (290, 28402), (334, 28525), (405, 28639), (416, 28669), (431, 28711), (450, 28774), (481, 28822), (484, 28831), (500, 28882), (514, 28930), (566, 29095), (578, 29125), (625, 29224), (627, 29233), (628, 29236), (640, 29281), (652, 29338), (654, 29344), (655, 29350), (668, 29398), (671, 29407), (672, 29413), (673, 29416), (688, 29467), (701, 29512), (719, 29581), (729, 29629), (732, 29641),

Gene: GTE8_30 Start: 24084, Stop: 25697, Start Num: 109
Candidate Starts for GTE8_30:
(Start: 109 @24084 has 43 MA's), (Start: 141 @24120 has 1 MA's), (185, 24198), (280, 24438), (287, 24450), (292, 24465), (316, 24531), (324, 24546), (332, 24570), (365, 24657), (385, 24687), (387, 24690), (413, 24735), (417, 24747), (434, 24795), (435, 24798), (442, 24819), (504, 24969), (531, 25011), (583, 25185), (593, 25221), (642, 25329), (643, 25332), (663, 25407), (723, 25626), (738, 25683),

Gene: GUmbie_16 Start: 14805, Stop: 16514, Start Num: 114
Candidate Starts for GUmbie_16:
(Start: 114 @14805 has 231 MA's), (171, 14892), (Start: 193 @14937 has 2 MA's), (202, 14961), (234, 15066), (236, 15072), (242, 15090), (259, 15120), (299, 15225), (318, 15279), (321, 15285), (325,

15294), (330, 15306), (333, 15315), (341, 15339), (354, 15375), (356, 15381), (359, 15393), (367, 15414), (369, 15417), (371, 15426), (378, 15441), (381, 15447), (397, 15465), (402, 15480), (404, 15486), (409, 15504), (410, 15507), (417, 15522), (424, 15537), (426, 15543), (435, 15573), (440, 15591), (445, 15603), (446, 15609), (481, 15669), (485, 15681), (497, 15717), (500, 15729), (507, 15750), (527, 15804), (529, 15813), (540, 15837), (549, 15867), (578, 15972), (581, 15984), (592, 16020), (622, 16059), (631, 16098), (656, 16197), (663, 16218), (671, 16251), (679, 16281), (686, 16311), (688, 16320), (690, 16326), (698, 16341), (699, 16344), (702, 16365), (703, 16368), (718, 16410), (723, 16440), (732, 16482), (733, 16488),

Gene: Gage_26 Start: 19820, Stop: 21415, Start Num: 169
Candidate Starts for Gage_26:
(Start: 119 @19736 has 132 MA's), (Start: 169 @19820 has 49 MA's), (Start: 203 @19898 has 1 MA's), (231, 19985), (236, 20000), (259, 20048), (273, 20087), (305, 20174), (319, 20207), (333, 20243), (343, 20273), (345, 20279), (370, 20348), (399, 20378), (403, 20390), (404, 20393), (426, 20450), (483, 20582), (484, 20588), (505, 20654), (507, 20660), (513, 20684), (529, 20732), (540, 20756), (543, 20765), (562, 20840), (580, 20891), (585, 20906), (648, 21068), (654, 21095), (663, 21125), (689, 21230), (716, 21308), (723, 21344), (725, 21353), (732, 21386), (738, 21401),

Gene: Gagieri_45 Start: 31180, Stop: 32754, Start Num: 121
Candidate Starts for Gagieri_45:
(Start: 121 @31180 has 70 MA's), (129, 31189), (133, 31192), (162, 31243), (183, 31267), (185, 31270), (287, 31522), (293, 31540), (316, 31603), (324, 31618), (379, 31735), (387, 31750), (417, 31807), (422, 31816), (435, 31858), (442, 31879), (450, 31909), (480, 31963), (553, 32137), (583, 32242), (584, 32245), (592, 32272), (637, 32365), (671, 32497), (682, 32545), (704, 32611), (714, 32641), (729, 32713),

Gene: Gaia_16 Start: 15059, Stop: 16948, Start Num: 73
Candidate Starts for Gaia_16:
(Start: 73 @15059 has 2 MA's), (76, 15068), (88, 15089), (Start: 141 @15158 has 1 MA's), (152, 15176), (160, 15194), (185, 15248), (198, 15284), (204, 15299), (205, 15302), (225, 15362), (266, 15455), (284, 15500), (288, 15506), (289, 15512), (295, 15533), (299, 15545), (315, 15593), (332, 15632), (333, 15635), (334, 15638), (346, 15674), (355, 15692), (376, 15719), (381, 15728), (404, 15767), (409, 15785), (428, 15833), (442, 15875), (454, 15929), (455, 15935), (456, 15941), (468, 15971), (470, 16010), (472, 16019), (479, 16043), (483, 16049), (511, 16139), (514, 16154), (542, 16220), (551, 16250), (561, 16298), (566, 16322), (567, 16325), (578, 16352), (595, 16412), (605, 16433), (610, 16454), (625, 16502), (628, 16514), (640, 16559), (654, 16619), (679, 16715), (680, 16721), (688, 16745), (692, 16757), (696, 16766), (701, 16784), (716, 16835), (726, 16883), (727, 16892), (729, 16901), (731, 16910), (732, 16913), (745, 16940),

Gene: Galactic_16 Start: 14803, Stop: 16512, Start Num: 114
Candidate Starts for Galactic_16:
(Start: 114 @14803 has 231 MA's), (171, 14890), (Start: 193 @14935 has 2 MA's), (202, 14959), (234, 15064), (236, 15070), (242, 15088), (259, 15118), (299, 15223), (321, 15283), (330, 15304), (333, 15313), (341, 15337), (397, 15463), (402, 15478), (404, 15484), (417, 15520), (418, 15523), (424, 15535), (426, 15541), (440, 15589), (445, 15601), (446, 15607), (481, 15667), (485, 15679), (497, 15715), (500, 15727), (527, 15802), (529, 15811), (538, 15829), (540, 15835), (549, 15865), (578, 15970), (580, 15979), (581, 15982), (592, 16018), (631, 16096), (656, 16195), (663, 16216), (671, 16249), (679, 16279), (686, 16309), (688, 16318), (690, 16324), (698, 16339), (699, 16342), (703, 16366), (714, 16396), (718, 16408), (723, 16438), (732, 16480),

Gene: Gallia_42 Start: 34784, Stop: 36412, Start Num: 114
Candidate Starts for Gallia_42:

(Start: 114 @34784 has 231 MA's), (226, 35006), (259, 35087), (267, 35108), (293, 35174), (324, 35249), (326, 35252), (379, 35387), (417, 35459), (422, 35468), (452, 35567), (502, 35675), (567, 35852), (603, 35948), (637, 36017), (647, 36056), (666, 36128), (678, 36182), (683, 36206), (688, 36215), (710, 36296), (732, 36386),

Gene: GaloreK_19 Start: 16381, Stop: 18117, Start Num: 107
Candidate Starts for GaloreK_19:
(Start: 90 @16357 has 2 MA's), (Start: 107 @16381 has 54 MA's), (148, 16441), (159, 16462), (161, 16465), (211, 16585), (225, 16624), (235, 16657), (244, 16681), (294, 16801), (305, 16840), (307, 16846), (339, 16930), (341, 16936), (345, 16948), (354, 16972), (362, 16999), (370, 17017), (396, 17056), (397, 17062), (405, 17086), (426, 17140), (429, 17152), (432, 17161), (450, 17221), (487, 17299), (500, 17338), (511, 17371), (529, 17437), (537, 17452), (540, 17461), (547, 17485), (555, 17515), (559, 17527), (590, 17629), (593, 17641), (594, 17644), (596, 17650), (616, 17659), (646, 17767), (667, 17851), (693, 17950), (725, 18058), (738, 18106),

Gene: Gambino_21 Start: 16962, Stop: 18611, Start Num: 150
Candidate Starts for Gambino_21:
(Start: 130 @16926 has 17 MA's), (Start: 150 @16962 has 49 MA's), (155, 16971), (199, 17067), (223, 17145), (253, 17217), (264, 17244), (278, 17283), (306, 17364), (329, 17418), (426, 17604), (435, 17634), (478, 17733), (507, 17817), (513, 17841), (534, 17892), (562, 17985), (566, 17997), (582, 18042), (586, 18057), (628, 18189), (629, 18192), (654, 18291), (659, 18309), (672, 18360), (690, 18420), (692, 18426), (714, 18501),

Gene: Gancho_21 Start: 17127, Stop: 18869, Start Num: 80
Candidate Starts for Gancho_21:
(36, 16953), (Start: 80 @17127 has 43 MA's), (Start: 87 @17136 has 18 MA's), (142, 17217), (152, 17229), (163, 17253), (170, 17265), (177, 17286), (185, 17301), (212, 17379), (236, 17451), (272, 17541), (304, 17625), (307, 17634), (315, 17655), (341, 17721), (354, 17748), (379, 17781), (398, 17799), (404, 17817), (405, 17820), (409, 17835), (410, 17838), (435, 17904), (436, 17907), (453, 17973), (473, 17997), (501, 18084), (518, 18138), (541, 18183), (543, 18189), (551, 18216), (560, 18261), (588, 18354), (591, 18363), (627, 18441), (665, 18585), (669, 18603), (672, 18615), (676, 18630), (677, 18633), (682, 18654), (702, 18714), (713, 18747), (715, 18753), (716, 18756), (729, 18822), (745, 18861),

Gene: Gandalph_16 Start: 14822, Stop: 16531, Start Num: 114
Candidate Starts for Gandalph_16:
(Start: 114 @14822 has 231 MA's), (171, 14909), (Start: 193 @14954 has 2 MA's), (202, 14978), (234, 15083), (236, 15089), (242, 15107), (259, 15137), (299, 15242), (318, 15296), (321, 15302), (325, 15311), (330, 15323), (333, 15332), (341, 15356), (354, 15392), (356, 15398), (359, 15410), (367, 15431), (369, 15434), (371, 15443), (378, 15458), (381, 15464), (397, 15482), (402, 15497), (404, 15503), (409, 15521), (410, 15524), (417, 15539), (418, 15542), (424, 15554), (426, 15560), (440, 15608), (445, 15620), (446, 15626), (481, 15686), (485, 15698), (497, 15734), (500, 15746), (507, 15767), (527, 15821), (529, 15830), (538, 15848), (540, 15854), (549, 15884), (578, 15989), (580, 15998), (581, 16001), (592, 16037), (622, 16076), (631, 16115), (656, 16214), (663, 16235), (671, 16268), (679, 16298), (686, 16328), (688, 16337), (690, 16343), (698, 16358), (699, 16361), (703, 16385), (714, 16415), (718, 16427), (723, 16457), (732, 16499),

Gene: Ganymede_24 Start: 17168, Stop: 18934, Start Num: 82
Candidate Starts for Ganymede_24:
(Start: 82 @17168 has 156 MA's), (Start: 103 @17198 has 1 MA's), (Start: 193 @17357 has 2 MA's), (204, 17390), (215, 17420), (225, 17453), (229, 17465), (268, 17555), (288, 17597), (309, 17669), (313, 17678), (330, 17717), (345, 17762), (355, 17783), (356, 17786), (398, 17840), (404, 17858), (420, 17900), (423, 17906), (431, 17933), (481, 18071), (486, 18089), (500, 18131), (506, 18149),

(516, 18179), (529, 18206), (561, 18311), (617, 18470), (628, 18506), (639, 18545), (657, 18620), (671, 18671), (725, 18866), (733, 18905), (734, 18908), (745, 18926),

Gene: Gator_22 Start: 19361, Stop: 21040, Start Num: 119
Candidate Starts for Gator_22:
(Start: 119 @19361 has 132 MA's), (Start: 169 @19445 has 49 MA's), (Start: 203 @19523 has 1 MA's), (231, 19610), (236, 19625), (259, 19673), (273, 19712), (305, 19799), (319, 19832), (333, 19868), (343, 19898), (345, 19904), (370, 19973), (399, 20003), (403, 20015), (404, 20018), (426, 20075), (483, 20207), (484, 20213), (505, 20279), (507, 20285), (513, 20309), (529, 20357), (540, 20381), (543, 20390), (562, 20465), (580, 20516), (585, 20531), (648, 20693), (654, 20720), (663, 20750), (689, 20855), (716, 20933), (723, 20969), (725, 20978), (732, 21011), (738, 21026),

Gene: Gavriela_19 Start: 16273, Stop: 18009, Start Num: 107
Candidate Starts for Gavriela_19:
(Start: 90 @16249 has 2 MA's), (Start: 107 @16273 has 54 MA's), (148, 16333), (159, 16354), (161, 16357), (211, 16477), (225, 16516), (235, 16549), (244, 16573), (294, 16693), (305, 16732), (307, 16738), (339, 16822), (341, 16828), (345, 16840), (354, 16864), (362, 16891), (370, 16909), (396, 16948), (397, 16954), (405, 16978), (426, 17032), (429, 17044), (432, 17053), (450, 17113), (487, 17191), (500, 17230), (511, 17263), (529, 17329), (540, 17353), (547, 17377), (555, 17407), (590, 17521), (593, 17533), (596, 17542), (616, 17551), (646, 17659), (667, 17743), (693, 17842), (725, 17950), (738, 17998),

Gene: Geeche_47 Start: 29431, Stop: 31122, Start Num: 104
Candidate Starts for Geeche_47:
(Start: 104 @29431 has 17 MA's), (146, 29491), (165, 29524), (179, 29557), (225, 29683), (236, 29716), (239, 29725), (300, 29854), (317, 29902), (426, 30115), (427, 30121), (435, 30145), (490, 30274), (497, 30295), (507, 30328), (562, 30526), (629, 30679), (654, 30778), (657, 30790), (660, 30799), (681, 30883), (724, 31030), (731, 31066), (734, 31078),

Gene: GemG_17 Start: 14758, Stop: 16467, Start Num: 123
Candidate Starts for GemG_17:
(Start: 123 @14758 has 61 MA's), (186, 14875), (236, 15025), (259, 15064), (264, 15079), (292, 15148), (295, 15160), (324, 15238), (326, 15241), (376, 15373), (395, 15427), (424, 15508), (443, 15568), (445, 15574), (446, 15580), (492, 15661), (504, 15697), (531, 15733), (539, 15751), (551, 15790), (567, 15862), (577, 15886), (654, 16120), (658, 16135), (669, 16177), (691, 16270), (692, 16273), (702, 16321), (711, 16351),

Gene: Gemini_27 Start: 20253, Stop: 21932, Start Num: 119
Candidate Starts for Gemini_27:
(Start: 119 @20253 has 132 MA's), (Start: 169 @20337 has 49 MA's), (Start: 203 @20415 has 1 MA's), (231, 20502), (236, 20517), (259, 20565), (273, 20604), (305, 20691), (319, 20724), (333, 20760), (343, 20790), (345, 20796), (370, 20865), (399, 20895), (403, 20907), (404, 20910), (426, 20967), (483, 21099), (484, 21105), (505, 21171), (507, 21177), (513, 21201), (529, 21249), (540, 21273), (543, 21282), (562, 21357), (580, 21408), (585, 21423), (648, 21585), (654, 21612), (663, 21642), (689, 21747), (716, 21825), (723, 21861), (725, 21870), (732, 21903), (738, 21918),

Gene: Gengar_21 Start: 17520, Stop: 19292, Start Num: 87
Candidate Starts for Gengar_21:
(Start: 87 @17520 has 18 MA's), (Start: 89 @17526 has 2 MA's), (106, 17550), (135, 17583), (160, 17631), (185, 17685), (204, 17736), (225, 17799), (269, 17907), (309, 18015), (355, 18129), (356, 18132), (384, 18171), (398, 18186), (402, 18198), (404, 18204), (420, 18246), (423, 18252), (435, 18291), (443, 18315), (481, 18417), (501, 18480), (514, 18525), (561, 18660), (591, 18759), (621, 18837), (627, 18861), (632, 18882), (657, 18978), (659, 18984), (702, 19137), (728, 19242), (729,

19245), (733, 19263),

Gene: Geraldini_23 Start: 17164, Stop: 18930, Start Num: 82
Candidate Starts for Geraldini_23:
(Start: 82 @17164 has 156 MA's), (Start: 103 @17194 has 1 MA's), (Start: 193 @17353 has 2 MA's), (204, 17386), (215, 17416), (225, 17449), (229, 17461), (268, 17551), (288, 17593), (309, 17665), (313, 17674), (330, 17713), (345, 17758), (355, 17779), (356, 17782), (398, 17836), (404, 17854), (420, 17896), (423, 17902), (431, 17929), (481, 18067), (486, 18085), (500, 18127), (506, 18145), (516, 18175), (529, 18202), (561, 18307), (617, 18466), (628, 18502), (639, 18541), (657, 18616), (671, 18667), (725, 18862), (733, 18901), (734, 18904), (745, 18922),

Gene: Geralt_16 Start: 14805, Stop: 16514, Start Num: 114
Candidate Starts for Geralt_16:
(Start: 114 @14805 has 231 MA's), (171, 14892), (Start: 193 @14937 has 2 MA's), (202, 14961), (234, 15066), (236, 15072), (242, 15090), (259, 15120), (299, 15225), (321, 15285), (330, 15306), (333, 15315), (341, 15339), (397, 15465), (402, 15480), (404, 15486), (417, 15522), (418, 15525), (424, 15537), (426, 15543), (440, 15591), (445, 15603), (446, 15609), (481, 15669), (485, 15681), (497, 15717), (500, 15729), (527, 15804), (529, 15813), (538, 15831), (540, 15837), (549, 15867), (578, 15972), (580, 15981), (581, 15984), (592, 16020), (631, 16098), (656, 16197), (663, 16218), (671, 16251), (679, 16281), (686, 16311), (688, 16320), (690, 16326), (698, 16341), (699, 16344), (703, 16368), (714, 16398), (718, 16410), (723, 16440), (732, 16482),

Gene: Gex_18 Start: 14985, Stop: 16694, Start Num: 119
Candidate Starts for Gex_18:
(Start: 119 @14985 has 132 MA's), (139, 15012), (Start: 193 @15117 has 2 MA's), (197, 15129), (208, 15165), (225, 15216), (234, 15246), (236, 15252), (247, 15279), (252, 15285), (299, 15405), (318, 15459), (321, 15465), (329, 15483), (333, 15495), (334, 15498), (341, 15519), (356, 15561), (367, 15594), (397, 15645), (402, 15660), (417, 15702), (424, 15717), (426, 15723), (440, 15771), (447, 15795), (460, 15825), (481, 15849), (500, 15909), (504, 15921), (522, 15975), (527, 15984), (548, 16044), (549, 16047), (578, 16152), (580, 16161), (592, 16200), (647, 16338), (685, 16488), (686, 16491), (688, 16500), (698, 16521), (703, 16548), (716, 16584), (738, 16677),

Gene: Ghobes_16 Start: 14348, Stop: 15952, Start Num: 150
Candidate Starts for Ghobes_16:
(33, 14042), (136, 14321), (Start: 150 @14348 has 49 MA's), (248, 14603), (253, 14606), (254, 14609), (264, 14633), (267, 14639), (283, 14681), (290, 14699), (335, 14825), (377, 14903), (401, 14927), (402, 14930), (403, 14933), (426, 14993), (462, 15104), (465, 15107), (493, 15164), (505, 15203), (507, 15209), (513, 15233), (566, 15389), (578, 15419), (659, 15650), (667, 15683), (682, 15743), (692, 15767), (735, 15935), (739, 15941),

Gene: Gideon_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Gideon_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: GigiOuiOui_16 Start: 14934, Stop: 16643, Start Num: 114
Candidate Starts for GigiOuiOui_16:
(Start: 114 @14934 has 231 MA's), (171, 15021), (181, 15042), (Start: 193 @15066 has 2 MA's), (202, 15090), (234, 15195), (236, 15201), (242, 15219), (259, 15249), (299, 15354), (318, 15408), (321,

15414), (325, 15423), (333, 15444), (341, 15468), (354, 15504), (356, 15510), (367, 15543), (369, 15546), (371, 15555), (378, 15570), (381, 15576), (397, 15594), (402, 15609), (404, 15615), (409, 15633), (410, 15636), (417, 15651), (424, 15666), (426, 15672), (440, 15720), (445, 15732), (446, 15738), (481, 15798), (485, 15810), (497, 15846), (500, 15858), (527, 15933), (529, 15942), (538, 15960), (540, 15966), (549, 15996), (578, 16101), (581, 16113), (592, 16149), (631, 16227), (663, 16347), (671, 16380), (679, 16410), (681, 16422), (686, 16440), (687, 16446), (688, 16449), (690, 16455), (698, 16470), (699, 16473), (702, 16494), (703, 16497), (718, 16539), (723, 16569), (732, 16611), (733, 16617),

Gene: Giles_22 Start: 17406, Stop: 19148, Start Num: 80
Candidate Starts for Giles_22:
(Start: 80 @17406 has 43 MA's), (Start: 87 @17415 has 18 MA's), (120, 17457), (152, 17508), (163, 17532), (170, 17544), (177, 17565), (185, 17580), (Start: 193 @17598 has 2 MA's), (204, 17631), (212, 17658), (236, 17730), (272, 17820), (304, 17904), (307, 17913), (315, 17934), (341, 18000), (354, 18027), (379, 18060), (398, 18078), (405, 18099), (409, 18114), (410, 18117), (435, 18183), (436, 18186), (453, 18252), (464, 18264), (472, 18273), (473, 18276), (501, 18363), (518, 18417), (541, 18462), (543, 18468), (560, 18540), (567, 18570), (578, 18597), (588, 18633), (591, 18642), (627, 18720), (665, 18864), (669, 18882), (672, 18894), (676, 18909), (677, 18912), (682, 18933), (688, 18945), (702, 18993), (713, 19026), (729, 19101), (733, 19119), (745, 19140),

Gene: Girafales_17 Start: 14636, Stop: 16345, Start Num: 114
Candidate Starts for Girafales_17:
(Start: 114 @14636 has 231 MA's), (171, 14723), (Start: 193 @14768 has 2 MA's), (202, 14792), (234, 14897), (236, 14903), (242, 14921), (259, 14951), (299, 15056), (321, 15116), (330, 15137), (333, 15146), (341, 15170), (397, 15296), (402, 15311), (404, 15317), (409, 15335), (410, 15338), (417, 15353), (418, 15356), (424, 15368), (426, 15374), (428, 15383), (440, 15422), (445, 15434), (446, 15440), (481, 15500), (497, 15548), (500, 15560), (527, 15635), (529, 15644), (538, 15662), (540, 15668), (549, 15698), (578, 15803), (581, 15815), (592, 15851), (631, 15929), (656, 16028), (663, 16049), (671, 16082), (679, 16112), (686, 16142), (688, 16151), (690, 16157), (698, 16172), (699, 16175), (702, 16196), (703, 16199), (718, 16241), (723, 16271), (732, 16313),

Gene: Girr_16 Start: 14774, Stop: 16483, Start Num: 114
Candidate Starts for Girr_16:
(Start: 114 @14774 has 231 MA's), (171, 14861), (Start: 193 @14906 has 2 MA's), (202, 14930), (234, 15035), (236, 15041), (242, 15059), (259, 15089), (299, 15194), (318, 15248), (321, 15254), (325, 15263), (330, 15275), (333, 15284), (341, 15308), (354, 15344), (356, 15350), (359, 15362), (367, 15383), (369, 15386), (371, 15395), (378, 15410), (381, 15416), (397, 15434), (402, 15449), (404, 15455), (409, 15473), (410, 15476), (417, 15491), (424, 15506), (426, 15512), (435, 15542), (440, 15560), (445, 15572), (446, 15578), (481, 15638), (485, 15650), (497, 15686), (500, 15698), (507, 15719), (527, 15773), (529, 15782), (540, 15806), (549, 15836), (578, 15941), (581, 15953), (592, 15989), (622, 16028), (631, 16067), (656, 16166), (663, 16187), (671, 16220), (679, 16250), (686, 16280), (688, 16289), (690, 16295), (698, 16310), (699, 16313), (702, 16334), (703, 16337), (718, 16379), (723, 16409), (732, 16451), (733, 16457),

Gene: Gizermo_17 Start: 14758, Stop: 16467, Start Num: 123
Candidate Starts for Gizermo_17:
(Start: 123 @14758 has 61 MA's), (186, 14875), (236, 15025), (259, 15064), (264, 15079), (292, 15148), (295, 15160), (324, 15238), (326, 15241), (376, 15373), (395, 15427), (424, 15508), (443, 15568), (445, 15574), (446, 15580), (492, 15661), (504, 15697), (531, 15733), (539, 15751), (551, 15790), (567, 15862), (577, 15886), (654, 16120), (658, 16135), (669, 16177), (691, 16270), (692, 16273), (702, 16321), (711, 16351),

Gene: Glaske_19 Start: 16273, Stop: 18009, Start Num: 107

Candidate Starts for Glaske_19:
(Start: 90 @16249 has 2 MA's), (Start: 107 @16273 has 54 MA's), (148, 16333), (159, 16354), (161, 16357), (211, 16477), (225, 16516), (235, 16549), (244, 16573), (294, 16693), (305, 16732), (307, 16738), (339, 16822), (341, 16828), (345, 16840), (354, 16864), (362, 16891), (370, 16909), (396, 16948), (397, 16954), (405, 16978), (426, 17032), (429, 17044), (432, 17053), (450, 17113), (487, 17191), (500, 17230), (511, 17263), (529, 17329), (540, 17353), (547, 17377), (555, 17407), (590, 17521), (593, 17533), (596, 17542), (616, 17551), (646, 17659), (667, 17743), (693, 17842), (725, 17950), (738, 17998),

Gene: Glexan_22 Start: 19446, Stop: 21041, Start Num: 169
Candidate Starts for Glexan_22:
(Start: 119 @19362 has 132 MA's), (Start: 169 @19446 has 49 MA's), (Start: 203 @19524 has 1 MA's), (231, 19611), (236, 19626), (259, 19674), (273, 19713), (305, 19800), (319, 19833), (333, 19869), (343, 19899), (345, 19905), (370, 19974), (399, 20004), (403, 20016), (404, 20019), (426, 20076), (483, 20208), (484, 20214), (505, 20280), (507, 20286), (513, 20310), (529, 20358), (540, 20382), (543, 20391), (562, 20466), (580, 20517), (585, 20532), (648, 20694), (654, 20721), (663, 20751), (689, 20856), (716, 20934), (723, 20970), (725, 20979), (732, 21012), (738, 21027),

Gene: GodSpeed_18 Start: 16833, Stop: 18557, Start Num: 97
Candidate Starts for GodSpeed_18:
(Start: 97 @16833 has 61 MA's), (Start: 118 @16845 has 1 MA's), (160, 16905), (215, 17040), (240, 17115), (266, 17166), (269, 17181), (284, 17211), (288, 17217), (303, 17271), (348, 17391), (404, 17487), (406, 17496), (420, 17529), (423, 17535), (435, 17574), (443, 17598), (446, 17610), (458, 17655), (463, 17661), (481, 17700), (529, 17841), (551, 17898), (561, 17946), (567, 17973), (607, 18063), (615, 18081), (653, 18228), (671, 18294), (721, 18468), (736, 18534),

Gene: GodonK_89 Start: 52336, Stop: 53952, Start Num: 126
Candidate Starts for GodonK_89:
(Start: 126 @52336 has 11 MA's), (132, 52342), (177, 52426), (205, 52495), (216, 52525), (217, 52528), (226, 52558), (240, 52597), (315, 52768), (327, 52792), (333, 52810), (339, 52828), (349, 52858), (403, 52924), (404, 52927), (416, 52960), (436, 53017), (440, 53032), (442, 53035), (443, 53038), (478, 53110), (485, 53125), (490, 53140), (497, 53161), (501, 53176), (552, 53320), (555, 53341), (559, 53356), (583, 53434), (598, 53461), (602, 53467), (628, 53527), (640, 53572), (654, 53629), (656, 53638), (663, 53659), (701, 53797), (702, 53806),

Gene: Goib_23 Start: 16480, Stop: 17808, Start Num: 209
Candidate Starts for Goib_23:
(Start: 209 @16480 has 11 MA's), (217, 16495), (275, 16639), (294, 16684), (307, 16729), (316, 16753), (329, 16783), (330, 16786), (336, 16804), (339, 16813), (347, 16837), (350, 16846), (369, 16897), (382, 16909), (448, 17002), (451, 17011), (462, 17020), (490, 17065), (498, 17083), (550, 17176), (559, 17221), (580, 17290), (589, 17311), (629, 17392), (638, 17425), (663, 17512), (672, 17548), (675, 17563), (678, 17572), (692, 17614), (701, 17653), (717, 17707), (720, 17725), (732, 17782), (735, 17791),

Gene: Goku_24 Start: 19460, Stop: 21139, Start Num: 119
Candidate Starts for Goku_24:
(Start: 119 @19460 has 132 MA's), (Start: 169 @19544 has 49 MA's), (Start: 203 @19622 has 1 MA's), (231, 19709), (236, 19724), (259, 19772), (273, 19811), (305, 19898), (319, 19931), (333, 19967), (343, 19997), (345, 20003), (370, 20072), (399, 20102), (403, 20114), (404, 20117), (426, 20174), (483, 20306), (484, 20312), (505, 20378), (507, 20384), (513, 20408), (529, 20456), (540, 20480), (543, 20489), (562, 20564), (580, 20615), (585, 20630), (648, 20792), (654, 20819), (663, 20849), (689, 20954), (716, 21032), (723, 21068), (725, 21077), (732, 21110), (738, 21125),

Gene: GoldenAsh_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for GoldenAsh_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: GoldenSpark_26 Start: 19736, Stop: 21415, Start Num: 119
Candidate Starts for GoldenSpark_26:
(Start: 119 @19736 has 132 MA's), (Start: 169 @19820 has 49 MA's), (Start: 203 @19898 has 1 MA's), (231, 19985), (236, 20000), (259, 20048), (273, 20087), (305, 20174), (319, 20207), (333, 20243), (343, 20273), (345, 20279), (370, 20348), (399, 20378), (403, 20390), (404, 20393), (426, 20450), (483, 20582), (484, 20588), (505, 20654), (507, 20660), (513, 20684), (529, 20732), (540, 20756), (543, 20765), (562, 20840), (580, 20891), (585, 20906), (648, 21068), (654, 21095), (663, 21125), (689, 21230), (716, 21308), (723, 21344), (725, 21353), (732, 21386), (738, 21401),

Gene: Goldilocks_25 Start: 19156, Stop: 20835, Start Num: 119
Candidate Starts for Goldilocks_25:
(Start: 119 @19156 has 132 MA's), (Start: 169 @19240 has 49 MA's), (Start: 203 @19318 has 1 MA's), (231, 19405), (236, 19420), (259, 19468), (273, 19507), (305, 19594), (319, 19627), (333, 19663), (343, 19693), (345, 19699), (370, 19768), (399, 19798), (403, 19810), (404, 19813), (426, 19870), (483, 20002), (484, 20008), (505, 20074), (507, 20080), (513, 20104), (529, 20152), (540, 20176), (543, 20185), (562, 20260), (580, 20311), (585, 20326), (648, 20488), (654, 20515), (663, 20545), (689, 20650), (716, 20728), (723, 20764), (725, 20773), (732, 20806), (738, 20821),

Gene: Gomashi_18 Start: 16650, Stop: 18404, Start Num: 97
Candidate Starts for Gomashi_18:
(Start: 77 @16641 has 26 MA's), (Start: 97 @16650 has 61 MA's), (Start: 103 @16656 has 1 MA's), (111, 16662), (185, 16794), (204, 16845), (215, 16875), (222, 16899), (266, 17001), (281, 17040), (284, 17046), (290, 17061), (303, 17106), (348, 17226), (386, 17283), (404, 17322), (423, 17370), (431, 17397), (435, 17409), (458, 17490), (481, 17535), (551, 17733), (556, 17763), (561, 17781), (567, 17808), (594, 17892), (607, 17910), (614, 17925), (627, 17973), (630, 17988), (648, 18051), (663, 18108), (672, 18147), (682, 18189), (701, 18240), (725, 18336), (745, 18396),

Gene: Gonephishing_32 Start: 25229, Stop: 26962, Start Num: 113
Candidate Starts for Gonephishing_32:
(Start: 113 @25229 has 31 MA's), (Start: 169 @25319 has 49 MA's), (171, 25322), (Start: 209 @25424 has 11 MA's), (231, 25490), (244, 25526), (260, 25556), (266, 25571), (296, 25655), (307, 25691), (319, 25718), (334, 25757), (345, 25790), (348, 25799), (369, 25856), (386, 25898), (422, 25973), (426, 25985), (445, 26045), (446, 26051), (470, 26099), (483, 26129), (487, 26147), (491, 26156), (501, 26189), (505, 26201), (507, 26207), (520, 26246), (540, 26303), (585, 26453), (590, 26471), (621, 26513), (627, 26537), (628, 26540), (631, 26555), (640, 26585), (648, 26615), (663, 26672), (705, 26822), (738, 26948),

Gene: GooberAzure_26 Start: 19736, Stop: 21415, Start Num: 119
Candidate Starts for GooberAzure_26:
(Start: 119 @19736 has 132 MA's), (Start: 169 @19820 has 49 MA's), (Start: 203 @19898 has 1 MA's), (231, 19985), (236, 20000), (259, 20048), (273, 20087), (305, 20174), (319, 20207), (333, 20243), (343, 20273), (345, 20279), (370, 20348), (399, 20378), (403, 20390), (404, 20393), (426, 20450), (483, 20582), (484, 20588), (505, 20654), (507, 20660), (513, 20684), (529, 20732), (540, 20756), (543, 20765), (562, 20840), (580, 20891), (585, 20906), (648, 21068), (654, 21095), (663,

21125), (689, 21230), (716, 21308), (723, 21344), (725, 21353), (732, 21386), (738, 21401),

Gene: Gorge_16 Start: 14790, Stop: 16499, Start Num: 114
Candidate Starts for Gorge_16:
(Start: 114 @14790 has 231 MA's), (171, 14877), (Start: 193 @14922 has 2 MA's), (202, 14946), (219, 15003), (234, 15051), (236, 15057), (242, 15075), (259, 15105), (299, 15210), (318, 15264), (321, 15270), (325, 15279), (333, 15300), (341, 15324), (354, 15360), (356, 15366), (367, 15399), (369, 15402), (371, 15411), (378, 15426), (381, 15432), (397, 15450), (402, 15465), (404, 15471), (409, 15489), (410, 15492), (417, 15507), (424, 15522), (426, 15528), (440, 15576), (445, 15588), (446, 15594), (447, 15600), (481, 15654), (485, 15666), (497, 15702), (500, 15714), (527, 15789), (529, 15798), (538, 15816), (540, 15822), (549, 15852), (578, 15957), (581, 15969), (592, 16005), (631, 16083), (663, 16203), (671, 16236), (679, 16266), (681, 16278), (686, 16296), (687, 16302), (688, 16305), (690, 16311), (698, 16326), (699, 16329), (702, 16350), (703, 16353), (718, 16395), (723, 16425), (732, 16467), (733, 16473),

Gene: GrandSlam_22 Start: 17878, Stop: 19584, Start Num: 130
Candidate Starts for GrandSlam_22:
(Start: 73 @17803 has 2 MA's), (Start: 130 @17878 has 17 MA's), (177, 17971), (185, 17986), (187, 17992), (215, 18067), (237, 18139), (286, 18250), (300, 18295), (305, 18313), (309, 18325), (402, 18496), (405, 18505), (406, 18511), (441, 18607), (453, 18658), (504, 18781), (516, 18820), (559, 18952), (593, 19066), (627, 19153), (656, 19267), (659, 19276), (688, 19381), (715, 19468), (745, 19576),

Gene: Gravaillia_22 Start: 17133, Stop: 18875, Start Num: 80
Candidate Starts for Gravaillia_22:
(36, 16959), (Start: 80 @17133 has 43 MA's), (Start: 87 @17142 has 18 MA's), (152, 17235), (163, 17259), (170, 17271), (177, 17292), (185, 17307), (212, 17385), (236, 17457), (272, 17547), (295, 17601), (304, 17631), (307, 17640), (315, 17661), (341, 17727), (354, 17754), (379, 17787), (398, 17805), (404, 17823), (405, 17826), (409, 17841), (410, 17844), (435, 17910), (436, 17913), (453, 17979), (473, 18003), (501, 18090), (518, 18144), (541, 18189), (543, 18195), (551, 18222), (560, 18267), (588, 18360), (591, 18369), (627, 18447), (665, 18591), (669, 18609), (672, 18621), (676, 18636), (677, 18639), (682, 18660), (702, 18720), (713, 18753), (715, 18759), (716, 18762), (729, 18828), (745, 18867),

Gene: GreaseLightnin_19 Start: 16367, Stop: 18127, Start Num: 90
Candidate Starts for GreaseLightnin_19:
(Start: 90 @16367 has 2 MA's), (Start: 107 @16391 has 54 MA's), (148, 16451), (159, 16472), (161, 16475), (211, 16595), (225, 16634), (235, 16667), (244, 16691), (294, 16811), (305, 16850), (307, 16856), (339, 16940), (341, 16946), (345, 16958), (354, 16982), (362, 17009), (370, 17027), (396, 17066), (397, 17072), (405, 17096), (426, 17150), (429, 17162), (432, 17171), (450, 17231), (487, 17309), (500, 17348), (511, 17381), (529, 17447), (537, 17462), (540, 17471), (547, 17495), (555, 17525), (559, 17537), (590, 17639), (593, 17651), (594, 17654), (596, 17660), (616, 17669), (646, 17777), (667, 17861), (693, 17960), (725, 18068), (738, 18116),

Gene: Greep_25 Start: 20150, Stop: 21745, Start Num: 169
Candidate Starts for Greep_25:
(Start: 119 @20066 has 132 MA's), (Start: 169 @20150 has 49 MA's), (Start: 203 @20228 has 1 MA's), (231, 20315), (236, 20330), (259, 20378), (273, 20417), (305, 20504), (319, 20537), (333, 20573), (343, 20603), (345, 20609), (370, 20678), (399, 20708), (403, 20720), (404, 20723), (426, 20780), (483, 20912), (484, 20918), (505, 20984), (507, 20990), (513, 21014), (529, 21062), (540, 21086), (543, 21095), (562, 21170), (580, 21221), (585, 21236), (648, 21398), (654, 21425), (663, 21455), (689, 21560), (716, 21638), (723, 21674), (725, 21683), (732, 21716), (738, 21731),

Gene: Grimmer_17 Start: 15467, Stop: 17176, Start Num: 114
Candidate Starts for Grimmer_17:
(Start: 114 @15467 has 231 MA's), (171, 15554), (Start: 193 @15599 has 2 MA's), (202, 15623), (207, 15644), (234, 15728), (236, 15734), (242, 15752), (259, 15782), (299, 15887), (321, 15947), (325, 15956), (330, 15968), (333, 15977), (339, 15995), (341, 16001), (356, 16043), (367, 16076), (371, 16088), (378, 16103), (381, 16109), (397, 16127), (402, 16142), (404, 16148), (410, 16169), (417, 16184), (418, 16187), (424, 16199), (426, 16205), (440, 16253), (445, 16265), (446, 16271), (481, 16331), (485, 16343), (497, 16379), (500, 16391), (507, 16412), (527, 16466), (529, 16475), (538, 16493), (540, 16499), (549, 16529), (578, 16634), (580, 16643), (581, 16646), (592, 16682), (622, 16721), (631, 16760), (656, 16859), (663, 16880), (671, 16913), (679, 16943), (686, 16973), (688, 16982), (690, 16988), (698, 17003), (699, 17006), (702, 17027), (703, 17030), (718, 17072), (732, 17144), (733, 17150),

Gene: Grizzly_18 Start: 16643, Stop: 18406, Start Num: 77
Candidate Starts for Grizzly_18:
(32, 16439), (Start: 77 @16643 has 26 MA's), (Start: 97 @16652 has 61 MA's), (Start: 103 @16658 has 1 MA's), (111, 16664), (160, 16742), (185, 16796), (204, 16847), (215, 16877), (222, 16901), (229, 16922), (266, 17003), (281, 17042), (284, 17048), (290, 17063), (303, 17108), (348, 17228), (386, 17285), (404, 17324), (420, 17366), (423, 17372), (431, 17399), (435, 17411), (458, 17492), (481, 17537), (497, 17585), (551, 17735), (556, 17765), (561, 17783), (567, 17810), (607, 17912), (614, 17927), (627, 17975), (630, 17990), (648, 18053), (663, 18110), (672, 18149), (682, 18191), (701, 18242), (725, 18338), (745, 18398),

Gene: GrootJr_43 Start: 30207, Stop: 31820, Start Num: 109
Candidate Starts for GrootJr_43:
(Start: 109 @30207 has 43 MA's), (Start: 141 @30243 has 1 MA's), (152, 30261), (185, 30321), (280, 30561), (287, 30573), (292, 30588), (316, 30654), (324, 30669), (332, 30693), (333, 30696), (365, 30780), (385, 30810), (387, 30813), (417, 30870), (434, 30918), (435, 30921), (442, 30942), (488, 31047), (504, 31092), (531, 31134), (583, 31308), (592, 31338), (593, 31344), (642, 31452), (643, 31455), (663, 31530), (723, 31749), (738, 31806),

Gene: Gsput1_20 Start: 15750, Stop: 17078, Start Num: 209
Candidate Starts for Gsput1_20:
(Start: 209 @15750 has 11 MA's), (218, 15768), (275, 15909), (294, 15954), (307, 15999), (336, 16074), (339, 16083), (369, 16167), (382, 16179), (448, 16272), (451, 16281), (462, 16290), (490, 16335), (498, 16353), (539, 16410), (550, 16446), (568, 16527), (581, 16563), (627, 16656), (638, 16695), (672, 16818), (687, 16869), (701, 16923), (704, 16938), (711, 16962), (714, 16968), (717, 16977), (740, 17067),

Gene: Guacamole_19 Start: 16654, Stop: 18300, Start Num: 150
Candidate Starts for Guacamole_19:
(Start: 130 @16618 has 17 MA's), (Start: 150 @16654 has 49 MA's), (199, 16756), (223, 16834), (224, 16837), (264, 16933), (278, 16972), (306, 17053), (329, 17107), (334, 17122), (426, 17293), (435, 17323), (507, 17506), (513, 17530), (514, 17533), (534, 17581), (562, 17674), (566, 17686), (582, 17731), (586, 17746), (628, 17878), (629, 17881), (654, 17980), (659, 17998), (672, 18049), (692, 18115), (709, 18178), (714, 18190),

Gene: Guanica15_23 Start: 16380, Stop: 18146, Start Num: 82
Candidate Starts for Guanica15_23:
(Start: 82 @16380 has 156 MA's), (Start: 87 @16386 has 18 MA's), (Start: 103 @16410 has 1 MA's), (Start: 193 @16569 has 2 MA's), (204, 16602), (215, 16632), (216, 16635), (225, 16665), (229, 16677), (268, 16767), (288, 16809), (309, 16881), (313, 16890), (330, 16929), (345, 16974), (355, 16995), (356, 16998), (404, 17070), (420, 17112), (423, 17118), (431, 17145), (481, 17283), (486, 17301),

(500, 17343), (506, 17361), (516, 17391), (561, 17523), (588, 17613), (628, 17718), (636, 17748), (657, 17832), (671, 17883), (701, 17982), (725, 18078), (733, 18117), (734, 18120), (745, 18138),

Gene: Gudmit_18 Start: 15558, Stop: 17267, Start Num: 123
Candidate Starts for Gudmit_18:
(Start: 109 @15543 has 43 MA's), (Start: 123 @15558 has 61 MA's), (236, 15822), (264, 15876), (292, 15945), (295, 15957), (304, 15987), (324, 16035), (367, 16161), (400, 16245), (406, 16266), (410, 16278), (424, 16308), (443, 16368), (474, 16416), (503, 16494), (531, 16533), (539, 16551), (550, 16587), (558, 16629), (568, 16665), (577, 16686), (578, 16689), (617, 16782), (658, 16935), (663, 16950), (669, 16977), (692, 17073), (702, 17121), (711, 17151), (726, 17211),

Gene: Guillsminger_21 Start: 17495, Stop: 19267, Start Num: 87
Candidate Starts for Guillsminger_21:
(Start: 87 @17495 has 18 MA's), (Start: 89 @17501 has 2 MA's), (106, 17525), (135, 17558), (160, 17606), (185, 17660), (204, 17711), (225, 17774), (269, 17882), (309, 17990), (355, 18104), (356, 18107), (384, 18146), (398, 18161), (402, 18173), (404, 18179), (420, 18221), (423, 18227), (435, 18266), (443, 18290), (481, 18392), (501, 18455), (514, 18500), (561, 18635), (591, 18734), (621, 18812), (627, 18836), (629, 18842), (632, 18857), (657, 18953), (659, 18959), (702, 19112), (728, 19217), (729, 19220), (733, 19238),

Gene: Gustav_18 Start: 15136, Stop: 16749, Start Num: 110
Candidate Starts for Gustav_18:
(Start: 110 @15136 has 31 MA's), (Start: 116 @15142 has 1 MA's), (143, 15181), (174, 15232), (175, 15235), (188, 15265), (240, 15412), (279, 15481), (317, 15586), (330, 15616), (375, 15703), (405, 15742), (422, 15784), (445, 15856), (453, 15889), (462, 15901), (485, 15940), (497, 15976), (498, 15979), (504, 16000), (517, 16042), (536, 16084), (559, 16159), (562, 16177), (566, 16189), (567, 16192), (621, 16303), (625, 16318), (627, 16327), (640, 16375), (700, 16585), (726, 16693),

Gene: HC_19 Start: 16486, Stop: 18219, Start Num: 123
Candidate Starts for HC_19:
(Start: 123 @16486 has 61 MA's), (180, 16585), (184, 16594), (208, 16660), (217, 16684), (235, 16744), (236, 16747), (247, 16774), (318, 16954), (329, 16978), (333, 16990), (341, 17014), (397, 17140), (402, 17155), (405, 17164), (418, 17200), (426, 17218), (522, 17470), (527, 17479), (540, 17512), (580, 17656), (593, 17701), (640, 17803), (642, 17812), (646, 17830), (647, 17833), (672, 17932), (686, 17992), (691, 18010), (698, 18046), (701, 18061), (716, 18109), (730, 18178),

Gene: HH92_22 Start: 17406, Stop: 19148, Start Num: 80
Candidate Starts for HH92_22:
(Start: 80 @17406 has 43 MA's), (Start: 87 @17415 has 18 MA's), (120, 17457), (152, 17508), (163, 17532), (170, 17544), (177, 17565), (185, 17580), (Start: 193 @17598 has 2 MA's), (204, 17631), (212, 17658), (236, 17730), (272, 17820), (304, 17904), (307, 17913), (315, 17934), (341, 18000), (354, 18027), (379, 18060), (398, 18078), (405, 18099), (409, 18114), (410, 18117), (435, 18183), (436, 18186), (453, 18252), (464, 18264), (472, 18273), (473, 18276), (501, 18363), (518, 18417), (541, 18462), (543, 18468), (560, 18540), (567, 18570), (578, 18597), (588, 18633), (591, 18642), (627, 18720), (665, 18864), (669, 18882), (672, 18894), (676, 18909), (677, 18912), (682, 18933), (688, 18945), (702, 18993), (713, 19026), (729, 19101), (733, 19119), (745, 19140),

Gene: HUHilltop_19 Start: 16385, Stop: 18121, Start Num: 107
Candidate Starts for HUHilltop_19:
(Start: 90 @16361 has 2 MA's), (Start: 107 @16385 has 54 MA's), (148, 16445), (159, 16466), (161, 16469), (211, 16589), (225, 16628), (235, 16661), (244, 16685), (294, 16805), (305, 16844), (307, 16850), (339, 16934), (341, 16940), (345, 16952), (354, 16976), (362, 17003), (370, 17021), (396, 17060), (397, 17066), (405, 17090), (426, 17144), (429, 17156), (432, 17165), (450, 17225), (487,

17303), (500, 17342), (511, 17375), (529, 17441), (537, 17456), (540, 17465), (547, 17489), (555, 17519), (559, 17531), (590, 17633), (593, 17645), (594, 17648), (596, 17654), (616, 17663), (646, 17771), (667, 17855), (693, 17954), (725, 18062), (738, 18110),

Gene: Hades_16 Start: 14815, Stop: 16524, Start Num: 114
Candidate Starts for Hades_16:
(Start: 114 @14815 has 231 MA's), (171, 14902), (Start: 193 @14947 has 2 MA's), (202, 14971), (234, 15076), (236, 15082), (242, 15100), (259, 15130), (299, 15235), (321, 15295), (330, 15316), (333, 15325), (341, 15349), (397, 15475), (402, 15490), (404, 15496), (417, 15532), (418, 15535), (424, 15547), (426, 15553), (440, 15601), (445, 15613), (446, 15619), (481, 15679), (485, 15691), (497, 15727), (500, 15739), (527, 15814), (529, 15823), (538, 15841), (540, 15847), (549, 15877), (578, 15982), (580, 15991), (581, 15994), (592, 16030), (631, 16108), (656, 16207), (663, 16228), (671, 16261), (679, 16291), (686, 16321), (688, 16330), (690, 16336), (698, 16351), (699, 16354), (703, 16378), (714, 16408), (718, 16420), (723, 16450), (732, 16492),

Gene: Hadrien_22 Start: 17406, Stop: 19148, Start Num: 80
Candidate Starts for Hadrien_22:
(Start: 80 @17406 has 43 MA's), (Start: 87 @17415 has 18 MA's), (120, 17457), (152, 17508), (163, 17532), (170, 17544), (177, 17565), (185, 17580), (Start: 193 @17598 has 2 MA's), (204, 17631), (212, 17658), (236, 17730), (272, 17820), (304, 17904), (307, 17913), (315, 17934), (341, 18000), (354, 18027), (379, 18060), (398, 18078), (405, 18099), (409, 18114), (410, 18117), (435, 18183), (436, 18186), (453, 18252), (464, 18264), (472, 18273), (473, 18276), (501, 18363), (518, 18417), (541, 18462), (543, 18468), (560, 18540), (567, 18570), (578, 18597), (588, 18633), (591, 18642), (627, 18720), (665, 18864), (669, 18882), (672, 18894), (676, 18909), (677, 18912), (682, 18933), (688, 18945), (702, 18993), (713, 19026), (729, 19101), (733, 19119), (745, 19140),

Gene: Hail_22 Start: 17406, Stop: 19148, Start Num: 80
Candidate Starts for Hail_22:
(Start: 80 @17406 has 43 MA's), (Start: 87 @17415 has 18 MA's), (120, 17457), (152, 17508), (163, 17532), (170, 17544), (177, 17565), (185, 17580), (Start: 193 @17598 has 2 MA's), (204, 17631), (212, 17658), (236, 17730), (272, 17820), (304, 17904), (307, 17913), (315, 17934), (341, 18000), (354, 18027), (379, 18060), (398, 18078), (405, 18099), (409, 18114), (410, 18117), (435, 18183), (436, 18186), (453, 18252), (464, 18264), (472, 18273), (473, 18276), (501, 18363), (518, 18417), (541, 18462), (543, 18468), (560, 18540), (567, 18570), (578, 18597), (588, 18633), (591, 18642), (627, 18720), (665, 18864), (669, 18882), (672, 18894), (676, 18909), (677, 18912), (682, 18933), (688, 18945), (702, 18993), (713, 19026), (729, 19101), (733, 19119), (745, 19140),

Gene: Haley23_17 Start: 14758, Stop: 16467, Start Num: 123
Candidate Starts for Haley23_17:
(Start: 123 @14758 has 61 MA's), (186, 14875), (236, 15025), (259, 15064), (264, 15079), (292, 15148), (295, 15160), (324, 15238), (326, 15241), (376, 15373), (395, 15427), (424, 15508), (443, 15568), (445, 15574), (446, 15580), (492, 15661), (504, 15697), (531, 15733), (539, 15751), (551, 15790), (567, 15862), (577, 15886), (654, 16120), (658, 16135), (669, 16177), (691, 16270), (692, 16273), (702, 16321), (711, 16351),

Gene: Halo_18 Start: 16644, Stop: 18398, Start Num: 97
Candidate Starts for Halo_18:
(Start: 77 @16635 has 26 MA's), (Start: 97 @16644 has 61 MA's), (Start: 103 @16650 has 1 MA's), (111, 16656), (185, 16788), (204, 16839), (215, 16869), (222, 16893), (266, 16995), (281, 17034), (284, 17040), (290, 17055), (303, 17100), (348, 17220), (386, 17277), (404, 17316), (423, 17364), (431, 17391), (435, 17403), (458, 17484), (481, 17529), (551, 17727), (556, 17757), (561, 17775), (567, 17802), (594, 17886), (607, 17904), (614, 17919), (627, 17967), (630, 17982), (648, 18045), (663, 18102), (672, 18141), (682, 18183), (701, 18234), (725, 18330), (745, 18390),

Gene: Hammy_22 Start: 17572, Stop: 19338, Start Num: 82
Candidate Starts for Hammy_22:
(Start: 64 @17533 has 1 MA's), (Start: 77 @17563 has 26 MA's), (Start: 82 @17572 has 156 MA's), (Start: 103 @17602 has 1 MA's), (177, 17728), (185, 17743), (204, 17794), (225, 17857), (229, 17869), (236, 17887), (268, 17959), (284, 17995), (288, 18001), (313, 18082), (348, 18175), (355, 18187), (356, 18190), (382, 18226), (404, 18262), (420, 18304), (423, 18310), (431, 18337), (443, 18373), (486, 18493), (516, 18583), (529, 18610), (547, 18655), (561, 18715), (584, 18790), (591, 18814), (617, 18874), (628, 18910), (636, 18940), (657, 19024), (671, 19075), (702, 19183), (733, 19309), (734, 19312), (745, 19330),

Gene: Hamood_22 Start: 17878, Stop: 19584, Start Num: 130
Candidate Starts for Hamood_22:
(Start: 73 @17803 has 2 MA's), (Start: 130 @17878 has 17 MA's), (177, 17971), (185, 17986), (187, 17992), (215, 18067), (237, 18139), (286, 18250), (300, 18295), (305, 18313), (309, 18325), (402, 18496), (405, 18505), (406, 18511), (441, 18607), (453, 18658), (504, 18781), (516, 18820), (559, 18952), (593, 19066), (627, 19153), (656, 19267), (659, 19276), (688, 19381), (715, 19468), (745, 19576),

Gene: Hamulus_16 Start: 14812, Stop: 16521, Start Num: 114
Candidate Starts for Hamulus_16:
(Start: 114 @14812 has 231 MA's), (171, 14899), (Start: 193 @14944 has 2 MA's), (202, 14968), (234, 15073), (236, 15079), (242, 15097), (259, 15127), (299, 15232), (321, 15292), (329, 15310), (330, 15313), (333, 15322), (339, 15340), (341, 15346), (367, 15421), (369, 15424), (397, 15472), (402, 15487), (404, 15493), (417, 15529), (418, 15532), (424, 15544), (426, 15550), (440, 15598), (445, 15610), (446, 15616), (481, 15676), (485, 15688), (497, 15724), (500, 15736), (527, 15811), (529, 15820), (538, 15838), (540, 15844), (549, 15874), (578, 15979), (580, 15988), (581, 15991), (592, 16027), (631, 16105), (656, 16204), (663, 16225), (671, 16258), (679, 16288), (686, 16318), (688, 16327), (690, 16333), (698, 16348), (699, 16351), (703, 16375), (714, 16405), (718, 16417), (723, 16447), (732, 16489),

Gene: HanKaySha_25 Start: 19488, Stop: 21167, Start Num: 119
Candidate Starts for HanKaySha_25:
(Start: 119 @19488 has 132 MA's), (Start: 169 @19572 has 49 MA's), (Start: 203 @19650 has 1 MA's), (231, 19737), (236, 19752), (259, 19800), (273, 19839), (305, 19926), (319, 19959), (333, 19995), (343, 20025), (345, 20031), (370, 20100), (399, 20130), (403, 20142), (404, 20145), (426, 20202), (483, 20334), (484, 20340), (505, 20406), (507, 20412), (513, 20436), (529, 20484), (540, 20508), (543, 20517), (562, 20592), (580, 20643), (585, 20658), (648, 20820), (654, 20847), (663, 20877), (689, 20982), (716, 21060), (723, 21096), (725, 21105), (732, 21138), (738, 21153),

Gene: Hanako_18 Start: 14993, Stop: 16702, Start Num: 119
Candidate Starts for Hanako_18:
(Start: 119 @14993 has 132 MA's), (139, 15020), (159, 15059), (Start: 193 @15125 has 2 MA's), (197, 15137), (208, 15173), (217, 15197), (225, 15224), (231, 15245), (234, 15254), (236, 15260), (252, 15293), (318, 15467), (321, 15473), (325, 15482), (329, 15491), (333, 15503), (341, 15527), (356, 15569), (367, 15602), (397, 15653), (398, 15656), (402, 15668), (417, 15710), (424, 15725), (426, 15731), (440, 15779), (460, 15833), (481, 15857), (504, 15929), (522, 15983), (527, 15992), (529, 16001), (540, 16025), (548, 16052), (549, 16055), (578, 16160), (580, 16169), (592, 16208), (632, 16289), (647, 16346), (656, 16385), (686, 16499), (698, 16529), (699, 16532), (703, 16556), (716, 16592),

Gene: Hannaconda_31 Start: 23714, Stop: 25447, Start Num: 113
Candidate Starts for Hannaconda_31:

(Start: 113 @23714 has 31 MA's), (Start: 169 @23804 has 49 MA's), (171, 23807), (Start: 209 @23909 has 11 MA's), (231, 23975), (244, 24011), (260, 24041), (266, 24056), (296, 24140), (307, 24176), (319, 24203), (334, 24242), (345, 24275), (348, 24284), (369, 24341), (386, 24383), (422, 24458), (426, 24470), (445, 24530), (470, 24584), (483, 24614), (487, 24632), (491, 24641), (501, 24674), (505, 24686), (507, 24692), (520, 24731), (540, 24788), (585, 24938), (590, 24956), (621, 24998), (627, 25022), (628, 25025), (631, 25040), (640, 25070), (648, 25100), (663, 25157), (705, 25307), (734, 25427), (738, 25433),

Gene: Hans_35 Start: 29139, Stop: 30764, Start Num: 123
Candidate Starts for Hans_35:
(Start: 123 @29139 has 61 MA's), (132, 29151), (151, 29184), (157, 29193), (164, 29205), (177, 29235), (221, 29352), (225, 29364), (262, 29439), (290, 29499), (299, 29529), (405, 29736), (416, 29766), (432, 29811), (450, 29871), (481, 29919), (504, 29991), (513, 30024), (514, 30027), (532, 30066), (546, 30105), (566, 30192), (567, 30195), (602, 30273), (628, 30333), (640, 30378), (659, 30459), (673, 30513), (701, 30609), (732, 30738), (738, 30753),

Gene: Harella_23 Start: 19962, Stop: 21557, Start Num: 169
Candidate Starts for Harella_23:
(Start: 119 @19878 has 132 MA's), (Start: 169 @19962 has 49 MA's), (Start: 203 @20040 has 1 MA's), (231, 20127), (236, 20142), (259, 20190), (273, 20229), (305, 20316), (319, 20349), (333, 20385), (343, 20415), (345, 20421), (370, 20490), (399, 20520), (403, 20532), (404, 20535), (426, 20592), (483, 20724), (484, 20730), (505, 20796), (507, 20802), (513, 20826), (529, 20874), (540, 20898), (543, 20907), (562, 20982), (580, 21033), (585, 21048), (648, 21210), (654, 21237), (663, 21267), (689, 21372), (716, 21450), (723, 21486), (725, 21495), (732, 21528), (738, 21543),

Gene: Harley_16 Start: 14800, Stop: 16509, Start Num: 114
Candidate Starts for Harley_16:
(Start: 114 @14800 has 231 MA's), (171, 14887), (Start: 193 @14932 has 2 MA's), (202, 14956), (234, 15061), (236, 15067), (242, 15085), (259, 15115), (299, 15220), (321, 15280), (330, 15301), (333, 15310), (339, 15328), (341, 15334), (356, 15376), (367, 15409), (371, 15421), (378, 15436), (381, 15442), (397, 15460), (402, 15475), (404, 15481), (410, 15502), (417, 15517), (418, 15520), (424, 15532), (426, 15538), (440, 15586), (445, 15598), (446, 15604), (481, 15664), (485, 15676), (497, 15712), (500, 15724), (507, 15745), (527, 15799), (529, 15808), (538, 15826), (540, 15832), (578, 15967), (580, 15976), (581, 15979), (592, 16015), (622, 16054), (631, 16093), (656, 16192), (663, 16213), (671, 16246), (679, 16276), (686, 16306), (687, 16312), (688, 16315), (690, 16321), (698, 16336), (699, 16339), (702, 16360), (703, 16363), (718, 16405), (732, 16477), (733, 16483),

Gene: HedwigODU_23 Start: 17157, Stop: 18923, Start Num: 82
Candidate Starts for HedwigODU_23:
(Start: 82 @17157 has 156 MA's), (Start: 103 @17187 has 1 MA's), (Start: 193 @17346 has 2 MA's), (204, 17379), (215, 17409), (225, 17442), (229, 17454), (268, 17544), (288, 17586), (309, 17658), (313, 17667), (330, 17706), (345, 17751), (355, 17772), (356, 17775), (398, 17829), (404, 17847), (420, 17889), (423, 17895), (431, 17922), (481, 18060), (486, 18078), (500, 18120), (506, 18138), (516, 18168), (529, 18195), (561, 18300), (617, 18459), (628, 18495), (636, 18525), (639, 18534), (657, 18609), (671, 18660), (701, 18759), (725, 18855), (733, 18894), (734, 18897), (745, 18915),

Gene: Heftyboy_21 Start: 17643, Stop: 19415, Start Num: 87
Candidate Starts for Heftyboy_21:
(Start: 87 @17643 has 18 MA's), (Start: 89 @17649 has 2 MA's), (106, 17673), (135, 17706), (160, 17754), (185, 17808), (204, 17859), (225, 17922), (269, 18030), (309, 18138), (355, 18252), (356, 18255), (384, 18294), (398, 18309), (402, 18321), (404, 18327), (417, 18363), (420, 18369), (423, 18375), (435, 18414), (443, 18438), (481, 18540), (501, 18603), (514, 18648), (561, 18783), (591, 18882), (621, 18960), (627, 18984), (632, 19005), (638, 19023), (657, 19101), (659, 19107), (702,

19260), (728, 19365), (729, 19368), (733, 19386),

Gene: Hegedechwinu_17 Start: 14659, Stop: 16368, Start Num: 114
Candidate Starts for Hegedechwinu_17:
(Start: 114 @14659 has 231 MA's), (171, 14746), (Start: 193 @14791 has 2 MA's), (202, 14815), (234, 14920), (236, 14926), (242, 14944), (259, 14974), (299, 15079), (321, 15139), (330, 15160), (333, 15169), (341, 15193), (397, 15319), (402, 15334), (404, 15340), (417, 15376), (418, 15379), (424, 15391), (426, 15397), (440, 15445), (445, 15457), (446, 15463), (481, 15523), (485, 15535), (497, 15571), (500, 15583), (527, 15658), (529, 15667), (538, 15685), (540, 15691), (549, 15721), (578, 15826), (580, 15835), (581, 15838), (592, 15874), (631, 15952), (656, 16051), (663, 16072), (671, 16105), (679, 16135), (686, 16165), (688, 16174), (690, 16180), (698, 16195), (699, 16198), (703, 16222), (714, 16252), (718, 16264), (723, 16294), (732, 16336),

Gene: Heinz_18 Start: 15040, Stop: 16656, Start Num: 115
Candidate Starts for Heinz_18:
(Start: 115 @15040 has 7 MA's), (175, 15139), (186, 15163), (225, 15274), (226, 15277), (233, 15295), (236, 15304), (271, 15370), (279, 15385), (284, 15394), (288, 15400), (317, 15490), (338, 15544), (341, 15553), (404, 15643), (420, 15685), (422, 15688), (436, 15733), (443, 15754), (466, 15811), (477, 15826), (481, 15832), (484, 15841), (489, 15859), (518, 15949), (523, 15964), (559, 16063), (562, 16081), (566, 16093), (580, 16132), (594, 16159), (621, 16207), (624, 16219), (627, 16231), (632, 16252), (636, 16264), (640, 16279), (648, 16309), (656, 16345), (701, 16498), (710, 16534), (725, 16594), (726, 16597), (730, 16618), (738, 16642),

Gene: Henry_24 Start: 19829, Stop: 21424, Start Num: 169
Candidate Starts for Henry_24:
(Start: 119 @19745 has 132 MA's), (Start: 169 @19829 has 49 MA's), (Start: 203 @19907 has 1 MA's), (231, 19994), (236, 20009), (259, 20057), (273, 20096), (305, 20183), (319, 20216), (333, 20252), (343, 20282), (345, 20288), (370, 20357), (399, 20387), (403, 20399), (404, 20402), (426, 20459), (483, 20591), (484, 20597), (505, 20663), (507, 20669), (513, 20693), (529, 20741), (540, 20765), (543, 20774), (562, 20849), (580, 20900), (585, 20915), (648, 21077), (654, 21104), (663, 21134), (689, 21239), (716, 21317), (723, 21353), (725, 21362), (732, 21395), (738, 21410),

Gene: Herod_19 Start: 17764, Stop: 19362, Start Num: 121
Candidate Starts for Herod_19:
(Start: 121 @17764 has 70 MA's), (247, 18022), (259, 18040), (260, 18043), (280, 18097), (306, 18172), (333, 18241), (336, 18250), (340, 18262), (357, 18313), (367, 18340), (376, 18349), (378, 18352), (425, 18385), (443, 18442), (474, 18508), (521, 18619), (539, 18643), (550, 18679), (556, 18712), (577, 18781), (593, 18838), (631, 18928), (692, 19168), (711, 19246),

Gene: Hibiscus_18 Start: 14988, Stop: 16604, Start Num: 115
Candidate Starts for Hibiscus_18:
(72, 14922), (Start: 115 @14988 has 7 MA's), (175, 15087), (186, 15111), (225, 15222), (226, 15225), (233, 15243), (236, 15252), (271, 15318), (279, 15333), (284, 15342), (288, 15348), (317, 15438), (338, 15492), (341, 15501), (404, 15591), (443, 15702), (477, 15774), (481, 15780), (484, 15789), (489, 15807), (518, 15897), (559, 16011), (562, 16029), (566, 16041), (580, 16080), (594, 16107), (621, 16155), (624, 16167), (627, 16179), (632, 16200), (636, 16212), (640, 16227), (648, 16257), (656, 16293), (701, 16446), (710, 16482), (725, 16542), (726, 16545), (730, 16566), (738, 16590),

Gene: Hidrated_37 Start: 29642, Stop: 31375, Start Num: 113
Candidate Starts for Hidrated_37:
(Start: 113 @29642 has 31 MA's), (Start: 169 @29732 has 49 MA's), (189, 29780), (244, 29939), (260, 29969), (296, 30068), (307, 30104), (308, 30110), (319, 30131), (345, 30203), (348, 30212), (356, 30233), (381, 30302), (404, 30341), (405, 30344), (409, 30359), (426, 30398), (440, 30446), (445,

30458), (446, 30464), (472, 30521), (483, 30542), (487, 30560), (503, 30608), (538, 30710), (559, 30782), (585, 30866), (588, 30878), (590, 30884), (593, 30896), (594, 30899), (624, 30938), (629, 30956), (639, 30992), (640, 30998), (663, 31085), (685, 31175), (701, 31217), (705, 31235), (715, 31265), (724, 31307), (738, 31361),

Gene: Highbury_25 Start: 19407, Stop: 21086, Start Num: 119
Candidate Starts for Highbury_25:
(Start: 119 @19407 has 132 MA's), (Start: 169 @19491 has 49 MA's), (Start: 203 @19569 has 1 MA's), (231, 19656), (236, 19671), (259, 19719), (273, 19758), (305, 19845), (319, 19878), (333, 19914), (343, 19944), (345, 19950), (370, 20019), (399, 20049), (403, 20061), (404, 20064), (426, 20121), (483, 20253), (484, 20259), (505, 20325), (507, 20331), (513, 20355), (529, 20403), (540, 20427), (543, 20436), (562, 20511), (580, 20562), (585, 20577), (648, 20739), (654, 20766), (663, 20796), (689, 20901), (716, 20979), (723, 21015), (725, 21024), (732, 21057), (738, 21072),

Gene: Hilltopfarm_24 Start: 19638, Stop: 21473, Start Num: 47
Candidate Starts for Hilltopfarm_24:
(Start: 47 @19638 has 6 MA's), (Start: 64 @19686 has 1 MA's), (68, 19695), (Start: 102 @19734 has 1 MA's), (135, 19764), (Start: 141 @19776 has 1 MA's), (160, 19812), (174, 19842), (177, 19851), (185, 19866), (204, 19917), (205, 19920), (239, 20019), (298, 20160), (315, 20211), (319, 20217), (334, 20256), (355, 20310), (404, 20379), (420, 20421), (432, 20457), (435, 20466), (457, 20544), (463, 20553), (470, 20583), (479, 20616), (481, 20619), (500, 20679), (508, 20703), (511, 20712), (541, 20781), (566, 20886), (567, 20889), (578, 20916), (642, 21099), (714, 21354), (733, 21444), (734, 21447), (736, 21450),

Gene: Hitter_19 Start: 16650, Stop: 18296, Start Num: 150
Candidate Starts for Hitter_19:
(Start: 130 @16614 has 17 MA's), (Start: 150 @16650 has 49 MA's), (199, 16752), (223, 16830), (224, 16833), (264, 16929), (278, 16968), (300, 17028), (306, 17049), (329, 17103), (334, 17118), (398, 17214), (426, 17289), (435, 17319), (507, 17502), (513, 17526), (534, 17577), (562, 17670), (566, 17682), (582, 17727), (586, 17742), (628, 17874), (629, 17877), (654, 17976), (659, 17994), (672, 18045), (692, 18111), (709, 18174), (714, 18186),

Gene: Hlubikazi_16 Start: 14904, Stop: 16613, Start Num: 114
Candidate Starts for Hlubikazi_16:
(Start: 114 @14904 has 231 MA's), (171, 14991), (Start: 193 @15036 has 2 MA's), (202, 15060), (234, 15165), (236, 15171), (242, 15189), (259, 15219), (299, 15324), (321, 15384), (330, 15405), (333, 15414), (341, 15438), (397, 15564), (402, 15579), (404, 15585), (417, 15621), (418, 15624), (424, 15636), (426, 15642), (440, 15690), (445, 15702), (446, 15708), (481, 15768), (485, 15780), (497, 15816), (500, 15828), (527, 15903), (529, 15912), (538, 15930), (540, 15936), (549, 15966), (578, 16071), (580, 16080), (581, 16083), (592, 16119), (631, 16197), (656, 16296), (663, 16317), (671, 16350), (679, 16380), (686, 16410), (688, 16419), (690, 16425), (698, 16440), (699, 16443), (703, 16467), (714, 16497), (718, 16509), (723, 16539), (732, 16581),

Gene: Holt_25 Start: 19026, Stop: 20705, Start Num: 119
Candidate Starts for Holt_25:
(Start: 119 @19026 has 132 MA's), (Start: 169 @19110 has 49 MA's), (Start: 203 @19188 has 1 MA's), (231, 19275), (236, 19290), (259, 19338), (273, 19377), (305, 19464), (319, 19497), (333, 19533), (343, 19563), (345, 19569), (370, 19638), (399, 19668), (403, 19680), (404, 19683), (426, 19740), (483, 19872), (484, 19878), (505, 19944), (507, 19950), (513, 19974), (529, 20022), (540, 20046), (543, 20055), (562, 20130), (580, 20181), (585, 20196), (648, 20358), (654, 20385), (663, 20415), (689, 20520), (716, 20598), (723, 20634), (725, 20643), (732, 20676), (738, 20691),

Gene: HomeFry_47 Start: 29293, Stop: 30912, Start Num: 109

Candidate Starts for HomeFry_47:
(Start: 109 @29293 has 43 MA's), (Start: 123 @29308 has 61 MA's), (152, 29347), (185, 29407), (187, 29413), (292, 29674), (316, 29740), (324, 29755), (365, 29866), (387, 29899), (417, 29956), (428, 29986), (434, 30004), (488, 30133), (531, 30220), (549, 30268), (550, 30271), (578, 30376), (583, 30394), (593, 30430), (643, 30541), (663, 30616), (706, 30769), (721, 30823), (723, 30835), (726, 30847), (738, 30892),

Gene: Homura_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Homura_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: Hoonter_26 Start: 19736, Stop: 21415, Start Num: 119
Candidate Starts for Hoonter_26:
(Start: 119 @19736 has 132 MA's), (Start: 169 @19820 has 49 MA's), (Start: 203 @19898 has 1 MA's), (231, 19985), (236, 20000), (259, 20048), (273, 20087), (305, 20174), (319, 20207), (333, 20243), (343, 20273), (345, 20279), (370, 20348), (399, 20378), (403, 20390), (404, 20393), (426, 20450), (483, 20582), (484, 20588), (505, 20654), (507, 20660), (513, 20684), (529, 20732), (540, 20756), (543, 20765), (562, 20840), (580, 20891), (585, 20906), (648, 21068), (654, 21095), (663, 21125), (689, 21230), (716, 21308), (723, 21344), (725, 21353), (732, 21386), (738, 21401),

Gene: Hope_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Hope_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Hopey_26 Start: 20107, Stop: 21702, Start Num: 169
Candidate Starts for Hopey_26:
(Start: 119 @20023 has 132 MA's), (Start: 169 @20107 has 49 MA's), (Start: 203 @20185 has 1 MA's), (231, 20272), (236, 20287), (259, 20335), (273, 20374), (305, 20461), (319, 20494), (333, 20530), (343, 20560), (345, 20566), (370, 20635), (399, 20665), (403, 20677), (404, 20680), (426, 20737), (483, 20869), (484, 20875), (505, 20941), (507, 20947), (513, 20971), (529, 21019), (540, 21043), (543, 21052), (562, 21127), (580, 21178), (585, 21193), (648, 21355), (654, 21382), (663, 21412), (689, 21517), (716, 21595), (723, 21631), (725, 21640), (732, 21673), (738, 21688),

Gene: Hortense_20 Start: 17902, Stop: 19482, Start Num: 121
Candidate Starts for Hortense_20:
(53, 17785), (Start: 121 @17902 has 70 MA's), (247, 18160), (260, 18181), (280, 18235), (295, 18274), (314, 18331), (324, 18352), (425, 18523), (430, 18541), (438, 18565), (445, 18586), (474, 18628), (504, 18709), (550, 18799), (561, 18850), (577, 18901), (578, 18904), (593, 18958), (631, 19048), (701, 19327), (702, 19336), (711, 19366),

Gene: Hotshotbaby7_18 Start: 16640, Stop: 18403, Start Num: 77
Candidate Starts for Hotshotbaby7_18:

(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Howe_20 Start: 17902, Stop: 19482, Start Num: 121
Candidate Starts for Howe_20:
(53, 17785), (Start: 121 @17902 has 70 MA's), (247, 18160), (260, 18181), (280, 18235), (295, 18274), (314, 18331), (324, 18352), (425, 18523), (430, 18541), (438, 18565), (445, 18586), (474, 18628), (504, 18709), (550, 18799), (561, 18850), (577, 18901), (578, 18904), (593, 18958), (631, 19048), (701, 19327), (702, 19336), (711, 19366),

Gene: HubbaBubba_39 Start: 26578, Stop: 28194, Start Num: 109
Candidate Starts for HubbaBubba_39:
(Start: 109 @26578 has 43 MA's), (Start: 118 @26587 has 1 MA's), (Start: 121 @26590 has 70 MA's), (Start: 141 @26614 has 1 MA's), (185, 26692), (259, 26875), (280, 26932), (287, 26944), (292, 26959), (316, 27025), (324, 27040), (332, 27064), (365, 27151), (368, 27157), (385, 27181), (417, 27241), (428, 27271), (435, 27292), (480, 27397), (488, 27418), (531, 27505), (549, 27553), (583, 27679), (593, 27715), (656, 27880), (662, 27898), (671, 27934), (721, 28108), (723, 28120), (738, 28177),

Gene: HufflyPuff_23 Start: 19814, Stop: 21409, Start Num: 169
Candidate Starts for HufflyPuff_23:
(Start: 119 @19730 has 132 MA's), (Start: 169 @19814 has 49 MA's), (Start: 203 @19892 has 1 MA's), (231, 19979), (236, 19994), (259, 20042), (273, 20081), (305, 20168), (319, 20201), (333, 20237), (343, 20267), (345, 20273), (370, 20342), (399, 20372), (403, 20384), (404, 20387), (426, 20444), (483, 20576), (484, 20582), (505, 20648), (507, 20654), (513, 20678), (529, 20726), (540, 20750), (543, 20759), (562, 20834), (580, 20885), (585, 20900), (648, 21062), (654, 21089), (663, 21119), (689, 21224), (716, 21302), (723, 21338), (725, 21347), (732, 21380), (738, 21395),

Gene: Huffy_24 Start: 16702, Stop: 18030, Start Num: 209
Candidate Starts for Huffy_24:
(Start: 209 @16702 has 11 MA's), (217, 16717), (265, 16831), (275, 16861), (294, 16906), (307, 16951), (330, 17008), (336, 17026), (339, 17035), (347, 17059), (349, 17065), (350, 17068), (369, 17119), (382, 17131), (433, 17173), (448, 17224), (451, 17233), (462, 17242), (490, 17287), (550, 17398), (559, 17443), (580, 17512), (589, 17533), (629, 17614), (638, 17647), (663, 17734), (672, 17770), (675, 17785), (678, 17794), (692, 17836), (717, 17929), (720, 17947), (732, 18004), (735, 18013),

Gene: Hughesyang_35 Start: 27496, Stop: 29229, Start Num: 113
Candidate Starts for Hughesyang_35:
(Start: 113 @27496 has 31 MA's), (Start: 169 @27586 has 49 MA's), (189, 27634), (202, 27664), (Start: 209 @27691 has 11 MA's), (244, 27793), (260, 27823), (296, 27922), (307, 27958), (308, 27964), (319, 27985), (345, 28057), (348, 28066), (356, 28087), (381, 28156), (404, 28195), (405, 28198), (409, 28213), (426, 28252), (440, 28300), (445, 28312), (446, 28318), (470, 28366), (472, 28375), (483, 28396), (487, 28414), (503, 28462), (538, 28564), (555, 28624), (559, 28636), (585, 28720), (588, 28732), (590, 28738), (593, 28750), (594, 28753), (624, 28792), (629, 28810), (639, 28846), (640, 28852), (663, 28939), (685, 29029), (701, 29071), (705, 29089), (715, 29119), (724, 29161), (738, 29215),

Gene: Hugley_19 Start: 17764, Stop: 19362, Start Num: 121
Candidate Starts for Hugley_19:

(Start: 121 @17764 has 70 MA's), (247, 18022), (259, 18040), (260, 18043), (280, 18097), (306, 18172), (333, 18241), (336, 18250), (340, 18262), (357, 18313), (367, 18340), (376, 18349), (378, 18352), (425, 18385), (443, 18442), (474, 18508), (521, 18619), (539, 18643), (550, 18679), (556, 18712), (577, 18781), (593, 18838), (631, 18928), (692, 19168), (711, 19246),

Gene: Hurricane_22 Start: 17587, Stop: 19350, Start Num: 82
Candidate Starts for Hurricane_22:
(Start: 77 @17578 has 26 MA's), (Start: 82 @17587 has 156 MA's), (158, 17689), (185, 17746), (204, 17797), (215, 17827), (222, 17851), (309, 18082), (313, 18091), (319, 18103), (355, 18196), (356, 18199), (404, 18271), (406, 18280), (420, 18313), (423, 18319), (435, 18358), (446, 18394), (481, 18484), (501, 18547), (535, 18634), (561, 18727), (584, 18802), (630, 18931), (638, 18955), (645, 18982), (659, 19039), (671, 19084), (701, 19186), (708, 19213), (723, 19273), (725, 19282), (729, 19303), (733, 19321), (736, 19327), (745, 19342),

Gene: Hyperbowlee_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Hyperbowlee_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: Hyzer_19 Start: 17835, Stop: 19433, Start Num: 121
Candidate Starts for Hyzer_19:
(38, 17634), (Start: 121 @17835 has 70 MA's), (247, 18093), (259, 18111), (260, 18114), (280, 18168), (306, 18243), (333, 18312), (336, 18321), (340, 18333), (357, 18384), (367, 18411), (376, 18420), (378, 18423), (425, 18456), (443, 18513), (474, 18579), (521, 18690), (539, 18714), (550, 18750), (577, 18852), (631, 18999), (692, 19239), (711, 19317),

Gene: IDyn_42 Start: 27974, Stop: 29590, Start Num: 109
Candidate Starts for IDyn_42:
(Start: 109 @27974 has 43 MA's), (Start: 121 @27986 has 70 MA's), (Start: 141 @28010 has 1 MA's), (185, 28088), (259, 28271), (280, 28328), (287, 28340), (292, 28355), (316, 28421), (324, 28436), (332, 28460), (365, 28547), (368, 28553), (385, 28577), (417, 28637), (428, 28667), (435, 28688), (480, 28793), (488, 28814), (531, 28901), (549, 28949), (583, 29075), (593, 29111), (656, 29276), (662, 29294), (671, 29330), (721, 29504), (723, 29516), (738, 29573),

Gene: IHOP_24 Start: 20006, Stop: 21601, Start Num: 169
Candidate Starts for IHOP_24:
(Start: 119 @19922 has 132 MA's), (Start: 169 @20006 has 49 MA's), (Start: 203 @20084 has 1 MA's), (231, 20171), (236, 20186), (259, 20234), (273, 20273), (305, 20360), (319, 20393), (333, 20429), (343, 20459), (345, 20465), (370, 20534), (399, 20564), (403, 20576), (404, 20579), (426, 20636), (483, 20768), (484, 20774), (505, 20840), (507, 20846), (513, 20870), (529, 20918), (540, 20942), (543, 20951), (562, 21026), (580, 21077), (585, 21092), (648, 21254), (654, 21281), (663, 21311), (689, 21416), (716, 21494), (723, 21530), (725, 21539), (732, 21572), (738, 21587),

Gene: IMpilo_16 Start: 14837, Stop: 16546, Start Num: 114
Candidate Starts for IMpilo_16:
(Start: 114 @14837 has 231 MA's), (171, 14924), (Start: 193 @14969 has 2 MA's), (202, 14993), (234, 15098), (236, 15104), (242, 15122), (259, 15152), (299, 15257), (321, 15317), (325, 15326), (329, 15335), (330, 15338), (333, 15347), (341, 15371), (367, 15446), (397, 15497), (402, 15512), (404, 15518), (417, 15554), (418, 15557), (424, 15569), (426, 15575), (440, 15623), (445, 15635), (446,

15641), (481, 15701), (485, 15713), (497, 15749), (500, 15761), (527, 15836), (529, 15845), (538, 15863), (540, 15869), (549, 15899), (578, 16004), (580, 16013), (581, 16016), (592, 16052), (631, 16130), (656, 16229), (663, 16250), (671, 16283), (679, 16313), (686, 16343), (688, 16352), (690, 16358), (698, 16373), (699, 16376), (703, 16400), (714, 16430), (718, 16442), (723, 16472), (732, 16514),

Gene: IbOuu_16 Start: 14805, Stop: 16514, Start Num: 114
Candidate Starts for IbOuu_16:
(Start: 114 @14805 has 231 MA's), (171, 14892), (Start: 193 @14937 has 2 MA's), (202, 14961), (234, 15066), (236, 15072), (242, 15090), (259, 15120), (299, 15225), (318, 15279), (321, 15285), (325, 15294), (330, 15306), (333, 15315), (341, 15339), (397, 15465), (402, 15480), (404, 15486), (417, 15522), (424, 15537), (426, 15543), (440, 15591), (445, 15603), (446, 15609), (481, 15669), (485, 15681), (497, 15717), (500, 15729), (527, 15804), (529, 15813), (538, 15831), (540, 15837), (549, 15867), (578, 15972), (580, 15981), (581, 15984), (592, 16020), (631, 16098), (656, 16197), (663, 16218), (671, 16251), (679, 16281), (686, 16311), (688, 16320), (690, 16326), (698, 16341), (699, 16344), (702, 16365), (703, 16368), (718, 16410), (723, 16440), (732, 16482),

Gene: Ibhubesi_16 Start: 14800, Stop: 16509, Start Num: 114
Candidate Starts for Ibhubesi_16:
(Start: 114 @14800 has 231 MA's), (171, 14887), (Start: 193 @14932 has 2 MA's), (202, 14956), (234, 15061), (236, 15067), (242, 15085), (259, 15115), (299, 15220), (321, 15280), (330, 15301), (333, 15310), (339, 15328), (341, 15334), (356, 15376), (367, 15409), (371, 15421), (378, 15436), (381, 15442), (397, 15460), (402, 15475), (404, 15481), (410, 15502), (417, 15517), (418, 15520), (424, 15532), (426, 15538), (440, 15586), (445, 15598), (446, 15604), (481, 15664), (485, 15676), (497, 15712), (500, 15724), (507, 15745), (527, 15799), (529, 15808), (538, 15826), (540, 15832), (578, 15967), (580, 15976), (581, 15979), (592, 16015), (622, 16054), (631, 16093), (656, 16192), (663, 16213), (671, 16246), (679, 16276), (686, 16306), (687, 16312), (688, 16315), (690, 16321), (698, 16336), (699, 16339), (702, 16360), (703, 16363), (718, 16405), (732, 16477), (733, 16483),

Gene: Icee_23 Start: 19489, Stop: 21084, Start Num: 169
Candidate Starts for Icee_23:
(Start: 119 @19405 has 132 MA's), (Start: 169 @19489 has 49 MA's), (Start: 203 @19567 has 1 MA's), (231, 19654), (236, 19669), (259, 19717), (273, 19756), (305, 19843), (319, 19876), (333, 19912), (343, 19942), (345, 19948), (370, 20017), (399, 20047), (403, 20059), (404, 20062), (426, 20119), (483, 20251), (484, 20257), (505, 20323), (507, 20329), (513, 20353), (529, 20401), (540, 20425), (543, 20434), (562, 20509), (580, 20560), (585, 20575), (648, 20737), (654, 20764), (663, 20794), (689, 20899), (716, 20977), (723, 21013), (725, 21022), (732, 21055), (738, 21070),

Gene: IdentityCrisis_17 Start: 14307, Stop: 16073, Start Num: 102
Candidate Starts for IdentityCrisis_17:
(Start: 102 @14307 has 1 MA's), (155, 14379), (195, 14460), (201, 14484), (216, 14526), (255, 14628), (264, 14652), (269, 14670), (319, 14805), (334, 14844), (388, 14949), (402, 14979), (420, 15027), (500, 15243), (550, 15375), (575, 15471), (590, 15522), (630, 15648), (632, 15654), (656, 15747), (657, 15750), (695, 15897), (700, 15912), (730, 16041), (732, 16050),

Gene: Idergollasper_56 Start: 33475, Stop: 35211, Start Num: 94
Candidate Starts for Idergollasper_56:
(Start: 89 @33466 has 2 MA's), (Start: 94 @33475 has 30 MA's), (Start: 156 @33565 has 1 MA's), (207, 33682), (219, 33718), (226, 33739), (234, 33766), (236, 33772), (261, 33826), (283, 33877), (333, 34015), (335, 34021), (352, 34072), (354, 34075), (359, 34093), (397, 34144), (404, 34165), (405, 34168), (424, 34216), (426, 34222), (440, 34270), (443, 34276), (445, 34282), (471, 34342), (481, 34366), (483, 34369), (497, 34414), (501, 34429), (504, 34438), (507, 34447), (522, 34492), (529, 34510), (543, 34543), (581, 34681), (587, 34702), (625, 34768), (632, 34798), (646, 34852),

(656, 34894), (663, 34915), (667, 34936), (671, 34948), (676, 34969), (690, 35023), (716, 35101), (723, 35137), (727, 35158), (733, 35185),

Gene: Illumine_23 Start: 17171, Stop: 18937, Start Num: 82
Candidate Starts for Illumine_23:
(Start: 82 @17171 has 156 MA's), (Start: 103 @17201 has 1 MA's), (Start: 193 @17360 has 2 MA's), (204, 17393), (215, 17423), (225, 17456), (229, 17468), (268, 17558), (284, 17594), (288, 17600), (309, 17672), (313, 17681), (330, 17720), (345, 17765), (346, 17768), (355, 17786), (356, 17789), (404, 17861), (420, 17903), (423, 17909), (431, 17936), (443, 17972), (458, 18029), (481, 18074), (486, 18092), (506, 18152), (516, 18182), (529, 18209), (561, 18314), (588, 18404), (617, 18473), (628, 18509), (636, 18539), (639, 18548), (657, 18623), (671, 18674), (701, 18773), (716, 18824), (733, 18908), (734, 18911), (745, 18929),

Gene: Imara_56 Start: 33275, Stop: 35011, Start Num: 94
Candidate Starts for Imara_56:
(Start: 89 @33266 has 2 MA's), (Start: 94 @33275 has 30 MA's), (Start: 156 @33365 has 1 MA's), (207, 33482), (219, 33518), (226, 33539), (234, 33566), (236, 33572), (261, 33626), (283, 33677), (333, 33815), (335, 33821), (352, 33872), (354, 33875), (359, 33893), (397, 33944), (404, 33965), (405, 33968), (424, 34016), (426, 34022), (440, 34070), (443, 34076), (445, 34082), (471, 34142), (481, 34166), (483, 34169), (497, 34214), (501, 34229), (504, 34238), (507, 34247), (522, 34292), (529, 34310), (543, 34343), (581, 34481), (587, 34502), (625, 34568), (632, 34598), (646, 34652), (656, 34694), (663, 34715), (667, 34736), (671, 34748), (676, 34769), (690, 34823), (716, 34901), (723, 34937), (727, 34958), (733, 34985),

Gene: Impisi_19 Start: 14993, Stop: 16702, Start Num: 119
Candidate Starts for Impisi_19:
(Start: 119 @14993 has 132 MA's), (139, 15020), (159, 15059), (Start: 193 @15125 has 2 MA's), (197, 15137), (208, 15173), (217, 15197), (225, 15224), (231, 15245), (234, 15254), (236, 15260), (252, 15293), (318, 15467), (321, 15473), (325, 15482), (329, 15491), (333, 15503), (341, 15527), (356, 15569), (367, 15602), (397, 15653), (398, 15656), (402, 15668), (417, 15710), (424, 15725), (426, 15731), (440, 15779), (460, 15833), (481, 15857), (504, 15929), (522, 15983), (527, 15992), (529, 16001), (540, 16025), (548, 16052), (549, 16055), (578, 16160), (580, 16169), (592, 16208), (632, 16289), (647, 16346), (656, 16385), (686, 16499), (698, 16529), (699, 16532), (703, 16556), (716, 16592),

Gene: InLimbo_19 Start: 15153, Stop: 16865, Start Num: 110
Candidate Starts for InLimbo_19:
(Start: 110 @15153 has 31 MA's), (Start: 122 @15165 has 1 MA's), (145, 15207), (196, 15309), (219, 15381), (250, 15462), (269, 15513), (285, 15546), (298, 15588), (300, 15594), (315, 15642), (336, 15693), (348, 15729), (396, 15771), (402, 15792), (404, 15798), (412, 15822), (431, 15873), (432, 15876), (442, 15906), (555, 16218), (575, 16284), (584, 16314), (623, 16407), (628, 16428), (630, 16440), (632, 16446), (634, 16452), (636, 16458), (649, 16512), (657, 16542), (675, 16611), (698, 16698), (700, 16704), (704, 16728), (713, 16755),

Gene: Inca_23 Start: 18509, Stop: 20104, Start Num: 169
Candidate Starts for Inca_23:
(Start: 119 @18425 has 132 MA's), (Start: 169 @18509 has 49 MA's), (Start: 203 @18587 has 1 MA's), (231, 18674), (236, 18689), (259, 18737), (273, 18776), (305, 18863), (319, 18896), (333, 18932), (343, 18962), (345, 18968), (370, 19037), (399, 19067), (403, 19079), (404, 19082), (426, 19139), (483, 19271), (484, 19277), (505, 19343), (507, 19349), (513, 19373), (529, 19421), (540, 19445), (543, 19454), (562, 19529), (580, 19580), (585, 19595), (648, 19757), (654, 19784), (663, 19814), (689, 19919), (716, 19997), (723, 20033), (725, 20042), (732, 20075), (738, 20090),

Gene: Inky_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Inky_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: Inspectinfecti_34 Start: 29501, Stop: 31126, Start Num: 123
Candidate Starts for Inspectinfecti_34:
(Start: 123 @29501 has 61 MA's), (132, 29513), (151, 29546), (157, 29555), (164, 29567), (177, 29597), (221, 29714), (225, 29726), (262, 29801), (290, 29861), (299, 29891), (405, 30098), (416, 30128), (432, 30173), (450, 30233), (481, 30281), (504, 30353), (513, 30386), (514, 30389), (532, 30428), (546, 30467), (566, 30554), (567, 30557), (602, 30635), (628, 30695), (640, 30740), (659, 30821), (673, 30875), (701, 30971), (732, 31100), (738, 31115),

Gene: Invectra_20 Start: 17703, Stop: 19283, Start Num: 121
Candidate Starts for Invectra_20:
(10, 16926), (18, 17082), (27, 17313), (28, 17316), (30, 17400), (31, 17406), (37, 17481), (41, 17532), (53, 17586), (Start: 121 @17703 has 70 MA's), (216, 17874), (247, 17961), (259, 17979), (260, 17982), (280, 18036), (295, 18075), (314, 18132), (324, 18153), (425, 18324), (430, 18342), (438, 18366), (445, 18387), (474, 18429), (504, 18510), (550, 18600), (577, 18702), (578, 18705), (593, 18759), (645, 18897), (677, 19029), (701, 19128), (702, 19137), (711, 19167),

Gene: Inventum_16 Start: 14940, Stop: 16649, Start Num: 114
Candidate Starts for Inventum_16:
(Start: 114 @14940 has 231 MA's), (171, 15027), (Start: 193 @15072 has 2 MA's), (202, 15096), (234, 15201), (236, 15207), (242, 15225), (259, 15255), (299, 15360), (321, 15420), (330, 15441), (333, 15450), (341, 15474), (397, 15600), (402, 15615), (404, 15621), (417, 15657), (418, 15660), (424, 15672), (426, 15678), (440, 15726), (445, 15738), (446, 15744), (481, 15804), (485, 15816), (497, 15852), (500, 15864), (527, 15939), (529, 15948), (538, 15966), (540, 15972), (549, 16002), (578, 16107), (581, 16119), (592, 16155), (631, 16233), (656, 16332), (663, 16353), (671, 16386), (679, 16416), (686, 16446), (688, 16455), (690, 16461), (698, 16476), (699, 16479), (702, 16500), (703, 16503), (718, 16545), (723, 16575), (732, 16617),

Gene: InvictusManeo_21 Start: 17595, Stop: 19367, Start Num: 87
Candidate Starts for InvictusManeo_21:
(Start: 87 @17595 has 18 MA's), (Start: 89 @17601 has 2 MA's), (106, 17625), (135, 17658), (160, 17706), (185, 17760), (204, 17811), (225, 17874), (269, 17982), (309, 18090), (355, 18204), (356, 18207), (384, 18246), (398, 18261), (402, 18273), (404, 18279), (417, 18315), (420, 18321), (423, 18327), (435, 18366), (443, 18390), (481, 18492), (501, 18555), (561, 18735), (591, 18834), (621, 18912), (627, 18936), (629, 18942), (638, 18975), (657, 19053), (659, 19059), (702, 19212), (728, 19317), (729, 19320), (733, 19338),

Gene: IrishSherpFalk_17 Start: 16164, Stop: 17873, Start Num: 114
Candidate Starts for IrishSherpFalk_17:
(Start: 114 @16164 has 231 MA's), (171, 16251), (Start: 193 @16296 has 2 MA's), (202, 16320), (234, 16425), (236, 16431), (242, 16449), (259, 16479), (299, 16584), (321, 16644), (330, 16665), (333, 16674), (341, 16698), (354, 16734), (356, 16740), (367, 16773), (369, 16776), (371, 16785), (378, 16800), (381, 16806), (397, 16824), (402, 16839), (404, 16845), (409, 16863), (410, 16866), (417, 16881), (424, 16896), (426, 16902), (440, 16950), (445, 16962), (446, 16968), (481, 17028), (485, 17040), (497, 17076), (500, 17088), (527, 17163), (529, 17172), (538, 17190), (540, 17196), (549,

17226), (578, 17331), (581, 17343), (592, 17379), (631, 17457), (663, 17577), (671, 17610), (679, 17640), (681, 17652), (686, 17670), (687, 17676), (688, 17679), (690, 17685), (698, 17700), (699, 17703), (702, 17724), (703, 17727), (718, 17769), (723, 17799), (732, 17841), (733, 17847),

Gene: Island3_19 Start: 16495, Stop: 18228, Start Num: 123
Candidate Starts for Island3_19:
(Start: 123 @16495 has 61 MA's), (180, 16594), (184, 16603), (208, 16669), (217, 16693), (235, 16753), (236, 16756), (247, 16783), (318, 16963), (329, 16987), (333, 16999), (341, 17023), (397, 17149), (402, 17164), (405, 17173), (418, 17209), (426, 17227), (445, 17287), (500, 17413), (522, 17479), (527, 17488), (529, 17497), (540, 17521), (580, 17665), (593, 17710), (640, 17812), (642, 17821), (646, 17839), (647, 17842), (686, 18001), (691, 18019), (698, 18055), (701, 18070), (716, 18118), (730, 18187),

Gene: JAWS_23 Start: 17142, Stop: 18908, Start Num: 82
Candidate Starts for JAWS_23:
(Start: 82 @17142 has 156 MA's), (Start: 103 @17172 has 1 MA's), (Start: 193 @17331 has 2 MA's), (204, 17364), (215, 17394), (225, 17427), (229, 17439), (268, 17529), (288, 17571), (309, 17643), (313, 17652), (330, 17691), (345, 17736), (355, 17757), (356, 17760), (398, 17814), (404, 17832), (420, 17874), (423, 17880), (431, 17907), (481, 18045), (486, 18063), (500, 18105), (506, 18123), (516, 18153), (529, 18180), (561, 18285), (617, 18444), (628, 18480), (636, 18510), (639, 18519), (657, 18594), (671, 18645), (725, 18840), (733, 18879), (734, 18882), (745, 18900),

Gene: JCole_17 Start: 14749, Stop: 16458, Start Num: 123
Candidate Starts for JCole_17:
(51, 14614), (Start: 123 @14749 has 61 MA's), (186, 14866), (210, 14938), (211, 14941), (224, 14977), (236, 15016), (247, 15037), (292, 15139), (324, 15229), (326, 15232), (376, 15364), (395, 15418), (410, 15469), (424, 15499), (443, 15559), (446, 15571), (474, 15607), (490, 15646), (504, 15688), (531, 15724), (539, 15742), (544, 15757), (551, 15781), (567, 15853), (577, 15877), (622, 15985), (654, 16111), (658, 16126), (669, 16168), (691, 16261), (692, 16264), (702, 16312), (711, 16342), (718, 16360), (719, 16372), (727, 16411),

Gene: JF1_24 Start: 18622, Stop: 20409, Start Num: 82
Candidate Starts for JF1_24:
(Start: 64 @18583 has 1 MA's), (Start: 77 @18613 has 26 MA's), (Start: 80 @18619 has 43 MA's), (Start: 82 @18622 has 156 MA's), (Start: 100 @18637 has 3 MA's), (135, 18679), (160, 18727), (177, 18766), (185, 18781), (Start: 193 @18799 has 2 MA's), (204, 18832), (215, 18862), (229, 18907), (236, 18925), (268, 18997), (269, 19003), (284, 19033), (286, 19036), (305, 19099), (309, 19111), (369, 19246), (382, 19264), (402, 19294), (404, 19300), (409, 19318), (423, 19348), (435, 19387), (481, 19513), (501, 19576), (561, 19777), (578, 19831), (591, 19876), (609, 19921), (617, 19945), (627, 19978), (636, 20011), (654, 20083), (657, 20095), (671, 20146), (672, 20152), (702, 20254), (733, 20380), (745, 20401),

Gene: Jablanski_20 Start: 17677, Stop: 19383, Start Num: 110
Candidate Starts for Jablanski_20:
(Start: 91 @17653 has 1 MA's), (Start: 110 @17677 has 31 MA's), (175, 17782), (195, 17824), (219, 17899), (264, 18013), (315, 18160), (319, 18166), (416, 18349), (442, 18424), (550, 18706), (554, 18727), (575, 18802), (623, 18925), (630, 18958), (632, 18964), (649, 19030), (657, 19060), (698, 19216), (700, 19222), (702, 19240), (730, 19351),

Gene: Jace_17 Start: 14739, Stop: 16253, Start Num: 156
Candidate Starts for Jace_17:
(35, 14448), (45, 14538), (65, 14598), (Start: 156 @14739 has 1 MA's), (176, 14781), (197, 14826), (216, 14880), (228, 14913), (249, 14964), (304, 15099), (312, 15120), (314, 15123), (324, 15144),

(342, 15198), (344, 15204), (424, 15306), (427, 15318), (433, 15336), (449, 15390), (499, 15480), (550, 15594), (578, 15696), (629, 15807), (692, 16056), (712, 16137), (716, 16146), (726, 16194),

Gene: JacoRen57_17 Start: 15449, Stop: 17296, Start Num: 54
Candidate Starts for JacoRen57_17:
(Start: 54 @15449 has 4 MA's), (Start: 141 @15563 has 1 MA's), (153, 15584), (177, 15638), (185, 15653), (205, 15707), (229, 15779), (284, 15905), (292, 15926), (304, 15968), (309, 15983), (319, 16004), (323, 16013), (339, 16058), (345, 16076), (346, 16079), (402, 16208), (404, 16214), (409, 16232), (423, 16262), (427, 16277), (446, 16337), (463, 16388), (479, 16424), (481, 16427), (523, 16556), (613, 16811), (638, 16901), (640, 16910), (654, 16967), (679, 17060), (701, 17129), (731, 17255), (733, 17264),

Gene: JalFarm20_18 Start: 15176, Stop: 16885, Start Num: 114
Candidate Starts for JalFarm20_18:
(Start: 114 @15176 has 231 MA's), (171, 15263), (Start: 193 @15308 has 2 MA's), (202, 15332), (234, 15437), (236, 15443), (242, 15461), (259, 15491), (299, 15596), (321, 15656), (330, 15677), (333, 15686), (341, 15710), (397, 15836), (402, 15851), (404, 15857), (417, 15893), (418, 15896), (424, 15908), (426, 15914), (440, 15962), (445, 15974), (446, 15980), (481, 16040), (485, 16052), (497, 16088), (500, 16100), (527, 16175), (529, 16184), (538, 16202), (540, 16208), (549, 16238), (578, 16343), (580, 16352), (581, 16355), (592, 16391), (631, 16469), (656, 16568), (663, 16589), (671, 16622), (679, 16652), (686, 16682), (688, 16691), (690, 16697), (698, 16712), (699, 16715), (703, 16739), (714, 16769), (718, 16781), (723, 16811), (732, 16853),

Gene: Jalammah_21 Start: 17444, Stop: 19090, Start Num: 150
Candidate Starts for Jalammah_21:
(Start: 130 @17408 has 17 MA's), (Start: 150 @17444 has 49 MA's), (199, 17546), (223, 17624), (224, 17627), (264, 17723), (278, 17762), (300, 17822), (306, 17843), (329, 17897), (334, 17912), (426, 18083), (435, 18113), (507, 18296), (513, 18320), (534, 18371), (562, 18464), (566, 18476), (582, 18521), (586, 18536), (628, 18668), (629, 18671), (654, 18770), (659, 18788), (672, 18839), (692, 18905), (709, 18968), (714, 18980),

Gene: Jalleen_18 Start: 14751, Stop: 16460, Start Num: 123
Candidate Starts for Jalleen_18:
(Start: 123 @14751 has 61 MA's), (186, 14868), (292, 15141), (324, 15231), (326, 15234), (395, 15420), (421, 15495), (424, 15501), (443, 15561), (446, 15573), (474, 15609), (531, 15726), (544, 15759), (551, 15783), (577, 15879), (654, 16113), (658, 16128), (669, 16170), (687, 16251), (691, 16263), (692, 16266), (702, 16314), (711, 16344),

Gene: James_16 Start: 14804, Stop: 16513, Start Num: 114
Candidate Starts for James_16:
(Start: 114 @14804 has 231 MA's), (171, 14891), (Start: 193 @14936 has 2 MA's), (202, 14960), (219, 15017), (234, 15065), (236, 15071), (242, 15089), (259, 15119), (299, 15224), (318, 15278), (321, 15284), (325, 15293), (333, 15314), (341, 15338), (354, 15374), (356, 15380), (367, 15413), (369, 15416), (371, 15425), (378, 15440), (381, 15446), (397, 15464), (402, 15479), (404, 15485), (409, 15503), (410, 15506), (417, 15521), (424, 15536), (426, 15542), (440, 15590), (445, 15602), (446, 15608), (481, 15668), (485, 15680), (497, 15716), (500, 15728), (527, 15803), (529, 15812), (538, 15830), (540, 15836), (549, 15866), (578, 15971), (581, 15983), (592, 16019), (631, 16097), (663, 16217), (671, 16250), (679, 16280), (681, 16292), (686, 16310), (687, 16316), (688, 16319), (690, 16325), (698, 16340), (699, 16343), (702, 16364), (703, 16367), (718, 16409), (723, 16439), (732, 16481), (733, 16487),

Gene: Jamie19_18 Start: 14993, Stop: 16702, Start Num: 119
Candidate Starts for Jamie19_18:

(Start: 119 @14993 has 132 MA's), (139, 15020), (159, 15059), (Start: 193 @15125 has 2 MA's), (197, 15137), (208, 15173), (217, 15197), (225, 15224), (231, 15245), (234, 15254), (236, 15260), (252, 15293), (318, 15467), (321, 15473), (325, 15482), (329, 15491), (333, 15503), (341, 15527), (356, 15569), (367, 15602), (397, 15653), (398, 15656), (402, 15668), (417, 15710), (424, 15725), (426, 15731), (440, 15779), (460, 15833), (481, 15857), (504, 15929), (522, 15983), (527, 15992), (529, 16001), (540, 16025), (548, 16052), (549, 16055), (578, 16160), (580, 16169), (592, 16208), (632, 16289), (647, 16346), (656, 16385), (686, 16499), (698, 16529), (699, 16532), (703, 16556), (716, 16592),

Gene: Jane_18 Start: 16640, Stop: 18403, Start Num: 77
Candidate Starts for Jane_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (160, 16739), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: JangDynasty_56 Start: 33561, Stop: 35297, Start Num: 94
Candidate Starts for JangDynasty_56:
(Start: 89 @33552 has 2 MA's), (Start: 94 @33561 has 30 MA's), (Start: 156 @33651 has 1 MA's), (207, 33768), (219, 33804), (226, 33825), (234, 33852), (236, 33858), (249, 33888), (261, 33912), (283, 33963), (333, 34101), (335, 34107), (352, 34158), (354, 34161), (359, 34179), (397, 34230), (404, 34251), (405, 34254), (424, 34302), (426, 34308), (440, 34356), (443, 34362), (445, 34368), (471, 34428), (481, 34452), (483, 34455), (497, 34500), (501, 34515), (504, 34524), (507, 34533), (522, 34578), (529, 34596), (543, 34629), (581, 34767), (587, 34788), (625, 34854), (632, 34884), (646, 34938), (656, 34980), (663, 35001), (667, 35022), (671, 35034), (676, 35055), (690, 35109), (716, 35187), (723, 35223), (727, 35244), (733, 35271),

Gene: Jant_16 Start: 14961, Stop: 16670, Start Num: 114
Candidate Starts for Jant_16:
(Start: 114 @14961 has 231 MA's), (171, 15048), (Start: 193 @15093 has 2 MA's), (202, 15117), (234, 15222), (236, 15228), (242, 15246), (259, 15276), (299, 15381), (321, 15441), (330, 15462), (333, 15471), (341, 15495), (397, 15621), (402, 15636), (404, 15642), (417, 15678), (418, 15681), (424, 15693), (426, 15699), (440, 15747), (445, 15759), (446, 15765), (481, 15825), (485, 15837), (497, 15873), (500, 15885), (527, 15960), (529, 15969), (538, 15987), (540, 15993), (549, 16023), (578, 16128), (580, 16137), (581, 16140), (592, 16176), (631, 16254), (656, 16353), (663, 16374), (671, 16407), (679, 16437), (686, 16467), (688, 16476), (690, 16482), (698, 16497), (699, 16500), (703, 16524), (714, 16554), (718, 16566), (723, 16596), (732, 16638),

Gene: Jarcob_16 Start: 14812, Stop: 16521, Start Num: 114
Candidate Starts for Jarcob_16:
(Start: 114 @14812 has 231 MA's), (171, 14899), (Start: 193 @14944 has 2 MA's), (202, 14968), (234, 15073), (236, 15079), (242, 15097), (259, 15127), (299, 15232), (318, 15286), (321, 15292), (325, 15301), (333, 15322), (341, 15346), (354, 15382), (356, 15388), (367, 15421), (369, 15424), (371, 15433), (378, 15448), (381, 15454), (397, 15472), (402, 15487), (404, 15493), (409, 15511), (410, 15514), (417, 15529), (424, 15544), (426, 15550), (440, 15598), (445, 15610), (446, 15616), (481, 15676), (485, 15688), (497, 15724), (500, 15736), (527, 15811), (529, 15820), (538, 15838), (540, 15844), (549, 15874), (578, 15979), (581, 15991), (592, 16027), (631, 16105), (663, 16225), (671, 16258), (679, 16288), (681, 16300), (686, 16318), (687, 16324), (688, 16327), (690, 16333), (698, 16348), (699, 16351), (702, 16372), (703, 16375), (718, 16417), (723, 16447), (732, 16489), (733, 16495),

Gene: Jarvi_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Jarvi_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: JasperJr_19 Start: 16654, Stop: 18300, Start Num: 150
Candidate Starts for JasperJr_19:
(Start: 130 @16618 has 17 MA's), (Start: 150 @16654 has 49 MA's), (199, 16756), (223, 16834), (224, 16837), (264, 16933), (278, 16972), (306, 17053), (329, 17107), (334, 17122), (426, 17293), (435, 17323), (507, 17506), (513, 17530), (514, 17533), (534, 17581), (562, 17674), (566, 17686), (582, 17731), (586, 17746), (628, 17878), (629, 17881), (654, 17980), (659, 17998), (672, 18049), (692, 18115), (709, 18178), (714, 18190),

Gene: Jayhawk_23 Start: 17155, Stop: 18921, Start Num: 82
Candidate Starts for Jayhawk_23:
(Start: 82 @17155 has 156 MA's), (Start: 103 @17185 has 1 MA's), (Start: 193 @17344 has 2 MA's), (204, 17377), (215, 17407), (225, 17440), (229, 17452), (268, 17542), (288, 17584), (309, 17656), (313, 17665), (330, 17704), (345, 17749), (355, 17770), (356, 17773), (398, 17827), (404, 17845), (420, 17887), (423, 17893), (431, 17920), (481, 18058), (486, 18076), (500, 18118), (506, 18136), (516, 18166), (529, 18193), (561, 18298), (617, 18457), (628, 18493), (636, 18523), (639, 18532), (657, 18607), (671, 18658), (701, 18757), (725, 18853), (733, 18892), (734, 18895), (745, 18913),

Gene: JeTaime_26 Start: 20631, Stop: 22226, Start Num: 169
Candidate Starts for JeTaime_26:
(Start: 119 @20547 has 132 MA's), (Start: 169 @20631 has 49 MA's), (Start: 203 @20709 has 1 MA's), (231, 20796), (236, 20811), (259, 20859), (273, 20898), (305, 20985), (319, 21018), (333, 21054), (343, 21084), (345, 21090), (370, 21159), (399, 21189), (403, 21201), (404, 21204), (426, 21261), (483, 21393), (484, 21399), (505, 21465), (507, 21471), (513, 21495), (529, 21543), (540, 21567), (543, 21576), (562, 21651), (580, 21702), (585, 21717), (648, 21879), (654, 21906), (663, 21936), (689, 22041), (716, 22119), (723, 22155), (725, 22164), (732, 22197), (738, 22212),

Gene: Jebeks_19 Start: 16370, Stop: 18106, Start Num: 107
Candidate Starts for Jebeks_19:
(Start: 90 @16346 has 2 MA's), (Start: 107 @16370 has 54 MA's), (148, 16430), (159, 16451), (161, 16454), (211, 16574), (225, 16613), (235, 16646), (244, 16670), (294, 16790), (305, 16829), (307, 16835), (339, 16919), (341, 16925), (345, 16937), (354, 16961), (362, 16988), (370, 17006), (396, 17045), (397, 17051), (405, 17075), (426, 17129), (429, 17141), (432, 17150), (450, 17210), (487, 17288), (500, 17327), (511, 17360), (529, 17426), (537, 17441), (540, 17450), (547, 17474), (555, 17504), (559, 17516), (590, 17618), (593, 17630), (594, 17633), (596, 17639), (616, 17648), (646, 17756), (667, 17840), (693, 17939), (725, 18047), (738, 18095),

Gene: Jeckyll_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Jeckyll_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: Jeilious_18 Start: 16648, Stop: 18402, Start Num: 97
Candidate Starts for Jeilious_18:
(Start: 77 @16639 has 26 MA's), (Start: 97 @16648 has 61 MA's), (Start: 103 @16654 has 1 MA's), (111, 16660), (185, 16792), (204, 16843), (215, 16873), (222, 16897), (266, 16999), (281, 17038), (284, 17044), (290, 17059), (303, 17104), (348, 17224), (386, 17281), (404, 17320), (423, 17368), (431, 17395), (435, 17407), (458, 17488), (481, 17533), (551, 17731), (556, 17761), (561, 17779), (567, 17806), (594, 17890), (607, 17908), (614, 17923), (627, 17971), (630, 17986), (648, 18049), (663, 18106), (672, 18145), (682, 18187), (701, 18238), (725, 18334), (745, 18394),

Gene: Jennelsea_16 Start: 14762, Stop: 16471, Start Num: 114
Candidate Starts for Jennelsea_16:
(Start: 114 @14762 has 231 MA's), (171, 14849), (Start: 193 @14894 has 2 MA's), (202, 14918), (234, 15023), (236, 15029), (242, 15047), (259, 15077), (299, 15182), (321, 15242), (330, 15263), (333, 15272), (341, 15296), (397, 15422), (402, 15437), (404, 15443), (417, 15479), (418, 15482), (424, 15494), (426, 15500), (440, 15548), (445, 15560), (446, 15566), (481, 15626), (485, 15638), (497, 15674), (500, 15686), (527, 15761), (529, 15770), (538, 15788), (540, 15794), (549, 15824), (578, 15929), (580, 15938), (581, 15941), (592, 15977), (631, 16055), (656, 16154), (663, 16175), (671, 16208), (679, 16238), (686, 16268), (688, 16277), (690, 16283), (698, 16298), (699, 16301), (703, 16325), (714, 16355), (718, 16367), (723, 16397), (732, 16439),

Gene: Jifall16_40 Start: 30479, Stop: 32092, Start Num: 109
Candidate Starts for Jifall16_40:
(Start: 109 @30479 has 43 MA's), (Start: 141 @30515 has 1 MA's), (152, 30533), (185, 30593), (280, 30833), (287, 30845), (292, 30860), (316, 30926), (324, 30941), (332, 30965), (333, 30968), (365, 31052), (385, 31082), (387, 31085), (417, 31142), (434, 31190), (435, 31193), (442, 31214), (488, 31319), (504, 31364), (531, 31406), (583, 31580), (592, 31610), (593, 31616), (642, 31724), (643, 31727), (663, 31802), (723, 32021), (738, 32078),

Gene: Jinglebell_15 Start: 15041, Stop: 16750, Start Num: 114
Candidate Starts for Jinglebell_15:
(Start: 114 @15041 has 231 MA's), (171, 15128), (181, 15149), (Start: 193 @15173 has 2 MA's), (202, 15197), (207, 15218), (234, 15302), (236, 15308), (242, 15326), (259, 15356), (299, 15461), (318, 15515), (321, 15521), (329, 15539), (330, 15542), (333, 15551), (341, 15575), (367, 15650), (371, 15662), (378, 15677), (381, 15683), (397, 15701), (402, 15716), (404, 15722), (414, 15749), (417, 15758), (424, 15773), (426, 15779), (440, 15827), (445, 15839), (446, 15845), (481, 15905), (485, 15917), (497, 15953), (500, 15965), (507, 15986), (527, 16040), (529, 16049), (538, 16067), (540, 16073), (549, 16103), (578, 16208), (580, 16217), (581, 16220), (592, 16256), (622, 16295), (631, 16334), (663, 16454), (671, 16487), (679, 16517), (686, 16547), (688, 16556), (690, 16562), (698, 16577), (699, 16580), (702, 16601), (703, 16604), (716, 16640), (718, 16646), (723, 16676), (732, 16718),

Gene: Job42_19 Start: 16488, Stop: 18197, Start Num: 114
Candidate Starts for Job42_19:
(Start: 114 @16488 has 231 MA's), (171, 16575), (Start: 193 @16620 has 2 MA's), (202, 16644), (234, 16749), (236, 16755), (242, 16773), (259, 16803), (299, 16908), (321, 16968), (330, 16989), (333, 16998), (341, 17022), (397, 17148), (402, 17163), (404, 17169), (417, 17205), (418, 17208), (424, 17220), (426, 17226), (440, 17274), (445, 17286), (446, 17292), (481, 17352), (485, 17364), (497, 17400), (500, 17412), (527, 17487), (529, 17496), (538, 17514), (540, 17520), (549, 17550), (578, 17655), (580, 17664), (581, 17667), (592, 17703), (631, 17781), (656, 17880), (663, 17901), (671, 17934), (679, 17964), (686, 17994), (688, 18003), (690, 18009), (698, 18024), (699, 18027), (702, 18048), (703, 18051), (714, 18081), (718, 18093), (732, 18165),

Gene: JoeyJr_16 Start: 14976, Stop: 16685, Start Num: 114
Candidate Starts for JoeyJr_16:
(Start: 114 @14976 has 231 MA's), (171, 15063), (Start: 193 @15108 has 2 MA's), (202, 15132), (234, 15237), (236, 15243), (242, 15261), (259, 15291), (299, 15396), (321, 15456), (330, 15477), (333, 15486), (341, 15510), (397, 15636), (402, 15651), (404, 15657), (417, 15693), (418, 15696), (424, 15708), (426, 15714), (440, 15762), (445, 15774), (446, 15780), (481, 15840), (485, 15852), (497, 15888), (500, 15900), (527, 15975), (529, 15984), (538, 16002), (540, 16008), (549, 16038), (578, 16143), (580, 16152), (581, 16155), (592, 16191), (631, 16269), (656, 16368), (663, 16389), (671, 16422), (679, 16452), (686, 16482), (688, 16491), (690, 16497), (698, 16512), (699, 16515), (702, 16536), (703, 16539), (718, 16581), (723, 16611), (732, 16653),

Gene: Jojo24_18 Start: 14985, Stop: 16601, Start Num: 115
Candidate Starts for Jojo24_18:
(Start: 115 @14985 has 7 MA's), (175, 15084), (186, 15108), (225, 15219), (226, 15222), (233, 15240), (236, 15249), (271, 15315), (279, 15330), (284, 15339), (288, 15345), (317, 15435), (338, 15489), (341, 15498), (404, 15588), (443, 15699), (477, 15771), (481, 15777), (484, 15786), (489, 15804), (518, 15894), (523, 15909), (555, 15993), (559, 16008), (562, 16026), (566, 16038), (594, 16104), (621, 16152), (624, 16164), (627, 16176), (632, 16197), (636, 16209), (640, 16224), (648, 16254), (656, 16290), (701, 16443), (710, 16479), (726, 16542), (730, 16563), (738, 16587), (743, 16593),

Gene: Jolene_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Jolene_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Jolie2_18 Start: 15988, Stop: 17715, Start Num: 111
Candidate Starts for Jolie2_18:
(99, 15976), (105, 15982), (111, 15988), (160, 16066), (185, 16120), (204, 16171), (215, 16201), (222, 16225), (256, 16303), (266, 16327), (284, 16372), (319, 16471), (397, 16627), (404, 16648), (406, 16657), (420, 16690), (423, 16696), (435, 16735), (445, 16765), (481, 16861), (529, 17002), (551, 17059), (561, 17107), (567, 17134), (584, 17182), (585, 17185), (601, 17224), (644, 17350), (663, 17422), (701, 17554), (726, 17653), (736, 17695),

Gene: JonJames_47 Start: 32980, Stop: 34674, Start Num: 98
Candidate Starts for JonJames_47:
(Start: 98 @32980 has 3 MA's), (146, 33046), (152, 33052), (179, 33109), (236, 33268), (240, 33280), (300, 33406), (317, 33454), (402, 33604), (422, 33655), (426, 33667), (427, 33673), (485, 33814), (490, 33829), (542, 33988), (568, 34096), (627, 34225), (629, 34231), (630, 34240), (648, 34303), (657, 34342), (660, 34351), (672, 34399), (696, 34474), (713, 34534), (724, 34582), (729, 34609), (731, 34618), (732, 34621),

Gene: Jonghyun_18 Start: 16640, Stop: 18403, Start Num: 77
Candidate Starts for Jonghyun_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: JorRay_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for JorRay_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Journey_18 Start: 14989, Stop: 16698, Start Num: 119
Candidate Starts for Journey_18:
(Start: 119 @14989 has 132 MA's), (139, 15016), (Start: 193 @15121 has 2 MA's), (197, 15133), (208, 15169), (225, 15220), (234, 15250), (236, 15256), (247, 15283), (252, 15289), (299, 15409), (318, 15463), (321, 15469), (329, 15487), (333, 15499), (334, 15502), (341, 15523), (356, 15565), (367, 15598), (397, 15649), (402, 15664), (417, 15706), (424, 15721), (426, 15727), (440, 15775), (447, 15799), (460, 15829), (481, 15853), (500, 15913), (504, 15925), (522, 15979), (527, 15988), (548, 16048), (549, 16051), (578, 16156), (580, 16165), (592, 16204), (647, 16342), (685, 16492), (686, 16495), (688, 16504), (698, 16525), (703, 16552), (716, 16588), (738, 16681),

Gene: Joy99_23 Start: 17117, Stop: 18883, Start Num: 82
Candidate Starts for Joy99_23:
(Start: 82 @17117 has 156 MA's), (Start: 103 @17147 has 1 MA's), (Start: 193 @17306 has 2 MA's), (204, 17339), (215, 17369), (225, 17402), (229, 17414), (268, 17504), (288, 17546), (309, 17618), (313, 17627), (330, 17666), (345, 17711), (355, 17732), (356, 17735), (398, 17789), (404, 17807), (420, 17849), (423, 17855), (431, 17882), (481, 18020), (486, 18038), (500, 18080), (506, 18098), (516, 18128), (529, 18155), (561, 18260), (617, 18419), (628, 18455), (636, 18485), (639, 18494), (657, 18569), (671, 18620), (725, 18815), (733, 18854), (734, 18857), (745, 18875),

Gene: JuJu_19 Start: 16575, Stop: 18221, Start Num: 150
Candidate Starts for JuJu_19:
(Start: 130 @16539 has 17 MA's), (Start: 150 @16575 has 49 MA's), (199, 16677), (223, 16755), (264, 16854), (278, 16893), (306, 16974), (329, 17028), (334, 17043), (398, 17139), (426, 17214), (435, 17244), (507, 17427), (513, 17451), (562, 17595), (566, 17607), (582, 17652), (586, 17667), (628, 17799), (629, 17802), (654, 17901), (659, 17919), (690, 18030), (692, 18036), (709, 18099), (714, 18111),

Gene: Juice456_18 Start: 15928, Stop: 17637, Start Num: 114
Candidate Starts for Juice456_18:
(Start: 114 @15928 has 231 MA's), (171, 16015), (Start: 193 @16060 has 2 MA's), (202, 16084), (234, 16189), (236, 16195), (242, 16213), (259, 16243), (299, 16348), (301, 16354), (321, 16408), (325, 16417), (330, 16429), (333, 16438), (341, 16462), (371, 16549), (378, 16564), (397, 16588), (402, 16603), (404, 16609), (417, 16645), (418, 16648), (424, 16660), (426, 16666), (440, 16714), (445, 16726), (446, 16732), (481, 16792), (485, 16804), (497, 16840), (500, 16852), (507, 16873), (527, 16927), (529, 16936), (538, 16954), (540, 16960), (549, 16990), (578, 17095), (580, 17104), (581, 17107), (592, 17143), (629, 17209), (631, 17221), (656, 17320), (663, 17341), (671, 17374), (679, 17404), (686, 17434), (688, 17443), (690, 17449), (698, 17464), (699, 17467), (703, 17491), (714, 17521), (718, 17533), (723, 17563), (732, 17605),

Gene: Juliette_24 Start: 18520, Stop: 20310, Start Num: 80
Candidate Starts for Juliette_24:
(Start: 64 @18484 has 1 MA's), (Start: 77 @18514 has 26 MA's), (Start: 80 @18520 has 43 MA's), (Start: 82 @18523 has 156 MA's), (Start: 100 @18538 has 3 MA's), (135, 18580), (160, 18628), (177,

18667), (185, 18682), (Start: 193 @18700 has 2 MA's), (204, 18733), (215, 18763), (229, 18808), (236, 18826), (268, 18898), (269, 18904), (284, 18934), (286, 18937), (305, 19000), (309, 19012), (369, 19147), (382, 19165), (402, 19195), (404, 19201), (409, 19219), (423, 19249), (435, 19288), (481, 19414), (501, 19477), (561, 19678), (578, 19732), (591, 19777), (609, 19822), (617, 19846), (627, 19879), (636, 19912), (654, 19984), (657, 19996), (671, 20047), (672, 20053), (702, 20155), (733, 20281), (745, 20302),

Gene: Jung_19 Start: 16311, Stop: 18047, Start Num: 107
Candidate Starts for Jung_19:
(Start: 90 @16287 has 2 MA's), (Start: 107 @16311 has 54 MA's), (148, 16371), (159, 16392), (161, 16395), (211, 16515), (225, 16554), (235, 16587), (244, 16611), (294, 16731), (305, 16770), (307, 16776), (339, 16860), (341, 16866), (345, 16878), (354, 16902), (362, 16929), (370, 16947), (396, 16986), (397, 16992), (405, 17016), (426, 17070), (429, 17082), (432, 17091), (450, 17151), (487, 17229), (500, 17268), (511, 17301), (529, 17367), (540, 17391), (547, 17415), (555, 17445), (590, 17559), (593, 17571), (594, 17574), (596, 17580), (616, 17589), (646, 17697), (667, 17781), (693, 17880), (725, 17988), (738, 18036),

Gene: Juniormint_19 Start: 16411, Stop: 18147, Start Num: 107
Candidate Starts for Juniormint_19:
(Start: 90 @16387 has 2 MA's), (Start: 107 @16411 has 54 MA's), (148, 16471), (159, 16492), (161, 16495), (211, 16615), (225, 16654), (235, 16687), (244, 16711), (294, 16831), (305, 16870), (307, 16876), (339, 16960), (341, 16966), (345, 16978), (354, 17002), (362, 17029), (370, 17047), (396, 17086), (397, 17092), (405, 17116), (426, 17170), (429, 17182), (432, 17191), (450, 17251), (487, 17329), (500, 17368), (511, 17401), (529, 17467), (537, 17482), (540, 17491), (547, 17515), (555, 17545), (559, 17557), (590, 17659), (593, 17671), (594, 17674), (596, 17680), (616, 17689), (646, 17797), (667, 17881), (693, 17980), (725, 18088), (738, 18136),

Gene: Juniper1_16 Start: 14801, Stop: 16510, Start Num: 114
Candidate Starts for Juniper1_16:
(Start: 114 @14801 has 231 MA's), (171, 14888), (181, 14909), (Start: 193 @14933 has 2 MA's), (202, 14957), (207, 14978), (234, 15062), (236, 15068), (242, 15086), (259, 15116), (289, 15188), (299, 15221), (318, 15275), (321, 15281), (329, 15299), (330, 15302), (333, 15311), (341, 15335), (356, 15377), (367, 15410), (371, 15422), (378, 15437), (381, 15443), (397, 15461), (402, 15476), (404, 15482), (417, 15518), (418, 15521), (424, 15533), (426, 15539), (440, 15587), (445, 15599), (446, 15605), (481, 15665), (485, 15677), (497, 15713), (500, 15725), (507, 15746), (527, 15800), (529, 15809), (538, 15827), (540, 15833), (549, 15863), (578, 15968), (580, 15977), (581, 15980), (592, 16016), (622, 16055), (631, 16094), (656, 16193), (663, 16214), (671, 16247), (679, 16277), (686, 16307), (687, 16313), (688, 16316), (690, 16322), (698, 16337), (699, 16340), (702, 16361), (703, 16364), (718, 16406), (732, 16478),

Gene: JustASigh_18 Start: 16356, Stop: 18098, Start Num: 80
Candidate Starts for JustASigh_18:
(1, 15306), (2, 15348), (3, 15354), (6, 15468), (12, 15660), (14, 15693), (17, 15771), (22, 15906), (63, 16320), (Start: 80 @16356 has 43 MA's), (146, 16446), (163, 16476), (177, 16509), (220, 16623), (258, 16722), (309, 16863), (315, 16878), (402, 17034), (404, 17040), (405, 17043), (431, 17115), (436, 17130), (441, 17145), (453, 17196), (479, 17244), (542, 17412), (600, 17604), (654, 17772), (665, 17811), (679, 17865), (688, 17895), (701, 17934), (710, 17970), (715, 17982), (727, 18042),

Gene: Kabluna_44 Start: 29561, Stop: 31177, Start Num: 109
Candidate Starts for Kabluna_44:
(Start: 109 @29561 has 43 MA's), (Start: 121 @29573 has 70 MA's), (185, 29675), (216, 29759), (292, 29942), (316, 30008), (324, 30023), (332, 30047), (365, 30134), (385, 30164), (387, 30167), (417, 30224), (442, 30296), (488, 30401), (531, 30488), (549, 30536), (583, 30662), (593, 30698), (643,

30809), (663, 30884), (714, 31061), (723, 31103), (738, 31160),

Gene: Kalah2_37 Start: 27936, Stop: 29669, Start Num: 113
Candidate Starts for Kalah2_37:
(Start: 113 @27936 has 31 MA's), (Start: 169 @28026 has 49 MA's), (189, 28074), (202, 28104), (244, 28233), (260, 28263), (296, 28362), (307, 28398), (319, 28425), (345, 28497), (348, 28506), (356, 28527), (381, 28596), (404, 28635), (405, 28638), (409, 28653), (426, 28692), (440, 28740), (445, 28752), (446, 28758), (470, 28806), (472, 28815), (483, 28836), (487, 28854), (503, 28902), (538, 29004), (555, 29064), (559, 29076), (585, 29160), (588, 29172), (590, 29178), (593, 29190), (594, 29193), (624, 29232), (629, 29250), (639, 29286), (640, 29292), (663, 29379), (685, 29469), (701, 29511), (705, 29529), (715, 29559), (724, 29601), (738, 29655),

Gene: Kanye_26 Start: 20732, Stop: 22411, Start Num: 119
Candidate Starts for Kanye_26:
(Start: 119 @20732 has 132 MA's), (Start: 169 @20816 has 49 MA's), (Start: 203 @20894 has 1 MA's), (231, 20981), (236, 20996), (259, 21044), (273, 21083), (305, 21170), (319, 21203), (333, 21239), (343, 21269), (345, 21275), (370, 21344), (399, 21374), (403, 21386), (404, 21389), (426, 21446), (483, 21578), (484, 21584), (505, 21650), (507, 21656), (513, 21680), (529, 21728), (540, 21752), (543, 21761), (562, 21836), (580, 21887), (585, 21902), (648, 22064), (654, 22091), (663, 22121), (689, 22226), (716, 22304), (723, 22340), (725, 22349), (732, 22382), (738, 22397),

Gene: KappaFarmDelta_19 Start: 16818, Stop: 18464, Start Num: 150
Candidate Starts for KappaFarmDelta_19:
(Start: 130 @16782 has 17 MA's), (Start: 150 @16818 has 49 MA's), (199, 16920), (223, 16998), (264, 17097), (278, 17136), (295, 17181), (306, 17217), (329, 17271), (334, 17286), (345, 17319), (377, 17367), (386, 17370), (426, 17457), (435, 17487), (507, 17670), (513, 17694), (562, 17838), (566, 17850), (586, 17910), (628, 18042), (629, 18045), (654, 18144), (659, 18162), (672, 18213), (690, 18273), (692, 18279), (709, 18342), (714, 18354),

Gene: Kareem_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Kareem_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Karhdo_16 Start: 14934, Stop: 16643, Start Num: 114
Candidate Starts for Karhdo_16:
(Start: 114 @14934 has 231 MA's), (171, 15021), (Start: 193 @15066 has 2 MA's), (202, 15090), (219, 15147), (234, 15195), (236, 15201), (242, 15219), (259, 15249), (299, 15354), (318, 15408), (321, 15414), (325, 15423), (330, 15435), (333, 15444), (341, 15468), (354, 15504), (356, 15510), (359, 15522), (367, 15543), (369, 15546), (371, 15555), (378, 15570), (381, 15576), (397, 15594), (402, 15609), (404, 15615), (409, 15633), (410, 15636), (417, 15651), (424, 15666), (426, 15672), (435, 15702), (440, 15720), (445, 15732), (446, 15738), (481, 15798), (485, 15810), (497, 15846), (500, 15858), (507, 15879), (527, 15933), (529, 15942), (540, 15966), (549, 15996), (578, 16101), (581, 16113), (592, 16149), (622, 16188), (631, 16227), (656, 16326), (663, 16347), (671, 16380), (679, 16410), (686, 16440), (688, 16449), (690, 16455), (698, 16470), (699, 16473), (702, 16494), (703, 16497), (718, 16539), (723, 16569), (732, 16611), (733, 16617),

Gene: Kari_19 Start: 16385, Stop: 18121, Start Num: 107
Candidate Starts for Kari_19:

(Start: 90 @16361 has 2 MA's), (Start: 107 @16385 has 54 MA's), (148, 16445), (159, 16466), (161, 16469), (211, 16589), (225, 16628), (235, 16661), (244, 16685), (294, 16805), (305, 16844), (307, 16850), (339, 16934), (341, 16940), (345, 16952), (354, 16976), (362, 17003), (370, 17021), (396, 17060), (397, 17066), (405, 17090), (426, 17144), (429, 17156), (432, 17165), (450, 17225), (487, 17303), (500, 17342), (511, 17375), (529, 17441), (537, 17456), (540, 17465), (547, 17489), (555, 17519), (559, 17531), (590, 17633), (593, 17645), (594, 17648), (596, 17654), (616, 17663), (646, 17771), (667, 17855), (693, 17954), (725, 18062), (738, 18110),

Gene: Kasen3_18 Start: 16641, Stop: 18404, Start Num: 77
Candidate Starts for Kasen3_18:
(Start: 77 @16641 has 26 MA's), (Start: 97 @16650 has 61 MA's), (Start: 103 @16656 has 1 MA's), (111, 16662), (185, 16794), (204, 16845), (215, 16875), (222, 16899), (266, 17001), (281, 17040), (284, 17046), (290, 17061), (303, 17106), (348, 17226), (386, 17283), (404, 17322), (423, 17370), (431, 17397), (435, 17409), (458, 17490), (481, 17535), (551, 17733), (556, 17763), (561, 17781), (567, 17808), (594, 17892), (607, 17910), (614, 17925), (627, 17973), (630, 17988), (648, 18051), (663, 18108), (672, 18147), (682, 18189), (701, 18240), (725, 18336), (745, 18396),

Gene: KashFlow_28 Start: 23344, Stop: 25077, Start Num: 113
Candidate Starts for KashFlow_28:
(Start: 113 @23344 has 31 MA's), (Start: 169 @23434 has 49 MA's), (171, 23437), (Start: 209 @23539 has 11 MA's), (231, 23605), (244, 23641), (260, 23671), (266, 23686), (296, 23770), (307, 23806), (319, 23833), (334, 23872), (345, 23905), (348, 23914), (369, 23971), (386, 24013), (422, 24088), (426, 24100), (445, 24160), (470, 24214), (483, 24244), (487, 24262), (491, 24271), (501, 24304), (505, 24316), (507, 24322), (520, 24361), (540, 24418), (585, 24568), (590, 24586), (621, 24628), (627, 24652), (628, 24655), (631, 24670), (640, 24700), (648, 24730), (663, 24787), (705, 24937), (734, 25057), (738, 25063),

Gene: Kenuha5_16 Start: 14929, Stop: 16638, Start Num: 114
Candidate Starts for Kenuha5_16:
(Start: 114 @14929 has 231 MA's), (171, 15016), (Start: 193 @15061 has 2 MA's), (202, 15085), (234, 15190), (236, 15196), (242, 15214), (259, 15244), (299, 15349), (321, 15409), (330, 15430), (333, 15439), (341, 15463), (356, 15505), (367, 15538), (371, 15550), (378, 15565), (381, 15571), (397, 15589), (402, 15604), (404, 15610), (417, 15646), (418, 15649), (424, 15661), (426, 15667), (428, 15676), (440, 15715), (445, 15727), (446, 15733), (481, 15793), (485, 15805), (497, 15841), (500, 15853), (527, 15928), (529, 15937), (538, 15955), (540, 15961), (549, 15991), (578, 16096), (580, 16105), (581, 16108), (592, 16144), (631, 16222), (663, 16342), (679, 16405), (686, 16435), (688, 16444), (690, 16450), (698, 16465), (699, 16468), (703, 16492), (714, 16522), (718, 16534), (732, 16606),

Gene: Keshu_22 Start: 17579, Stop: 19342, Start Num: 82
Candidate Starts for Keshu_22:
(Start: 77 @17570 has 26 MA's), (Start: 82 @17579 has 156 MA's), (158, 17681), (185, 17738), (204, 17789), (215, 17819), (222, 17843), (309, 18074), (313, 18083), (319, 18095), (355, 18188), (356, 18191), (404, 18263), (406, 18272), (420, 18305), (423, 18311), (435, 18350), (446, 18386), (481, 18476), (501, 18539), (535, 18626), (561, 18719), (584, 18794), (617, 18875), (630, 18923), (638, 18947), (645, 18974), (659, 19031), (671, 19076), (701, 19178), (708, 19205), (723, 19265), (725, 19274), (729, 19295), (733, 19313), (736, 19319), (745, 19334),

Gene: Kevin1_18 Start: 14957, Stop: 16666, Start Num: 119
Candidate Starts for Kevin1_18:
(Start: 119 @14957 has 132 MA's), (139, 14984), (Start: 193 @15089 has 2 MA's), (197, 15101), (208, 15137), (225, 15188), (231, 15209), (234, 15218), (236, 15224), (244, 15245), (252, 15257), (318, 15431), (321, 15437), (329, 15455), (333, 15467), (334, 15470), (341, 15491), (367, 15566), (378,

15593), (397, 15617), (398, 15620), (402, 15632), (417, 15674), (424, 15689), (426, 15695), (428, 15704), (440, 15743), (460, 15797), (481, 15821), (500, 15881), (522, 15947), (527, 15956), (529, 15965), (548, 16016), (549, 16019), (578, 16124), (592, 16172), (629, 16238), (647, 16310), (686, 16463), (688, 16472), (698, 16493), (701, 16508), (703, 16520), (716, 16556), (718, 16562),

Gene: Kheparia_25 Start: 17112, Stop: 18878, Start Num: 82
Candidate Starts for Kheparia_25:
(Start: 82 @17112 has 156 MA's), (Start: 103 @17142 has 1 MA's), (Start: 193 @17301 has 2 MA's), (204, 17334), (215, 17364), (225, 17397), (229, 17409), (268, 17499), (288, 17541), (309, 17613), (313, 17622), (330, 17661), (345, 17706), (348, 17715), (356, 17730), (404, 17802), (420, 17844), (423, 17850), (431, 17877), (481, 18015), (486, 18033), (500, 18075), (506, 18093), (516, 18123), (529, 18150), (561, 18255), (628, 18450), (636, 18480), (639, 18489), (657, 18564), (671, 18615), (701, 18714), (716, 18765), (725, 18810), (733, 18849), (734, 18852), (745, 18870),

Gene: KiSi_22 Start: 16322, Stop: 18085, Start Num: 80
Candidate Starts for KiSi_22:
(Start: 64 @16286 has 1 MA's), (Start: 77 @16316 has 26 MA's), (Start: 80 @16322 has 43 MA's), (Start: 103 @16349 has 1 MA's), (128, 16376), (185, 16490), (204, 16541), (225, 16604), (268, 16706), (269, 16712), (298, 16784), (309, 16820), (313, 16829), (330, 16868), (346, 16916), (355, 16934), (382, 16973), (384, 16976), (398, 16991), (402, 17003), (404, 17009), (420, 17051), (423, 17057), (431, 17084), (481, 17222), (486, 17240), (491, 17252), (516, 17330), (547, 17402), (551, 17414), (561, 17462), (584, 17537), (617, 17621), (627, 17654), (629, 17660), (636, 17687), (657, 17771), (659, 17777), (671, 17822), (672, 17828), (701, 17921), (725, 18017), (745, 18077),

Gene: KidneyBean_41 Start: 30603, Stop: 32216, Start Num: 109
Candidate Starts for KidneyBean_41:
(Start: 109 @30603 has 43 MA's), (Start: 141 @30639 has 1 MA's), (152, 30657), (185, 30717), (280, 30957), (287, 30969), (292, 30984), (316, 31050), (324, 31065), (332, 31089), (333, 31092), (365, 31176), (385, 31206), (387, 31209), (417, 31266), (434, 31314), (435, 31317), (442, 31338), (488, 31443), (504, 31488), (531, 31530), (583, 31704), (592, 31734), (593, 31740), (642, 31848), (643, 31851), (663, 31926), (723, 32145), (738, 32202),

Gene: KilKor_19 Start: 16273, Stop: 18009, Start Num: 107
Candidate Starts for KilKor_19:
(Start: 90 @16249 has 2 MA's), (Start: 107 @16273 has 54 MA's), (148, 16333), (159, 16354), (161, 16357), (211, 16477), (225, 16516), (235, 16549), (244, 16573), (294, 16693), (305, 16732), (307, 16738), (339, 16822), (341, 16828), (345, 16840), (354, 16864), (362, 16891), (370, 16909), (396, 16948), (397, 16954), (405, 16978), (426, 17032), (429, 17044), (432, 17053), (450, 17113), (487, 17191), (500, 17230), (511, 17263), (529, 17329), (540, 17353), (547, 17377), (555, 17407), (590, 17521), (593, 17533), (596, 17542), (616, 17551), (646, 17659), (667, 17743), (693, 17842), (725, 17950), (738, 17998),

Gene: Kimberlium_18 Start: 15928, Stop: 17637, Start Num: 114
Candidate Starts for Kimberlium_18:
(Start: 114 @15928 has 231 MA's), (171, 16015), (Start: 193 @16060 has 2 MA's), (202, 16084), (234, 16189), (236, 16195), (242, 16213), (259, 16243), (299, 16348), (301, 16354), (321, 16408), (325, 16417), (330, 16429), (333, 16438), (341, 16462), (371, 16549), (378, 16564), (397, 16588), (402, 16603), (404, 16609), (417, 16645), (418, 16648), (424, 16660), (426, 16666), (440, 16714), (445, 16726), (446, 16732), (481, 16792), (485, 16804), (497, 16840), (500, 16852), (507, 16873), (527, 16927), (529, 16936), (538, 16954), (540, 16960), (549, 16990), (578, 17095), (580, 17104), (581, 17107), (592, 17143), (629, 17209), (631, 17221), (656, 17320), (663, 17341), (671, 17374), (679, 17404), (686, 17434), (688, 17443), (690, 17449), (698, 17464), (699, 17467), (703, 17491), (714, 17521), (718, 17533), (723, 17563), (732, 17605),

Gene: Kimchi_26 Start: 19739, Stop: 21418, Start Num: 119
Candidate Starts for Kimchi_26:
(Start: 119 @19739 has 132 MA's), (Start: 169 @19823 has 49 MA's), (Start: 203 @19901 has 1 MA's), (231, 19988), (236, 20003), (259, 20051), (273, 20090), (305, 20177), (319, 20210), (333, 20246), (343, 20276), (345, 20282), (370, 20351), (399, 20381), (403, 20393), (404, 20396), (426, 20453), (483, 20585), (484, 20591), (505, 20657), (507, 20663), (513, 20687), (529, 20735), (540, 20759), (543, 20768), (562, 20843), (580, 20894), (585, 20909), (648, 21071), (654, 21098), (663, 21128), (689, 21233), (716, 21311), (723, 21347), (725, 21356), (732, 21389), (738, 21404),

Gene: Kimchi1738_31 Start: 27570, Stop: 29168, Start Num: 117
Candidate Starts for Kimchi1738_31:
(Start: 117 @27570 has 8 MA's), (187, 27669), (212, 27738), (226, 27777), (278, 27912), (301, 27972), (368, 28125), (379, 28137), (383, 28146), (385, 28149), (411, 28194), (417, 28209), (422, 28218), (425, 28227), (442, 28281), (447, 28299), (476, 28353), (559, 28569), (587, 28662), (637, 28770), (650, 28824), (670, 28899), (704, 29028), (737, 29154),

Gene: Kinbote_22 Start: 17406, Stop: 19148, Start Num: 80
Candidate Starts for Kinbote_22:
(Start: 80 @17406 has 43 MA's), (Start: 87 @17415 has 18 MA's), (120, 17457), (152, 17508), (163, 17532), (170, 17544), (177, 17565), (185, 17580), (Start: 193 @17598 has 2 MA's), (204, 17631), (212, 17658), (236, 17730), (272, 17820), (304, 17904), (307, 17913), (315, 17934), (341, 18000), (354, 18027), (379, 18060), (398, 18078), (405, 18099), (409, 18114), (410, 18117), (435, 18183), (436, 18186), (453, 18252), (464, 18264), (472, 18273), (473, 18276), (501, 18363), (518, 18417), (541, 18462), (543, 18468), (560, 18540), (567, 18570), (578, 18597), (588, 18633), (591, 18642), (627, 18720), (665, 18864), (669, 18882), (672, 18894), (676, 18909), (677, 18912), (682, 18933), (688, 18945), (702, 18993), (713, 19026), (729, 19101), (733, 19119), (745, 19140),

Gene: KingJulian_16 Start: 14843, Stop: 16552, Start Num: 114
Candidate Starts for KingJulian_16:
(Start: 114 @14843 has 231 MA's), (171, 14930), (Start: 193 @14975 has 2 MA's), (202, 14999), (234, 15104), (236, 15110), (242, 15128), (259, 15158), (299, 15263), (321, 15323), (330, 15344), (333, 15353), (339, 15371), (341, 15377), (397, 15503), (402, 15518), (404, 15524), (417, 15560), (418, 15563), (424, 15575), (426, 15581), (440, 15629), (445, 15641), (446, 15647), (481, 15707), (485, 15719), (497, 15755), (500, 15767), (527, 15842), (529, 15851), (538, 15869), (540, 15875), (549, 15905), (578, 16010), (580, 16019), (581, 16022), (592, 16058), (631, 16136), (656, 16235), (663, 16256), (671, 16289), (679, 16319), (686, 16349), (688, 16358), (690, 16364), (698, 16379), (699, 16382), (703, 16406), (714, 16436), (718, 16448), (723, 16478), (732, 16520),

Gene: KingMidas_17 Start: 16108, Stop: 17817, Start Num: 114
Candidate Starts for KingMidas_17:
(Start: 114 @16108 has 231 MA's), (171, 16195), (Start: 193 @16240 has 2 MA's), (202, 16264), (234, 16369), (236, 16375), (242, 16393), (259, 16423), (299, 16528), (321, 16588), (325, 16597), (333, 16618), (341, 16642), (354, 16678), (356, 16684), (367, 16717), (369, 16720), (371, 16729), (378, 16744), (381, 16750), (397, 16768), (402, 16783), (404, 16789), (409, 16807), (410, 16810), (417, 16825), (418, 16828), (424, 16840), (426, 16846), (440, 16894), (445, 16906), (446, 16912), (481, 16972), (485, 16984), (497, 17020), (500, 17032), (527, 17107), (529, 17116), (538, 17134), (540, 17140), (549, 17170), (578, 17275), (580, 17284), (581, 17287), (592, 17323), (631, 17401), (656, 17500), (663, 17521), (671, 17554), (679, 17584), (681, 17596), (686, 17614), (687, 17620), (688, 17623), (690, 17629), (698, 17644), (699, 17647), (702, 17668), (703, 17671), (718, 17713), (732, 17785), (733, 17791),

Gene: KingPhillip3_56 Start: 33490, Stop: 35226, Start Num: 94

Candidate Starts for KingPhillip3_56:
(Start: 89 @33481 has 2 MA's), (Start: 94 @33490 has 30 MA's), (Start: 156 @33580 has 1 MA's), (207, 33697), (219, 33733), (226, 33754), (234, 33781), (236, 33787), (249, 33817), (261, 33841), (283, 33892), (333, 34030), (335, 34036), (352, 34087), (354, 34090), (359, 34108), (397, 34159), (404, 34180), (405, 34183), (424, 34231), (426, 34237), (440, 34285), (443, 34291), (445, 34297), (471, 34357), (481, 34381), (483, 34384), (497, 34429), (501, 34444), (504, 34453), (507, 34462), (522, 34507), (529, 34525), (543, 34558), (581, 34696), (587, 34717), (625, 34783), (632, 34813), (646, 34867), (656, 34909), (663, 34930), (667, 34951), (671, 34963), (676, 34984), (690, 35038), (716, 35116), (723, 35152), (727, 35173), (733, 35200),

Gene: Kingsley_17 Start: 14662, Stop: 16371, Start Num: 114
Candidate Starts for Kingsley_17:
(Start: 114 @14662 has 231 MA's), (171, 14749), (Start: 193 @14794 has 2 MA's), (202, 14818), (234, 14923), (236, 14929), (242, 14947), (259, 14977), (299, 15082), (321, 15142), (330, 15163), (333, 15172), (341, 15196), (397, 15322), (402, 15337), (404, 15343), (417, 15379), (418, 15382), (424, 15394), (426, 15400), (440, 15448), (445, 15460), (446, 15466), (481, 15526), (485, 15538), (497, 15574), (500, 15586), (527, 15661), (529, 15670), (538, 15688), (540, 15694), (549, 15724), (578, 15829), (580, 15838), (581, 15841), (592, 15877), (631, 15955), (656, 16054), (663, 16075), (671, 16108), (679, 16138), (686, 16168), (688, 16177), (690, 16183), (698, 16198), (699, 16201), (703, 16225), (714, 16255), (718, 16267), (723, 16297), (732, 16339),

Gene: Kita_19 Start: 17773, Stop: 19371, Start Num: 121
Candidate Starts for Kita_19:
(Start: 121 @17773 has 70 MA's), (240, 18022), (247, 18031), (259, 18049), (260, 18052), (280, 18106), (306, 18181), (333, 18250), (336, 18259), (340, 18271), (357, 18322), (367, 18349), (376, 18358), (378, 18361), (424, 18391), (425, 18394), (443, 18451), (474, 18517), (503, 18595), (521, 18628), (539, 18652), (550, 18688), (577, 18790), (593, 18847), (619, 18892), (622, 18898), (631, 18937), (692, 19177), (711, 19255),

Gene: Klein_37 Start: 26895, Stop: 28893, Start Num: 113
Candidate Starts for Klein_37:
(Start: 113 @26895 has 31 MA's), (Start: 169 @26985 has 49 MA's), (189, 27033), (202, 27063), (Start: 209 @27090 has 11 MA's), (244, 27192), (260, 27222), (296, 27321), (307, 27357), (308, 27363), (319, 27384), (345, 27456), (348, 27465), (356, 27486), (404, 27594), (405, 27597), (409, 27612), (426, 27651), (440, 27699), (445, 27711), (446, 27717), (470, 27765), (472, 27774), (483, 27795), (487, 27813), (503, 27861), (538, 27963), (559, 28035), (569, 28080), (570, 28092), (571, 28227), (572, 28233), (573, 28257), (574, 28329), (576, 28356), (664, 28605),

Gene: Koella_16 Start: 14774, Stop: 16483, Start Num: 114
Candidate Starts for Koella_16:
(Start: 114 @14774 has 231 MA's), (171, 14861), (Start: 193 @14906 has 2 MA's), (202, 14930), (234, 15035), (236, 15041), (242, 15059), (259, 15089), (299, 15194), (321, 15254), (330, 15275), (333, 15284), (341, 15308), (397, 15434), (402, 15449), (404, 15455), (417, 15491), (418, 15494), (424, 15506), (426, 15512), (440, 15560), (445, 15572), (446, 15578), (481, 15638), (485, 15650), (497, 15686), (500, 15698), (527, 15773), (529, 15782), (538, 15800), (540, 15806), (549, 15836), (578, 15941), (580, 15950), (581, 15953), (592, 15989), (631, 16067), (656, 16166), (663, 16187), (671, 16220), (679, 16250), (686, 16280), (688, 16289), (690, 16295), (698, 16310), (699, 16313), (703, 16337), (714, 16367), (718, 16379), (723, 16409), (732, 16451),

Gene: Kostya_24 Start: 19745, Stop: 21424, Start Num: 119
Candidate Starts for Kostya_24:
(Start: 119 @19745 has 132 MA's), (Start: 169 @19829 has 49 MA's), (Start: 203 @19907 has 1 MA's), (231, 19994), (236, 20009), (259, 20057), (273, 20096), (305, 20183), (319, 20216), (333,

20252), (343, 20282), (345, 20288), (370, 20357), (399, 20387), (403, 20399), (404, 20402), (426, 20459), (483, 20591), (484, 20597), (505, 20663), (507, 20669), (513, 20693), (529, 20741), (540, 20765), (543, 20774), (562, 20849), (580, 20900), (585, 20915), (648, 21077), (654, 21104), (663, 21134), (689, 21239), (716, 21317), (723, 21353), (725, 21362), (732, 21395), (738, 21410),

Gene: Krakatau_17 Start: 15504, Stop: 17213, Start Num: 114
Candidate Starts for Krakatau_17:
(Start: 114 @15504 has 231 MA's), (171, 15591), (Start: 193 @15636 has 2 MA's), (202, 15660), (234, 15765), (236, 15771), (242, 15789), (259, 15819), (299, 15924), (321, 15984), (330, 16005), (333, 16014), (341, 16038), (397, 16164), (402, 16179), (404, 16185), (417, 16221), (418, 16224), (424, 16236), (426, 16242), (440, 16290), (445, 16302), (446, 16308), (481, 16368), (485, 16380), (497, 16416), (500, 16428), (527, 16503), (529, 16512), (538, 16530), (540, 16536), (549, 16566), (578, 16671), (580, 16680), (581, 16683), (592, 16719), (631, 16797), (656, 16896), (663, 16917), (671, 16950), (679, 16980), (686, 17010), (688, 17019), (690, 17025), (698, 17040), (699, 17043), (703, 17067), (714, 17097), (718, 17109), (723, 17139), (732, 17181),

Gene: Kratio_20 Start: 17226, Stop: 18998, Start Num: 87
Candidate Starts for Kratio_20:
(Start: 87 @17226 has 18 MA's), (Start: 89 @17232 has 2 MA's), (106, 17256), (135, 17289), (160, 17337), (185, 17391), (204, 17442), (225, 17505), (269, 17613), (309, 17721), (355, 17835), (356, 17838), (384, 17877), (398, 17892), (402, 17904), (404, 17910), (417, 17946), (420, 17952), (423, 17958), (435, 17997), (443, 18021), (481, 18123), (501, 18186), (561, 18366), (591, 18465), (621, 18543), (627, 18567), (629, 18573), (638, 18606), (657, 18684), (659, 18690), (702, 18843), (728, 18948), (729, 18951), (733, 18969),

Gene: Kraw_24 Start: 18546, Stop: 20333, Start Num: 82
Candidate Starts for Kraw_24:
(Start: 64 @18507 has 1 MA's), (Start: 77 @18537 has 26 MA's), (Start: 80 @18543 has 43 MA's), (Start: 82 @18546 has 156 MA's), (Start: 100 @18561 has 3 MA's), (135, 18603), (160, 18651), (177, 18690), (185, 18705), (Start: 193 @18723 has 2 MA's), (204, 18756), (215, 18786), (229, 18831), (236, 18849), (268, 18921), (269, 18927), (284, 18957), (286, 18960), (305, 19023), (309, 19035), (369, 19170), (382, 19188), (402, 19218), (404, 19224), (409, 19242), (423, 19272), (435, 19311), (481, 19437), (501, 19500), (561, 19701), (578, 19755), (591, 19800), (609, 19845), (617, 19869), (627, 19902), (636, 19935), (654, 20007), (657, 20019), (671, 20070), (672, 20076), (702, 20178), (733, 20304), (745, 20325),

Gene: Krili_55 Start: 32985, Stop: 34721, Start Num: 94
Candidate Starts for Krili_55:
(Start: 89 @32976 has 2 MA's), (Start: 94 @32985 has 30 MA's), (Start: 156 @33075 has 1 MA's), (207, 33192), (219, 33228), (226, 33249), (234, 33276), (236, 33282), (249, 33312), (261, 33336), (283, 33387), (333, 33525), (335, 33531), (352, 33582), (354, 33585), (359, 33603), (397, 33654), (404, 33675), (405, 33678), (424, 33726), (426, 33732), (440, 33780), (443, 33786), (445, 33792), (471, 33852), (481, 33876), (483, 33879), (497, 33924), (501, 33939), (504, 33948), (507, 33957), (522, 34002), (529, 34020), (543, 34053), (581, 34191), (587, 34212), (625, 34278), (632, 34308), (646, 34362), (656, 34404), (663, 34425), (667, 34446), (671, 34458), (676, 34479), (690, 34533), (716, 34611), (723, 34647), (727, 34668), (733, 34695),

Gene: KristaRAM_17 Start: 15479, Stop: 17188, Start Num: 114
Candidate Starts for KristaRAM_17:
(Start: 114 @15479 has 231 MA's), (171, 15566), (Start: 193 @15611 has 2 MA's), (202, 15635), (234, 15740), (236, 15746), (242, 15764), (259, 15794), (299, 15899), (321, 15959), (330, 15980), (333, 15989), (341, 16013), (397, 16139), (402, 16154), (404, 16160), (417, 16196), (418, 16199), (424, 16211), (426, 16217), (440, 16265), (445, 16277), (446, 16283), (481, 16343), (485, 16355), (497,

16391), (500, 16403), (527, 16478), (529, 16487), (538, 16505), (540, 16511), (549, 16541), (578, 16646), (580, 16655), (581, 16658), (592, 16694), (631, 16772), (656, 16871), (663, 16892), (671, 16925), (679, 16955), (686, 16985), (688, 16994), (690, 17000), (698, 17015), (699, 17018), (703, 17042), (714, 17072), (718, 17084), (723, 17114), (732, 17156),

Gene: Krueger_22 Start: 16300, Stop: 18075, Start Num: 77
Candidate Starts for Krueger_22:
(Start: 77 @16300 has 26 MA's), (Start: 82 @16309 has 156 MA's), (Start: 103 @16339 has 1 MA's), (177, 16465), (185, 16480), (204, 16531), (215, 16561), (229, 16606), (268, 16696), (284, 16732), (313, 16819), (348, 16912), (355, 16924), (356, 16927), (402, 16993), (404, 16999), (420, 17041), (423, 17047), (463, 17173), (486, 17230), (529, 17347), (547, 17392), (551, 17404), (561, 17452), (584, 17527), (591, 17551), (628, 17647), (657, 17761), (671, 17812), (672, 17818), (701, 17911), (733, 18046), (734, 18049), (745, 18067),

Gene: Ksquared_19 Start: 16407, Stop: 18143, Start Num: 107
Candidate Starts for Ksquared_19:
(Start: 90 @16383 has 2 MA's), (Start: 107 @16407 has 54 MA's), (148, 16467), (159, 16488), (161, 16491), (211, 16611), (225, 16650), (235, 16683), (244, 16707), (294, 16827), (305, 16866), (307, 16872), (339, 16956), (341, 16962), (345, 16974), (354, 16998), (362, 17025), (370, 17043), (396, 17082), (397, 17088), (405, 17112), (426, 17166), (429, 17178), (432, 17187), (450, 17247), (487, 17325), (500, 17364), (511, 17397), (529, 17463), (537, 17478), (540, 17487), (547, 17511), (555, 17541), (559, 17553), (590, 17655), (593, 17667), (594, 17670), (596, 17676), (616, 17685), (646, 17793), (667, 17877), (693, 17976), (725, 18084), (738, 18132),

Gene: Kurt_41 Start: 30840, Stop: 32453, Start Num: 109
Candidate Starts for Kurt_41:
(Start: 109 @30840 has 43 MA's), (Start: 141 @30876 has 1 MA's), (152, 30894), (185, 30954), (280, 31194), (287, 31206), (292, 31221), (316, 31287), (324, 31302), (332, 31326), (333, 31329), (365, 31413), (385, 31443), (387, 31446), (417, 31503), (434, 31551), (435, 31554), (442, 31575), (488, 31680), (504, 31725), (531, 31767), (583, 31941), (592, 31971), (593, 31977), (642, 32085), (643, 32088), (663, 32163), (723, 32382), (738, 32439),

Gene: Kuwabara_19 Start: 15987, Stop: 17696, Start Num: 110
Candidate Starts for Kuwabara_19:
(Start: 110 @15987 has 31 MA's), (Start: 122 @15999 has 1 MA's), (124, 16002), (250, 16299), (269, 16350), (272, 16359), (282, 16377), (298, 16419), (300, 16425), (308, 16455), (315, 16473), (336, 16524), (338, 16530), (348, 16560), (396, 16602), (402, 16623), (404, 16629), (412, 16653), (431, 16704), (432, 16707), (442, 16737), (500, 16887), (512, 16923), (555, 17049), (575, 17115), (623, 17238), (628, 17259), (630, 17271), (632, 17277), (635, 17286), (636, 17289), (649, 17343), (657, 17373), (675, 17442), (698, 17529), (700, 17535), (713, 17586), (723, 17631), (732, 17673), (741, 17691),

Gene: Kwekel_32 Start: 27487, Stop: 29106, Start Num: 126
Candidate Starts for Kwekel_32:
(Start: 126 @27487 has 11 MA's), (132, 27493), (140, 27508), (175, 27571), (221, 27694), (225, 27706), (254, 27763), (290, 27841), (334, 27964), (405, 28078), (416, 28108), (431, 28150), (450, 28213), (481, 28261), (484, 28270), (504, 28333), (514, 28369), (566, 28534), (567, 28537), (578, 28564), (602, 28615), (627, 28672), (628, 28675), (638, 28711), (640, 28720), (652, 28777), (654, 28783), (655, 28789), (668, 28837), (671, 28846), (672, 28852), (673, 28855), (682, 28894), (688, 28906), (701, 28951), (719, 29020), (729, 29068), (732, 29080), (738, 29095),

Gene: Lamberg_17 Start: 14694, Stop: 16403, Start Num: 123
Candidate Starts for Lamberg_17:

(Start: 123 @14694 has 61 MA's), (186, 14811), (210, 14883), (236, 14961), (292, 15084), (298, 15105), (324, 15174), (326, 15177), (344, 15234), (376, 15309), (395, 15363), (424, 15444), (443, 15504), (531, 15669), (539, 15687), (544, 15702), (551, 15726), (567, 15798), (568, 15801), (577, 15822), (654, 16056), (658, 16071), (669, 16113), (691, 16206), (692, 16209), (702, 16257), (711, 16287), (725, 16344),

Gene: Langerak_19 Start: 16369, Stop: 18105, Start Num: 107
Candidate Starts for Langerak_19:
(Start: 90 @16345 has 2 MA's), (Start: 107 @16369 has 54 MA's), (148, 16429), (159, 16450), (161, 16453), (211, 16573), (225, 16612), (235, 16645), (244, 16669), (294, 16789), (305, 16828), (307, 16834), (339, 16918), (341, 16924), (345, 16936), (354, 16960), (362, 16987), (370, 17005), (396, 17044), (397, 17050), (405, 17074), (426, 17128), (429, 17140), (432, 17149), (450, 17209), (487, 17287), (500, 17326), (511, 17359), (529, 17425), (537, 17440), (540, 17449), (547, 17473), (555, 17503), (559, 17515), (590, 17617), (593, 17629), (594, 17632), (596, 17638), (616, 17647), (646, 17755), (667, 17839), (693, 17938), (725, 18046), (738, 18094),

Gene: LastHope_23 Start: 16451, Stop: 18217, Start Num: 82
Candidate Starts for LastHope_23:
(Start: 82 @16451 has 156 MA's), (Start: 103 @16481 has 1 MA's), (Start: 193 @16640 has 2 MA's), (204, 16673), (215, 16703), (229, 16748), (236, 16766), (268, 16838), (309, 16952), (313, 16961), (330, 17000), (346, 17048), (355, 17066), (356, 17069), (398, 17123), (404, 17141), (420, 17183), (423, 17189), (431, 17216), (443, 17252), (481, 17354), (486, 17372), (506, 17432), (516, 17462), (529, 17489), (561, 17594), (617, 17753), (628, 17789), (636, 17819), (657, 17903), (671, 17954), (701, 18053), (702, 18062), (716, 18104), (733, 18188), (734, 18191), (745, 18209),

Gene: LastJedi_16 Start: 14805, Stop: 16514, Start Num: 114
Candidate Starts for LastJedi_16:
(Start: 114 @14805 has 231 MA's), (171, 14892), (Start: 193 @14937 has 2 MA's), (202, 14961), (234, 15066), (236, 15072), (242, 15090), (259, 15120), (299, 15225), (321, 15285), (330, 15306), (333, 15315), (341, 15339), (397, 15465), (402, 15480), (404, 15486), (417, 15522), (418, 15525), (424, 15537), (426, 15543), (440, 15591), (445, 15603), (446, 15609), (481, 15669), (485, 15681), (497, 15717), (500, 15729), (527, 15804), (529, 15813), (538, 15831), (540, 15837), (549, 15867), (578, 15972), (580, 15981), (581, 15984), (592, 16020), (631, 16098), (656, 16197), (663, 16218), (671, 16251), (679, 16281), (686, 16311), (688, 16320), (690, 16326), (698, 16341), (699, 16344), (703, 16368), (714, 16398), (718, 16410), (723, 16440), (732, 16482),

Gene: LaterM_23 Start: 17116, Stop: 18882, Start Num: 82
Candidate Starts for LaterM_23:
(Start: 82 @17116 has 156 MA's), (Start: 103 @17146 has 1 MA's), (Start: 193 @17305 has 2 MA's), (204, 17338), (215, 17368), (225, 17401), (229, 17413), (268, 17503), (284, 17539), (288, 17545), (309, 17617), (313, 17626), (330, 17665), (345, 17710), (355, 17731), (356, 17734), (404, 17806), (420, 17848), (423, 17854), (431, 17881), (443, 17917), (458, 17974), (481, 18019), (486, 18037), (506, 18097), (516, 18127), (529, 18154), (561, 18259), (588, 18349), (617, 18418), (628, 18454), (636, 18484), (639, 18493), (657, 18568), (671, 18619), (701, 18718), (716, 18769), (733, 18853), (734, 18856), (745, 18874),

Gene: Latretium_17 Start: 15486, Stop: 17195, Start Num: 114
Candidate Starts for Latretium_17:
(Start: 114 @15486 has 231 MA's), (171, 15573), (181, 15594), (Start: 193 @15618 has 2 MA's), (202, 15642), (207, 15663), (234, 15747), (236, 15753), (242, 15771), (259, 15801), (299, 15906), (321, 15966), (325, 15975), (330, 15987), (333, 15996), (339, 16014), (341, 16020), (356, 16062), (367, 16095), (371, 16107), (378, 16122), (381, 16128), (397, 16146), (402, 16161), (404, 16167), (410, 16188), (418, 16206), (424, 16218), (426, 16224), (440, 16272), (445, 16284), (446, 16290), (481,

16350), (485, 16362), (497, 16398), (500, 16410), (527, 16485), (529, 16494), (538, 16512), (540, 16518), (549, 16548), (578, 16653), (580, 16662), (581, 16665), (592, 16701), (631, 16779), (656, 16878), (663, 16899), (671, 16932), (679, 16962), (686, 16992), (688, 17001), (690, 17007), (698, 17022), (699, 17025), (703, 17049), (714, 17079), (718, 17091), (723, 17121), (732, 17163),

Gene: Lavahound_21 Start: 17255, Stop: 19009, Start Num: 82
Candidate Starts for Lavahound_21:
(Start: 64 @17216 has 1 MA's), (Start: 77 @17246 has 26 MA's), (Start: 80 @17252 has 43 MA's), (Start: 82 @17255 has 156 MA's), (Start: 97 @17267 has 61 MA's), (Start: 103 @17273 has 1 MA's), (177, 17399), (185, 17414), (204, 17465), (215, 17495), (225, 17528), (268, 17630), (288, 17672), (309, 17744), (313, 17753), (382, 17897), (384, 17900), (398, 17915), (402, 17927), (404, 17933), (409, 17951), (420, 17975), (423, 17981), (431, 18008), (443, 18044), (486, 18164), (529, 18281), (544, 18314), (547, 18326), (551, 18338), (561, 18386), (627, 18578), (636, 18611), (639, 18620), (654, 18683), (657, 18695), (671, 18746), (672, 18752), (701, 18845), (716, 18896), (725, 18941), (733, 18980), (734, 18983), (745, 19001),

Gene: LeMond_22 Start: 16387, Stop: 18156, Start Num: 77
Candidate Starts for LeMond_22:
(Start: 64 @16357 has 1 MA's), (Start: 77 @16387 has 26 MA's), (Start: 80 @16393 has 43 MA's), (Start: 103 @16420 has 1 MA's), (128, 16447), (185, 16561), (204, 16612), (225, 16675), (268, 16777), (269, 16783), (298, 16855), (309, 16891), (313, 16900), (330, 16939), (346, 16987), (355, 17005), (382, 17044), (384, 17047), (398, 17062), (402, 17074), (404, 17080), (420, 17122), (423, 17128), (431, 17155), (481, 17293), (486, 17311), (491, 17323), (516, 17401), (547, 17473), (551, 17485), (561, 17533), (584, 17608), (617, 17692), (627, 17725), (629, 17731), (636, 17758), (657, 17842), (659, 17848), (671, 17893), (672, 17899), (701, 17992), (725, 18088), (745, 18148),

Gene: Lea83_22 Start: 17576, Stop: 19339, Start Num: 82
Candidate Starts for Lea83_22:
(Start: 77 @17567 has 26 MA's), (Start: 82 @17576 has 156 MA's), (Start: 97 @17588 has 61 MA's), (158, 17678), (185, 17735), (204, 17786), (215, 17816), (222, 17840), (309, 18071), (313, 18080), (319, 18092), (348, 18173), (355, 18185), (356, 18188), (404, 18260), (406, 18269), (420, 18302), (423, 18308), (435, 18347), (446, 18383), (481, 18473), (501, 18536), (511, 18566), (535, 18623), (561, 18716), (613, 18854), (617, 18872), (630, 18920), (638, 18944), (645, 18971), (659, 19028), (671, 19073), (701, 19175), (723, 19262), (725, 19271), (729, 19292), (733, 19310), (736, 19316), (745, 19331),

Gene: Lebo14_24 Start: 18639, Stop: 20426, Start Num: 82
Candidate Starts for Lebo14_24:
(Start: 64 @18600 has 1 MA's), (Start: 77 @18630 has 26 MA's), (Start: 80 @18636 has 43 MA's), (Start: 82 @18639 has 156 MA's), (135, 18696), (160, 18744), (177, 18783), (185, 18798), (Start: 193 @18816 has 2 MA's), (204, 18849), (215, 18879), (229, 18924), (236, 18942), (268, 19014), (269, 19020), (284, 19050), (305, 19116), (309, 19128), (369, 19263), (402, 19311), (404, 19317), (409, 19335), (423, 19365), (435, 19404), (481, 19530), (500, 19590), (501, 19593), (507, 19611), (512, 19626), (561, 19794), (578, 19848), (591, 19893), (609, 19938), (617, 19962), (627, 19995), (636, 20028), (654, 20100), (657, 20112), (671, 20163), (672, 20169), (702, 20271), (733, 20397), (745, 20418),

Gene: Lemuria_19 Start: 16718, Stop: 18526, Start Num: 60
Candidate Starts for Lemuria_19:
(Start: 60 @16718 has 1 MA's), (160, 16865), (185, 16919), (204, 16970), (222, 17024), (256, 17102), (284, 17171), (288, 17177), (404, 17447), (406, 17456), (420, 17489), (423, 17495), (435, 17534), (445, 17564), (461, 17618), (481, 17660), (529, 17801), (561, 17906), (567, 17933), (580, 17969), (584, 17981), (627, 18098), (644, 18161), (648, 18176), (653, 18200), (671, 18266), (701, 18365),

(736, 18506),

Gene: Leonard_33 Start: 29137, Stop: 30762, Start Num: 123
Candidate Starts for Leonard_33:
(Start: 81 @29080 has 1 MA's), (Start: 123 @29137 has 61 MA's), (132, 29149), (151, 29182), (157, 29191), (164, 29203), (177, 29233), (Start: 193 @29266 has 2 MA's), (221, 29350), (225, 29362), (262, 29437), (290, 29497), (299, 29527), (405, 29734), (416, 29764), (431, 29806), (432, 29809), (450, 29869), (481, 29917), (504, 29989), (513, 30022), (514, 30025), (532, 30064), (546, 30103), (566, 30190), (567, 30193), (602, 30271), (628, 30331), (640, 30376), (659, 30457), (673, 30511), (701, 30607), (732, 30736), (738, 30751),

Gene: Leozinho_17 Start: 14652, Stop: 16361, Start Num: 114
Candidate Starts for Leozinho_17:
(Start: 114 @14652 has 231 MA's), (171, 14739), (Start: 193 @14784 has 2 MA's), (202, 14808), (234, 14913), (236, 14919), (242, 14937), (259, 14967), (299, 15072), (321, 15132), (330, 15153), (333, 15162), (339, 15180), (341, 15186), (397, 15312), (402, 15327), (404, 15333), (417, 15369), (418, 15372), (424, 15384), (426, 15390), (440, 15438), (445, 15450), (446, 15456), (481, 15516), (485, 15528), (497, 15564), (500, 15576), (527, 15651), (529, 15660), (538, 15678), (540, 15684), (549, 15714), (578, 15819), (580, 15828), (581, 15831), (592, 15867), (631, 15945), (656, 16044), (663, 16065), (671, 16098), (679, 16128), (686, 16158), (688, 16167), (690, 16173), (698, 16188), (699, 16191), (703, 16215), (714, 16245), (718, 16257), (723, 16287), (732, 16329),

Gene: Leperchaun_16 Start: 14796, Stop: 16505, Start Num: 114
Candidate Starts for Leperchaun_16:
(Start: 114 @14796 has 231 MA's), (171, 14883), (Start: 193 @14928 has 2 MA's), (202, 14952), (234, 15057), (236, 15063), (242, 15081), (259, 15111), (299, 15216), (318, 15270), (321, 15276), (330, 15297), (333, 15306), (341, 15330), (397, 15456), (402, 15471), (404, 15477), (417, 15513), (418, 15516), (424, 15528), (426, 15534), (440, 15582), (445, 15594), (446, 15600), (481, 15660), (485, 15672), (497, 15708), (500, 15720), (527, 15795), (529, 15804), (538, 15822), (540, 15828), (549, 15858), (578, 15963), (581, 15975), (592, 16011), (631, 16089), (663, 16209), (671, 16242), (679, 16272), (681, 16284), (686, 16302), (688, 16311), (690, 16317), (698, 16332), (699, 16335), (703, 16359), (718, 16401), (723, 16431), (732, 16473),

Gene: Leston_21 Start: 17625, Stop: 19397, Start Num: 87
Candidate Starts for Leston_21:
(Start: 87 @17625 has 18 MA's), (Start: 89 @17631 has 2 MA's), (106, 17655), (135, 17688), (160, 17736), (185, 17790), (204, 17841), (225, 17904), (269, 18012), (309, 18120), (355, 18234), (356, 18237), (398, 18291), (402, 18303), (404, 18309), (420, 18351), (423, 18357), (435, 18396), (443, 18420), (481, 18522), (501, 18585), (514, 18630), (561, 18765), (591, 18864), (621, 18942), (627, 18966), (629, 18972), (632, 18987), (657, 19083), (659, 19089), (702, 19242), (728, 19347), (729, 19350), (733, 19368),

Gene: Liefie_18 Start: 16648, Stop: 18402, Start Num: 97
Candidate Starts for Liefie_18:
(Start: 77 @16639 has 26 MA's), (Start: 97 @16648 has 61 MA's), (Start: 103 @16654 has 1 MA's), (111, 16660), (160, 16738), (185, 16792), (204, 16843), (215, 16873), (222, 16897), (266, 16999), (281, 17038), (284, 17044), (290, 17059), (303, 17104), (348, 17224), (386, 17281), (404, 17320), (423, 17368), (431, 17395), (435, 17407), (458, 17488), (481, 17533), (551, 17731), (556, 17761), (561, 17779), (567, 17806), (594, 17890), (607, 17908), (614, 17923), (627, 17971), (630, 17986), (648, 18049), (663, 18106), (672, 18145), (682, 18187), (701, 18238), (725, 18334), (745, 18394),

Gene: LilDirt_20 Start: 17352, Stop: 19124, Start Num: 87
Candidate Starts for LilDirt_20:

(Start: 87 @17352 has 18 MA's), (Start: 89 @17358 has 2 MA's), (106, 17382), (135, 17415), (160, 17463), (185, 17517), (204, 17568), (225, 17631), (269, 17739), (309, 17847), (355, 17961), (356, 17964), (384, 18003), (398, 18018), (402, 18030), (404, 18036), (417, 18072), (420, 18078), (423, 18084), (435, 18123), (443, 18147), (481, 18249), (501, 18312), (561, 18492), (591, 18591), (621, 18669), (627, 18693), (629, 18699), (638, 18732), (657, 18810), (659, 18816), (702, 18969), (728, 19074), (729, 19077), (733, 19095),

Gene: LilHazelnut_22 Start: 17406, Stop: 19148, Start Num: 80
Candidate Starts for LilHazelnut_22:
(Start: 80 @17406 has 43 MA's), (Start: 87 @17415 has 18 MA's), (120, 17457), (152, 17508), (163, 17532), (170, 17544), (177, 17565), (185, 17580), (Start: 193 @17598 has 2 MA's), (204, 17631), (212, 17658), (236, 17730), (272, 17820), (304, 17904), (307, 17913), (315, 17934), (341, 18000), (354, 18027), (379, 18060), (398, 18078), (405, 18099), (409, 18114), (410, 18117), (435, 18183), (436, 18186), (453, 18252), (464, 18264), (472, 18273), (473, 18276), (501, 18363), (518, 18417), (541, 18462), (543, 18468), (560, 18540), (567, 18570), (578, 18597), (588, 18633), (591, 18642), (627, 18720), (665, 18864), (669, 18882), (672, 18894), (676, 18909), (677, 18912), (682, 18933), (688, 18945), (702, 18993), (713, 19026), (729, 19101), (733, 19119), (745, 19140),

Gene: LilMoolah_16 Start: 14938, Stop: 16647, Start Num: 114
Candidate Starts for LilMoolah_16:
(Start: 114 @14938 has 231 MA's), (171, 15025), (Start: 193 @15070 has 2 MA's), (202, 15094), (219, 15151), (234, 15199), (236, 15205), (242, 15223), (259, 15253), (299, 15358), (318, 15412), (321, 15418), (325, 15427), (333, 15448), (341, 15472), (354, 15508), (356, 15514), (367, 15547), (369, 15550), (371, 15559), (378, 15574), (381, 15580), (397, 15598), (402, 15613), (404, 15619), (409, 15637), (410, 15640), (417, 15655), (424, 15670), (426, 15676), (440, 15724), (445, 15736), (446, 15742), (481, 15802), (485, 15814), (497, 15850), (500, 15862), (527, 15937), (529, 15946), (538, 15964), (540, 15970), (549, 16000), (578, 16105), (581, 16117), (592, 16153), (631, 16231), (663, 16351), (671, 16384), (679, 16414), (681, 16426), (686, 16444), (687, 16450), (688, 16453), (690, 16459), (698, 16474), (699, 16477), (702, 16498), (703, 16501), (718, 16543), (723, 16573), (732, 16615), (733, 16621),

Gene: LilPharaoh_19 Start: 16697, Stop: 18463, Start Num: 82
Candidate Starts for LilPharaoh_19:
(Start: 82 @16697 has 156 MA's), (Start: 87 @16703 has 18 MA's), (Start: 103 @16727 has 1 MA's), (177, 16853), (185, 16868), (Start: 193 @16886 has 2 MA's), (215, 16949), (268, 17084), (269, 17090), (309, 17198), (313, 17207), (355, 17312), (402, 17381), (404, 17387), (417, 17423), (423, 17435), (443, 17498), (481, 17600), (486, 17618), (500, 17660), (501, 17663), (544, 17768), (561, 17840), (593, 17948), (595, 17954), (617, 17999), (632, 18053), (639, 18074), (657, 18149), (671, 18200), (701, 18299), (704, 18314), (716, 18350), (725, 18395), (733, 18434), (734, 18437), (745, 18455),

Gene: Lilac_26 Start: 19243, Stop: 20922, Start Num: 119
Candidate Starts for Lilac_26:
(Start: 119 @19243 has 132 MA's), (Start: 169 @19327 has 49 MA's), (Start: 203 @19405 has 1 MA's), (231, 19492), (236, 19507), (259, 19555), (273, 19594), (305, 19681), (319, 19714), (333, 19750), (343, 19780), (345, 19786), (370, 19855), (399, 19885), (403, 19897), (404, 19900), (426, 19957), (483, 20089), (484, 20095), (505, 20161), (507, 20167), (513, 20191), (529, 20239), (540, 20263), (543, 20272), (562, 20347), (580, 20398), (585, 20413), (648, 20575), (654, 20602), (663, 20632), (689, 20737), (716, 20815), (723, 20851), (725, 20860), (732, 20893), (738, 20908),

Gene: Lilas_20 Start: 17715, Stop: 19421, Start Num: 110
Candidate Starts for Lilas_20:
(Start: 91 @17691 has 1 MA's), (Start: 110 @17715 has 31 MA's), (145, 17763), (175, 17820), (195, 17862), (264, 18051), (315, 18198), (319, 18204), (336, 18249), (416, 18387), (442, 18462), (550,

18744), (554, 18765), (575, 18840), (612, 18927), (623, 18963), (630, 18996), (632, 19002), (649, 19068), (657, 19098), (698, 19254), (700, 19260), (702, 19278), (730, 19389),

Gene: Lilbeanie_30 Start: 24430, Stop: 26055, Start Num: 121
Candidate Starts for Lilbeanie_30:
(Start: 121 @24430 has 70 MA's), (Start: 126 @24436 has 11 MA's), (145, 24469), (167, 24502), (Start: 193 @24559 has 2 MA's), (268, 24739), (299, 24820), (334, 24913), (336, 24919), (339, 24928), (405, 25027), (408, 25039), (416, 25057), (431, 25099), (450, 25162), (483, 25213), (484, 25219), (532, 25357), (546, 25396), (547, 25399), (559, 25453), (561, 25459), (567, 25486), (578, 25513), (585, 25537), (602, 25564), (632, 25642), (640, 25669), (661, 25756), (668, 25786), (688, 25855), (696, 25882), (716, 25951), (717, 25954), (720, 25972), (728, 26014), (738, 26044),

Gene: Lilizi_26 Start: 19451, Stop: 21130, Start Num: 119
Candidate Starts for Lilizi_26:
(Start: 119 @19451 has 132 MA's), (Start: 169 @19535 has 49 MA's), (Start: 203 @19613 has 1 MA's), (231, 19700), (236, 19715), (259, 19763), (273, 19802), (305, 19889), (319, 19922), (333, 19958), (343, 19988), (345, 19994), (370, 20063), (399, 20093), (403, 20105), (404, 20108), (426, 20165), (483, 20297), (484, 20303), (505, 20369), (507, 20375), (513, 20399), (529, 20447), (540, 20471), (543, 20480), (562, 20555), (580, 20606), (585, 20621), (648, 20783), (654, 20810), (663, 20840), (689, 20945), (716, 21023), (723, 21059), (725, 21068), (732, 21101), (738, 21116),

Gene: Lilpickle_23 Start: 18953, Stop: 20632, Start Num: 119
Candidate Starts for Lilpickle_23:
(Start: 119 @18953 has 132 MA's), (Start: 169 @19037 has 49 MA's), (Start: 203 @19115 has 1 MA's), (231, 19202), (236, 19217), (259, 19265), (273, 19304), (305, 19391), (319, 19424), (333, 19460), (343, 19490), (345, 19496), (370, 19565), (399, 19595), (403, 19607), (404, 19610), (426, 19667), (483, 19799), (484, 19805), (505, 19871), (507, 19877), (513, 19901), (529, 19949), (540, 19973), (543, 19982), (562, 20057), (580, 20108), (585, 20123), (648, 20285), (654, 20312), (663, 20342), (689, 20447), (716, 20525), (723, 20561), (725, 20570), (732, 20603), (738, 20618),

Gene: LindNT_23 Start: 17122, Stop: 18888, Start Num: 82
Candidate Starts for LindNT_23:
(Start: 82 @17122 has 156 MA's), (Start: 103 @17152 has 1 MA's), (Start: 193 @17311 has 2 MA's), (204, 17344), (215, 17374), (225, 17407), (229, 17419), (268, 17509), (288, 17551), (306, 17614), (309, 17623), (313, 17632), (330, 17671), (345, 17716), (355, 17737), (356, 17740), (404, 17812), (420, 17854), (423, 17860), (431, 17887), (481, 18025), (486, 18043), (500, 18085), (506, 18103), (516, 18133), (529, 18160), (561, 18265), (617, 18424), (628, 18460), (636, 18490), (639, 18499), (657, 18574), (671, 18625), (725, 18820), (733, 18859), (734, 18862), (745, 18880),

Gene: LittleE_37 Start: 28308, Stop: 30041, Start Num: 113
Candidate Starts for LittleE_37:
(Start: 113 @28308 has 31 MA's), (Start: 169 @28398 has 49 MA's), (171, 28401), (Start: 209 @28503 has 11 MA's), (231, 28569), (244, 28605), (260, 28635), (266, 28650), (296, 28734), (307, 28770), (319, 28797), (334, 28836), (345, 28869), (348, 28878), (369, 28935), (386, 28977), (422, 29052), (426, 29064), (445, 29124), (470, 29178), (483, 29208), (487, 29226), (491, 29235), (501, 29268), (505, 29280), (507, 29286), (520, 29325), (540, 29382), (585, 29532), (590, 29550), (621, 29592), (627, 29616), (628, 29619), (631, 29634), (640, 29664), (648, 29694), (663, 29751), (705, 29901), (734, 30021), (738, 30027),

Gene: LittleShirley_17 Start: 14625, Stop: 16334, Start Num: 114
Candidate Starts for LittleShirley_17:
(Start: 114 @14625 has 231 MA's), (171, 14712), (181, 14733), (Start: 193 @14757 has 2 MA's), (202, 14781), (207, 14802), (234, 14886), (236, 14892), (242, 14910), (259, 14940), (299, 15045), (321,

15105), (330, 15126), (333, 15135), (341, 15159), (367, 15234), (369, 15237), (371, 15246), (378, 15261), (381, 15267), (397, 15285), (402, 15300), (404, 15306), (410, 15327), (417, 15342), (424, 15357), (426, 15363), (440, 15411), (445, 15423), (446, 15429), (481, 15489), (485, 15501), (497, 15537), (500, 15549), (527, 15624), (529, 15633), (538, 15651), (540, 15657), (549, 15687), (578, 15792), (581, 15804), (592, 15840), (631, 15918), (663, 16038), (671, 16071), (679, 16101), (681, 16113), (686, 16131), (687, 16137), (688, 16140), (690, 16146), (698, 16161), (699, 16164), (702, 16185), (703, 16188), (718, 16230), (723, 16260), (732, 16302), (733, 16308),

Gene: Livelaughbron_24 Start: 19946, Stop: 21541, Start Num: 169
Candidate Starts for Livelaughbron_24:
(Start: 119 @19862 has 132 MA's), (Start: 169 @19946 has 49 MA's), (Start: 203 @20024 has 1 MA's), (231, 20111), (236, 20126), (259, 20174), (273, 20213), (305, 20300), (319, 20333), (333, 20369), (343, 20399), (345, 20405), (370, 20474), (399, 20504), (403, 20516), (404, 20519), (426, 20576), (483, 20708), (484, 20714), (505, 20780), (507, 20786), (513, 20810), (529, 20858), (540, 20882), (543, 20891), (562, 20966), (580, 21017), (585, 21032), (648, 21194), (654, 21221), (663, 21251), (689, 21356), (716, 21434), (723, 21470), (725, 21479), (732, 21512), (738, 21527),

Gene: Lizziana_16 Start: 14813, Stop: 16522, Start Num: 114
Candidate Starts for Lizziana_16:
(Start: 114 @14813 has 231 MA's), (171, 14900), (Start: 193 @14945 has 2 MA's), (202, 14969), (234, 15074), (236, 15080), (242, 15098), (259, 15128), (299, 15233), (318, 15287), (321, 15293), (325, 15302), (333, 15323), (341, 15347), (354, 15383), (356, 15389), (367, 15422), (369, 15425), (371, 15434), (378, 15449), (381, 15455), (397, 15473), (402, 15488), (404, 15494), (409, 15512), (410, 15515), (417, 15530), (424, 15545), (426, 15551), (440, 15599), (445, 15611), (446, 15617), (481, 15677), (485, 15689), (497, 15725), (500, 15737), (527, 15812), (529, 15821), (538, 15839), (540, 15845), (549, 15875), (578, 15980), (581, 15992), (592, 16028), (631, 16106), (663, 16226), (671, 16259), (679, 16289), (681, 16301), (686, 16319), (687, 16325), (688, 16328), (690, 16334), (698, 16349), (699, 16352), (702, 16373), (703, 16376), (718, 16418), (723, 16448), (732, 16490), (733, 16496),

Gene: Llama_16 Start: 15041, Stop: 16750, Start Num: 114
Candidate Starts for Llama_16:
(Start: 114 @15041 has 231 MA's), (171, 15128), (181, 15149), (Start: 193 @15173 has 2 MA's), (202, 15197), (207, 15218), (234, 15302), (236, 15308), (242, 15326), (259, 15356), (299, 15461), (318, 15515), (321, 15521), (329, 15539), (330, 15542), (333, 15551), (341, 15575), (367, 15650), (371, 15662), (378, 15677), (381, 15683), (397, 15701), (402, 15716), (404, 15722), (414, 15749), (417, 15758), (424, 15773), (426, 15779), (440, 15827), (445, 15839), (446, 15845), (481, 15905), (485, 15917), (497, 15953), (500, 15965), (507, 15986), (527, 16040), (529, 16049), (538, 16067), (540, 16073), (549, 16103), (578, 16208), (580, 16217), (581, 16220), (592, 16256), (622, 16295), (631, 16334), (663, 16454), (671, 16487), (679, 16517), (686, 16547), (688, 16556), (690, 16562), (698, 16577), (699, 16580), (702, 16601), (703, 16604), (716, 16640), (718, 16646), (723, 16676), (732, 16718),

Gene: Llij_16 Start: 14790, Stop: 16499, Start Num: 114
Candidate Starts for Llij_16:
(Start: 114 @14790 has 231 MA's), (171, 14877), (Start: 193 @14922 has 2 MA's), (202, 14946), (219, 15003), (234, 15051), (236, 15057), (242, 15075), (259, 15105), (282, 15159), (299, 15210), (318, 15264), (321, 15270), (325, 15279), (333, 15300), (341, 15324), (354, 15360), (356, 15366), (367, 15399), (369, 15402), (371, 15411), (378, 15426), (381, 15432), (397, 15450), (402, 15465), (404, 15471), (409, 15489), (410, 15492), (417, 15507), (424, 15522), (426, 15528), (440, 15576), (445, 15588), (446, 15594), (481, 15654), (485, 15666), (497, 15702), (500, 15714), (527, 15789), (529, 15798), (538, 15816), (540, 15822), (549, 15852), (578, 15957), (581, 15969), (592, 16005), (631, 16083), (663, 16203), (671, 16236), (679, 16266), (681, 16278), (686, 16296), (687, 16302), (688,

16305), (690, 16311), (698, 16326), (699, 16329), (702, 16350), (703, 16353), (718, 16395), (723, 16425), (732, 16467), (733, 16473),

Gene: Llorens_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Llorens_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: Lokum_23 Start: 17189, Stop: 18955, Start Num: 82
Candidate Starts for Lokum_23:
(Start: 82 @17189 has 156 MA's), (Start: 103 @17219 has 1 MA's), (Start: 193 @17378 has 2 MA's), (204, 17411), (215, 17441), (225, 17474), (229, 17486), (268, 17576), (288, 17618), (309, 17690), (313, 17699), (330, 17738), (345, 17783), (355, 17804), (356, 17807), (398, 17861), (404, 17879), (420, 17921), (423, 17927), (431, 17954), (481, 18092), (486, 18110), (500, 18152), (506, 18170), (516, 18200), (529, 18227), (561, 18332), (617, 18491), (628, 18527), (636, 18557), (639, 18566), (657, 18641), (671, 18692), (725, 18887), (733, 18926), (734, 18929), (745, 18947),

Gene: Lollipop1437_46 Start: 31458, Stop: 33080, Start Num: 109
Candidate Starts for Lollipop1437_46:
(Start: 109 @31458 has 43 MA's), (185, 31575), (280, 31815), (287, 31827), (292, 31842), (316, 31908), (324, 31923), (365, 32034), (385, 32064), (387, 32067), (417, 32124), (442, 32196), (480, 32280), (488, 32301), (531, 32388), (549, 32436), (583, 32562), (584, 32565), (593, 32598), (629, 32655), (663, 32784), (672, 32823), (703, 32928), (721, 32991), (723, 33003), (726, 33015), (727, 33024), (738, 33060),

Gene: LonelyBoi_20 Start: 17718, Stop: 19424, Start Num: 110
Candidate Starts for LonelyBoi_20:
(Start: 91 @17694 has 1 MA's), (Start: 110 @17718 has 31 MA's), (175, 17823), (195, 17865), (219, 17940), (264, 18054), (315, 18201), (319, 18207), (336, 18252), (416, 18390), (442, 18465), (550, 18747), (554, 18768), (575, 18843), (612, 18930), (623, 18966), (630, 18999), (632, 19005), (649, 19071), (657, 19101), (700, 19263), (702, 19281), (730, 19392),

Gene: LongHai_22 Start: 16306, Stop: 18156, Start Num: 54
Candidate Starts for LongHai_22:
(44, 16270), (Start: 54 @16306 has 4 MA's), (78, 16357), (Start: 100 @16384 has 3 MA's), (144, 16444), (177, 16510), (198, 16561), (205, 16579), (323, 16885), (343, 16942), (369, 16990), (374, 16993), (397, 17056), (404, 17077), (427, 17140), (430, 17149), (435, 17164), (484, 17299), (497, 17338), (503, 17359), (513, 17395), (514, 17398), (535, 17440), (542, 17455), (544, 17461), (640, 17770), (642, 17779), (644, 17785), (647, 17797), (654, 17827), (659, 17845), (661, 17851), (696, 17971), (711, 18028), (731, 18115), (733, 18124),

Gene: LordFarquaad_17 Start: 14751, Stop: 16460, Start Num: 123
Candidate Starts for LordFarquaad_17:
(51, 14616), (Start: 123 @14751 has 61 MA's), (210, 14940), (211, 14943), (236, 15018), (264, 15072), (292, 15141), (295, 15153), (324, 15231), (326, 15234), (376, 15366), (395, 15420), (410, 15471), (424, 15501), (443, 15561), (446, 15573), (474, 15609), (531, 15726), (539, 15744), (551, 15783), (577, 15879), (622, 15987), (691, 16263), (692, 16266), (702, 16314), (711, 16344),

Gene: LordVader_17 Start: 14721, Stop: 16430, Start Num: 114

Candidate Starts for LordVader_17:
(Start: 114 @14721 has 231 MA's), (171, 14808), (181, 14829), (Start: 193 @14853 has 2 MA's), (202, 14877), (234, 14982), (236, 14988), (242, 15006), (259, 15036), (299, 15141), (321, 15201), (325, 15210), (329, 15219), (330, 15222), (333, 15231), (341, 15255), (356, 15297), (367, 15330), (371, 15342), (378, 15357), (381, 15363), (397, 15381), (402, 15396), (404, 15402), (409, 15420), (410, 15423), (417, 15438), (424, 15453), (426, 15459), (440, 15507), (445, 15519), (446, 15525), (481, 15585), (485, 15597), (497, 15633), (500, 15645), (507, 15666), (527, 15720), (529, 15729), (538, 15747), (540, 15753), (549, 15783), (578, 15888), (580, 15897), (581, 15900), (592, 15936), (631, 16014), (656, 16113), (663, 16134), (671, 16167), (679, 16197), (686, 16227), (688, 16236), (690, 16242), (698, 16257), (699, 16260), (702, 16281), (703, 16284), (718, 16326), (732, 16398),

Gene: Lorde_17 Start: 14628, Stop: 16337, Start Num: 114
Candidate Starts for Lorde_17:
(Start: 114 @14628 has 231 MA's), (171, 14715), (Start: 193 @14760 has 2 MA's), (202, 14784), (219, 14841), (234, 14889), (236, 14895), (242, 14913), (259, 14943), (299, 15048), (318, 15102), (321, 15108), (325, 15117), (330, 15129), (333, 15138), (341, 15162), (354, 15198), (356, 15204), (359, 15216), (367, 15237), (369, 15240), (371, 15249), (378, 15264), (381, 15270), (397, 15288), (402, 15303), (404, 15309), (409, 15327), (410, 15330), (417, 15345), (424, 15360), (426, 15366), (435, 15396), (440, 15414), (445, 15426), (446, 15432), (481, 15492), (485, 15504), (497, 15540), (500, 15552), (507, 15573), (527, 15627), (529, 15636), (540, 15660), (549, 15690), (578, 15795), (581, 15807), (592, 15843), (622, 15882), (631, 15921), (656, 16020), (663, 16041), (671, 16074), (679, 16104), (686, 16134), (688, 16143), (690, 16149), (698, 16164), (699, 16167), (702, 16188), (703, 16191), (718, 16233), (723, 16263), (732, 16305), (733, 16311),

Gene: LouisV14_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for LouisV14_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Lozinak_48 Start: 29612, Stop: 31303, Start Num: 104
Candidate Starts for Lozinak_48:
(Start: 104 @29612 has 17 MA's), (146, 29672), (165, 29705), (177, 29735), (179, 29738), (236, 29897), (239, 29906), (300, 30035), (317, 30083), (426, 30296), (427, 30302), (435, 30326), (490, 30455), (497, 30476), (507, 30509), (562, 30707), (629, 30860), (654, 30959), (657, 30971), (660, 30980), (681, 31064), (724, 31211), (731, 31247),

Gene: Lton_17 Start: 14723, Stop: 16432, Start Num: 123
Candidate Starts for Lton_17:
(51, 14588), (Start: 123 @14723 has 61 MA's), (210, 14912), (211, 14915), (236, 14990), (264, 15044), (292, 15113), (324, 15203), (326, 15206), (376, 15338), (395, 15392), (424, 15473), (443, 15533), (445, 15539), (490, 15620), (531, 15698), (539, 15716), (551, 15755), (567, 15827), (568, 15830), (577, 15851), (654, 16085), (658, 16100), (669, 16142), (691, 16235), (692, 16238), (702, 16286), (711, 16316),

Gene: Lucia_17 Start: 14830, Stop: 16539, Start Num: 114
Candidate Starts for Lucia_17:
(Start: 114 @14830 has 231 MA's), (171, 14917), (Start: 193 @14962 has 2 MA's), (202, 14986), (234, 15091), (236, 15097), (242, 15115), (259, 15145), (299, 15250), (321, 15310), (330, 15331), (333, 15340), (341, 15364), (397, 15490), (402, 15505), (404, 15511), (417, 15547), (418, 15550), (424,

15562), (426, 15568), (440, 15616), (445, 15628), (446, 15634), (481, 15694), (485, 15706), (497, 15742), (500, 15754), (527, 15829), (529, 15838), (538, 15856), (540, 15862), (549, 15892), (578, 15997), (581, 16009), (592, 16045), (631, 16123), (663, 16243), (671, 16276), (679, 16306), (681, 16318), (686, 16336), (688, 16345), (690, 16351), (698, 16366), (699, 16369), (703, 16393), (718, 16435), (723, 16465), (732, 16507),

Gene: Lucky10_18 Start: 15185, Stop: 16897, Start Num: 110
Candidate Starts for Lucky10_18:
(Start: 110 @15185 has 31 MA's), (145, 15239), (196, 15341), (219, 15413), (250, 15494), (269, 15545), (285, 15578), (300, 15626), (315, 15674), (320, 15683), (336, 15725), (348, 15761), (396, 15803), (402, 15824), (404, 15830), (412, 15854), (431, 15905), (432, 15908), (442, 15938), (555, 16250), (575, 16316), (584, 16346), (623, 16439), (628, 16460), (630, 16472), (632, 16478), (634, 16484), (636, 16490), (649, 16544), (657, 16574), (675, 16643), (698, 16730), (700, 16736), (704, 16760), (713, 16787),

Gene: Lucky2013_34 Start: 25206, Stop: 26939, Start Num: 113
Candidate Starts for Lucky2013_34:
(Start: 113 @25206 has 31 MA's), (Start: 169 @25296 has 49 MA's), (171, 25299), (Start: 209 @25401 has 11 MA's), (231, 25467), (244, 25503), (260, 25533), (266, 25548), (296, 25632), (307, 25668), (319, 25695), (334, 25734), (345, 25767), (348, 25776), (369, 25833), (386, 25875), (422, 25950), (426, 25962), (445, 26022), (470, 26076), (483, 26106), (487, 26124), (491, 26133), (501, 26166), (505, 26178), (507, 26184), (520, 26223), (540, 26280), (585, 26430), (590, 26448), (621, 26490), (627, 26514), (628, 26517), (631, 26532), (640, 26562), (648, 26592), (663, 26649), (705, 26799), (738, 26925),

Gene: Luke_22 Start: 17406, Stop: 19148, Start Num: 80
Candidate Starts for Luke_22:
(Start: 80 @17406 has 43 MA's), (Start: 87 @17415 has 18 MA's), (120, 17457), (152, 17508), (163, 17532), (170, 17544), (177, 17565), (185, 17580), (Start: 193 @17598 has 2 MA's), (204, 17631), (212, 17658), (236, 17730), (272, 17820), (304, 17904), (307, 17913), (315, 17934), (341, 18000), (354, 18027), (379, 18060), (398, 18078), (405, 18099), (409, 18114), (410, 18117), (435, 18183), (436, 18186), (453, 18252), (464, 18264), (472, 18273), (473, 18276), (501, 18363), (518, 18417), (541, 18462), (543, 18468), (560, 18540), (567, 18570), (578, 18597), (588, 18633), (591, 18642), (627, 18720), (665, 18864), (669, 18882), (672, 18894), (676, 18909), (677, 18912), (682, 18933), (688, 18945), (702, 18993), (713, 19026), (729, 19101), (733, 19119), (745, 19140),

Gene: Luna22_22 Start: 17406, Stop: 19148, Start Num: 80
Candidate Starts for Luna22_22:
(Start: 80 @17406 has 43 MA's), (Start: 87 @17415 has 18 MA's), (120, 17457), (152, 17508), (163, 17532), (170, 17544), (177, 17565), (185, 17580), (Start: 193 @17598 has 2 MA's), (204, 17631), (212, 17658), (236, 17730), (272, 17820), (304, 17904), (307, 17913), (315, 17934), (341, 18000), (354, 18027), (379, 18060), (398, 18078), (405, 18099), (409, 18114), (410, 18117), (435, 18183), (436, 18186), (453, 18252), (464, 18264), (472, 18273), (473, 18276), (501, 18363), (518, 18417), (541, 18462), (543, 18468), (560, 18540), (567, 18570), (578, 18597), (588, 18633), (591, 18642), (627, 18720), (665, 18864), (669, 18882), (672, 18894), (676, 18909), (677, 18912), (682, 18933), (688, 18945), (702, 18993), (713, 19026), (729, 19101), (733, 19119), (745, 19140),

Gene: LunaStella_18 Start: 15370, Stop: 17073, Start Num: 122
Candidate Starts for LunaStella_18:
(Start: 97 @15346 has 61 MA's), (Start: 103 @15352 has 1 MA's), (108, 15358), (Start: 122 @15370 has 1 MA's), (127, 15376), (Start: 193 @15496 has 2 MA's), (202, 15520), (208, 15544), (234, 15625), (236, 15631), (242, 15649), (259, 15679), (325, 15853), (333, 15874), (334, 15877), (346, 15913), (359, 15952), (381, 16006), (397, 16024), (398, 16027), (402, 16039), (404, 16045), (417, 16081),

(426, 16102), (431, 16120), (440, 16150), (445, 16162), (446, 16168), (481, 16228), (497, 16276), (512, 16321), (527, 16363), (529, 16372), (540, 16396), (549, 16426), (559, 16471), (578, 16531), (580, 16540), (581, 16543), (592, 16579), (632, 16660), (666, 16789), (671, 16810), (679, 16840), (686, 16870), (688, 16879), (690, 16885), (698, 16900), (699, 16903), (738, 17056),

Gene: Lunahalos_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Lunahalos_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: Lysidious_20 Start: 17174, Stop: 18820, Start Num: 150
Candidate Starts for Lysidious_20:
(Start: 130 @17138 has 17 MA's), (Start: 150 @17174 has 49 MA's), (199, 17276), (223, 17354), (224, 17357), (264, 17453), (278, 17492), (300, 17552), (306, 17573), (329, 17627), (334, 17642), (426, 17813), (435, 17843), (507, 18026), (513, 18050), (534, 18101), (562, 18194), (566, 18206), (582, 18251), (586, 18266), (628, 18398), (629, 18401), (654, 18500), (659, 18518), (672, 18569), (692, 18635), (709, 18698), (714, 18710),

Gene: MISSy_23 Start: 19258, Stop: 20937, Start Num: 119
Candidate Starts for MISSy_23:
(Start: 119 @19258 has 132 MA's), (Start: 169 @19342 has 49 MA's), (Start: 203 @19420 has 1 MA's), (231, 19507), (236, 19522), (259, 19570), (273, 19609), (305, 19696), (319, 19729), (333, 19765), (343, 19795), (345, 19801), (370, 19870), (399, 19900), (403, 19912), (404, 19915), (426, 19972), (483, 20104), (484, 20110), (505, 20176), (507, 20182), (513, 20206), (529, 20254), (540, 20278), (543, 20287), (562, 20362), (580, 20413), (585, 20428), (648, 20590), (654, 20617), (663, 20647), (689, 20752), (716, 20830), (723, 20866), (725, 20875), (732, 20908), (738, 20923),

Gene: MPhalcon_23 Start: 19252, Stop: 20931, Start Num: 119
Candidate Starts for MPhalcon_23:
(Start: 119 @19252 has 132 MA's), (Start: 169 @19336 has 49 MA's), (Start: 203 @19414 has 1 MA's), (231, 19501), (236, 19516), (259, 19564), (273, 19603), (305, 19690), (319, 19723), (333, 19759), (343, 19789), (345, 19795), (370, 19864), (399, 19894), (403, 19906), (404, 19909), (426, 19966), (483, 20098), (484, 20104), (505, 20170), (507, 20176), (513, 20200), (529, 20248), (540, 20272), (543, 20281), (562, 20356), (580, 20407), (585, 20422), (648, 20584), (654, 20611), (663, 20641), (689, 20746), (716, 20824), (723, 20860), (725, 20869), (732, 20902), (738, 20917),

Gene: MZKinsey_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for MZKinsey_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: MacGully_50 Start: 31627, Stop: 33198, Start Num: 121
Candidate Starts for MacGully_50:
(Start: 121 @31627 has 70 MA's), (129, 31636), (162, 31690), (168, 31702), (185, 31717), (259, 31900), (269, 31933), (287, 31969), (293, 31987), (304, 32026), (316, 32050), (324, 32065), (357,

32149), (379, 32182), (387, 32197), (417, 32254), (422, 32263), (435, 32305), (437, 32311), (442, 32326), (450, 32356), (488, 32431), (504, 32476), (553, 32584), (583, 32689), (585, 32695), (594, 32728), (678, 32971), (701, 33043), (704, 33058), (726, 33142), (729, 33160), (736, 33184),

Gene: MacKat_23 Start: 17165, Stop: 18931, Start Num: 82
Candidate Starts for MacKat_23:
(Start: 82 @17165 has 156 MA's), (Start: 103 @17195 has 1 MA's), (Start: 193 @17354 has 2 MA's), (204, 17387), (215, 17417), (225, 17450), (229, 17462), (268, 17552), (288, 17594), (309, 17666), (313, 17675), (330, 17714), (345, 17759), (346, 17762), (355, 17780), (356, 17783), (398, 17837), (404, 17855), (420, 17897), (423, 17903), (431, 17930), (481, 18068), (486, 18086), (500, 18128), (506, 18146), (516, 18176), (529, 18203), (561, 18308), (617, 18467), (628, 18503), (636, 18533), (639, 18542), (657, 18617), (671, 18668), (725, 18863), (733, 18902), (734, 18905), (745, 18923),

Gene: MacnCheese_23 Start: 17821, Stop: 19584, Start Num: 82
Candidate Starts for MacnCheese_23:
(Start: 77 @17812 has 26 MA's), (Start: 82 @17821 has 156 MA's), (158, 17923), (185, 17980), (204, 18031), (215, 18061), (222, 18085), (236, 18130), (313, 18325), (320, 18340), (345, 18409), (348, 18418), (355, 18430), (356, 18433), (404, 18505), (420, 18547), (423, 18553), (435, 18592), (446, 18628), (501, 18781), (535, 18868), (561, 18961), (584, 19036), (593, 19069), (613, 19099), (617, 19117), (630, 19165), (638, 19189), (645, 19216), (659, 19273), (671, 19318), (696, 19402), (701, 19420), (723, 19507), (725, 19516), (729, 19537), (733, 19555), (736, 19561), (745, 19576),

Gene: Maco6_19 Start: 15263, Stop: 17113, Start Num: 54
Candidate Starts for Maco6_19:
(44, 15227), (Start: 54 @15263 has 4 MA's), (Start: 100 @15341 has 3 MA's), (144, 15401), (177, 15467), (198, 15518), (204, 15533), (205, 15536), (323, 15842), (343, 15899), (346, 15908), (369, 15947), (374, 15950), (397, 16013), (404, 16034), (427, 16097), (430, 16106), (435, 16121), (443, 16145), (484, 16256), (497, 16295), (503, 16316), (513, 16352), (514, 16355), (535, 16397), (542, 16412), (544, 16418), (640, 16727), (642, 16736), (644, 16742), (647, 16754), (654, 16784), (659, 16802), (661, 16808), (696, 16928), (711, 16985), (731, 17072), (733, 17081),

Gene: MadKillah_57 Start: 33254, Stop: 34990, Start Num: 94
Candidate Starts for MadKillah_57:
(Start: 89 @33245 has 2 MA's), (Start: 94 @33254 has 30 MA's), (Start: 156 @33344 has 1 MA's), (207, 33461), (219, 33497), (226, 33518), (234, 33545), (236, 33551), (249, 33581), (261, 33605), (283, 33656), (333, 33794), (335, 33800), (352, 33851), (354, 33854), (359, 33872), (397, 33923), (404, 33944), (405, 33947), (424, 33995), (426, 34001), (440, 34049), (443, 34055), (445, 34061), (471, 34121), (481, 34145), (483, 34148), (497, 34193), (501, 34208), (504, 34217), (507, 34226), (522, 34271), (529, 34289), (543, 34322), (581, 34460), (587, 34481), (625, 34547), (632, 34577), (646, 34631), (656, 34673), (663, 34694), (667, 34715), (671, 34727), (676, 34748), (690, 34802), (716, 34880), (723, 34916), (727, 34937), (733, 34964),

Gene: MadamMonkfish_24 Start: 19164, Stop: 20843, Start Num: 119
Candidate Starts for MadamMonkfish_24:
(Start: 119 @19164 has 132 MA's), (Start: 169 @19248 has 49 MA's), (Start: 203 @19326 has 1 MA's), (231, 19413), (236, 19428), (259, 19476), (273, 19515), (305, 19602), (319, 19635), (333, 19671), (343, 19701), (345, 19707), (370, 19776), (399, 19806), (403, 19818), (404, 19821), (426, 19878), (483, 20010), (484, 20016), (505, 20082), (507, 20088), (513, 20112), (529, 20160), (540, 20184), (543, 20193), (562, 20268), (580, 20319), (585, 20334), (648, 20496), (654, 20523), (663, 20553), (689, 20658), (716, 20736), (723, 20772), (725, 20781), (732, 20814), (738, 20829),

Gene: Madavieve_19 Start: 18044, Stop: 19642, Start Num: 121
Candidate Starts for Madavieve_19:

(Start: 121 @18044 has 70 MA's), (247, 18302), (259, 18320), (260, 18323), (280, 18377), (306, 18452), (333, 18521), (336, 18530), (340, 18542), (357, 18593), (367, 18620), (376, 18629), (378, 18632), (425, 18665), (443, 18722), (474, 18788), (521, 18899), (550, 18959), (577, 19061), (593, 19118), (631, 19208), (692, 19448), (711, 19526),

Gene: Madeline_19 Start: 18062, Stop: 19660, Start Num: 121
Candidate Starts for Madeline_19:
(Start: 121 @18062 has 70 MA's), (240, 18311), (247, 18320), (259, 18338), (260, 18341), (280, 18395), (306, 18470), (333, 18539), (336, 18548), (340, 18560), (344, 18572), (357, 18611), (367, 18638), (376, 18647), (378, 18650), (424, 18680), (425, 18683), (443, 18740), (474, 18806), (503, 18884), (521, 18917), (539, 18941), (550, 18977), (577, 19079), (593, 19136), (619, 19181), (622, 19187), (631, 19226), (692, 19466), (711, 19544),

Gene: Madiba_17 Start: 14680, Stop: 16389, Start Num: 114
Candidate Starts for Madiba_17:
(Start: 114 @14680 has 231 MA's), (171, 14767), (Start: 193 @14812 has 2 MA's), (202, 14836), (234, 14941), (236, 14947), (242, 14965), (259, 14995), (299, 15100), (321, 15160), (330, 15181), (333, 15190), (341, 15214), (367, 15289), (371, 15301), (378, 15316), (381, 15322), (397, 15340), (402, 15355), (404, 15361), (410, 15382), (417, 15397), (418, 15400), (424, 15412), (426, 15418), (428, 15427), (440, 15466), (445, 15478), (446, 15484), (481, 15544), (485, 15556), (497, 15592), (500, 15604), (527, 15679), (529, 15688), (540, 15712), (549, 15742), (578, 15847), (581, 15859), (592, 15895), (621, 15931), (622, 15934), (631, 15973), (663, 16093), (671, 16126), (679, 16156), (686, 16186), (688, 16195), (690, 16201), (698, 16216), (699, 16219), (702, 16240), (703, 16243), (718, 16285), (723, 16315), (732, 16357),

Gene: Magsby_18 Start: 14986, Stop: 16695, Start Num: 119
Candidate Starts for Magsby_18:
(Start: 119 @14986 has 132 MA's), (139, 15013), (Start: 193 @15118 has 2 MA's), (197, 15130), (208, 15166), (225, 15217), (234, 15247), (236, 15253), (247, 15280), (252, 15286), (299, 15406), (318, 15460), (321, 15466), (329, 15484), (333, 15496), (334, 15499), (341, 15520), (356, 15562), (367, 15595), (397, 15646), (402, 15661), (417, 15703), (424, 15718), (426, 15724), (440, 15772), (447, 15796), (460, 15826), (481, 15850), (500, 15910), (504, 15922), (522, 15976), (527, 15985), (548, 16045), (549, 16048), (578, 16153), (580, 16162), (592, 16201), (647, 16339), (685, 16489), (686, 16492), (688, 16501), (698, 16522), (703, 16549), (716, 16585), (738, 16678),

Gene: Mahavrat_16 Start: 14801, Stop: 16510, Start Num: 114
Candidate Starts for Mahavrat_16:
(Start: 114 @14801 has 231 MA's), (171, 14888), (Start: 193 @14933 has 2 MA's), (202, 14957), (234, 15062), (236, 15068), (242, 15086), (259, 15116), (299, 15221), (318, 15275), (321, 15281), (330, 15302), (333, 15311), (341, 15335), (356, 15377), (367, 15410), (371, 15422), (378, 15437), (381, 15443), (397, 15461), (402, 15476), (404, 15482), (410, 15503), (417, 15518), (424, 15533), (426, 15539), (440, 15587), (445, 15599), (446, 15605), (481, 15665), (497, 15713), (500, 15725), (507, 15746), (527, 15800), (529, 15809), (540, 15833), (549, 15863), (578, 15968), (581, 15980), (592, 16016), (631, 16094), (679, 16277), (686, 16307), (688, 16316), (690, 16322), (698, 16337), (699, 16340), (702, 16361), (718, 16406), (732, 16478), (733, 16484),

Gene: Mahdia_18 Start: 14818, Stop: 16428, Start Num: 110
Candidate Starts for Mahdia_18:
(Start: 110 @14818 has 31 MA's), (Start: 126 @14827 has 11 MA's), (143, 14860), (174, 14911), (175, 14914), (240, 15091), (270, 15142), (317, 15265), (375, 15382), (405, 15421), (422, 15463), (445, 15535), (453, 15568), (462, 15580), (481, 15607), (485, 15619), (497, 15655), (498, 15658), (504, 15679), (518, 15724), (546, 15793), (547, 15796), (559, 15838), (562, 15856), (566, 15868), (621, 15982), (625, 15997), (627, 16006), (636, 16039), (640, 16054), (697, 16258), (701, 16273), (716,

16324), (726, 16372),

Gene: Majeke_19 Start: 16391, Stop: 18127, Start Num: 107
Candidate Starts for Majeke_19:
(Start: 107 @16391 has 54 MA's), (159, 16472), (161, 16475), (187, 16526), (Start: 209 @16589 has 11 MA's), (211, 16595), (225, 16634), (235, 16667), (244, 16691), (294, 16811), (298, 16826), (305, 16850), (307, 16856), (339, 16940), (354, 16982), (367, 17021), (370, 17027), (396, 17066), (397, 17072), (405, 17096), (426, 17150), (432, 17171), (450, 17231), (487, 17309), (500, 17348), (511, 17381), (529, 17447), (540, 17471), (547, 17495), (555, 17525), (559, 17537), (590, 17639), (593, 17651), (594, 17654), (596, 17660), (616, 17669), (646, 17777), (667, 17861), (693, 17960), (714, 18017), (725, 18068), (738, 18116),

Gene: MakCheese_20 Start: 16078, Stop: 17757, Start Num: 144
Candidate Starts for MakCheese_20:
(Start: 91 @16009 has 1 MA's), (105, 16027), (Start: 130 @16051 has 17 MA's), (Start: 138 @16063 has 2 MA's), (144, 16078), (174, 16135), (212, 16237), (223, 16267), (230, 16291), (237, 16312), (309, 16498), (379, 16639), (402, 16669), (405, 16678), (406, 16684), (516, 16993), (557, 17122), (559, 17125), (567, 17158), (627, 17326), (629, 17332), (654, 17431), (672, 17500), (701, 17593), (745, 17749),

Gene: Malachai_20 Start: 17128, Stop: 18774, Start Num: 150
Candidate Starts for Malachai_20:
(Start: 130 @17092 has 17 MA's), (Start: 150 @17128 has 49 MA's), (199, 17230), (223, 17308), (264, 17407), (278, 17446), (306, 17527), (329, 17581), (334, 17596), (426, 17767), (435, 17797), (507, 17980), (513, 18004), (534, 18055), (562, 18148), (566, 18160), (582, 18205), (586, 18220), (628, 18352), (629, 18355), (654, 18454), (659, 18472), (672, 18523), (692, 18589), (709, 18652), (714, 18664),

Gene: MalagasyRose_24 Start: 16589, Stop: 18388, Start Num: 56
Candidate Starts for MalagasyRose_24:
(Start: 56 @16589 has 2 MA's), (79, 16640), (83, 16646), (86, 16649), (162, 16739), (166, 16748), (175, 16769), (185, 16790), (226, 16904), (240, 16943), (248, 16958), (251, 16961), (279, 17030), (304, 17102), (315, 17132), (320, 17141), (332, 17171), (334, 17177), (336, 17183), (345, 17210), (356, 17234), (398, 17282), (406, 17309), (433, 17381), (463, 17474), (469, 17486), (479, 17519), (481, 17522), (500, 17582), (514, 17630), (516, 17633), (550, 17714), (567, 17792), (578, 17819), (580, 17828), (630, 17969), (636, 17987), (671, 18122), (672, 18128), (689, 18185), (701, 18221), (723, 18308), (733, 18356), (745, 18377),

Gene: Malibo_20 Start: 16515, Stop: 18137, Start Num: 113
Candidate Starts for Malibo_20:
(99, 16500), (Start: 113 @16515 has 31 MA's), (145, 16560), (175, 16611), (221, 16734), (222, 16737), (279, 16857), (299, 16911), (302, 16923), (313, 16953), (317, 16962), (327, 16983), (338, 17016), (347, 17043), (404, 17112), (409, 17130), (422, 17157), (427, 17175), (428, 17178), (432, 17190), (445, 17229), (447, 17241), (477, 17292), (481, 17298), (506, 17376), (559, 17529), (566, 17559), (567, 17562), (578, 17589), (594, 17625), (618, 17667), (636, 17730), (640, 17745), (648, 17775), (656, 17811), (659, 17820), (686, 17919), (701, 17967), (725, 18063), (731, 18093), (738, 18111),

Gene: Maliketh_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Maliketh_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780),

(567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Malithi_19 Start: 16310, Stop: 18046, Start Num: 107
Candidate Starts for Malithi_19:
(Start: 90 @16286 has 2 MA's), (Start: 107 @16310 has 54 MA's), (148, 16370), (159, 16391), (161, 16394), (211, 16514), (225, 16553), (235, 16586), (244, 16610), (294, 16730), (305, 16769), (307, 16775), (339, 16859), (341, 16865), (345, 16877), (354, 16901), (362, 16928), (370, 16946), (396, 16985), (397, 16991), (405, 17015), (426, 17069), (429, 17081), (432, 17090), (450, 17150), (487, 17228), (500, 17267), (511, 17300), (529, 17366), (537, 17381), (540, 17390), (547, 17414), (555, 17444), (559, 17456), (590, 17558), (593, 17570), (594, 17573), (596, 17579), (616, 17588), (646, 17696), (667, 17780), (693, 17879), (725, 17987), (738, 18035),

Gene: Malthus_25 Start: 18546, Stop: 20333, Start Num: 82
Candidate Starts for Malthus_25:
(Start: 64 @18507 has 1 MA's), (Start: 77 @18537 has 26 MA's), (Start: 80 @18543 has 43 MA's), (Start: 82 @18546 has 156 MA's), (Start: 100 @18561 has 3 MA's), (135, 18603), (160, 18651), (177, 18690), (185, 18705), (Start: 193 @18723 has 2 MA's), (204, 18756), (215, 18786), (229, 18831), (236, 18849), (268, 18921), (269, 18927), (284, 18957), (286, 18960), (305, 19023), (309, 19035), (369, 19170), (382, 19188), (402, 19218), (404, 19224), (409, 19242), (423, 19272), (435, 19311), (481, 19437), (501, 19500), (561, 19701), (578, 19755), (591, 19800), (609, 19845), (617, 19869), (627, 19902), (636, 19935), (654, 20007), (657, 20019), (671, 20070), (672, 20076), (702, 20178), (733, 20304), (745, 20325),

Gene: Manasvini_19 Start: 17773, Stop: 19371, Start Num: 121
Candidate Starts for Manasvini_19:
(Start: 121 @17773 has 70 MA's), (240, 18022), (247, 18031), (259, 18049), (260, 18052), (280, 18106), (306, 18181), (333, 18250), (336, 18259), (340, 18271), (357, 18322), (367, 18349), (376, 18358), (378, 18361), (424, 18391), (425, 18394), (443, 18451), (474, 18517), (503, 18595), (521, 18628), (539, 18652), (550, 18688), (577, 18790), (593, 18847), (619, 18892), (622, 18898), (631, 18937), (692, 19177), (711, 19255),

Gene: Manda_25 Start: 20231, Stop: 21910, Start Num: 119
Candidate Starts for Manda_25:
(Start: 119 @20231 has 132 MA's), (Start: 169 @20315 has 49 MA's), (Start: 203 @20393 has 1 MA's), (231, 20480), (236, 20495), (259, 20543), (273, 20582), (305, 20669), (319, 20702), (333, 20738), (343, 20768), (345, 20774), (370, 20843), (399, 20873), (403, 20885), (404, 20888), (426, 20945), (483, 21077), (484, 21083), (505, 21149), (507, 21155), (513, 21179), (529, 21227), (540, 21251), (543, 21260), (562, 21335), (580, 21386), (585, 21401), (648, 21563), (654, 21590), (663, 21620), (689, 21725), (716, 21803), (723, 21839), (725, 21848), (732, 21881), (738, 21896),

Gene: Mandlovu_16 Start: 14904, Stop: 16613, Start Num: 114
Candidate Starts for Mandlovu_16:
(Start: 114 @14904 has 231 MA's), (171, 14991), (Start: 193 @15036 has 2 MA's), (202, 15060), (234, 15165), (236, 15171), (242, 15189), (259, 15219), (299, 15324), (321, 15384), (330, 15405), (333, 15414), (341, 15438), (397, 15564), (402, 15579), (404, 15585), (417, 15621), (418, 15624), (424, 15636), (426, 15642), (440, 15690), (445, 15702), (446, 15708), (481, 15768), (485, 15780), (497, 15816), (500, 15828), (527, 15903), (529, 15912), (538, 15930), (540, 15936), (549, 15966), (578, 16071), (580, 16080), (581, 16083), (592, 16119), (631, 16197), (656, 16296), (663, 16317), (671, 16350), (679, 16380), (686, 16410), (688, 16419), (690, 16425), (698, 16440), (699, 16443), (703, 16467), (714, 16497), (718, 16509), (723, 16539), (732, 16581),

Gene: Mangethe_19 Start: 16391, Stop: 18127, Start Num: 107

Candidate Starts for Mangethe_19:
(Start: 107 @16391 has 54 MA's), (159, 16472), (161, 16475), (187, 16526), (Start: 209 @16589 has 11 MA's), (211, 16595), (225, 16634), (235, 16667), (244, 16691), (294, 16811), (298, 16826), (305, 16850), (307, 16856), (339, 16940), (354, 16982), (367, 17021), (370, 17027), (396, 17066), (397, 17072), (405, 17096), (426, 17150), (432, 17171), (450, 17231), (487, 17309), (500, 17348), (511, 17381), (529, 17447), (540, 17471), (547, 17495), (555, 17525), (559, 17537), (590, 17639), (593, 17651), (594, 17654), (596, 17660), (616, 17669), (646, 17777), (667, 17861), (693, 17960), (714, 18017), (725, 18068), (738, 18116),

Gene: Manilisa_23 Start: 19041, Stop: 20699, Start Num: 109
Candidate Starts for Manilisa_23:
(39, 18852), (49, 18912), (85, 19005), (Start: 109 @19041 has 43 MA's), (Start: 121 @19053 has 70 MA's), (185, 19167), (187, 19173), (205, 19221), (214, 19251), (232, 19317), (234, 19323), (288, 19434), (291, 19443), (298, 19470), (300, 19476), (301, 19479), (307, 19500), (402, 19671), (403, 19674), (427, 19740), (432, 19755), (462, 19839), (473, 19848), (490, 19890), (497, 19911), (512, 19959), (514, 19971), (527, 19998), (551, 20067), (565, 20136), (578, 20169), (605, 20226), (628, 20277), (646, 20346), (659, 20397), (668, 20433), (672, 20448), (689, 20505), (692, 20514), (715, 20592), (717, 20598),

Gene: Mantra_16 Start: 14903, Stop: 16612, Start Num: 114
Candidate Starts for Mantra_16:
(Start: 114 @14903 has 231 MA's), (171, 14990), (Start: 193 @15035 has 2 MA's), (202, 15059), (219, 15116), (234, 15164), (236, 15170), (242, 15188), (259, 15218), (299, 15323), (318, 15377), (321, 15383), (325, 15392), (333, 15413), (341, 15437), (354, 15473), (356, 15479), (367, 15512), (369, 15515), (371, 15524), (378, 15539), (381, 15545), (397, 15563), (402, 15578), (404, 15584), (409, 15602), (410, 15605), (417, 15620), (424, 15635), (426, 15641), (440, 15689), (445, 15701), (446, 15707), (481, 15767), (485, 15779), (497, 15815), (500, 15827), (527, 15902), (529, 15911), (538, 15929), (540, 15935), (549, 15965), (578, 16070), (581, 16082), (592, 16118), (631, 16196), (663, 16316), (671, 16349), (679, 16379), (681, 16391), (686, 16409), (687, 16415), (688, 16418), (690, 16424), (698, 16439), (699, 16442), (702, 16463), (703, 16466), (718, 16508), (723, 16538), (732, 16580), (733, 16586),

Gene: Maravista_16 Start: 14752, Stop: 16461, Start Num: 114
Candidate Starts for Maravista_16:
(Start: 114 @14752 has 231 MA's), (171, 14839), (Start: 193 @14884 has 2 MA's), (202, 14908), (234, 15013), (236, 15019), (242, 15037), (259, 15067), (299, 15172), (321, 15232), (330, 15253), (333, 15262), (339, 15280), (341, 15286), (397, 15412), (402, 15427), (404, 15433), (417, 15469), (418, 15472), (424, 15484), (426, 15490), (440, 15538), (445, 15550), (446, 15556), (481, 15616), (485, 15628), (497, 15664), (500, 15676), (527, 15751), (529, 15760), (538, 15778), (540, 15784), (549, 15814), (578, 15919), (580, 15928), (581, 15931), (592, 15967), (631, 16045), (656, 16144), (663, 16165), (671, 16198), (679, 16228), (686, 16258), (688, 16267), (690, 16273), (698, 16288), (699, 16291), (703, 16315), (714, 16345), (718, 16357), (723, 16387), (732, 16429),

Gene: Marcoliusprime_19 Start: 15013, Stop: 16782, Start Num: 80
Candidate Starts for Marcoliusprime_19:
(Start: 64 @14977 has 1 MA's), (Start: 77 @15007 has 26 MA's), (Start: 80 @15013 has 43 MA's), (Start: 97 @15028 has 61 MA's), (135, 15070), (160, 15118), (177, 15157), (185, 15172), (204, 15223), (215, 15253), (225, 15286), (229, 15298), (236, 15316), (268, 15388), (269, 15394), (305, 15490), (309, 15502), (348, 15604), (356, 15619), (382, 15655), (404, 15691), (423, 15739), (435, 15778), (443, 15802), (446, 15814), (481, 15904), (484, 15913), (561, 16159), (578, 16213), (593, 16267), (636, 16381), (639, 16390), (657, 16465), (671, 16516), (672, 16522), (697, 16603), (701, 16618), (717, 16672), (733, 16753), (745, 16774),

Gene: Mareelih_99 Start: 59450, Stop: 61078, Start Num: 112
Candidate Starts for Mareelih_99:
(Start: 112 @59450 has 4 MA's), (129, 59465), (132, 59468), (145, 59495), (177, 59552), (195, 59588), (205, 59621), (216, 59651), (217, 59654), (240, 59723), (248, 59729), (315, 59894), (333, 59936), (336, 59945), (339, 59954), (343, 59966), (416, 60086), (481, 60239), (500, 60299), (552, 60446), (555, 60467), (559, 60482), (583, 60560), (585, 60566), (636, 60683), (640, 60698), (654, 60755), (663, 60785), (671, 60818), (704, 60938), (738, 61067),

Gene: Maridalia_18 Start: 17773, Stop: 19371, Start Num: 121
Candidate Starts for Maridalia_18:
(Start: 121 @17773 has 70 MA's), (240, 18022), (247, 18031), (259, 18049), (260, 18052), (280, 18106), (306, 18181), (333, 18250), (336, 18259), (340, 18271), (357, 18322), (367, 18349), (376, 18358), (378, 18361), (424, 18391), (425, 18394), (443, 18451), (474, 18517), (503, 18595), (521, 18628), (539, 18652), (550, 18688), (577, 18790), (593, 18847), (619, 18892), (622, 18898), (631, 18937), (692, 19177), (711, 19255),

Gene: Marietta_43 Start: 27926, Stop: 29506, Start Num: 141
Candidate Starts for Marietta_43:
(Start: 109 @27890 has 43 MA's), (Start: 121 @27902 has 70 MA's), (Start: 141 @27926 has 1 MA's), (185, 28004), (259, 28187), (280, 28244), (287, 28256), (292, 28271), (316, 28337), (324, 28352), (332, 28376), (365, 28463), (368, 28469), (385, 28493), (417, 28553), (428, 28583), (435, 28604), (480, 28709), (488, 28730), (531, 28817), (549, 28865), (583, 28991), (593, 29027), (656, 29192), (662, 29210), (671, 29246), (721, 29420), (723, 29432), (738, 29489),

Gene: MarkPhew_23 Start: 16287, Stop: 18053, Start Num: 82
Candidate Starts for MarkPhew_23:
(Start: 64 @16248 has 1 MA's), (Start: 77 @16278 has 26 MA's), (Start: 82 @16287 has 156 MA's), (Start: 103 @16317 has 1 MA's), (185, 16458), (204, 16509), (225, 16572), (268, 16674), (269, 16680), (284, 16710), (313, 16797), (330, 16836), (346, 16884), (355, 16902), (382, 16941), (384, 16944), (398, 16959), (402, 16971), (404, 16977), (409, 16995), (420, 17019), (423, 17025), (431, 17052), (481, 17190), (486, 17208), (547, 17370), (551, 17382), (561, 17430), (584, 17505), (593, 17538), (595, 17544), (617, 17589), (627, 17622), (629, 17628), (636, 17655), (657, 17739), (671, 17790), (701, 17889), (725, 17985), (745, 18045),

Gene: Marker_17 Start: 14655, Stop: 16364, Start Num: 114
Candidate Starts for Marker_17:
(Start: 114 @14655 has 231 MA's), (171, 14742), (Start: 193 @14787 has 2 MA's), (202, 14811), (234, 14916), (236, 14922), (242, 14940), (259, 14970), (299, 15075), (321, 15135), (330, 15156), (333, 15165), (341, 15189), (367, 15264), (397, 15315), (402, 15330), (404, 15336), (417, 15372), (418, 15375), (424, 15387), (426, 15393), (440, 15441), (445, 15453), (446, 15459), (481, 15519), (485, 15531), (497, 15567), (500, 15579), (527, 15654), (529, 15663), (538, 15681), (540, 15687), (549, 15717), (578, 15822), (581, 15834), (592, 15870), (631, 15948), (656, 16047), (663, 16068), (671, 16101), (679, 16131), (686, 16161), (688, 16170), (690, 16176), (698, 16191), (699, 16194), (703, 16218), (718, 16260), (732, 16332),

Gene: Marleymoo_41 Start: 30187, Stop: 31920, Start Num: 113
Candidate Starts for Marleymoo_41:
(Start: 113 @30187 has 31 MA's), (Start: 169 @30277 has 49 MA's), (189, 30325), (244, 30484), (260, 30514), (296, 30613), (307, 30649), (308, 30655), (319, 30676), (345, 30748), (348, 30757), (356, 30778), (381, 30847), (404, 30886), (405, 30889), (409, 30904), (426, 30943), (440, 30991), (445, 31003), (446, 31009), (472, 31066), (483, 31087), (487, 31105), (503, 31153), (538, 31255), (559, 31327), (585, 31411), (588, 31423), (590, 31429), (593, 31441), (594, 31444), (624, 31483), (629, 31501), (639, 31537), (640, 31543), (663, 31630), (685, 31720), (701, 31762), (705, 31780), (715,

31810), (724, 31852), (738, 31906),

Gene: Marmie_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Marmie_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Marshawn_24 Start: 16905, Stop: 18671, Start Num: 82
Candidate Starts for Marshawn_24:
(Start: 64 @16866 has 1 MA's), (Start: 77 @16896 has 26 MA's), (Start: 82 @16905 has 156 MA's), (Start: 87 @16911 has 18 MA's), (Start: 103 @16935 has 1 MA's), (177, 17061), (185, 17076), (Start: 193 @17094 has 2 MA's), (215, 17157), (225, 17190), (229, 17202), (236, 17220), (268, 17292), (298, 17370), (313, 17415), (319, 17427), (330, 17454), (355, 17520), (382, 17559), (384, 17562), (398, 17577), (402, 17589), (404, 17595), (420, 17637), (423, 17643), (481, 17808), (486, 17826), (506, 17886), (516, 17916), (529, 17943), (541, 17967), (547, 17988), (551, 18000), (561, 18048), (584, 18123), (595, 18162), (627, 18240), (629, 18246), (632, 18261), (636, 18273), (639, 18282), (657, 18357), (671, 18408), (701, 18507), (729, 18624), (733, 18642), (745, 18663),

Gene: Marshmallow_24 Start: 19829, Stop: 21424, Start Num: 169
Candidate Starts for Marshmallow_24:
(Start: 119 @19745 has 132 MA's), (Start: 169 @19829 has 49 MA's), (Start: 203 @19907 has 1 MA's), (231, 19994), (236, 20009), (259, 20057), (273, 20096), (305, 20183), (319, 20216), (333, 20252), (343, 20282), (345, 20288), (370, 20357), (399, 20387), (403, 20399), (404, 20402), (426, 20459), (483, 20591), (484, 20597), (505, 20663), (507, 20669), (513, 20693), (529, 20741), (540, 20765), (543, 20774), (562, 20849), (580, 20900), (585, 20915), (648, 21077), (654, 21104), (663, 21134), (689, 21239), (716, 21317), (723, 21353), (725, 21362), (732, 21395), (738, 21410),

Gene: Marteena_20 Start: 17566, Stop: 19272, Start Num: 110
Candidate Starts for Marteena_20:
(Start: 91 @17542 has 1 MA's), (Start: 110 @17566 has 31 MA's), (175, 17671), (195, 17713), (219, 17788), (264, 17902), (315, 18049), (319, 18055), (336, 18100), (416, 18238), (442, 18313), (550, 18595), (554, 18616), (575, 18691), (612, 18778), (623, 18814), (630, 18847), (632, 18853), (649, 18919), (657, 18949), (698, 19105), (700, 19111), (702, 19129), (730, 19240),

Gene: Martik_16 Start: 14813, Stop: 16522, Start Num: 114
Candidate Starts for Martik_16:
(Start: 114 @14813 has 231 MA's), (171, 14900), (Start: 193 @14945 has 2 MA's), (202, 14969), (234, 15074), (236, 15080), (242, 15098), (259, 15128), (299, 15233), (318, 15287), (321, 15293), (325, 15302), (333, 15323), (341, 15347), (354, 15383), (356, 15389), (367, 15422), (369, 15425), (371, 15434), (378, 15449), (381, 15455), (397, 15473), (402, 15488), (404, 15494), (409, 15512), (410, 15515), (417, 15530), (424, 15545), (426, 15551), (440, 15599), (445, 15611), (446, 15617), (481, 15677), (485, 15689), (497, 15725), (500, 15737), (527, 15812), (529, 15821), (538, 15839), (540, 15845), (549, 15875), (578, 15980), (581, 15992), (592, 16028), (631, 16106), (663, 16226), (671, 16259), (679, 16289), (681, 16301), (686, 16319), (687, 16325), (688, 16328), (690, 16334), (698, 16349), (699, 16352), (702, 16373), (703, 16376), (718, 16418), (723, 16448), (732, 16490), (733, 16496),

Gene: Maselop_45 Start: 31376, Stop: 32950, Start Num: 121
Candidate Starts for Maselop_45:

(Start: 121 @31376 has 70 MA's), (129, 31385), (162, 31439), (183, 31463), (185, 31466), (293, 31736), (316, 31799), (324, 31814), (379, 31931), (387, 31946), (417, 32003), (422, 32012), (435, 32054), (442, 32075), (450, 32105), (482, 32162), (508, 32237), (553, 32333), (583, 32438), (584, 32441), (592, 32468), (632, 32546), (643, 32585), (682, 32741), (704, 32807),

Gene: Matteo_17 Start: 14694, Stop: 16403, Start Num: 123
Candidate Starts for Matteo_17:
(42, 14523), (51, 14559), (Start: 123 @14694 has 61 MA's), (186, 14811), (210, 14883), (211, 14886), (224, 14922), (236, 14961), (292, 15084), (298, 15105), (324, 15174), (326, 15177), (376, 15309), (395, 15363), (424, 15444), (443, 15504), (445, 15510), (531, 15669), (539, 15687), (544, 15702), (551, 15726), (567, 15798), (568, 15801), (577, 15822), (654, 16056), (658, 16071), (669, 16113), (691, 16206), (692, 16209), (702, 16257), (711, 16287), (716, 16299),

Gene: Mattes_16 Start: 14804, Stop: 16513, Start Num: 114
Candidate Starts for Mattes_16:
(Start: 114 @14804 has 231 MA's), (171, 14891), (Start: 193 @14936 has 2 MA's), (202, 14960), (219, 15017), (234, 15065), (236, 15071), (242, 15089), (259, 15119), (299, 15224), (318, 15278), (321, 15284), (325, 15293), (333, 15314), (341, 15338), (354, 15374), (356, 15380), (367, 15413), (369, 15416), (371, 15425), (378, 15440), (381, 15446), (397, 15464), (402, 15479), (404, 15485), (409, 15503), (410, 15506), (417, 15521), (424, 15536), (426, 15542), (440, 15590), (445, 15602), (446, 15608), (481, 15668), (485, 15680), (497, 15716), (500, 15728), (527, 15803), (529, 15812), (538, 15830), (540, 15836), (549, 15866), (578, 15971), (581, 15983), (592, 16019), (631, 16097), (663, 16217), (671, 16250), (679, 16280), (681, 16292), (686, 16310), (687, 16316), (688, 16319), (690, 16325), (698, 16340), (699, 16343), (702, 16364), (703, 16367), (718, 16409), (723, 16439), (732, 16481), (733, 16487),

Gene: Maxxinista_25 Start: 19297, Stop: 20892, Start Num: 169
Candidate Starts for Maxxinista_25:
(Start: 119 @19213 has 132 MA's), (Start: 169 @19297 has 49 MA's), (Start: 203 @19375 has 1 MA's), (231, 19462), (236, 19477), (259, 19525), (273, 19564), (305, 19651), (319, 19684), (333, 19720), (343, 19750), (345, 19756), (370, 19825), (399, 19855), (403, 19867), (404, 19870), (426, 19927), (483, 20059), (484, 20065), (505, 20131), (507, 20137), (513, 20161), (529, 20209), (540, 20233), (543, 20242), (562, 20317), (580, 20368), (585, 20383), (648, 20545), (654, 20572), (663, 20602), (689, 20707), (716, 20785), (723, 20821), (725, 20830), (732, 20863), (738, 20878),

Gene: Mbo4_17 Start: 15757, Stop: 17310, Start Num: 121
Candidate Starts for Mbo4_17:
(51, 15625), (Start: 121 @15757 has 70 MA's), (260, 16027), (272, 16066), (314, 16177), (378, 16333), (446, 16435), (474, 16471), (488, 16507), (531, 16594), (539, 16612), (547, 16639), (558, 16690), (647, 16933), (711, 17194), (717, 17209), (727, 17263),

Gene: McMater_23 Start: 16514, Stop: 18280, Start Num: 82
Candidate Starts for McMater_23:
(Start: 77 @16505 has 26 MA's), (Start: 82 @16514 has 156 MA's), (Start: 87 @16520 has 18 MA's), (Start: 103 @16544 has 1 MA's), (135, 16583), (177, 16670), (185, 16685), (Start: 193 @16703 has 2 MA's), (204, 16736), (268, 16901), (284, 16937), (309, 17015), (313, 17024), (355, 17129), (356, 17132), (384, 17171), (402, 17198), (404, 17204), (420, 17246), (423, 17252), (431, 17279), (481, 17417), (486, 17435), (516, 17525), (529, 17552), (544, 17585), (561, 17657), (578, 17711), (588, 17747), (595, 17771), (617, 17816), (627, 17849), (630, 17864), (636, 17882), (639, 17891), (657, 17966), (671, 18017), (672, 18023), (702, 18125), (733, 18251), (734, 18254), (745, 18272),

Gene: Mcklovin_20 Start: 20071, Stop: 21651, Start Num: 121
Candidate Starts for Mcklovin_20:

(53, 19954), (Start: 121 @20071 has 70 MA's), (247, 20329), (260, 20350), (280, 20404), (295, 20443), (314, 20500), (324, 20521), (425, 20692), (430, 20710), (438, 20734), (445, 20755), (474, 20797), (504, 20878), (550, 20968), (577, 21070), (578, 21073), (593, 21127), (631, 21217), (701, 21496), (702, 21505), (711, 21535),

Gene: Mdavu_19 Start: 16685, Stop: 18451, Start Num: 82
Candidate Starts for Mdavu_19:
(Start: 82 @16685 has 156 MA's), (Start: 87 @16691 has 18 MA's), (Start: 103 @16715 has 1 MA's), (177, 16841), (185, 16856), (Start: 193 @16874 has 2 MA's), (215, 16937), (268, 17072), (269, 17078), (309, 17186), (313, 17195), (355, 17300), (402, 17369), (404, 17375), (417, 17411), (423, 17423), (443, 17486), (481, 17588), (486, 17606), (500, 17648), (501, 17651), (544, 17756), (561, 17828), (593, 17936), (595, 17942), (617, 17987), (632, 18041), (639, 18062), (657, 18137), (671, 18188), (701, 18287), (704, 18302), (716, 18338), (725, 18383), (733, 18422), (734, 18425), (745, 18443),

Gene: MeaningOfLife_23 Start: 17124, Stop: 18890, Start Num: 82
Candidate Starts for MeaningOfLife_23:
(Start: 82 @17124 has 156 MA's), (Start: 103 @17154 has 1 MA's), (Start: 193 @17313 has 2 MA's), (204, 17346), (215, 17376), (225, 17409), (229, 17421), (268, 17511), (288, 17553), (309, 17625), (313, 17634), (330, 17673), (345, 17718), (355, 17739), (356, 17742), (398, 17796), (404, 17814), (420, 17856), (423, 17862), (431, 17889), (481, 18027), (486, 18045), (500, 18087), (506, 18105), (516, 18135), (529, 18162), (561, 18267), (617, 18426), (628, 18462), (636, 18492), (639, 18501), (657, 18576), (671, 18627), (725, 18822), (733, 18861), (734, 18864), (745, 18882),

Gene: Medindi_16 Start: 14802, Stop: 16511, Start Num: 114
Candidate Starts for Medindi_16:
(Start: 114 @14802 has 231 MA's), (171, 14889), (Start: 193 @14934 has 2 MA's), (202, 14958), (234, 15063), (236, 15069), (242, 15087), (259, 15117), (299, 15222), (321, 15282), (330, 15303), (333, 15312), (341, 15336), (367, 15411), (369, 15414), (397, 15462), (402, 15477), (404, 15483), (417, 15519), (418, 15522), (424, 15534), (426, 15540), (440, 15588), (445, 15600), (446, 15606), (481, 15666), (485, 15678), (497, 15714), (500, 15726), (527, 15801), (529, 15810), (538, 15828), (540, 15834), (549, 15864), (578, 15969), (580, 15978), (581, 15981), (592, 16017), (631, 16095), (656, 16194), (663, 16215), (671, 16248), (679, 16278), (686, 16308), (688, 16317), (690, 16323), (698, 16338), (699, 16341), (703, 16365), (714, 16395), (718, 16407), (723, 16437), (732, 16479),

Gene: Megiddo_19 Start: 16273, Stop: 18009, Start Num: 107
Candidate Starts for Megiddo_19:
(Start: 90 @16249 has 2 MA's), (Start: 107 @16273 has 54 MA's), (148, 16333), (159, 16354), (161, 16357), (211, 16477), (225, 16516), (235, 16549), (244, 16573), (294, 16693), (305, 16732), (307, 16738), (339, 16822), (341, 16828), (345, 16840), (354, 16864), (362, 16891), (370, 16909), (396, 16948), (397, 16954), (405, 16978), (426, 17032), (429, 17044), (432, 17053), (450, 17113), (487, 17191), (500, 17230), (511, 17263), (529, 17329), (540, 17353), (547, 17377), (555, 17407), (590, 17521), (593, 17533), (596, 17542), (616, 17551), (646, 17659), (667, 17743), (693, 17842), (725, 17950), (738, 17998),

Gene: Megsy_23 Start: 17125, Stop: 18891, Start Num: 82
Candidate Starts for Megsy_23:
(Start: 82 @17125 has 156 MA's), (Start: 103 @17155 has 1 MA's), (Start: 193 @17314 has 2 MA's), (204, 17347), (215, 17377), (225, 17410), (229, 17422), (268, 17512), (288, 17554), (306, 17617), (309, 17626), (313, 17635), (330, 17674), (345, 17719), (355, 17740), (356, 17743), (404, 17815), (420, 17857), (423, 17863), (431, 17890), (481, 18028), (486, 18046), (500, 18088), (506, 18106), (516, 18136), (529, 18163), (561, 18268), (617, 18427), (628, 18463), (636, 18493), (639, 18502), (657, 18577), (671, 18628), (725, 18823), (733, 18862), (734, 18865), (745, 18883),

Gene: MelBins_34 Start: 29286, Stop: 30911, Start Num: 123
Candidate Starts for MelBins_34:
(Start: 123 @29286 has 61 MA's), (132, 29298), (151, 29331), (157, 29340), (164, 29352), (177, 29382), (Start: 193 @29415 has 2 MA's), (221, 29499), (225, 29511), (262, 29586), (290, 29646), (299, 29676), (405, 29883), (416, 29913), (432, 29958), (436, 29970), (450, 30018), (481, 30066), (504, 30138), (513, 30171), (514, 30174), (532, 30213), (546, 30252), (566, 30339), (567, 30342), (602, 30420), (628, 30480), (640, 30525), (659, 30606), (673, 30660), (697, 30741), (701, 30756), (732, 30885), (738, 30900),

Gene: Melba_19 Start: 16650, Stop: 18296, Start Num: 150
Candidate Starts for Melba_19:
(Start: 130 @16614 has 17 MA's), (Start: 150 @16650 has 49 MA's), (199, 16752), (223, 16830), (224, 16833), (264, 16929), (278, 16968), (306, 17049), (329, 17103), (334, 17118), (426, 17289), (435, 17319), (507, 17502), (513, 17526), (514, 17529), (534, 17577), (562, 17670), (566, 17682), (582, 17727), (586, 17742), (628, 17874), (629, 17877), (654, 17976), (659, 17994), (672, 18045), (692, 18111), (709, 18174), (714, 18186),

Gene: Melissauren88_16 Start: 14837, Stop: 16546, Start Num: 114
Candidate Starts for Melissauren88_16:
(Start: 114 @14837 has 231 MA's), (171, 14924), (Start: 193 @14969 has 2 MA's), (202, 14993), (234, 15098), (236, 15104), (242, 15122), (259, 15152), (299, 15257), (321, 15317), (330, 15338), (333, 15347), (339, 15365), (341, 15371), (397, 15497), (402, 15512), (404, 15518), (417, 15554), (418, 15557), (424, 15569), (426, 15575), (440, 15623), (445, 15635), (446, 15641), (481, 15701), (485, 15713), (497, 15749), (500, 15761), (527, 15836), (529, 15845), (538, 15863), (540, 15869), (549, 15899), (578, 16004), (580, 16013), (581, 16016), (592, 16052), (631, 16130), (656, 16229), (663, 16250), (671, 16283), (679, 16313), (686, 16343), (688, 16352), (690, 16358), (698, 16373), (699, 16376), (703, 16400), (714, 16430), (718, 16442), (723, 16472), (732, 16514),

Gene: Mellie_18 Start: 16411, Stop: 18057, Start Num: 150
Candidate Starts for Mellie_18:
(Start: 130 @16375 has 17 MA's), (Start: 150 @16411 has 49 MA's), (199, 16513), (223, 16591), (224, 16594), (264, 16690), (278, 16729), (300, 16789), (306, 16810), (329, 16864), (334, 16879), (398, 16975), (426, 17050), (435, 17080), (507, 17263), (513, 17287), (534, 17338), (562, 17431), (566, 17443), (582, 17488), (586, 17503), (628, 17635), (629, 17638), (654, 17737), (659, 17755), (672, 17806), (690, 17866), (692, 17872), (709, 17935), (714, 17947),

Gene: Melville_18 Start: 14989, Stop: 16698, Start Num: 119
Candidate Starts for Melville_18:
(Start: 119 @14989 has 132 MA's), (139, 15016), (Start: 193 @15121 has 2 MA's), (197, 15133), (208, 15169), (225, 15220), (234, 15250), (236, 15256), (247, 15283), (252, 15289), (299, 15409), (318, 15463), (321, 15469), (329, 15487), (333, 15499), (334, 15502), (341, 15523), (356, 15565), (367, 15598), (397, 15649), (402, 15664), (417, 15706), (424, 15721), (426, 15727), (440, 15775), (447, 15799), (460, 15829), (481, 15853), (500, 15913), (504, 15925), (522, 15979), (527, 15988), (548, 16048), (549, 16051), (578, 16156), (580, 16165), (592, 16204), (647, 16342), (685, 16492), (686, 16495), (688, 16504), (698, 16525), (703, 16552), (716, 16588), (738, 16681),

Gene: MerCougar_42 Start: 30743, Stop: 32359, Start Num: 109
Candidate Starts for MerCougar_42:
(Start: 109 @30743 has 43 MA's), (185, 30857), (216, 30941), (292, 31124), (316, 31190), (324, 31205), (332, 31229), (333, 31232), (365, 31316), (385, 31346), (415, 31397), (417, 31406), (425, 31424), (434, 31454), (442, 31478), (480, 31562), (488, 31583), (505, 31631), (531, 31670), (549, 31718), (583, 31844), (593, 31880), (643, 31991), (659, 32054), (663, 32066), (714, 32243), (723, 32285), (738, 32342),

Gene: Mercurio_20 Start: 17337, Stop: 19148, Start Num: 59
Candidate Starts for Mercurio_20:
(16, 16770), (43, 17289), (50, 17307), (Start: 59 @17337 has 1 MA's), (160, 17487), (185, 17541), (204, 17592), (215, 17622), (222, 17646), (256, 17724), (288, 17799), (404, 18069), (406, 18078), (423, 18117), (435, 18156), (445, 18186), (461, 18240), (481, 18282), (529, 18423), (561, 18528), (567, 18555), (601, 18648), (627, 18720), (644, 18783), (648, 18798), (653, 18822), (671, 18888), (701, 18987), (725, 19083), (736, 19128),

Gene: Meyran_21 Start: 18916, Stop: 20562, Start Num: 121
Candidate Starts for Meyran_21:
(39, 18715), (49, 18775), (85, 18868), (Start: 109 @18904 has 43 MA's), (Start: 121 @18916 has 70 MA's), (185, 19030), (187, 19036), (205, 19084), (232, 19180), (234, 19186), (288, 19297), (291, 19306), (298, 19333), (300, 19339), (301, 19342), (307, 19363), (402, 19534), (403, 19537), (427, 19603), (432, 19618), (462, 19702), (473, 19711), (490, 19753), (497, 19774), (512, 19822), (514, 19834), (527, 19861), (551, 19930), (565, 19999), (578, 20032), (605, 20089), (628, 20140), (646, 20209), (659, 20260), (668, 20296), (672, 20311), (689, 20368), (692, 20377), (702, 20416), (715, 20455), (717, 20461),

Gene: MiaZeal_34 Start: 24890, Stop: 26623, Start Num: 113
Candidate Starts for MiaZeal_34:
(Start: 113 @24890 has 31 MA's), (Start: 169 @24980 has 49 MA's), (171, 24983), (202, 25058), (Start: 209 @25085 has 11 MA's), (231, 25151), (244, 25187), (260, 25217), (266, 25232), (296, 25316), (307, 25352), (319, 25379), (334, 25418), (345, 25451), (348, 25460), (369, 25517), (386, 25559), (422, 25634), (426, 25646), (445, 25706), (470, 25760), (483, 25790), (487, 25808), (491, 25817), (501, 25850), (505, 25862), (507, 25868), (520, 25907), (540, 25964), (585, 26114), (590, 26132), (621, 26174), (627, 26198), (628, 26201), (631, 26216), (640, 26246), (648, 26276), (663, 26333), (705, 26483), (734, 26603), (738, 26609),

Gene: MichaelScott_20 Start: 17703, Stop: 19283, Start Num: 121
Candidate Starts for MichaelScott_20:
(53, 17586), (Start: 121 @17703 has 70 MA's), (247, 17961), (260, 17982), (280, 18036), (295, 18075), (314, 18132), (324, 18153), (425, 18324), (430, 18342), (438, 18366), (445, 18387), (474, 18429), (504, 18510), (550, 18600), (559, 18645), (577, 18702), (578, 18705), (593, 18759), (631, 18849), (701, 19128), (702, 19137), (711, 19167),

Gene: MichelleMyBell_18 Start: 14987, Stop: 16696, Start Num: 119
Candidate Starts for MichelleMyBell_18:
(Start: 119 @14987 has 132 MA's), (139, 15014), (Start: 193 @15119 has 2 MA's), (197, 15131), (208, 15167), (225, 15218), (231, 15239), (234, 15248), (236, 15254), (244, 15275), (252, 15287), (318, 15461), (321, 15467), (329, 15485), (333, 15497), (334, 15500), (341, 15521), (367, 15596), (378, 15623), (397, 15647), (398, 15650), (402, 15662), (417, 15704), (424, 15719), (426, 15725), (428, 15734), (440, 15773), (460, 15827), (481, 15851), (500, 15911), (522, 15977), (527, 15986), (529, 15995), (548, 16046), (549, 16049), (578, 16154), (592, 16202), (621, 16238), (629, 16268), (647, 16340), (686, 16493), (688, 16502), (698, 16523), (701, 16538), (703, 16550), (716, 16586), (718, 16592),

Gene: MilanaBonita_17 Start: 15476, Stop: 17185, Start Num: 114
Candidate Starts for MilanaBonita_17:
(Start: 114 @15476 has 231 MA's), (171, 15563), (Start: 193 @15608 has 2 MA's), (202, 15632), (234, 15737), (236, 15743), (242, 15761), (259, 15791), (299, 15896), (321, 15956), (330, 15977), (333, 15986), (341, 16010), (397, 16136), (402, 16151), (404, 16157), (417, 16193), (418, 16196), (424, 16208), (426, 16214), (440, 16262), (445, 16274), (446, 16280), (481, 16340), (485, 16352), (497,

16388), (500, 16400), (527, 16475), (529, 16484), (538, 16502), (540, 16508), (549, 16538), (578, 16643), (580, 16652), (581, 16655), (587, 16676), (592, 16691), (629, 16757), (631, 16769), (656, 16868), (663, 16889), (671, 16922), (679, 16952), (686, 16982), (688, 16991), (690, 16997), (698, 17012), (699, 17015), (703, 17039), (714, 17069), (718, 17081), (723, 17111), (732, 17153),

Gene: MilleniumForce_17 Start: 15620, Stop: 17329, Start Num: 114
Candidate Starts for MilleniumForce_17:
(Start: 114 @15620 has 231 MA's), (171, 15707), (Start: 193 @15752 has 2 MA's), (202, 15776), (234, 15881), (236, 15887), (242, 15905), (259, 15935), (299, 16040), (321, 16100), (330, 16121), (333, 16130), (341, 16154), (397, 16280), (402, 16295), (404, 16301), (417, 16337), (418, 16340), (424, 16352), (426, 16358), (440, 16406), (445, 16418), (446, 16424), (481, 16484), (485, 16496), (497, 16532), (500, 16544), (527, 16619), (529, 16628), (538, 16646), (540, 16652), (549, 16682), (578, 16787), (580, 16796), (581, 16799), (592, 16835), (631, 16913), (656, 17012), (663, 17033), (671, 17066), (679, 17096), (686, 17126), (688, 17135), (690, 17141), (698, 17156), (699, 17159), (703, 17183), (714, 17213), (718, 17225), (723, 17255), (732, 17297),

Gene: Milly_19 Start: 15013, Stop: 16782, Start Num: 80
Candidate Starts for Milly_19:
(Start: 64 @14977 has 1 MA's), (Start: 77 @15007 has 26 MA's), (Start: 80 @15013 has 43 MA's), (Start: 97 @15028 has 61 MA's), (135, 15070), (160, 15118), (177, 15157), (185, 15172), (204, 15223), (215, 15253), (225, 15286), (229, 15298), (236, 15316), (268, 15388), (269, 15394), (305, 15490), (309, 15502), (348, 15604), (356, 15619), (382, 15655), (404, 15691), (423, 15739), (435, 15778), (443, 15802), (446, 15814), (481, 15904), (484, 15913), (561, 16159), (578, 16213), (593, 16267), (636, 16381), (639, 16390), (657, 16465), (671, 16516), (672, 16522), (697, 16603), (701, 16618), (717, 16672), (733, 16753), (745, 16774),

Gene: Mindy_24 Start: 19608, Stop: 21203, Start Num: 169
Candidate Starts for Mindy_24:
(Start: 119 @19524 has 132 MA's), (Start: 169 @19608 has 49 MA's), (Start: 203 @19686 has 1 MA's), (231, 19773), (236, 19788), (259, 19836), (273, 19875), (305, 19962), (319, 19995), (333, 20031), (343, 20061), (345, 20067), (370, 20136), (399, 20166), (403, 20178), (404, 20181), (426, 20238), (483, 20370), (484, 20376), (505, 20442), (507, 20448), (513, 20472), (529, 20520), (540, 20544), (543, 20553), (562, 20628), (580, 20679), (585, 20694), (648, 20856), (654, 20883), (663, 20913), (689, 21018), (716, 21096), (723, 21132), (725, 21141), (732, 21174), (738, 21189),

Gene: Minerva_37 Start: 28330, Stop: 30328, Start Num: 113
Candidate Starts for Minerva_37:
(Start: 113 @28330 has 31 MA's), (Start: 169 @28420 has 49 MA's), (189, 28468), (202, 28498), (Start: 209 @28525 has 11 MA's), (244, 28627), (260, 28657), (296, 28756), (307, 28792), (308, 28798), (319, 28819), (345, 28891), (348, 28900), (356, 28921), (404, 29029), (405, 29032), (409, 29047), (426, 29086), (440, 29134), (445, 29146), (446, 29152), (470, 29200), (472, 29209), (483, 29230), (487, 29248), (503, 29296), (538, 29398), (559, 29470), (569, 29515), (570, 29527), (571, 29662), (572, 29668), (573, 29692), (574, 29764), (576, 29791), (664, 30040),

Gene: MinionDave_17 Start: 15489, Stop: 17198, Start Num: 114
Candidate Starts for MinionDave_17:
(Start: 114 @15489 has 231 MA's), (171, 15576), (Start: 193 @15621 has 2 MA's), (202, 15645), (234, 15750), (236, 15756), (242, 15774), (259, 15804), (299, 15909), (321, 15969), (330, 15990), (333, 15999), (341, 16023), (397, 16149), (402, 16164), (404, 16170), (417, 16206), (418, 16209), (424, 16221), (426, 16227), (440, 16275), (445, 16287), (446, 16293), (481, 16353), (485, 16365), (497, 16401), (500, 16413), (527, 16488), (529, 16497), (538, 16515), (540, 16521), (549, 16551), (578, 16656), (580, 16665), (581, 16668), (592, 16704), (631, 16782), (656, 16881), (663, 16902), (671, 16935), (679, 16965), (686, 16995), (688, 17004), (690, 17010), (698, 17025), (699, 17028), (703,

17052), (714, 17082), (718, 17094), (723, 17124), (732, 17166),

Gene: Miniwave_24 Start: 19943, Stop: 21622, Start Num: 119
Candidate Starts for Miniwave_24:
(Start: 119 @19943 has 132 MA's), (Start: 169 @20027 has 49 MA's), (Start: 203 @20105 has 1 MA's), (231, 20192), (236, 20207), (259, 20255), (273, 20294), (305, 20381), (319, 20414), (333, 20450), (343, 20480), (345, 20486), (370, 20555), (399, 20585), (403, 20597), (404, 20600), (426, 20657), (483, 20789), (484, 20795), (505, 20861), (507, 20867), (513, 20891), (529, 20939), (540, 20963), (543, 20972), (562, 21047), (580, 21098), (585, 21113), (648, 21275), (654, 21302), (663, 21332), (689, 21437), (716, 21515), (723, 21551), (725, 21560), (732, 21593), (738, 21608),

Gene: Minnie_17 Start: 15349, Stop: 17058, Start Num: 114
Candidate Starts for Minnie_17:
(Start: 114 @15349 has 231 MA's), (171, 15436), (Start: 193 @15481 has 2 MA's), (202, 15505), (234, 15610), (236, 15616), (242, 15634), (259, 15664), (299, 15769), (318, 15823), (321, 15829), (330, 15850), (333, 15859), (341, 15883), (397, 16009), (402, 16024), (404, 16030), (417, 16066), (418, 16069), (424, 16081), (426, 16087), (440, 16135), (445, 16147), (446, 16153), (481, 16213), (485, 16225), (497, 16261), (500, 16273), (527, 16348), (529, 16357), (538, 16375), (540, 16381), (549, 16411), (578, 16516), (580, 16525), (581, 16528), (592, 16564), (631, 16642), (656, 16741), (663, 16762), (671, 16795), (679, 16825), (686, 16855), (688, 16864), (690, 16870), (698, 16885), (699, 16888), (703, 16912), (714, 16942), (718, 16954), (723, 16984), (732, 17026),

Gene: MintFen_19 Start: 16650, Stop: 18296, Start Num: 150
Candidate Starts for MintFen_19:
(Start: 130 @16614 has 17 MA's), (Start: 150 @16650 has 49 MA's), (199, 16752), (223, 16830), (224, 16833), (264, 16929), (278, 16968), (306, 17049), (329, 17103), (334, 17118), (426, 17289), (435, 17319), (507, 17502), (513, 17526), (514, 17529), (534, 17577), (562, 17670), (566, 17682), (582, 17727), (586, 17742), (628, 17874), (629, 17877), (654, 17976), (659, 17994), (672, 18045), (692, 18111), (709, 18174), (714, 18186),

Gene: Miryou_21 Start: 17480, Stop: 19252, Start Num: 87
Candidate Starts for Miryou_21:
(Start: 87 @17480 has 18 MA's), (Start: 89 @17486 has 2 MA's), (106, 17510), (135, 17543), (160, 17591), (185, 17645), (204, 17696), (225, 17759), (269, 17867), (309, 17975), (355, 18089), (356, 18092), (384, 18131), (398, 18146), (402, 18158), (404, 18164), (420, 18206), (423, 18212), (435, 18251), (443, 18275), (481, 18377), (501, 18440), (514, 18485), (561, 18620), (591, 18719), (621, 18797), (627, 18821), (632, 18842), (636, 18854), (638, 18860), (657, 18938), (659, 18944), (702, 19097), (728, 19202), (729, 19205), (733, 19223),

Gene: Misfit_24 Start: 19833, Stop: 21512, Start Num: 119
Candidate Starts for Misfit_24:
(Start: 119 @19833 has 132 MA's), (Start: 169 @19917 has 49 MA's), (Start: 203 @19995 has 1 MA's), (231, 20082), (236, 20097), (259, 20145), (273, 20184), (305, 20271), (319, 20304), (333, 20340), (343, 20370), (345, 20376), (370, 20445), (399, 20475), (403, 20487), (404, 20490), (426, 20547), (483, 20679), (484, 20685), (505, 20751), (507, 20757), (513, 20781), (529, 20829), (540, 20853), (543, 20862), (562, 20937), (580, 20988), (585, 21003), (648, 21165), (654, 21192), (663, 21222), (689, 21327), (716, 21405), (723, 21441), (725, 21450), (732, 21483), (738, 21498),

Gene: Misha28_17 Start: 14677, Stop: 16386, Start Num: 114
Candidate Starts for Misha28_17:
(Start: 114 @14677 has 231 MA's), (171, 14764), (Start: 193 @14809 has 2 MA's), (202, 14833), (234, 14938), (236, 14944), (242, 14962), (247, 14971), (259, 14992), (299, 15097), (321, 15157), (325, 15166), (330, 15178), (333, 15187), (341, 15211), (354, 15247), (356, 15253), (359, 15265), (367,

15286), (369, 15289), (371, 15298), (378, 15313), (381, 15319), (397, 15337), (402, 15352), (404, 15358), (409, 15376), (410, 15379), (417, 15394), (424, 15409), (426, 15415), (440, 15463), (445, 15475), (446, 15481), (481, 15541), (485, 15553), (487, 15562), (497, 15589), (500, 15601), (507, 15622), (527, 15676), (529, 15685), (540, 15709), (549, 15739), (578, 15844), (581, 15856), (592, 15892), (631, 15970), (656, 16069), (663, 16090), (671, 16123), (679, 16153), (686, 16183), (687, 16189), (688, 16192), (690, 16198), (698, 16213), (699, 16216), (702, 16237), (718, 16282), (732, 16354), (733, 16360),

Gene: Miskis_46 Start: 29375, Stop: 31066, Start Num: 104
Candidate Starts for Miskis_46:
(Start: 104 @29375 has 17 MA's), (146, 29435), (165, 29468), (177, 29498), (179, 29501), (225, 29627), (236, 29660), (239, 29669), (300, 29798), (317, 29846), (426, 30059), (427, 30065), (435, 30089), (490, 30218), (497, 30239), (507, 30272), (562, 30470), (629, 30623), (654, 30722), (657, 30734), (660, 30743), (681, 30827), (724, 30974), (731, 31010), (734, 31022),

Gene: MissDaisy_24 Start: 18385, Stop: 20172, Start Num: 80
Candidate Starts for MissDaisy_24:
(Start: 64 @18349 has 1 MA's), (Start: 77 @18379 has 26 MA's), (Start: 80 @18385 has 43 MA's), (Start: 82 @18388 has 156 MA's), (135, 18442), (160, 18490), (177, 18529), (185, 18544), (Start: 193 @18562 has 2 MA's), (204, 18595), (215, 18625), (229, 18670), (236, 18688), (268, 18760), (269, 18766), (284, 18796), (305, 18862), (309, 18874), (369, 19009), (402, 19057), (404, 19063), (409, 19081), (423, 19111), (435, 19150), (481, 19276), (500, 19336), (501, 19339), (507, 19357), (512, 19372), (561, 19540), (578, 19594), (591, 19639), (609, 19684), (617, 19708), (627, 19741), (636, 19774), (639, 19783), (654, 19846), (657, 19858), (671, 19909), (672, 19915), (702, 20017), (733, 20143), (745, 20164),

Gene: MissRona_21 Start: 16962, Stop: 18611, Start Num: 150
Candidate Starts for MissRona_21:
(Start: 130 @16926 has 17 MA's), (Start: 150 @16962 has 49 MA's), (155, 16971), (199, 17067), (223, 17145), (253, 17217), (264, 17244), (278, 17283), (306, 17364), (329, 17418), (426, 17604), (435, 17634), (478, 17733), (507, 17817), (513, 17841), (534, 17892), (562, 17985), (566, 17997), (582, 18042), (586, 18057), (628, 18189), (629, 18192), (654, 18291), (659, 18309), (672, 18360), (690, 18420), (692, 18426), (714, 18501),

Gene: MisterCuddles_16 Start: 14774, Stop: 16483, Start Num: 114
Candidate Starts for MisterCuddles_16:
(Start: 114 @14774 has 231 MA's), (171, 14861), (Start: 193 @14906 has 2 MA's), (202, 14930), (234, 15035), (236, 15041), (242, 15059), (259, 15089), (299, 15194), (318, 15248), (321, 15254), (325, 15263), (330, 15275), (333, 15284), (341, 15308), (354, 15344), (356, 15350), (359, 15362), (367, 15383), (369, 15386), (371, 15395), (378, 15410), (381, 15416), (397, 15434), (402, 15449), (404, 15455), (409, 15473), (410, 15476), (417, 15491), (424, 15506), (426, 15512), (435, 15542), (440, 15560), (445, 15572), (446, 15578), (481, 15638), (485, 15650), (497, 15686), (500, 15698), (507, 15719), (527, 15773), (529, 15782), (540, 15806), (549, 15836), (578, 15941), (581, 15953), (592, 15989), (622, 16028), (631, 16067), (656, 16166), (663, 16187), (671, 16220), (679, 16250), (686, 16280), (688, 16289), (690, 16295), (698, 16310), (699, 16313), (702, 16334), (703, 16337), (718, 16379), (723, 16409), (732, 16451), (733, 16457),

Gene: Mitti_24 Start: 18546, Stop: 20333, Start Num: 82
Candidate Starts for Mitti_24:
(Start: 64 @18507 has 1 MA's), (Start: 77 @18537 has 26 MA's), (Start: 80 @18543 has 43 MA's), (Start: 82 @18546 has 156 MA's), (135, 18603), (160, 18651), (177, 18690), (185, 18705), (Start: 193 @18723 has 2 MA's), (204, 18756), (215, 18786), (229, 18831), (236, 18849), (268, 18921), (269, 18927), (284, 18957), (305, 19023), (309, 19035), (369, 19170), (402, 19218), (404, 19224), (409,

19242), (423, 19272), (435, 19311), (481, 19437), (500, 19497), (501, 19500), (507, 19518), (512, 19533), (561, 19701), (578, 19755), (591, 19800), (609, 19845), (617, 19869), (627, 19902), (636, 19935), (654, 20007), (657, 20019), (671, 20070), (672, 20076), (702, 20178), (733, 20304), (745, 20325),

Gene: Mocha12_17 Start: 14758, Stop: 16467, Start Num: 123
Candidate Starts for Mocha12_17:
(Start: 123 @14758 has 61 MA's), (186, 14875), (236, 15025), (259, 15064), (264, 15079), (292, 15148), (295, 15160), (324, 15238), (326, 15241), (376, 15373), (395, 15427), (424, 15508), (443, 15568), (445, 15574), (446, 15580), (492, 15661), (504, 15697), (531, 15733), (539, 15751), (551, 15790), (567, 15862), (577, 15886), (654, 16120), (658, 16135), (669, 16177), (691, 16270), (692, 16273), (702, 16321), (711, 16351),

Gene: Modragons_16 Start: 15041, Stop: 16750, Start Num: 114
Candidate Starts for Modragons_16:
(Start: 114 @15041 has 231 MA's), (171, 15128), (181, 15149), (Start: 193 @15173 has 2 MA's), (202, 15197), (207, 15218), (234, 15302), (236, 15308), (242, 15326), (259, 15356), (299, 15461), (318, 15515), (321, 15521), (329, 15539), (330, 15542), (333, 15551), (341, 15575), (367, 15650), (371, 15662), (378, 15677), (381, 15683), (397, 15701), (402, 15716), (404, 15722), (414, 15749), (417, 15758), (424, 15773), (426, 15779), (440, 15827), (445, 15839), (446, 15845), (481, 15905), (485, 15917), (497, 15953), (500, 15965), (507, 15986), (527, 16040), (529, 16049), (538, 16067), (540, 16073), (549, 16103), (578, 16208), (580, 16217), (581, 16220), (592, 16256), (622, 16295), (631, 16334), (663, 16454), (671, 16487), (679, 16517), (686, 16547), (688, 16556), (690, 16562), (698, 16577), (699, 16580), (702, 16601), (703, 16604), (716, 16640), (718, 16646), (723, 16676), (732, 16718),

Gene: Moldemort_25 Start: 19488, Stop: 21167, Start Num: 119
Candidate Starts for Moldemort_25:
(Start: 119 @19488 has 132 MA's), (Start: 169 @19572 has 49 MA's), (Start: 203 @19650 has 1 MA's), (231, 19737), (236, 19752), (259, 19800), (273, 19839), (305, 19926), (319, 19959), (333, 19995), (343, 20025), (345, 20031), (370, 20100), (399, 20130), (403, 20142), (404, 20145), (426, 20202), (483, 20334), (484, 20340), (505, 20406), (507, 20412), (513, 20436), (529, 20484), (540, 20508), (543, 20517), (562, 20592), (580, 20643), (585, 20658), (648, 20820), (654, 20847), (663, 20877), (689, 20982), (716, 21060), (723, 21096), (725, 21105), (732, 21138), (738, 21153),

Gene: MollyToe_24 Start: 19917, Stop: 21596, Start Num: 119
Candidate Starts for MollyToe_24:
(Start: 119 @19917 has 132 MA's), (Start: 169 @20001 has 49 MA's), (Start: 203 @20079 has 1 MA's), (231, 20166), (236, 20181), (259, 20229), (273, 20268), (305, 20355), (319, 20388), (333, 20424), (343, 20454), (345, 20460), (370, 20529), (399, 20559), (403, 20571), (404, 20574), (426, 20631), (483, 20763), (484, 20769), (505, 20835), (507, 20841), (513, 20865), (529, 20913), (540, 20937), (543, 20946), (562, 21021), (580, 21072), (585, 21087), (648, 21249), (654, 21276), (663, 21306), (689, 21411), (716, 21489), (723, 21525), (725, 21534), (732, 21567), (738, 21582),

Gene: Mollymur_31 Start: 28168, Stop: 30066, Start Num: 103
Candidate Starts for Mollymur_31:
(Start: 103 @28168 has 1 MA's), (Start: 107 @28171 has 54 MA's), (Start: 123 @28189 has 61 MA's), (146, 28228), (279, 28531), (300, 28588), (317, 28636), (348, 28720), (372, 28858), (373, 28864), (384, 28930), (426, 29062), (427, 29068), (511, 29287), (512, 29290), (551, 29410), (562, 29470), (580, 29521), (585, 29536), (654, 29722), (657, 29734), (672, 29791), (742, 30034), (746, 30058),

Gene: MooMoo_16 Start: 14544, Stop: 16277, Start Num: 121
Candidate Starts for MooMoo_16:

(92, 14511), (95, 14514), (Start: 121 @14544 has 70 MA's), (181, 14646), (208, 14718), (217, 14742), (333, 15048), (359, 15126), (397, 15198), (402, 15213), (404, 15219), (405, 15222), (418, 15258), (426, 15276), (440, 15324), (445, 15336), (505, 15477), (527, 15537), (529, 15546), (540, 15570), (547, 15594), (548, 15597), (549, 15600), (556, 15633), (587, 15738), (640, 15861), (642, 15870), (654, 15921), (656, 15930), (672, 15990), (681, 16032), (684, 16044), (697, 16101), (698, 16104), (715, 16164),

Gene: Moonbeam_17 Start: 15298, Stop: 17007, Start Num: 114
Candidate Starts for Moonbeam_17:
(Start: 114 @15298 has 231 MA's), (171, 15385), (Start: 193 @15430 has 2 MA's), (202, 15454), (234, 15559), (236, 15565), (242, 15583), (259, 15613), (299, 15718), (321, 15778), (330, 15799), (333, 15808), (341, 15832), (397, 15958), (402, 15973), (404, 15979), (417, 16015), (418, 16018), (424, 16030), (426, 16036), (440, 16084), (445, 16096), (446, 16102), (481, 16162), (485, 16174), (497, 16210), (500, 16222), (527, 16297), (529, 16306), (538, 16324), (540, 16330), (549, 16360), (578, 16465), (580, 16474), (581, 16477), (592, 16513), (631, 16591), (656, 16690), (663, 16711), (671, 16744), (679, 16774), (686, 16804), (688, 16813), (690, 16819), (698, 16834), (699, 16837), (703, 16861), (714, 16891), (718, 16903), (723, 16933), (732, 16975),

Gene: Moosehead_17 Start: 14663, Stop: 16372, Start Num: 123
Candidate Starts for Moosehead_17:
(51, 14528), (53, 14543), (Start: 123 @14663 has 61 MA's), (147, 14705), (186, 14780), (210, 14852), (211, 14855), (236, 14930), (280, 15026), (292, 15053), (295, 15065), (324, 15143), (326, 15146), (340, 15191), (395, 15332), (424, 15413), (443, 15473), (445, 15479), (474, 15521), (504, 15602), (508, 15614), (531, 15638), (539, 15656), (544, 15671), (551, 15695), (577, 15791), (578, 15794), (654, 16025), (658, 16040), (691, 16175), (692, 16178), (702, 16226), (711, 16256), (721, 16292),

Gene: Mori_56 Start: 33516, Stop: 35252, Start Num: 94
Candidate Starts for Mori_56:
(Start: 89 @33507 has 2 MA's), (Start: 94 @33516 has 30 MA's), (Start: 156 @33606 has 1 MA's), (207, 33723), (219, 33759), (226, 33780), (234, 33807), (236, 33813), (249, 33843), (261, 33867), (283, 33918), (333, 34056), (335, 34062), (352, 34113), (354, 34116), (359, 34134), (397, 34185), (404, 34206), (405, 34209), (424, 34257), (426, 34263), (440, 34311), (443, 34317), (445, 34323), (471, 34383), (481, 34407), (483, 34410), (497, 34455), (501, 34470), (504, 34479), (507, 34488), (522, 34533), (529, 34551), (543, 34584), (581, 34722), (587, 34743), (625, 34809), (632, 34839), (646, 34893), (656, 34935), (663, 34956), (667, 34977), (671, 34989), (676, 35010), (690, 35064), (716, 35142), (723, 35178), (727, 35199), (733, 35226),

Gene: Morkie_18 Start: 15153, Stop: 16865, Start Num: 110
Candidate Starts for Morkie_18:
(Start: 110 @15153 has 31 MA's), (Start: 122 @15165 has 1 MA's), (145, 15207), (196, 15309), (219, 15381), (250, 15462), (269, 15513), (285, 15546), (298, 15588), (300, 15594), (315, 15642), (336, 15693), (348, 15729), (396, 15771), (402, 15792), (404, 15798), (412, 15822), (431, 15873), (432, 15876), (442, 15906), (555, 16218), (575, 16284), (584, 16314), (623, 16407), (628, 16428), (630, 16440), (632, 16446), (634, 16452), (636, 16458), (649, 16512), (657, 16542), (675, 16611), (698, 16698), (700, 16704), (704, 16728), (713, 16755),

Gene: Morrissey_19 Start: 16044, Stop: 17648, Start Num: 126
Candidate Starts for Morrissey_19:
(Start: 110 @16032 has 31 MA's), (Start: 126 @16044 has 11 MA's), (143, 16077), (175, 16131), (240, 16308), (317, 16482), (375, 16599), (405, 16638), (422, 16680), (445, 16752), (453, 16785), (485, 16839), (498, 16878), (504, 16899), (547, 17016), (559, 17058), (562, 17076), (566, 17088), (578, 17118), (621, 17202), (625, 17217), (627, 17226), (640, 17274), (700, 17484), (726, 17592),

Gene: MortyNRick_19 Start: 16293, Stop: 18002, Start Num: 110
Candidate Starts for MortyNRick_19:
(Start: 110 @16293 has 31 MA's), (Start: 122 @16305 has 1 MA's), (124, 16308), (177, 16410), (195, 16446), (216, 16512), (269, 16656), (272, 16665), (282, 16683), (298, 16725), (300, 16731), (307, 16755), (315, 16779), (336, 16830), (338, 16836), (348, 16866), (396, 16908), (402, 16929), (404, 16935), (412, 16959), (431, 17010), (432, 17013), (442, 17043), (500, 17193), (512, 17229), (555, 17355), (575, 17421), (578, 17430), (581, 17442), (584, 17451), (623, 17544), (628, 17565), (630, 17577), (632, 17583), (634, 17589), (636, 17595), (649, 17649), (657, 17679), (675, 17748), (698, 17835), (700, 17841), (713, 17892), (732, 17979), (741, 17997),

Gene: Mosby_23 Start: 19337, Stop: 20932, Start Num: 169
Candidate Starts for Mosby_23:
(Start: 119 @19253 has 132 MA's), (Start: 169 @19337 has 49 MA's), (Start: 203 @19415 has 1 MA's), (231, 19502), (236, 19517), (259, 19565), (273, 19604), (305, 19691), (319, 19724), (333, 19760), (343, 19790), (345, 19796), (370, 19865), (399, 19895), (403, 19907), (404, 19910), (426, 19967), (483, 20099), (484, 20105), (505, 20171), (507, 20177), (513, 20201), (529, 20249), (540, 20273), (543, 20282), (562, 20357), (580, 20408), (585, 20423), (648, 20585), (654, 20612), (663, 20642), (689, 20747), (716, 20825), (723, 20861), (725, 20870), (732, 20903), (738, 20918),

Gene: Mova_17 Start: 14657, Stop: 16366, Start Num: 114
Candidate Starts for Mova_17:
(Start: 114 @14657 has 231 MA's), (171, 14744), (Start: 193 @14789 has 2 MA's), (202, 14813), (234, 14918), (236, 14924), (242, 14942), (259, 14972), (299, 15077), (321, 15137), (330, 15158), (333, 15167), (341, 15191), (367, 15266), (397, 15317), (402, 15332), (404, 15338), (417, 15374), (418, 15377), (424, 15389), (426, 15395), (440, 15443), (445, 15455), (446, 15461), (481, 15521), (485, 15533), (497, 15569), (500, 15581), (527, 15656), (529, 15665), (538, 15683), (540, 15689), (549, 15719), (578, 15824), (580, 15833), (581, 15836), (592, 15872), (631, 15950), (656, 16049), (663, 16070), (671, 16103), (679, 16133), (686, 16163), (688, 16172), (690, 16178), (698, 16193), (699, 16196), (703, 16220), (714, 16250), (718, 16262), (723, 16292), (732, 16334),

Gene: Mowgli_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Mowgli_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Mozy_17 Start: 14705, Stop: 16414, Start Num: 114
Candidate Starts for Mozy_17:
(Start: 114 @14705 has 231 MA's), (181, 14813), (Start: 193 @14837 has 2 MA's), (202, 14861), (207, 14882), (219, 14918), (225, 14936), (226, 14939), (236, 14972), (242, 14990), (259, 15020), (299, 15125), (321, 15185), (330, 15206), (333, 15215), (341, 15239), (356, 15281), (367, 15314), (381, 15347), (397, 15365), (402, 15380), (404, 15386), (417, 15422), (418, 15425), (424, 15437), (426, 15443), (435, 15473), (440, 15491), (445, 15503), (446, 15509), (481, 15569), (497, 15617), (500, 15629), (527, 15704), (529, 15713), (540, 15737), (549, 15767), (578, 15872), (581, 15884), (592, 15920), (622, 15959), (631, 15998), (663, 16118), (671, 16151), (679, 16181), (686, 16211), (687, 16217), (688, 16220), (690, 16226), (698, 16241), (699, 16244), (702, 16265), (703, 16268), (718, 16310), (723, 16340), (732, 16382),

Gene: Ms6_16 Start: 14816, Stop: 16525, Start Num: 114
Candidate Starts for Ms6_16:

(Start: 114 @14816 has 231 MA's), (171, 14903), (Start: 193 @14948 has 2 MA's), (202, 14972), (234, 15077), (236, 15083), (242, 15101), (259, 15131), (299, 15236), (321, 15296), (330, 15317), (333, 15326), (341, 15350), (397, 15476), (402, 15491), (404, 15497), (417, 15533), (418, 15536), (424, 15548), (426, 15554), (440, 15602), (445, 15614), (446, 15620), (481, 15680), (485, 15692), (497, 15728), (500, 15740), (527, 15815), (529, 15824), (538, 15842), (540, 15848), (549, 15878), (578, 15983), (580, 15992), (581, 15995), (592, 16031), (631, 16109), (656, 16208), (663, 16229), (671, 16262), (679, 16292), (686, 16322), (688, 16331), (690, 16337), (698, 16352), (699, 16355), (703, 16379), (714, 16409), (718, 16421), (723, 16451), (732, 16493),

Gene: Muddy_21 Start: 16213, Stop: 18063, Start Num: 54
Candidate Starts for Muddy_21:
(44, 16177), (Start: 54 @16213 has 4 MA's), (Start: 100 @16291 has 3 MA's), (144, 16351), (177, 16417), (198, 16468), (204, 16483), (205, 16486), (323, 16792), (343, 16849), (346, 16858), (369, 16897), (374, 16900), (397, 16963), (404, 16984), (427, 17047), (430, 17056), (435, 17071), (443, 17095), (484, 17206), (497, 17245), (503, 17266), (513, 17302), (514, 17305), (535, 17347), (542, 17362), (544, 17368), (640, 17677), (642, 17686), (644, 17692), (647, 17704), (654, 17734), (661, 17758), (696, 17878), (711, 17935), (731, 18022), (733, 18031),

Gene: Mufasa_19 Start: 15033, Stop: 16802, Start Num: 80
Candidate Starts for Mufasa_19:
(Start: 64 @14997 has 1 MA's), (Start: 77 @15027 has 26 MA's), (Start: 80 @15033 has 43 MA's), (Start: 97 @15048 has 61 MA's), (135, 15090), (160, 15138), (177, 15177), (185, 15192), (204, 15243), (215, 15273), (225, 15306), (229, 15318), (236, 15336), (268, 15408), (269, 15414), (305, 15510), (309, 15522), (346, 15618), (404, 15711), (409, 15729), (420, 15753), (423, 15759), (435, 15798), (443, 15822), (446, 15834), (481, 15924), (484, 15933), (501, 15987), (511, 16017), (550, 16128), (561, 16179), (593, 16287), (636, 16401), (639, 16410), (657, 16485), (671, 16536), (672, 16542), (701, 16638), (717, 16692), (733, 16773), (745, 16794),

Gene: Mulch_22 Start: 17344, Stop: 19050, Start Num: 130
Candidate Starts for Mulch_22:
(Start: 73 @17269 has 2 MA's), (Start: 130 @17344 has 17 MA's), (177, 17437), (185, 17452), (187, 17458), (215, 17533), (237, 17605), (286, 17716), (300, 17761), (305, 17779), (309, 17791), (402, 17962), (405, 17971), (406, 17977), (420, 18010), (441, 18073), (453, 18124), (472, 18148), (479, 18172), (504, 18247), (516, 18286), (559, 18418), (593, 18532), (627, 18619), (656, 18733), (659, 18742), (688, 18847), (715, 18934), (745, 19042),

Gene: MulchExplorer_18 Start: 15928, Stop: 17637, Start Num: 114
Candidate Starts for MulchExplorer_18:
(Start: 114 @15928 has 231 MA's), (171, 16015), (Start: 193 @16060 has 2 MA's), (202, 16084), (234, 16189), (236, 16195), (242, 16213), (259, 16243), (299, 16348), (301, 16354), (321, 16408), (325, 16417), (330, 16429), (333, 16438), (341, 16462), (371, 16549), (378, 16564), (397, 16588), (402, 16603), (404, 16609), (417, 16645), (418, 16648), (424, 16660), (426, 16666), (440, 16714), (445, 16726), (446, 16732), (481, 16792), (485, 16804), (497, 16840), (500, 16852), (507, 16873), (527, 16927), (529, 16936), (538, 16954), (540, 16960), (549, 16990), (578, 17095), (580, 17104), (581, 17107), (592, 17143), (629, 17209), (631, 17221), (656, 17320), (663, 17341), (671, 17374), (679, 17404), (686, 17434), (688, 17443), (690, 17449), (698, 17464), (699, 17467), (703, 17491), (714, 17521), (718, 17533), (723, 17563), (732, 17605),

Gene: MulchSalad_16 Start: 14726, Stop: 16435, Start Num: 114
Candidate Starts for MulchSalad_16:
(Start: 114 @14726 has 231 MA's), (171, 14813), (181, 14834), (Start: 193 @14858 has 2 MA's), (202, 14882), (234, 14987), (236, 14993), (242, 15011), (247, 15020), (259, 15041), (299, 15146), (318, 15200), (321, 15206), (330, 15227), (333, 15236), (341, 15260), (397, 15386), (402, 15401), (404,

15407), (410, 15428), (417, 15443), (418, 15446), (424, 15458), (426, 15464), (440, 15512), (445, 15524), (446, 15530), (481, 15590), (485, 15602), (497, 15638), (500, 15650), (527, 15725), (529, 15734), (538, 15752), (540, 15758), (549, 15788), (578, 15893), (580, 15902), (581, 15905), (592, 15941), (631, 16019), (656, 16118), (663, 16139), (671, 16172), (679, 16202), (686, 16232), (688, 16241), (690, 16247), (698, 16262), (699, 16265), (702, 16286), (703, 16289), (718, 16331), (732, 16403),

Gene: Murai_57 Start: 33688, Stop: 35433, Start Num: 89
Candidate Starts for Murai_57:
(Start: 89 @33688 has 2 MA's), (Start: 94 @33697 has 30 MA's), (Start: 156 @33787 has 1 MA's), (207, 33904), (219, 33940), (226, 33961), (234, 33988), (236, 33994), (249, 34024), (261, 34048), (283, 34099), (333, 34237), (335, 34243), (352, 34294), (354, 34297), (359, 34315), (397, 34366), (404, 34387), (405, 34390), (424, 34438), (426, 34444), (440, 34492), (443, 34498), (445, 34504), (471, 34564), (481, 34588), (483, 34591), (497, 34636), (501, 34651), (504, 34660), (507, 34669), (522, 34714), (529, 34732), (543, 34765), (581, 34903), (587, 34924), (625, 34990), (632, 35020), (646, 35074), (656, 35116), (663, 35137), (667, 35158), (671, 35170), (676, 35191), (690, 35245), (716, 35323), (723, 35359), (727, 35380), (733, 35407),

Gene: Murica_23 Start: 19814, Stop: 21409, Start Num: 169
Candidate Starts for Murica_23:
(Start: 119 @19730 has 132 MA's), (Start: 169 @19814 has 49 MA's), (Start: 203 @19892 has 1 MA's), (231, 19979), (236, 19994), (259, 20042), (273, 20081), (305, 20168), (319, 20201), (333, 20237), (343, 20267), (345, 20273), (370, 20342), (399, 20372), (403, 20384), (404, 20387), (426, 20444), (483, 20576), (484, 20582), (505, 20648), (507, 20654), (513, 20678), (529, 20726), (540, 20750), (543, 20759), (562, 20834), (580, 20885), (585, 20900), (648, 21062), (654, 21089), (663, 21119), (689, 21224), (716, 21302), (723, 21338), (725, 21347), (732, 21380), (738, 21395),

Gene: Murp_19 Start: 16718, Stop: 18364, Start Num: 150
Candidate Starts for Murp_19:
(Start: 130 @16682 has 17 MA's), (Start: 150 @16718 has 49 MA's), (199, 16820), (223, 16898), (264, 16997), (278, 17036), (306, 17117), (329, 17171), (334, 17186), (345, 17219), (377, 17267), (386, 17270), (426, 17357), (435, 17387), (507, 17570), (513, 17594), (547, 17678), (562, 17738), (566, 17750), (586, 17810), (629, 17945), (654, 18044), (659, 18062), (672, 18113), (690, 18173), (692, 18179), (709, 18242), (714, 18254),

Gene: Murphy_25 Start: 19809, Stop: 21404, Start Num: 169
Candidate Starts for Murphy_25:
(Start: 119 @19725 has 132 MA's), (Start: 169 @19809 has 49 MA's), (Start: 203 @19887 has 1 MA's), (231, 19974), (236, 19989), (259, 20037), (273, 20076), (305, 20163), (319, 20196), (333, 20232), (343, 20262), (345, 20268), (370, 20337), (399, 20367), (403, 20379), (404, 20382), (426, 20439), (483, 20571), (484, 20577), (505, 20643), (507, 20649), (513, 20673), (529, 20721), (540, 20745), (543, 20754), (562, 20829), (580, 20880), (585, 20895), (648, 21057), (654, 21084), (663, 21114), (689, 21219), (716, 21297), (723, 21333), (725, 21342), (732, 21375), (738, 21390),

Gene: Murucutumbu_23 Start: 17106, Stop: 18872, Start Num: 82
Candidate Starts for Murucutumbu_23:
(Start: 82 @17106 has 156 MA's), (Start: 103 @17136 has 1 MA's), (Start: 193 @17295 has 2 MA's), (204, 17328), (215, 17358), (225, 17391), (229, 17403), (268, 17493), (284, 17529), (288, 17535), (309, 17607), (313, 17616), (330, 17655), (345, 17700), (355, 17721), (356, 17724), (404, 17796), (420, 17838), (423, 17844), (431, 17871), (443, 17907), (481, 18009), (486, 18027), (506, 18087), (516, 18117), (529, 18144), (561, 18249), (588, 18339), (617, 18408), (628, 18444), (636, 18474), (657, 18558), (671, 18609), (701, 18708), (716, 18759), (733, 18843), (734, 18846), (745, 18864),

Gene: Mutaforma13_16 Start: 14853, Stop: 16562, Start Num: 114
Candidate Starts for Mutaforma13_16:
(Start: 114 @14853 has 231 MA's), (171, 14940), (Start: 193 @14985 has 2 MA's), (202, 15009), (234, 15114), (236, 15120), (242, 15138), (259, 15168), (299, 15273), (321, 15333), (330, 15354), (333, 15363), (339, 15381), (341, 15387), (367, 15462), (369, 15465), (397, 15513), (402, 15528), (404, 15534), (417, 15570), (418, 15573), (424, 15585), (426, 15591), (440, 15639), (445, 15651), (446, 15657), (481, 15717), (485, 15729), (497, 15765), (500, 15777), (527, 15852), (529, 15861), (538, 15879), (540, 15885), (549, 15915), (578, 16020), (580, 16029), (581, 16032), (592, 16068), (631, 16146), (656, 16245), (663, 16266), (671, 16299), (679, 16329), (686, 16359), (688, 16368), (690, 16374), (698, 16389), (699, 16392), (703, 16416), (714, 16446), (718, 16458), (723, 16488), (732, 16530),

Gene: Mwanjiwa_16 Start: 14789, Stop: 16498, Start Num: 114
Candidate Starts for Mwanjiwa_16:
(Start: 114 @14789 has 231 MA's), (171, 14876), (202, 14945), (234, 15050), (236, 15056), (242, 15074), (259, 15104), (299, 15209), (321, 15269), (333, 15299), (341, 15323), (356, 15365), (367, 15398), (371, 15410), (397, 15449), (402, 15464), (404, 15470), (410, 15491), (417, 15506), (418, 15509), (424, 15521), (426, 15527), (440, 15575), (445, 15587), (446, 15593), (481, 15653), (485, 15665), (497, 15701), (500, 15713), (507, 15734), (527, 15788), (529, 15797), (538, 15815), (540, 15821), (549, 15851), (578, 15956), (580, 15965), (581, 15968), (592, 16004), (621, 16040), (622, 16043), (631, 16082), (663, 16202), (671, 16235), (679, 16265), (686, 16295), (688, 16304), (690, 16310), (698, 16325), (699, 16328), (702, 16349), (703, 16352), (718, 16394), (723, 16424), (732, 16466),

Gene: Mynx_23 Start: 17171, Stop: 18937, Start Num: 82
Candidate Starts for Mynx_23:
(Start: 82 @17171 has 156 MA's), (Start: 103 @17201 has 1 MA's), (Start: 193 @17360 has 2 MA's), (204, 17393), (215, 17423), (225, 17456), (229, 17468), (268, 17558), (288, 17600), (309, 17672), (313, 17681), (330, 17720), (345, 17765), (355, 17786), (356, 17789), (398, 17843), (404, 17861), (420, 17903), (423, 17909), (431, 17936), (454, 18023), (481, 18074), (486, 18092), (500, 18134), (506, 18152), (516, 18182), (529, 18209), (561, 18314), (617, 18473), (628, 18509), (636, 18539), (639, 18548), (657, 18623), (671, 18674), (725, 18869), (733, 18908), (734, 18911), (745, 18929),

Gene: Myrale_24 Start: 19616, Stop: 21295, Start Num: 119
Candidate Starts for Myrale_24:
(Start: 119 @19616 has 132 MA's), (Start: 169 @19700 has 49 MA's), (Start: 203 @19778 has 1 MA's), (231, 19865), (236, 19880), (259, 19928), (273, 19967), (305, 20054), (319, 20087), (333, 20123), (343, 20153), (345, 20159), (370, 20228), (399, 20258), (403, 20270), (404, 20273), (426, 20330), (483, 20462), (484, 20468), (505, 20534), (507, 20540), (513, 20564), (529, 20612), (540, 20636), (543, 20645), (562, 20720), (580, 20771), (585, 20786), (648, 20948), (654, 20975), (663, 21005), (689, 21110), (716, 21188), (723, 21224), (725, 21233), (732, 21266), (738, 21281),

Gene: Nadeem_22 Start: 17344, Stop: 19050, Start Num: 130
Candidate Starts for Nadeem_22:
(Start: 73 @17269 has 2 MA's), (Start: 130 @17344 has 17 MA's), (177, 17437), (185, 17452), (187, 17458), (215, 17533), (237, 17605), (286, 17716), (300, 17761), (305, 17779), (309, 17791), (402, 17962), (405, 17971), (406, 17977), (420, 18010), (441, 18073), (453, 18124), (472, 18148), (479, 18172), (504, 18247), (516, 18286), (559, 18418), (593, 18532), (627, 18619), (656, 18733), (659, 18742), (688, 18847), (715, 18934), (745, 19042),

Gene: NadineRae_41 Start: 27143, Stop: 28759, Start Num: 109
Candidate Starts for NadineRae_41:

(Start: 109 @27143 has 43 MA's), (Start: 121 @27155 has 70 MA's), (Start: 141 @27179 has 1 MA's), (185, 27257), (259, 27440), (280, 27497), (287, 27509), (292, 27524), (316, 27590), (324, 27605), (332, 27629), (365, 27716), (368, 27722), (385, 27746), (417, 27806), (428, 27836), (435, 27857), (480, 27962), (488, 27983), (531, 28070), (549, 28118), (583, 28244), (593, 28280), (656, 28445), (662, 28463), (671, 28499), (721, 28673), (723, 28685), (738, 28742),

Gene: Nala_24 Start: 19856, Stop: 21451, Start Num: 169
Candidate Starts for Nala_24:
(Start: 119 @19772 has 132 MA's), (Start: 169 @19856 has 49 MA's), (Start: 203 @19934 has 1 MA's), (231, 20021), (236, 20036), (259, 20084), (273, 20123), (305, 20210), (319, 20243), (333, 20279), (343, 20309), (345, 20315), (370, 20384), (399, 20414), (403, 20426), (404, 20429), (426, 20486), (483, 20618), (484, 20624), (505, 20690), (507, 20696), (513, 20720), (529, 20768), (540, 20792), (543, 20801), (562, 20876), (580, 20927), (585, 20942), (648, 21104), (654, 21131), (663, 21161), (689, 21266), (716, 21344), (723, 21380), (725, 21389), (732, 21422), (738, 21437),

Gene: NancyRae_22 Start: 17350, Stop: 19056, Start Num: 130
Candidate Starts for NancyRae_22:
(Start: 73 @17275 has 2 MA's), (Start: 130 @17350 has 17 MA's), (177, 17443), (185, 17458), (187, 17464), (215, 17539), (237, 17611), (286, 17722), (300, 17767), (305, 17785), (309, 17797), (402, 17968), (405, 17977), (406, 17983), (420, 18016), (441, 18079), (453, 18130), (472, 18154), (479, 18178), (504, 18253), (512, 18277), (516, 18292), (559, 18424), (593, 18538), (627, 18625), (656, 18739), (659, 18748), (688, 18853), (715, 18940), (745, 19048),

Gene: NatB6_41 Start: 29876, Stop: 31489, Start Num: 109
Candidate Starts for NatB6_41:
(Start: 109 @29876 has 43 MA's), (Start: 141 @29912 has 1 MA's), (152, 29930), (185, 29990), (280, 30230), (287, 30242), (292, 30257), (316, 30323), (324, 30338), (332, 30362), (333, 30365), (365, 30449), (385, 30479), (387, 30482), (417, 30539), (434, 30587), (435, 30590), (442, 30611), (488, 30716), (504, 30761), (531, 30803), (583, 30977), (592, 31007), (593, 31013), (642, 31121), (643, 31124), (663, 31199), (723, 31418), (738, 31475),

Gene: Natkenzie_35 Start: 30754, Stop: 32376, Start Num: 123
Candidate Starts for Natkenzie_35:
(Start: 123 @30754 has 61 MA's), (140, 30775), (145, 30787), (175, 30838), (202, 30901), (225, 30973), (268, 31060), (290, 31111), (299, 31141), (330, 31222), (339, 31249), (405, 31348), (416, 31378), (420, 31387), (431, 31420), (432, 31423), (433, 31426), (436, 31435), (450, 31483), (481, 31531), (484, 31540), (514, 31639), (532, 31678), (538, 31690), (567, 31807), (581, 31846), (602, 31885), (627, 31942), (638, 31981), (640, 31990), (652, 32047), (655, 32059), (671, 32116), (672, 32122), (677, 32143), (688, 32176), (701, 32221), (732, 32350), (734, 32359),

Gene: Nazo_18 Start: 16129, Stop: 17865, Start Num: 107
Candidate Starts for Nazo_18:
(Start: 107 @16129 has 54 MA's), (161, 16213), (Start: 209 @16327 has 11 MA's), (211, 16333), (219, 16354), (225, 16372), (235, 16405), (244, 16429), (305, 16588), (307, 16594), (349, 16708), (370, 16765), (396, 16804), (397, 16810), (405, 16834), (426, 16888), (429, 16900), (432, 16909), (450, 16969), (475, 17014), (487, 17047), (500, 17086), (511, 17119), (513, 17131), (529, 17185), (547, 17233), (555, 17263), (559, 17275), (590, 17377), (593, 17389), (594, 17392), (596, 17398), (616, 17407), (646, 17515), (667, 17599), (693, 17698), (714, 17755), (738, 17854),

Gene: Nebkiss_17 Start: 15060, Stop: 16949, Start Num: 73
Candidate Starts for Nebkiss_17:
(Start: 73 @15060 has 2 MA's), (76, 15069), (88, 15090), (Start: 141 @15159 has 1 MA's), (152, 15177), (160, 15195), (185, 15249), (198, 15285), (204, 15300), (205, 15303), (225, 15363), (266,

15456), (284, 15501), (288, 15507), (289, 15513), (295, 15534), (299, 15546), (315, 15594), (332, 15633), (333, 15636), (334, 15639), (346, 15675), (355, 15693), (376, 15720), (381, 15729), (404, 15768), (409, 15786), (428, 15834), (442, 15876), (454, 15930), (455, 15936), (456, 15942), (468, 15972), (470, 16011), (472, 16020), (479, 16044), (483, 16050), (511, 16140), (514, 16155), (542, 16221), (551, 16251), (561, 16299), (566, 16323), (567, 16326), (578, 16353), (595, 16413), (605, 16434), (610, 16455), (625, 16503), (628, 16515), (640, 16560), (654, 16620), (679, 16716), (680, 16722), (688, 16746), (692, 16758), (696, 16767), (701, 16785), (716, 16836), (726, 16884), (727, 16893), (729, 16902), (731, 16911), (732, 16914), (745, 16941),

Gene: Necropolis_19 Start: 16385, Stop: 18121, Start Num: 107
Candidate Starts for Necropolis_19:
(Start: 90 @16361 has 2 MA's), (Start: 107 @16385 has 54 MA's), (148, 16445), (159, 16466), (161, 16469), (211, 16589), (225, 16628), (235, 16661), (244, 16685), (294, 16805), (305, 16844), (307, 16850), (339, 16934), (341, 16940), (345, 16952), (354, 16976), (362, 17003), (370, 17021), (396, 17060), (397, 17066), (405, 17090), (426, 17144), (429, 17156), (432, 17165), (450, 17225), (487, 17303), (500, 17342), (511, 17375), (529, 17441), (537, 17456), (540, 17465), (547, 17489), (555, 17519), (559, 17531), (590, 17633), (593, 17645), (594, 17648), (596, 17654), (616, 17663), (646, 17771), (667, 17855), (693, 17954), (725, 18062), (738, 18110),

Gene: Nekros_34 Start: 27091, Stop: 28824, Start Num: 113
Candidate Starts for Nekros_34:
(Start: 113 @27091 has 31 MA's), (Start: 169 @27181 has 49 MA's), (171, 27184), (Start: 209 @27286 has 11 MA's), (231, 27352), (244, 27388), (260, 27418), (266, 27433), (295, 27514), (296, 27517), (307, 27553), (319, 27580), (334, 27619), (345, 27652), (348, 27661), (369, 27718), (386, 27760), (422, 27835), (426, 27847), (445, 27907), (446, 27913), (470, 27961), (483, 27991), (487, 28009), (491, 28018), (501, 28051), (505, 28063), (507, 28069), (520, 28108), (540, 28165), (585, 28315), (590, 28333), (621, 28375), (627, 28399), (628, 28402), (631, 28417), (640, 28447), (648, 28477), (663, 28534), (704, 28681), (705, 28684), (738, 28810),

Gene: NelitzaMV_24 Start: 19899, Stop: 21494, Start Num: 169
Candidate Starts for NelitzaMV_24:
(Start: 119 @19815 has 132 MA's), (Start: 169 @19899 has 49 MA's), (Start: 203 @19977 has 1 MA's), (231, 20064), (236, 20079), (259, 20127), (273, 20166), (305, 20253), (319, 20286), (333, 20322), (343, 20352), (345, 20358), (370, 20427), (399, 20457), (403, 20469), (404, 20472), (426, 20529), (483, 20661), (484, 20667), (505, 20733), (507, 20739), (513, 20763), (529, 20811), (540, 20835), (543, 20844), (562, 20919), (580, 20970), (585, 20985), (648, 21147), (654, 21174), (663, 21204), (689, 21309), (716, 21387), (723, 21423), (725, 21432), (732, 21465), (738, 21480),

Gene: Nenae_18 Start: 14993, Stop: 16702, Start Num: 119
Candidate Starts for Nenae_18:
(Start: 119 @14993 has 132 MA's), (139, 15020), (159, 15059), (Start: 193 @15125 has 2 MA's), (197, 15137), (208, 15173), (217, 15197), (225, 15224), (231, 15245), (234, 15254), (236, 15260), (252, 15293), (318, 15467), (321, 15473), (325, 15482), (329, 15491), (333, 15503), (341, 15527), (356, 15569), (367, 15602), (397, 15653), (398, 15656), (402, 15668), (417, 15710), (424, 15725), (426, 15731), (440, 15779), (460, 15833), (481, 15857), (504, 15929), (522, 15983), (527, 15992), (529, 16001), (540, 16025), (548, 16052), (549, 16055), (578, 16160), (580, 16169), (592, 16208), (632, 16289), (647, 16346), (656, 16385), (686, 16499), (698, 16529), (699, 16532), (703, 16556), (716, 16592),

Gene: Neobush_19 Start: 17773, Stop: 19371, Start Num: 121
Candidate Starts for Neobush_19:
(Start: 121 @17773 has 70 MA's), (240, 18022), (247, 18031), (259, 18049), (260, 18052), (280, 18106), (306, 18181), (333, 18250), (336, 18259), (340, 18271), (357, 18322), (367, 18349), (376,

18358), (378, 18361), (424, 18391), (425, 18394), (443, 18451), (474, 18517), (503, 18595), (521, 18628), (539, 18652), (550, 18688), (577, 18790), (593, 18847), (619, 18892), (622, 18898), (631, 18937), (692, 19177), (711, 19255),

Gene: Neoh_18 Start: 16641, Stop: 18395, Start Num: 97
Candidate Starts for Neoh_18:
(Start: 77 @16632 has 26 MA's), (Start: 97 @16641 has 61 MA's), (Start: 103 @16647 has 1 MA's), (111, 16653), (185, 16785), (204, 16836), (215, 16866), (222, 16890), (266, 16992), (281, 17031), (284, 17037), (290, 17052), (303, 17097), (348, 17217), (386, 17274), (404, 17313), (423, 17361), (431, 17388), (435, 17400), (458, 17481), (481, 17526), (551, 17724), (556, 17754), (561, 17772), (567, 17799), (594, 17883), (607, 17901), (614, 17916), (627, 17964), (630, 17979), (648, 18042), (663, 18099), (672, 18138), (682, 18180), (701, 18231), (725, 18327), (745, 18387),

Gene: Nergal_22 Start: 17111, Stop: 18910, Start Num: 56
Candidate Starts for Nergal_22:
(Start: 56 @17111 has 2 MA's), (61, 17126), (83, 17168), (86, 17171), (160, 17258), (175, 17291), (236, 17453), (279, 17552), (304, 17624), (315, 17654), (332, 17693), (345, 17732), (356, 17756), (433, 17903), (445, 17939), (461, 17993), (479, 18041), (500, 18104), (567, 18314), (580, 18350), (630, 18491), (639, 18518), (659, 18599), (677, 18671), (689, 18707), (696, 18725), (724, 18833), (730, 18863), (733, 18878),

Gene: Nettuno_17 Start: 14697, Stop: 16406, Start Num: 123
Candidate Starts for Nettuno_17:
(Start: 123 @14697 has 61 MA's), (186, 14814), (210, 14886), (236, 14964), (292, 15087), (298, 15108), (324, 15177), (326, 15180), (344, 15237), (376, 15312), (395, 15366), (424, 15447), (443, 15507), (445, 15513), (531, 15672), (539, 15690), (544, 15705), (551, 15729), (567, 15801), (568, 15804), (577, 15825), (654, 16059), (658, 16074), (669, 16116), (691, 16209), (692, 16212), (702, 16260), (711, 16290), (725, 16347),

Gene: Nibb_22 Start: 16431, Stop: 18197, Start Num: 82
Candidate Starts for Nibb_22:
(Start: 64 @16392 has 1 MA's), (Start: 77 @16422 has 26 MA's), (Start: 82 @16431 has 156 MA's), (Start: 103 @16461 has 1 MA's), (177, 16587), (185, 16602), (204, 16653), (225, 16716), (268, 16818), (269, 16824), (284, 16854), (309, 16932), (313, 16941), (330, 16980), (346, 17028), (355, 17046), (382, 17085), (384, 17088), (398, 17103), (404, 17121), (409, 17139), (420, 17163), (423, 17169), (431, 17196), (447, 17250), (481, 17334), (486, 17352), (547, 17514), (551, 17526), (561, 17574), (584, 17649), (595, 17688), (617, 17733), (627, 17766), (629, 17772), (636, 17799), (657, 17883), (671, 17934), (672, 17940), (701, 18033), (702, 18042), (725, 18129), (745, 18189),

Gene: Nibley_29 Start: 23862, Stop: 25505, Start Num: 169
Candidate Starts for Nibley_29:
(Start: 113 @23772 has 31 MA's), (Start: 169 @23862 has 49 MA's), (171, 23865), (202, 23940), (Start: 209 @23967 has 11 MA's), (244, 24069), (260, 24099), (266, 24114), (296, 24198), (307, 24234), (319, 24261), (334, 24300), (345, 24333), (348, 24342), (369, 24399), (386, 24441), (422, 24516), (426, 24528), (445, 24588), (470, 24642), (483, 24672), (487, 24690), (491, 24699), (501, 24732), (505, 24744), (507, 24750), (520, 24789), (540, 24846), (585, 24996), (590, 25014), (621, 25056), (627, 25080), (628, 25083), (631, 25098), (640, 25128), (648, 25158), (663, 25215), (705, 25365), (734, 25485), (738, 25491),

Gene: Nichirin_16 Start: 15006, Stop: 16715, Start Num: 114
Candidate Starts for Nichirin_16:
(Start: 114 @15006 has 231 MA's), (171, 15093), (181, 15114), (Start: 193 @15138 has 2 MA's), (202, 15162), (207, 15183), (234, 15267), (236, 15273), (242, 15291), (259, 15321), (299, 15426), (318,

15480), (321, 15486), (329, 15504), (330, 15507), (333, 15516), (341, 15540), (367, 15615), (371, 15627), (378, 15642), (381, 15648), (397, 15666), (402, 15681), (404, 15687), (414, 15714), (417, 15723), (424, 15738), (426, 15744), (440, 15792), (445, 15804), (446, 15810), (481, 15870), (485, 15882), (497, 15918), (500, 15930), (507, 15951), (527, 16005), (529, 16014), (538, 16032), (540, 16038), (549, 16068), (578, 16173), (580, 16182), (581, 16185), (592, 16221), (622, 16260), (631, 16299), (663, 16419), (671, 16452), (679, 16482), (686, 16512), (688, 16521), (690, 16527), (698, 16542), (699, 16545), (702, 16566), (703, 16569), (716, 16605), (718, 16611), (723, 16641), (732, 16683),

Gene: NiebruSaylor_55 Start: 32904, Stop: 34640, Start Num: 94
Candidate Starts for NiebruSaylor_55:
(Start: 89 @32895 has 2 MA's), (Start: 94 @32904 has 30 MA's), (Start: 156 @32994 has 1 MA's), (207, 33111), (219, 33147), (226, 33168), (234, 33195), (236, 33201), (249, 33231), (261, 33255), (283, 33306), (333, 33444), (335, 33450), (352, 33501), (354, 33504), (359, 33522), (397, 33573), (404, 33594), (405, 33597), (424, 33645), (426, 33651), (440, 33699), (443, 33705), (445, 33711), (471, 33771), (481, 33795), (483, 33798), (497, 33843), (501, 33858), (504, 33867), (507, 33876), (522, 33921), (529, 33939), (543, 33972), (581, 34110), (587, 34131), (625, 34197), (632, 34227), (646, 34281), (656, 34323), (663, 34344), (667, 34365), (671, 34377), (676, 34398), (690, 34452), (716, 34530), (723, 34566), (727, 34587), (733, 34614),

Gene: Nikao_19 Start: 16697, Stop: 18463, Start Num: 82
Candidate Starts for Nikao_19:
(Start: 82 @16697 has 156 MA's), (Start: 87 @16703 has 18 MA's), (Start: 103 @16727 has 1 MA's), (177, 16853), (185, 16868), (Start: 193 @16886 has 2 MA's), (215, 16949), (268, 17084), (269, 17090), (309, 17198), (313, 17207), (355, 17312), (402, 17381), (404, 17387), (417, 17423), (423, 17435), (443, 17498), (481, 17600), (486, 17618), (500, 17660), (501, 17663), (544, 17768), (561, 17840), (593, 17948), (595, 17954), (617, 17999), (632, 18053), (639, 18074), (657, 18149), (671, 18200), (701, 18299), (704, 18314), (716, 18350), (725, 18395), (733, 18434), (734, 18437), (745, 18455),

Gene: Niklas_23 Start: 16517, Stop: 18283, Start Num: 82
Candidate Starts for Niklas_23:
(Start: 77 @16508 has 26 MA's), (Start: 82 @16517 has 156 MA's), (Start: 87 @16523 has 18 MA's), (Start: 103 @16547 has 1 MA's), (135, 16586), (177, 16673), (185, 16688), (Start: 193 @16706 has 2 MA's), (204, 16739), (268, 16904), (284, 16940), (309, 17018), (313, 17027), (355, 17132), (356, 17135), (384, 17174), (402, 17201), (404, 17207), (420, 17249), (423, 17255), (431, 17282), (481, 17420), (486, 17438), (516, 17528), (529, 17555), (544, 17588), (561, 17660), (578, 17714), (588, 17750), (595, 17774), (617, 17819), (627, 17852), (630, 17867), (636, 17885), (639, 17894), (657, 17969), (671, 18020), (672, 18026), (702, 18128), (733, 18254), (734, 18257), (745, 18275),

Gene: Nimbo_16 Start: 14808, Stop: 16517, Start Num: 114
Candidate Starts for Nimbo_16:
(Start: 114 @14808 has 231 MA's), (171, 14895), (Start: 193 @14940 has 2 MA's), (202, 14964), (234, 15069), (236, 15075), (242, 15093), (259, 15123), (299, 15228), (321, 15288), (330, 15309), (333, 15318), (341, 15342), (397, 15468), (402, 15483), (404, 15489), (417, 15525), (418, 15528), (424, 15540), (426, 15546), (440, 15594), (445, 15606), (446, 15612), (481, 15672), (485, 15684), (497, 15720), (500, 15732), (527, 15807), (529, 15816), (538, 15834), (540, 15840), (549, 15870), (578, 15975), (580, 15984), (581, 15987), (592, 16023), (631, 16101), (656, 16200), (663, 16221), (671, 16254), (679, 16284), (686, 16314), (688, 16323), (690, 16329), (698, 16344), (699, 16347), (702, 16368), (703, 16371), (718, 16413), (723, 16443), (732, 16485),

Gene: Nimrod_24 Start: 19991, Stop: 21670, Start Num: 119
Candidate Starts for Nimrod_24:

(Start: 119 @19991 has 132 MA's), (Start: 169 @20075 has 49 MA's), (Start: 203 @20153 has 1 MA's), (231, 20240), (236, 20255), (259, 20303), (273, 20342), (305, 20429), (319, 20462), (333, 20498), (343, 20528), (345, 20534), (370, 20603), (399, 20633), (403, 20645), (404, 20648), (426, 20705), (483, 20837), (484, 20843), (505, 20909), (507, 20915), (513, 20939), (529, 20987), (540, 21011), (543, 21020), (562, 21095), (580, 21146), (585, 21161), (648, 21323), (654, 21350), (663, 21380), (689, 21485), (716, 21563), (723, 21599), (725, 21608), (732, 21641), (738, 21656),

Gene: Nitzel_17 Start: 15550, Stop: 17259, Start Num: 116
Candidate Starts for Nitzel_17:
(Start: 116 @15550 has 1 MA's), (Start: 193 @15682 has 2 MA's), (202, 15706), (204, 15715), (226, 15784), (236, 15817), (242, 15835), (247, 15844), (299, 15970), (321, 16030), (330, 16051), (333, 16060), (341, 16084), (356, 16126), (367, 16159), (369, 16162), (371, 16171), (378, 16186), (381, 16192), (397, 16210), (402, 16225), (404, 16231), (417, 16267), (418, 16270), (424, 16282), (426, 16288), (428, 16297), (440, 16336), (445, 16348), (497, 16462), (500, 16474), (512, 16507), (527, 16549), (529, 16558), (538, 16576), (540, 16582), (578, 16717), (581, 16729), (592, 16765), (631, 16843), (679, 17026), (685, 17053), (686, 17056), (688, 17065), (690, 17071), (698, 17086), (702, 17110), (703, 17113), (706, 17122), (718, 17155), (732, 17227),

Gene: Nivrat_16 Start: 14812, Stop: 16521, Start Num: 114
Candidate Starts for Nivrat_16:
(Start: 114 @14812 has 231 MA's), (171, 14899), (Start: 193 @14944 has 2 MA's), (202, 14968), (234, 15073), (236, 15079), (242, 15097), (259, 15127), (299, 15232), (318, 15286), (321, 15292), (325, 15301), (333, 15322), (341, 15346), (354, 15382), (356, 15388), (367, 15421), (369, 15424), (371, 15433), (378, 15448), (381, 15454), (397, 15472), (402, 15487), (404, 15493), (409, 15511), (410, 15514), (417, 15529), (424, 15544), (426, 15550), (440, 15598), (445, 15610), (446, 15616), (481, 15676), (485, 15688), (497, 15724), (500, 15736), (527, 15811), (529, 15820), (538, 15838), (540, 15844), (549, 15874), (578, 15979), (581, 15991), (592, 16027), (631, 16105), (663, 16225), (671, 16258), (679, 16288), (681, 16300), (686, 16318), (687, 16324), (688, 16327), (690, 16333), (698, 16348), (699, 16351), (702, 16372), (703, 16375), (718, 16417), (723, 16447), (732, 16489), (733, 16495),

Gene: NoShow_18 Start: 15497, Stop: 17335, Start Num: 54
Candidate Starts for NoShow_18:
(Start: 54 @15497 has 4 MA's), (Start: 141 @15614 has 1 MA's), (177, 15689), (185, 15704), (205, 15758), (221, 15806), (292, 15977), (319, 16055), (320, 16058), (330, 16082), (339, 16109), (378, 16178), (380, 16181), (394, 16229), (402, 16259), (404, 16265), (409, 16283), (410, 16286), (423, 16313), (427, 16328), (443, 16376), (446, 16388), (479, 16475), (485, 16490), (511, 16571), (535, 16628), (544, 16649), (550, 16670), (596, 16838), (638, 16940), (640, 16949), (647, 16976), (654, 17006), (671, 17069), (672, 17075), (701, 17168), (731, 17294), (733, 17303),

Gene: NoSleep_25 Start: 19485, Stop: 21164, Start Num: 119
Candidate Starts for NoSleep_25:
(Start: 119 @19485 has 132 MA's), (Start: 169 @19569 has 49 MA's), (Start: 203 @19647 has 1 MA's), (231, 19734), (236, 19749), (259, 19797), (273, 19836), (305, 19923), (319, 19956), (333, 19992), (343, 20022), (345, 20028), (370, 20097), (399, 20127), (403, 20139), (404, 20142), (426, 20199), (483, 20331), (484, 20337), (505, 20403), (507, 20409), (513, 20433), (529, 20481), (540, 20505), (543, 20514), (562, 20589), (580, 20640), (585, 20655), (648, 20817), (654, 20844), (663, 20874), (689, 20979), (716, 21057), (723, 21093), (725, 21102), (732, 21135), (738, 21150),

Gene: Nolwazi_25 Start: 18547, Stop: 20334, Start Num: 82
Candidate Starts for Nolwazi_25:
(Start: 64 @18508 has 1 MA's), (Start: 77 @18538 has 26 MA's), (Start: 80 @18544 has 43 MA's), (Start: 82 @18547 has 156 MA's), (135, 18604), (160, 18652), (177, 18691), (185, 18706), (Start: 193

@18724 has 2 MA's), (204, 18757), (215, 18787), (229, 18832), (236, 18850), (268, 18922), (269, 18928), (284, 18958), (305, 19024), (309, 19036), (369, 19171), (402, 19219), (404, 19225), (409, 19243), (423, 19273), (435, 19312), (436, 19315), (481, 19438), (500, 19498), (501, 19501), (507, 19519), (512, 19534), (561, 19702), (578, 19756), (591, 19801), (609, 19846), (617, 19870), (627, 19903), (636, 19936), (654, 20008), (657, 20020), (671, 20071), (672, 20077), (702, 20179), (733, 20305), (745, 20326),

Gene: NonchalantPear_24 Start: 19441, Stop: 21120, Start Num: 119
Candidate Starts for NonchalantPear_24:
(Start: 119 @19441 has 132 MA's), (Start: 169 @19525 has 49 MA's), (Start: 203 @19603 has 1 MA's), (231, 19690), (236, 19705), (259, 19753), (273, 19792), (305, 19879), (319, 19912), (333, 19948), (343, 19978), (345, 19984), (370, 20053), (399, 20083), (403, 20095), (404, 20098), (426, 20155), (483, 20287), (484, 20293), (505, 20359), (507, 20365), (513, 20389), (529, 20437), (540, 20461), (543, 20470), (562, 20545), (580, 20596), (585, 20611), (648, 20773), (654, 20800), (663, 20830), (689, 20935), (716, 21013), (723, 21049), (725, 21058), (732, 21091), (738, 21106),

Gene: NormanBulbieJr_16 Start: 14800, Stop: 16509, Start Num: 114
Candidate Starts for NormanBulbieJr_16:
(Start: 114 @14800 has 231 MA's), (171, 14887), (Start: 193 @14932 has 2 MA's), (202, 14956), (234, 15061), (236, 15067), (242, 15085), (259, 15115), (299, 15220), (321, 15280), (330, 15301), (333, 15310), (341, 15334), (397, 15460), (402, 15475), (404, 15481), (417, 15517), (418, 15520), (424, 15532), (426, 15538), (440, 15586), (445, 15598), (446, 15604), (481, 15664), (485, 15676), (497, 15712), (500, 15724), (527, 15799), (529, 15808), (538, 15826), (540, 15832), (549, 15862), (578, 15967), (581, 15979), (592, 16015), (631, 16093), (656, 16192), (663, 16213), (671, 16246), (679, 16276), (681, 16288), (686, 16306), (687, 16312), (688, 16315), (690, 16321), (698, 16336), (699, 16339), (702, 16360), (703, 16363), (718, 16405), (723, 16435), (732, 16477), (733, 16483),

Gene: Norvs_49 Start: 29614, Stop: 31305, Start Num: 104
Candidate Starts for Norvs_49:
(Start: 104 @29614 has 17 MA's), (146, 29674), (165, 29707), (177, 29737), (179, 29740), (236, 29899), (239, 29908), (300, 30037), (317, 30085), (426, 30298), (427, 30304), (435, 30328), (490, 30457), (497, 30478), (507, 30511), (562, 30709), (629, 30862), (654, 30961), (657, 30973), (660, 30982), (681, 31066), (724, 31213), (731, 31249),

Gene: NosilaM_44 Start: 30458, Stop: 32074, Start Num: 109
Candidate Starts for NosilaM_44:
(Start: 109 @30458 has 43 MA's), (185, 30572), (216, 30656), (292, 30839), (316, 30905), (324, 30920), (332, 30944), (365, 31031), (385, 31061), (387, 31064), (417, 31121), (442, 31193), (488, 31298), (531, 31385), (549, 31433), (583, 31559), (593, 31595), (643, 31706), (663, 31781), (714, 31958), (723, 32000), (738, 32057),

Gene: November_21 Start: 17472, Stop: 19238, Start Num: 82
Candidate Starts for November_21:
(Start: 82 @17472 has 156 MA's), (Start: 103 @17502 has 1 MA's), (177, 17628), (185, 17643), (Start: 193 @17661 has 2 MA's), (204, 17694), (215, 17724), (225, 17757), (229, 17769), (268, 17859), (284, 17895), (288, 17901), (313, 17982), (348, 18075), (355, 18087), (356, 18090), (382, 18126), (398, 18144), (404, 18162), (409, 18180), (420, 18204), (423, 18210), (431, 18237), (443, 18273), (486, 18393), (516, 18483), (529, 18510), (547, 18555), (561, 18615), (584, 18690), (591, 18714), (628, 18810), (636, 18840), (639, 18849), (657, 18924), (702, 19083), (733, 19209), (734, 19212), (745, 19230),

Gene: NovoPizza_20 Start: 18353, Stop: 20119, Start Num: 67
Candidate Starts for NovoPizza_20:

(Start: 67 @18353 has 1 MA's), (Start: 102 @18410 has 1 MA's), (120, 18428), (142, 18467), (163, 18503), (177, 18536), (185, 18551), (304, 18875), (307, 18884), (315, 18905), (336, 18956), (354, 18998), (405, 19070), (409, 19085), (436, 19157), (441, 19172), (453, 19223), (472, 19244), (518, 19388), (542, 19436), (551, 19466), (559, 19508), (567, 19541), (591, 19613), (593, 19622), (594, 19625), (627, 19691), (629, 19697), (656, 19805), (665, 19835), (669, 19853), (672, 19865), (676, 19880), (677, 19883), (702, 19964), (713, 19997), (715, 20003), (716, 20006), (745, 20111),

Gene: NovumRegina_41 Start: 30206, Stop: 31819, Start Num: 109
Candidate Starts for NovumRegina_41:
(Start: 109 @30206 has 43 MA's), (Start: 141 @30242 has 1 MA's), (152, 30260), (185, 30320), (280, 30560), (287, 30572), (292, 30587), (316, 30653), (324, 30668), (332, 30692), (333, 30695), (365, 30779), (385, 30809), (387, 30812), (417, 30869), (434, 30917), (435, 30920), (442, 30941), (488, 31046), (504, 31091), (531, 31133), (583, 31307), (592, 31337), (593, 31343), (642, 31451), (643, 31454), (663, 31529), (723, 31748), (738, 31805),

Gene: Nutello_19 Start: 16697, Stop: 18463, Start Num: 82
Candidate Starts for Nutello_19:
(Start: 82 @16697 has 156 MA's), (Start: 87 @16703 has 18 MA's), (Start: 103 @16727 has 1 MA's), (177, 16853), (185, 16868), (Start: 193 @16886 has 2 MA's), (215, 16949), (268, 17084), (269, 17090), (309, 17198), (313, 17207), (355, 17312), (402, 17381), (404, 17387), (417, 17423), (423, 17435), (443, 17498), (481, 17600), (486, 17618), (500, 17660), (501, 17663), (544, 17768), (561, 17840), (593, 17948), (595, 17954), (617, 17999), (632, 18053), (639, 18074), (657, 18149), (671, 18200), (701, 18299), (704, 18314), (716, 18350), (725, 18395), (733, 18434), (734, 18437), (745, 18455),

Gene: Nyceirae_23 Start: 18768, Stop: 20426, Start Num: 109
Candidate Starts for Nyceirae_23:
(49, 18639), (85, 18732), (Start: 109 @18768 has 43 MA's), (Start: 121 @18780 has 70 MA's), (185, 18894), (197, 18924), (214, 18978), (232, 19044), (234, 19050), (288, 19161), (291, 19170), (298, 19197), (300, 19203), (301, 19206), (307, 19227), (340, 19311), (402, 19398), (403, 19401), (427, 19467), (432, 19482), (448, 19536), (462, 19566), (473, 19575), (490, 19617), (497, 19638), (512, 19686), (514, 19698), (527, 19725), (551, 19794), (565, 19863), (578, 19896), (605, 19953), (628, 20004), (646, 20073), (668, 20160), (672, 20175), (689, 20232), (692, 20241), (702, 20280), (715, 20319), (717, 20325),

Gene: Nymphadora_19 Start: 17764, Stop: 19362, Start Num: 121
Candidate Starts for Nymphadora_19:
(Start: 121 @17764 has 70 MA's), (247, 18022), (259, 18040), (260, 18043), (280, 18097), (306, 18172), (333, 18241), (336, 18250), (340, 18262), (357, 18313), (367, 18340), (376, 18349), (378, 18352), (425, 18385), (443, 18442), (474, 18508), (521, 18619), (539, 18643), (550, 18679), (577, 18781), (593, 18838), (631, 18928), (692, 19168), (711, 19246),

Gene: OBUpride_22 Start: 17400, Stop: 19142, Start Num: 80
Candidate Starts for OBUpride_22:
(Start: 80 @17400 has 43 MA's), (Start: 87 @17409 has 18 MA's), (120, 17451), (152, 17502), (163, 17526), (170, 17538), (177, 17559), (185, 17574), (Start: 193 @17592 has 2 MA's), (204, 17625), (212, 17652), (236, 17724), (272, 17814), (304, 17898), (307, 17907), (315, 17928), (341, 17994), (354, 18021), (379, 18054), (398, 18072), (405, 18093), (409, 18108), (410, 18111), (435, 18177), (436, 18180), (453, 18246), (464, 18258), (472, 18267), (473, 18270), (501, 18357), (518, 18411), (541, 18456), (543, 18462), (560, 18534), (567, 18564), (578, 18591), (588, 18627), (591, 18636), (627, 18714), (665, 18858), (669, 18876), (672, 18888), (676, 18903), (677, 18906), (682, 18927), (688, 18939), (702, 18987), (713, 19020), (729, 19095), (733, 19113), (745, 19134),

Gene: ODay_25 Start: 18641, Stop: 20350, Start Num: 110

Candidate Starts for ODay_25:
(Start: 110 @18641 has 31 MA's), (Start: 122 @18653 has 1 MA's), (124, 18656), (145, 18695), (216, 18860), (250, 18953), (269, 19004), (272, 19013), (282, 19031), (298, 19073), (300, 19079), (307, 19103), (308, 19109), (315, 19127), (336, 19178), (338, 19184), (348, 19214), (396, 19256), (402, 19277), (404, 19283), (412, 19307), (431, 19358), (432, 19361), (442, 19391), (444, 19397), (500, 19541), (555, 19703), (575, 19769), (578, 19778), (584, 19799), (623, 19892), (628, 19913), (630, 19925), (632, 19931), (635, 19940), (636, 19943), (649, 19997), (657, 20027), (675, 20096), (698, 20183), (700, 20189), (713, 20240), (723, 20285), (732, 20327), (741, 20345),

Gene: Obliviate_18 Start: 16440, Stop: 18086, Start Num: 150
Candidate Starts for Obliviate_18:
(Start: 130 @16404 has 17 MA's), (Start: 150 @16440 has 49 MA's), (199, 16542), (223, 16620), (224, 16623), (264, 16719), (278, 16758), (300, 16818), (306, 16839), (329, 16893), (334, 16908), (426, 17079), (435, 17109), (507, 17292), (513, 17316), (534, 17367), (562, 17460), (566, 17472), (582, 17517), (586, 17532), (628, 17664), (629, 17667), (654, 17766), (659, 17784), (672, 17835), (692, 17901), (709, 17964), (714, 17976),

Gene: Ochi17_16 Start: 15041, Stop: 16750, Start Num: 114
Candidate Starts for Ochi17_16:
(Start: 114 @15041 has 231 MA's), (171, 15128), (181, 15149), (Start: 193 @15173 has 2 MA's), (202, 15197), (207, 15218), (234, 15302), (236, 15308), (242, 15326), (259, 15356), (299, 15461), (318, 15515), (321, 15521), (329, 15539), (330, 15542), (333, 15551), (341, 15575), (367, 15650), (371, 15662), (378, 15677), (381, 15683), (397, 15701), (402, 15716), (404, 15722), (414, 15749), (417, 15758), (424, 15773), (426, 15779), (440, 15827), (445, 15839), (446, 15845), (481, 15905), (485, 15917), (497, 15953), (500, 15965), (507, 15986), (527, 16040), (529, 16049), (538, 16067), (540, 16073), (549, 16103), (578, 16208), (580, 16217), (581, 16220), (592, 16256), (622, 16295), (631, 16334), (663, 16454), (671, 16487), (679, 16517), (686, 16547), (688, 16556), (690, 16562), (698, 16577), (699, 16580), (702, 16601), (703, 16604), (716, 16640), (718, 16646), (723, 16676), (732, 16718),

Gene: OctaviousRex_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for OctaviousRex_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Odette_36 Start: 26877, Stop: 28610, Start Num: 113
Candidate Starts for Odette_36:
(Start: 113 @26877 has 31 MA's), (Start: 169 @26967 has 49 MA's), (189, 27015), (202, 27045), (Start: 209 @27072 has 11 MA's), (244, 27174), (260, 27204), (296, 27303), (307, 27339), (308, 27345), (319, 27366), (345, 27438), (348, 27447), (356, 27468), (381, 27537), (404, 27576), (405, 27579), (409, 27594), (426, 27633), (440, 27681), (445, 27693), (446, 27699), (470, 27747), (472, 27756), (483, 27777), (487, 27795), (503, 27843), (538, 27945), (555, 28005), (559, 28017), (585, 28101), (588, 28113), (590, 28119), (593, 28131), (594, 28134), (624, 28173), (629, 28191), (639, 28227), (640, 28233), (663, 28320), (685, 28410), (701, 28452), (705, 28470), (715, 28500), (724, 28542), (738, 28596),

Gene: OfUltron_16 Start: 15041, Stop: 16750, Start Num: 114
Candidate Starts for OfUltron_16:

(Start: 114 @15041 has 231 MA's), (171, 15128), (181, 15149), (Start: 193 @15173 has 2 MA's), (202, 15197), (207, 15218), (234, 15302), (236, 15308), (242, 15326), (259, 15356), (299, 15461), (318, 15515), (321, 15521), (329, 15539), (330, 15542), (333, 15551), (341, 15575), (367, 15650), (371, 15662), (378, 15677), (381, 15683), (397, 15701), (402, 15716), (404, 15722), (414, 15749), (417, 15758), (424, 15773), (426, 15779), (440, 15827), (445, 15839), (446, 15845), (481, 15905), (485, 15917), (497, 15953), (500, 15965), (507, 15986), (527, 16040), (529, 16049), (538, 16067), (540, 16073), (549, 16103), (578, 16208), (580, 16217), (581, 16220), (592, 16256), (622, 16295), (631, 16334), (663, 16454), (671, 16487), (679, 16517), (686, 16547), (688, 16556), (690, 16562), (698, 16577), (699, 16580), (702, 16601), (703, 16604), (716, 16640), (718, 16646), (723, 16676), (732, 16718),

Gene: Ogopogo_19 Start: 15066, Stop: 16775, Start Num: 114
Candidate Starts for Ogopogo_19:
(Start: 114 @15066 has 231 MA's), (171, 15153), (181, 15174), (Start: 193 @15198 has 2 MA's), (202, 15222), (207, 15243), (234, 15327), (236, 15333), (242, 15351), (259, 15381), (299, 15486), (318, 15540), (321, 15546), (325, 15555), (330, 15567), (333, 15576), (341, 15600), (356, 15642), (367, 15675), (381, 15708), (397, 15726), (402, 15741), (404, 15747), (417, 15783), (424, 15798), (426, 15804), (440, 15852), (445, 15864), (446, 15870), (481, 15930), (497, 15978), (500, 15990), (527, 16065), (529, 16074), (538, 16092), (540, 16098), (549, 16128), (578, 16233), (581, 16245), (592, 16281), (663, 16479), (671, 16512), (679, 16542), (681, 16554), (686, 16572), (688, 16581), (690, 16587), (698, 16602), (699, 16605), (702, 16626), (703, 16629), (718, 16671), (723, 16701), (732, 16743), (733, 16749),

Gene: Ohgeesy_19 Start: 17387, Stop: 18985, Start Num: 121
Candidate Starts for Ohgeesy_19:
(Start: 121 @17387 has 70 MA's), (240, 17636), (247, 17645), (259, 17663), (260, 17666), (280, 17720), (306, 17795), (333, 17864), (336, 17873), (340, 17885), (344, 17897), (357, 17936), (367, 17963), (376, 17972), (378, 17975), (425, 18008), (443, 18065), (474, 18131), (521, 18242), (550, 18302), (577, 18404), (593, 18461), (631, 18551), (692, 18791), (711, 18869),

Gene: Okabe_18 Start: 15596, Stop: 17305, Start Num: 114
Candidate Starts for Okabe_18:
(Start: 114 @15596 has 231 MA's), (171, 15683), (202, 15752), (207, 15773), (234, 15857), (236, 15863), (242, 15881), (259, 15911), (299, 16016), (321, 16076), (325, 16085), (333, 16106), (339, 16124), (341, 16130), (356, 16172), (367, 16205), (378, 16232), (381, 16238), (397, 16256), (402, 16271), (404, 16277), (410, 16298), (417, 16313), (418, 16316), (424, 16328), (426, 16334), (440, 16382), (445, 16394), (446, 16400), (481, 16460), (485, 16472), (497, 16508), (500, 16520), (507, 16541), (527, 16595), (529, 16604), (538, 16622), (540, 16628), (549, 16658), (578, 16763), (581, 16775), (592, 16811), (621, 16847), (622, 16850), (631, 16889), (656, 16988), (663, 17009), (671, 17042), (679, 17072), (686, 17102), (688, 17111), (690, 17117), (698, 17132), (699, 17135), (702, 17156), (703, 17159), (718, 17201), (723, 17231), (732, 17273),

Gene: OkiRoe_21 Start: 17496, Stop: 19268, Start Num: 87
Candidate Starts for OkiRoe_21:
(Start: 87 @17496 has 18 MA's), (Start: 89 @17502 has 2 MA's), (106, 17526), (135, 17559), (160, 17607), (185, 17661), (204, 17712), (225, 17775), (269, 17883), (309, 17991), (355, 18105), (356, 18108), (384, 18147), (402, 18174), (404, 18180), (420, 18222), (423, 18228), (435, 18267), (443, 18291), (481, 18393), (501, 18456), (514, 18501), (561, 18636), (591, 18735), (621, 18813), (627, 18837), (632, 18858), (657, 18954), (659, 18960), (702, 19113), (728, 19218), (729, 19221), (733, 19239),

Gene: Oksu_17 Start: 14871, Stop: 16580, Start Num: 114
Candidate Starts for Oksu_17:

(Start: 114 @14871 has 231 MA's), (171, 14958), (Start: 193 @15003 has 2 MA's), (202, 15027), (234, 15132), (236, 15138), (242, 15156), (259, 15186), (299, 15291), (321, 15351), (330, 15372), (333, 15381), (341, 15405), (367, 15480), (397, 15531), (402, 15546), (404, 15552), (417, 15588), (424, 15603), (426, 15609), (440, 15657), (445, 15669), (446, 15675), (481, 15735), (485, 15747), (497, 15783), (500, 15795), (507, 15816), (527, 15870), (529, 15879), (538, 15897), (540, 15903), (549, 15933), (578, 16038), (580, 16047), (581, 16050), (592, 16086), (631, 16164), (656, 16263), (663, 16284), (671, 16317), (679, 16347), (686, 16377), (688, 16386), (690, 16392), (698, 16407), (699, 16410), (702, 16431), (703, 16434), (716, 16470), (718, 16476), (732, 16548),

Gene: OldBen_16 Start: 14778, Stop: 16487, Start Num: 114
Candidate Starts for OldBen_16:
(Start: 114 @14778 has 231 MA's), (171, 14865), (Start: 193 @14910 has 2 MA's), (202, 14934), (234, 15039), (236, 15045), (242, 15063), (247, 15072), (259, 15093), (299, 15198), (321, 15258), (330, 15279), (333, 15288), (341, 15312), (397, 15438), (402, 15453), (404, 15459), (417, 15495), (418, 15498), (424, 15510), (426, 15516), (440, 15564), (445, 15576), (446, 15582), (481, 15642), (485, 15654), (497, 15690), (500, 15702), (527, 15777), (529, 15786), (538, 15804), (540, 15810), (549, 15840), (578, 15945), (580, 15954), (581, 15957), (592, 15993), (631, 16071), (656, 16170), (663, 16191), (671, 16224), (679, 16254), (686, 16284), (688, 16293), (690, 16299), (698, 16314), (699, 16317), (702, 16338), (703, 16341), (718, 16383), (723, 16413), (732, 16455),

Gene: Olga_18 Start: 16640, Stop: 18403, Start Num: 77
Candidate Starts for Olga_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: OlympiaSaint_16 Start: 15002, Stop: 16711, Start Num: 114
Candidate Starts for OlympiaSaint_16:
(Start: 114 @15002 has 231 MA's), (171, 15089), (Start: 193 @15134 has 2 MA's), (202, 15158), (234, 15263), (236, 15269), (242, 15287), (259, 15317), (299, 15422), (321, 15482), (330, 15503), (333, 15512), (341, 15536), (367, 15611), (369, 15614), (397, 15662), (402, 15677), (404, 15683), (417, 15719), (418, 15722), (424, 15734), (426, 15740), (440, 15788), (445, 15800), (446, 15806), (481, 15866), (485, 15878), (497, 15914), (500, 15926), (527, 16001), (529, 16010), (538, 16028), (540, 16034), (549, 16064), (578, 16169), (581, 16181), (592, 16217), (631, 16295), (663, 16415), (671, 16448), (679, 16478), (686, 16508), (688, 16517), (690, 16523), (698, 16538), (699, 16541), (703, 16565), (714, 16595), (718, 16607), (723, 16637), (732, 16679),

Gene: Omega_36 Start: 28767, Stop: 30500, Start Num: 113
Candidate Starts for Omega_36:
(Start: 113 @28767 has 31 MA's), (Start: 169 @28857 has 49 MA's), (171, 28860), (202, 28935), (Start: 209 @28962 has 11 MA's), (231, 29028), (244, 29064), (260, 29094), (266, 29109), (296, 29193), (307, 29229), (319, 29256), (334, 29295), (345, 29328), (348, 29337), (369, 29394), (386, 29436), (422, 29511), (426, 29523), (445, 29583), (446, 29589), (470, 29637), (483, 29667), (487, 29685), (491, 29694), (501, 29727), (505, 29739), (507, 29745), (520, 29784), (540, 29841), (585, 29991), (590, 30009), (621, 30051), (627, 30075), (628, 30078), (631, 30093), (640, 30123), (648, 30153), (663, 30210), (705, 30360), (734, 30480), (738, 30486),

Gene: OmniCritical_24 Start: 18531, Stop: 20318, Start Num: 82
Candidate Starts for OmniCritical_24:

(Start: 64 @18492 has 1 MA's), (Start: 77 @18522 has 26 MA's), (Start: 80 @18528 has 43 MA's), (Start: 82 @18531 has 156 MA's), (135, 18588), (160, 18636), (177, 18675), (185, 18690), (Start: 193 @18708 has 2 MA's), (204, 18741), (215, 18771), (229, 18816), (236, 18834), (268, 18906), (269, 18912), (284, 18942), (305, 19008), (309, 19020), (369, 19155), (402, 19203), (404, 19209), (409, 19227), (423, 19257), (435, 19296), (481, 19422), (500, 19482), (501, 19485), (507, 19503), (512, 19518), (561, 19686), (578, 19740), (591, 19785), (609, 19830), (617, 19854), (627, 19887), (636, 19920), (654, 19992), (657, 20004), (671, 20055), (672, 20061), (702, 20163), (733, 20289), (745, 20310),

Gene: OneDirection_17 Start: 14664, Stop: 16373, Start Num: 123
Candidate Starts for OneDirection_17:
(51, 14529), (Start: 123 @14664 has 61 MA's), (210, 14853), (211, 14856), (236, 14931), (264, 14985), (292, 15054), (324, 15144), (326, 15147), (376, 15279), (395, 15333), (424, 15414), (443, 15474), (445, 15480), (490, 15561), (531, 15639), (539, 15657), (551, 15696), (567, 15768), (568, 15771), (577, 15792), (654, 16026), (658, 16041), (669, 16083), (691, 16176), (692, 16179), (702, 16227), (711, 16257),

Gene: OneUp_42 Start: 27048, Stop: 28739, Start Num: 104
Candidate Starts for OneUp_42:
(Start: 104 @27048 has 17 MA's), (146, 27108), (165, 27141), (212, 27264), (235, 27330), (262, 27378), (298, 27465), (300, 27471), (317, 27519), (319, 27522), (335, 27564), (402, 27669), (422, 27720), (426, 27732), (427, 27738), (500, 27924), (559, 28122), (562, 28140), (578, 28182), (598, 28227), (602, 28233), (629, 28293), (657, 28404), (716, 28605), (724, 28644), (731, 28680),

Gene: Optimus_35 Start: 27884, Stop: 29882, Start Num: 113
Candidate Starts for Optimus_35:
(Start: 113 @27884 has 31 MA's), (Start: 169 @27974 has 49 MA's), (189, 28022), (202, 28052), (244, 28181), (260, 28211), (278, 28262), (296, 28310), (307, 28346), (319, 28373), (345, 28445), (348, 28454), (356, 28475), (381, 28544), (404, 28583), (405, 28586), (409, 28601), (426, 28640), (440, 28688), (445, 28700), (446, 28706), (470, 28754), (472, 28763), (483, 28784), (487, 28802), (503, 28850), (538, 28952), (559, 29024), (569, 29069), (570, 29081), (571, 29216), (572, 29222), (573, 29246), (574, 29318), (576, 29345), (664, 29594),

Gene: Oregano_20 Start: 17368, Stop: 18948, Start Num: 121
Candidate Starts for Oregano_20:
(53, 17251), (Start: 121 @17368 has 70 MA's), (247, 17626), (260, 17647), (280, 17701), (295, 17740), (314, 17797), (324, 17818), (425, 17989), (430, 18007), (438, 18031), (445, 18052), (474, 18094), (504, 18175), (550, 18265), (577, 18367), (578, 18370), (593, 18424), (631, 18514), (701, 18793), (702, 18802), (711, 18832),

Gene: OrionPax_25 Start: 19491, Stop: 21170, Start Num: 119
Candidate Starts for OrionPax_25:
(Start: 119 @19491 has 132 MA's), (Start: 169 @19575 has 49 MA's), (Start: 203 @19653 has 1 MA's), (231, 19740), (236, 19755), (259, 19803), (273, 19842), (305, 19929), (319, 19962), (333, 19998), (343, 20028), (345, 20034), (370, 20103), (399, 20133), (403, 20145), (404, 20148), (426, 20205), (483, 20337), (484, 20343), (505, 20409), (507, 20415), (513, 20439), (529, 20487), (540, 20511), (543, 20520), (562, 20595), (580, 20646), (585, 20661), (648, 20823), (654, 20850), (663, 20880), (689, 20985), (716, 21063), (723, 21099), (725, 21108), (732, 21141), (738, 21156),

Gene: Oscar_22 Start: 16394, Stop: 18157, Start Num: 80
Candidate Starts for Oscar_22:
(Start: 64 @16358 has 1 MA's), (Start: 77 @16388 has 26 MA's), (Start: 80 @16394 has 43 MA's), (Start: 103 @16421 has 1 MA's), (128, 16448), (185, 16562), (204, 16613), (225, 16676), (268, 16778),

(269, 16784), (298, 16856), (309, 16892), (313, 16901), (330, 16940), (346, 16988), (355, 17006), (382, 17045), (398, 17063), (402, 17075), (404, 17081), (420, 17123), (423, 17129), (431, 17156), (481, 17294), (486, 17312), (491, 17324), (516, 17402), (547, 17474), (551, 17486), (561, 17534), (584, 17609), (617, 17693), (627, 17726), (629, 17732), (636, 17759), (657, 17843), (659, 17849), (671, 17894), (672, 17900), (701, 17993), (725, 18089), (745, 18149),

Gene: Outis_42 Start: 30437, Stop: 32053, Start Num: 109
Candidate Starts for Outis_42:
(Start: 109 @30437 has 43 MA's), (185, 30551), (292, 30818), (316, 30884), (324, 30899), (332, 30923), (333, 30926), (365, 31010), (385, 31040), (391, 31058), (415, 31091), (417, 31100), (425, 31118), (434, 31148), (442, 31172), (480, 31256), (488, 31277), (505, 31325), (531, 31364), (549, 31412), (583, 31538), (593, 31574), (643, 31685), (663, 31760), (714, 31937), (723, 31979), (738, 32036),

Gene: Ovechkin_16 Start: 14836, Stop: 16545, Start Num: 114
Candidate Starts for Ovechkin_16:
(Start: 114 @14836 has 231 MA's), (171, 14923), (Start: 193 @14968 has 2 MA's), (202, 14992), (234, 15097), (236, 15103), (242, 15121), (259, 15151), (299, 15256), (321, 15316), (330, 15337), (333, 15346), (341, 15370), (397, 15496), (402, 15511), (404, 15517), (417, 15553), (418, 15556), (424, 15568), (426, 15574), (440, 15622), (445, 15634), (446, 15640), (481, 15700), (485, 15712), (497, 15748), (500, 15760), (527, 15835), (529, 15844), (538, 15862), (540, 15868), (549, 15898), (578, 16003), (580, 16012), (581, 16015), (592, 16051), (631, 16129), (656, 16228), (663, 16249), (671, 16282), (679, 16312), (686, 16342), (688, 16351), (690, 16357), (698, 16372), (699, 16375), (703, 16399), (714, 16429), (718, 16441), (723, 16471), (732, 16513),

Gene: OwlsT2W_18 Start: 15174, Stop: 16883, Start Num: 114
Candidate Starts for OwlsT2W_18:
(Start: 114 @15174 has 231 MA's), (171, 15261), (Start: 193 @15306 has 2 MA's), (202, 15330), (234, 15435), (236, 15441), (242, 15459), (259, 15489), (299, 15594), (321, 15654), (325, 15663), (329, 15672), (330, 15675), (333, 15684), (341, 15708), (367, 15783), (369, 15786), (397, 15834), (402, 15849), (404, 15855), (417, 15891), (418, 15894), (424, 15906), (426, 15912), (440, 15960), (445, 15972), (446, 15978), (481, 16038), (485, 16050), (497, 16086), (500, 16098), (527, 16173), (529, 16182), (538, 16200), (540, 16206), (549, 16236), (578, 16341), (580, 16350), (581, 16353), (592, 16389), (629, 16455), (631, 16467), (656, 16566), (663, 16587), (671, 16620), (679, 16650), (686, 16680), (688, 16689), (690, 16695), (698, 16710), (699, 16713), (703, 16737), (714, 16767), (718, 16779), (723, 16809), (732, 16851),

Gene: P1201_47 Start: 34468, Stop: 36096, Start Num: 114
Candidate Starts for P1201_47:
(Start: 114 @34468 has 231 MA's), (226, 34690), (259, 34771), (267, 34792), (326, 34936), (379, 35071), (417, 35143), (422, 35152), (452, 35251), (459, 35266), (502, 35359), (563, 35524), (578, 35563), (628, 35668), (637, 35701), (647, 35740), (666, 35812), (678, 35866), (683, 35890), (688, 35899), (710, 35980), (732, 36070),

Gene: P3MA_18 Start: 14293, Stop: 16050, Start Num: 82
Candidate Starts for P3MA_18:
(71, 14269), (Start: 82 @14293 has 156 MA's), (152, 14386), (225, 14575), (268, 14677), (319, 14812), (322, 14818), (330, 14839), (336, 14857), (348, 14893), (364, 14917), (410, 14995), (418, 15013), (427, 15037), (440, 15079), (443, 15085), (444, 15088), (481, 15187), (516, 15298), (544, 15358), (561, 15430), (591, 15529), (593, 15538), (617, 15586), (637, 15655), (657, 15736), (663, 15754), (666, 15766), (671, 15787), (677, 15814), (682, 15835), (689, 15850), (702, 15895), (706, 15907), (711, 15925), (726, 15982),

Gene: PCoral7_19 Start: 16740, Stop: 18389, Start Num: 150
Candidate Starts for PCoral7_19:
(4, 15693), (5, 15738), (7, 15762), (8, 15768), (9, 15876), (11, 15924), (15, 15996), (19, 16071), (23, 16209), (24, 16239), (25, 16245), (29, 16377), (33, 16434), (34, 16443), (Start: 64 @16602 has 1 MA's), (Start: 130 @16704 has 17 MA's), (Start: 150 @16740 has 49 MA's), (199, 16845), (223, 16923), (243, 16983), (253, 16995), (254, 16998), (329, 17196), (334, 17211), (386, 17295), (398, 17307), (401, 17316), (402, 17319), (408, 17340), (426, 17382), (435, 17412), (507, 17595), (513, 17619), (534, 17670), (547, 17703), (562, 17763), (566, 17775), (581, 17817), (586, 17835), (629, 17970), (654, 18069), (659, 18087), (672, 18138), (690, 18198), (692, 18204), (714, 18279),

Gene: PHappiness_16 Start: 14786, Stop: 16495, Start Num: 114
Candidate Starts for PHappiness_16:
(Start: 114 @14786 has 231 MA's), (171, 14873), (Start: 193 @14918 has 2 MA's), (202, 14942), (234, 15047), (236, 15053), (242, 15071), (259, 15101), (299, 15206), (321, 15266), (330, 15287), (333, 15296), (341, 15320), (397, 15446), (402, 15461), (404, 15467), (417, 15503), (418, 15506), (424, 15518), (426, 15524), (440, 15572), (445, 15584), (446, 15590), (481, 15650), (485, 15662), (497, 15698), (500, 15710), (527, 15785), (529, 15794), (538, 15812), (540, 15818), (549, 15848), (578, 15953), (580, 15962), (581, 15965), (592, 16001), (631, 16079), (656, 16178), (663, 16199), (671, 16232), (679, 16262), (686, 16292), (688, 16301), (690, 16307), (698, 16322), (699, 16325), (702, 16346), (703, 16349), (718, 16391), (723, 16421), (732, 16463),

Gene: PMC_16 Start: 14790, Stop: 16499, Start Num: 114
Candidate Starts for PMC_16:
(Start: 114 @14790 has 231 MA's), (171, 14877), (Start: 193 @14922 has 2 MA's), (202, 14946), (219, 15003), (234, 15051), (236, 15057), (242, 15075), (259, 15105), (282, 15159), (299, 15210), (318, 15264), (321, 15270), (325, 15279), (333, 15300), (341, 15324), (354, 15360), (356, 15366), (367, 15399), (369, 15402), (371, 15411), (378, 15426), (381, 15432), (397, 15450), (402, 15465), (404, 15471), (409, 15489), (410, 15492), (417, 15507), (424, 15522), (426, 15528), (440, 15576), (445, 15588), (446, 15594), (481, 15654), (485, 15666), (497, 15702), (500, 15714), (527, 15789), (529, 15798), (538, 15816), (540, 15822), (549, 15852), (578, 15957), (581, 15969), (592, 16005), (631, 16083), (663, 16203), (671, 16236), (679, 16266), (681, 16278), (686, 16296), (687, 16302), (688, 16305), (690, 16311), (698, 16326), (699, 16329), (702, 16350), (703, 16353), (718, 16395), (723, 16425), (732, 16467), (733, 16473),

Gene: Pacc40_16 Start: 14976, Stop: 16685, Start Num: 114
Candidate Starts for Pacc40_16:
(Start: 114 @14976 has 231 MA's), (171, 15063), (Start: 193 @15108 has 2 MA's), (202, 15132), (234, 15237), (236, 15243), (242, 15261), (259, 15291), (299, 15396), (321, 15456), (330, 15477), (333, 15486), (341, 15510), (397, 15636), (402, 15651), (404, 15657), (417, 15693), (418, 15696), (424, 15708), (426, 15714), (440, 15762), (445, 15774), (446, 15780), (481, 15840), (485, 15852), (497, 15888), (500, 15900), (527, 15975), (529, 15984), (538, 16002), (540, 16008), (549, 16038), (578, 16143), (580, 16152), (581, 16155), (592, 16191), (631, 16269), (656, 16368), (663, 16389), (671, 16422), (679, 16452), (686, 16482), (688, 16491), (690, 16497), (698, 16512), (699, 16515), (702, 16536), (703, 16539), (718, 16581), (723, 16611), (732, 16653),

Gene: Pace1224_18 Start: 16851, Stop: 18575, Start Num: 100
Candidate Starts for Pace1224_18:
(Start: 100 @16851 has 3 MA's), (160, 16923), (215, 17058), (240, 17133), (266, 17184), (269, 17199), (284, 17229), (288, 17235), (303, 17289), (348, 17409), (404, 17505), (406, 17514), (423, 17553), (435, 17592), (446, 17628), (458, 17673), (481, 17718), (529, 17859), (551, 17916), (561, 17964), (567, 17991), (580, 18027), (584, 18039), (607, 18081), (627, 18144), (653, 18246), (671, 18312), (721, 18486), (736, 18552),

Gene: PaddyBaddy_25 Start: 19585, Stop: 21180, Start Num: 169
Candidate Starts for PaddyBaddy_25:
(Start: 119 @19501 has 132 MA's), (Start: 169 @19585 has 49 MA's), (Start: 203 @19663 has 1 MA's), (231, 19750), (236, 19765), (259, 19813), (273, 19852), (305, 19939), (319, 19972), (333, 20008), (343, 20038), (345, 20044), (370, 20113), (399, 20143), (403, 20155), (404, 20158), (426, 20215), (483, 20347), (484, 20353), (505, 20419), (507, 20425), (513, 20449), (529, 20497), (540, 20521), (543, 20530), (562, 20605), (580, 20656), (585, 20671), (648, 20833), (654, 20860), (663, 20890), (689, 20995), (716, 21073), (723, 21109), (725, 21118), (732, 21151), (738, 21166),

Gene: Padfoot_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Padfoot_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: Padpat_23 Start: 17148, Stop: 18914, Start Num: 82
Candidate Starts for Padpat_23:
(Start: 82 @17148 has 156 MA's), (Start: 103 @17178 has 1 MA's), (Start: 193 @17337 has 2 MA's), (204, 17370), (215, 17400), (225, 17433), (229, 17445), (268, 17535), (288, 17577), (309, 17649), (313, 17658), (330, 17697), (345, 17742), (355, 17763), (356, 17766), (398, 17820), (404, 17838), (420, 17880), (423, 17886), (431, 17913), (481, 18051), (486, 18069), (500, 18111), (506, 18129), (516, 18159), (529, 18186), (561, 18291), (617, 18450), (628, 18486), (636, 18516), (639, 18525), (657, 18600), (671, 18651), (725, 18846), (733, 18885), (734, 18888), (745, 18906),

Gene: PaintedDog_18 Start: 15935, Stop: 17668, Start Num: 123
Candidate Starts for PaintedDog_18:
(Start: 123 @15935 has 61 MA's), (180, 16034), (184, 16043), (208, 16109), (217, 16133), (235, 16193), (236, 16196), (247, 16223), (318, 16403), (329, 16427), (333, 16439), (341, 16463), (397, 16589), (402, 16604), (418, 16649), (426, 16667), (500, 16853), (522, 16919), (527, 16928), (540, 16961), (580, 17105), (593, 17150), (640, 17252), (642, 17261), (646, 17279), (647, 17282), (686, 17441), (691, 17459), (698, 17495), (701, 17510), (716, 17558), (730, 17627),

Gene: Paito_18 Start: 16782, Stop: 18536, Start Num: 97
Candidate Starts for Paito_18:
(20, 16239), (Start: 77 @16773 has 26 MA's), (Start: 97 @16782 has 61 MA's), (Start: 103 @16788 has 1 MA's), (111, 16794), (160, 16872), (185, 16926), (204, 16977), (215, 17007), (222, 17031), (266, 17133), (281, 17172), (284, 17178), (290, 17193), (303, 17238), (346, 17352), (348, 17358), (386, 17415), (404, 17454), (420, 17496), (423, 17502), (435, 17541), (458, 17622), (481, 17667), (496, 17712), (550, 17862), (551, 17865), (556, 17895), (561, 17913), (567, 17940), (594, 18024), (601, 18033), (607, 18042), (614, 18057), (627, 18105), (630, 18120), (648, 18183), (663, 18240), (672, 18279), (682, 18321), (701, 18372), (725, 18468), (745, 18528),

Gene: Palpatine_24 Start: 19847, Stop: 21442, Start Num: 169
Candidate Starts for Palpatine_24:
(Start: 119 @19763 has 132 MA's), (Start: 169 @19847 has 49 MA's), (Start: 203 @19925 has 1 MA's), (231, 20012), (236, 20027), (259, 20075), (273, 20114), (305, 20201), (319, 20234), (333, 20270), (343, 20300), (345, 20306), (370, 20375), (399, 20405), (403, 20417), (404, 20420), (426, 20477), (483, 20609), (484, 20615), (505, 20681), (507, 20687), (513, 20711), (529, 20759), (540, 20783), (543, 20792), (562, 20867), (580, 20918), (585, 20933), (648, 21095), (654, 21122), (663, 21152), (689, 21257), (716, 21335), (723, 21371), (725, 21380), (732, 21413), (738, 21428),

Gene: Panchino_18 Start: 14966, Stop: 16675, Start Num: 119
Candidate Starts for Panchino_18:
(Start: 119 @14966 has 132 MA's), (139, 14993), (159, 15032), (Start: 193 @15098 has 2 MA's), (197, 15110), (208, 15146), (217, 15170), (225, 15197), (231, 15218), (234, 15227), (236, 15233), (252, 15266), (318, 15440), (321, 15446), (325, 15455), (329, 15464), (333, 15476), (341, 15500), (356, 15542), (367, 15575), (397, 15626), (398, 15629), (402, 15641), (417, 15683), (424, 15698), (426, 15704), (440, 15752), (460, 15806), (481, 15830), (504, 15902), (522, 15956), (527, 15965), (529, 15974), (540, 15998), (548, 16025), (549, 16028), (578, 16133), (580, 16142), (592, 16181), (632, 16262), (647, 16319), (656, 16358), (686, 16472), (698, 16502), (699, 16505), (703, 16529), (716, 16565),

Gene: PantheRoc_19 Start: 17095, Stop: 18693, Start Num: 121
Candidate Starts for PantheRoc_19:
(Start: 121 @17095 has 70 MA's), (247, 17353), (259, 17371), (260, 17374), (280, 17428), (306, 17503), (333, 17572), (336, 17581), (340, 17593), (344, 17605), (357, 17644), (367, 17671), (376, 17680), (378, 17683), (425, 17716), (443, 17773), (474, 17839), (521, 17950), (550, 18010), (577, 18112), (593, 18169), (631, 18259), (692, 18499), (711, 18577),

Gene: Paola_21 Start: 17495, Stop: 19267, Start Num: 87
Candidate Starts for Paola_21:
(Start: 87 @17495 has 18 MA's), (Start: 89 @17501 has 2 MA's), (106, 17525), (135, 17558), (160, 17606), (185, 17660), (204, 17711), (225, 17774), (269, 17882), (309, 17990), (355, 18104), (356, 18107), (384, 18146), (398, 18161), (402, 18173), (404, 18179), (420, 18221), (423, 18227), (435, 18266), (443, 18290), (481, 18392), (501, 18455), (514, 18500), (561, 18635), (591, 18734), (621, 18812), (627, 18836), (629, 18842), (632, 18857), (657, 18953), (659, 18959), (702, 19112), (728, 19217), (729, 19220), (733, 19238),

Gene: Paperbeatsrock_26 Start: 20726, Stop: 22405, Start Num: 119
Candidate Starts for Paperbeatsrock_26:
(Start: 119 @20726 has 132 MA's), (Start: 169 @20810 has 49 MA's), (Start: 203 @20888 has 1 MA's), (231, 20975), (236, 20990), (259, 21038), (273, 21077), (305, 21164), (319, 21197), (333, 21233), (343, 21263), (345, 21269), (370, 21338), (399, 21368), (403, 21380), (404, 21383), (426, 21440), (483, 21572), (484, 21578), (505, 21644), (507, 21650), (513, 21674), (529, 21722), (540, 21746), (543, 21755), (562, 21830), (580, 21881), (585, 21896), (648, 22058), (654, 22085), (663, 22115), (689, 22220), (716, 22298), (723, 22334), (725, 22343), (732, 22376), (738, 22391),

Gene: Parada_22 Start: 17344, Stop: 19050, Start Num: 130
Candidate Starts for Parada_22:
(Start: 73 @17269 has 2 MA's), (Start: 130 @17344 has 17 MA's), (177, 17437), (185, 17452), (187, 17458), (215, 17533), (237, 17605), (286, 17716), (300, 17761), (305, 17779), (309, 17791), (402, 17962), (405, 17971), (406, 17977), (420, 18010), (441, 18073), (453, 18124), (472, 18148), (479, 18172), (504, 18247), (516, 18286), (559, 18418), (593, 18532), (627, 18619), (656, 18733), (659, 18742), (688, 18847), (715, 18934), (745, 19042),

Gene: Parmesanjohn_18 Start: 14989, Stop: 16698, Start Num: 119
Candidate Starts for Parmesanjohn_18:
(Start: 119 @14989 has 132 MA's), (139, 15016), (Start: 193 @15121 has 2 MA's), (197, 15133), (208, 15169), (225, 15220), (234, 15250), (236, 15256), (247, 15283), (252, 15289), (299, 15409), (318, 15463), (321, 15469), (329, 15487), (333, 15499), (334, 15502), (341, 15523), (356, 15565), (367, 15598), (397, 15649), (402, 15664), (417, 15706), (424, 15721), (426, 15727), (440, 15775), (447, 15799), (460, 15829), (481, 15853), (500, 15913), (504, 15925), (522, 15979), (527, 15988), (548, 16048), (549, 16051), (578, 16156), (580, 16165), (592, 16204), (647, 16342), (685, 16492), (686,

16495), (688, 16504), (698, 16525), (703, 16552), (716, 16588), (738, 16681),

Gene: Pat3_23 Start: 18472, Stop: 20151, Start Num: 119
Candidate Starts for Pat3_23:
(Start: 119 @18472 has 132 MA's), (Start: 169 @18556 has 49 MA's), (Start: 203 @18634 has 1 MA's), (231, 18721), (236, 18736), (259, 18784), (273, 18823), (305, 18910), (319, 18943), (333, 18979), (343, 19009), (345, 19015), (370, 19084), (399, 19114), (403, 19126), (404, 19129), (426, 19186), (483, 19318), (484, 19324), (505, 19390), (507, 19396), (513, 19420), (529, 19468), (540, 19492), (543, 19501), (562, 19576), (580, 19627), (585, 19642), (648, 19804), (654, 19831), (663, 19861), (689, 19966), (716, 20044), (723, 20080), (725, 20089), (732, 20122), (738, 20137),

Gene: Patio_44 Start: 30694, Stop: 32316, Start Num: 109
Candidate Starts for Patio_44:
(Start: 109 @30694 has 43 MA's), (185, 30811), (212, 30889), (280, 31051), (287, 31063), (292, 31078), (316, 31144), (324, 31159), (365, 31270), (385, 31300), (387, 31303), (417, 31360), (434, 31408), (442, 31432), (488, 31537), (531, 31624), (549, 31672), (583, 31798), (584, 31801), (593, 31834), (620, 31861), (629, 31891), (663, 32020), (672, 32059), (703, 32164), (721, 32227), (723, 32239), (726, 32251), (727, 32260), (738, 32296),

Gene: PatoPoderoso_16 Start: 14843, Stop: 16552, Start Num: 114
Candidate Starts for PatoPoderoso_16:
(Start: 114 @14843 has 231 MA's), (171, 14930), (Start: 193 @14975 has 2 MA's), (202, 14999), (234, 15104), (236, 15110), (242, 15128), (259, 15158), (299, 15263), (321, 15323), (330, 15344), (333, 15353), (339, 15371), (341, 15377), (397, 15503), (402, 15518), (404, 15524), (417, 15560), (418, 15563), (424, 15575), (426, 15581), (440, 15629), (445, 15641), (446, 15647), (481, 15707), (485, 15719), (497, 15755), (500, 15767), (527, 15842), (529, 15851), (538, 15869), (540, 15875), (549, 15905), (578, 16010), (580, 16019), (581, 16022), (592, 16058), (631, 16136), (656, 16235), (663, 16256), (671, 16289), (679, 16319), (686, 16349), (688, 16358), (690, 16364), (698, 16379), (699, 16382), (703, 16406), (714, 16436), (718, 16448), (723, 16478), (732, 16520),

Gene: Patt_24 Start: 18364, Stop: 20151, Start Num: 82
Candidate Starts for Patt_24:
(Start: 64 @18325 has 1 MA's), (Start: 77 @18355 has 26 MA's), (Start: 80 @18361 has 43 MA's), (Start: 82 @18364 has 156 MA's), (135, 18421), (160, 18469), (177, 18508), (185, 18523), (Start: 193 @18541 has 2 MA's), (204, 18574), (215, 18604), (229, 18649), (236, 18667), (268, 18739), (269, 18745), (284, 18775), (286, 18778), (305, 18841), (309, 18853), (369, 18988), (402, 19036), (404, 19042), (409, 19060), (423, 19090), (435, 19129), (481, 19255), (500, 19315), (501, 19318), (512, 19351), (561, 19519), (578, 19573), (591, 19618), (609, 19663), (617, 19687), (627, 19720), (636, 19753), (639, 19762), (654, 19825), (657, 19837), (671, 19888), (672, 19894), (702, 19996), (733, 20122), (745, 20143),

Gene: Peanam_23 Start: 16514, Stop: 18280, Start Num: 82
Candidate Starts for Peanam_23:
(Start: 77 @16505 has 26 MA's), (Start: 82 @16514 has 156 MA's), (Start: 87 @16520 has 18 MA's), (Start: 103 @16544 has 1 MA's), (135, 16583), (177, 16670), (185, 16685), (Start: 193 @16703 has 2 MA's), (204, 16736), (215, 16766), (268, 16901), (284, 16937), (309, 17015), (313, 17024), (355, 17129), (356, 17132), (384, 17171), (402, 17198), (404, 17204), (420, 17246), (423, 17252), (431, 17279), (481, 17417), (486, 17435), (516, 17525), (529, 17552), (544, 17585), (561, 17657), (578, 17711), (588, 17747), (595, 17771), (617, 17816), (627, 17849), (630, 17864), (636, 17882), (639, 17891), (657, 17966), (671, 18017), (672, 18023), (702, 18125), (733, 18251), (734, 18254), (745, 18272),

Gene: PeanutPie_19 Start: 16392, Stop: 18128, Start Num: 107

Candidate Starts for PeanutPie_19:
(Start: 90 @16368 has 2 MA's), (Start: 107 @16392 has 54 MA's), (148, 16452), (159, 16473), (161, 16476), (211, 16596), (225, 16635), (235, 16668), (244, 16692), (294, 16812), (305, 16851), (307, 16857), (339, 16941), (341, 16947), (345, 16959), (354, 16983), (362, 17010), (370, 17028), (396, 17067), (397, 17073), (405, 17097), (426, 17151), (429, 17163), (432, 17172), (450, 17232), (487, 17310), (500, 17349), (511, 17382), (529, 17448), (537, 17463), (540, 17472), (547, 17496), (555, 17526), (559, 17538), (590, 17640), (593, 17652), (594, 17655), (596, 17661), (616, 17670), (646, 17778), (667, 17862), (693, 17961), (725, 18069), (738, 18117),

Gene: Peeb_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Peeb_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (160, 16739), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Peel_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Peel_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: Pemberton_44 Start: 27883, Stop: 29499, Start Num: 109
Candidate Starts for Pemberton_44:
(Start: 109 @27883 has 43 MA's), (Start: 118 @27892 has 1 MA's), (Start: 121 @27895 has 70 MA's), (Start: 141 @27919 has 1 MA's), (185, 27997), (259, 28180), (280, 28237), (287, 28249), (292, 28264), (316, 28330), (324, 28345), (332, 28369), (365, 28456), (368, 28462), (385, 28486), (417, 28546), (428, 28576), (435, 28597), (480, 28702), (488, 28723), (531, 28810), (549, 28858), (583, 28984), (593, 29020), (656, 29185), (662, 29203), (671, 29239), (721, 29413), (723, 29425), (738, 29482),

Gene: Pepperoni_17 Start: 15014, Stop: 16723, Start Num: 123
Candidate Starts for Pepperoni_17:
(51, 14879), (Start: 123 @15014 has 61 MA's), (210, 15203), (211, 15206), (236, 15281), (264, 15335), (292, 15404), (324, 15494), (326, 15497), (376, 15629), (395, 15683), (424, 15764), (443, 15824), (445, 15830), (490, 15911), (531, 15989), (539, 16007), (551, 16046), (567, 16118), (568, 16121), (577, 16142), (654, 16376), (658, 16391), (669, 16433), (691, 16526), (692, 16529), (702, 16577), (711, 16607),

Gene: Peridot_17 Start: 14615, Stop: 16324, Start Num: 114
Candidate Starts for Peridot_17:
(Start: 114 @14615 has 231 MA's), (171, 14702), (Start: 193 @14747 has 2 MA's), (202, 14771), (234, 14876), (236, 14882), (242, 14900), (259, 14930), (299, 15035), (321, 15095), (330, 15116), (333, 15125), (341, 15149), (397, 15275), (402, 15290), (404, 15296), (417, 15332), (418, 15335), (424, 15347), (426, 15353), (440, 15401), (445, 15413), (446, 15419), (481, 15479), (485, 15491), (497, 15527), (500, 15539), (527, 15614), (529, 15623), (538, 15641), (540, 15647), (549, 15677), (578, 15782), (580, 15791), (581, 15794), (592, 15830), (631, 15908), (656, 16007), (663, 16028), (671, 16061), (679, 16091), (686, 16121), (688, 16130), (690, 16136), (698, 16151), (699, 16154), (703, 16178), (714, 16208), (718, 16220), (723, 16250), (732, 16292),

Gene: Periodt_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Periodt_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: PeteyPab_33 Start: 29327, Stop: 30925, Start Num: 117
Candidate Starts for PeteyPab_33:
(Start: 117 @29327 has 8 MA's), (187, 29426), (212, 29495), (226, 29534), (278, 29669), (301, 29729), (368, 29882), (379, 29894), (383, 29903), (385, 29906), (411, 29951), (417, 29966), (422, 29975), (425, 29984), (442, 30038), (447, 30056), (476, 30110), (559, 30326), (587, 30419), (637, 30527), (650, 30581), (670, 30656), (704, 30785), (737, 30911),

Gene: Petra_21 Start: 17051, Stop: 18697, Start Num: 150
Candidate Starts for Petra_21:
(Start: 130 @17015 has 17 MA's), (Start: 150 @17051 has 49 MA's), (199, 17153), (223, 17231), (253, 17303), (264, 17330), (278, 17369), (300, 17429), (306, 17450), (329, 17504), (334, 17519), (345, 17552), (377, 17600), (386, 17603), (426, 17690), (435, 17720), (507, 17903), (513, 17927), (547, 18011), (562, 18071), (566, 18083), (586, 18143), (629, 18278), (654, 18377), (659, 18395), (672, 18446), (690, 18506), (692, 18512), (709, 18575), (714, 18587),

Gene: Petra64142_26 Start: 20290, Stop: 21885, Start Num: 169
Candidate Starts for Petra64142_26:
(Start: 119 @20206 has 132 MA's), (Start: 169 @20290 has 49 MA's), (Start: 203 @20368 has 1 MA's), (231, 20455), (236, 20470), (259, 20518), (273, 20557), (305, 20644), (319, 20677), (333, 20713), (343, 20743), (345, 20749), (370, 20818), (399, 20848), (403, 20860), (404, 20863), (426, 20920), (483, 21052), (484, 21058), (505, 21124), (507, 21130), (513, 21154), (529, 21202), (540, 21226), (543, 21235), (562, 21310), (580, 21361), (585, 21376), (648, 21538), (654, 21565), (663, 21595), (689, 21700), (716, 21778), (723, 21814), (725, 21823), (732, 21856), (738, 21871),

Gene: Phaja_24 Start: 20006, Stop: 21601, Start Num: 169
Candidate Starts for Phaja_24:
(Start: 119 @19922 has 132 MA's), (Start: 169 @20006 has 49 MA's), (Start: 203 @20084 has 1 MA's), (231, 20171), (236, 20186), (259, 20234), (273, 20273), (305, 20360), (319, 20393), (333, 20429), (343, 20459), (345, 20465), (370, 20534), (399, 20564), (403, 20576), (404, 20579), (426, 20636), (483, 20768), (484, 20774), (505, 20840), (507, 20846), (513, 20870), (529, 20918), (540, 20942), (543, 20951), (562, 21026), (580, 21077), (585, 21092), (648, 21254), (654, 21281), (663, 21311), (689, 21416), (716, 21494), (723, 21530), (725, 21539), (732, 21572), (738, 21587),

Gene: Phalconet_16 Start: 14857, Stop: 16566, Start Num: 114
Candidate Starts for Phalconet_16:
(Start: 114 @14857 has 231 MA's), (171, 14944), (Start: 193 @14989 has 2 MA's), (202, 15013), (234, 15118), (236, 15124), (242, 15142), (259, 15172), (299, 15277), (321, 15337), (330, 15358), (333, 15367), (341, 15391), (397, 15517), (402, 15532), (404, 15538), (417, 15574), (418, 15577), (424, 15589), (426, 15595), (440, 15643), (445, 15655), (446, 15661), (481, 15721), (485, 15733), (497, 15769), (500, 15781), (527, 15856), (529, 15865), (538, 15883), (540, 15889), (549, 15919), (578, 16024), (580, 16033), (581, 16036), (592, 16072), (631, 16150), (656, 16249), (663, 16270), (671, 16303), (686, 16363), (688, 16372), (690, 16378), (698, 16393), (699, 16396), (703, 16420), (714, 16450), (718, 16462), (723, 16492), (732, 16534),

Gene: Phalm_19 Start: 16273, Stop: 18009, Start Num: 107
Candidate Starts for Phalm_19:
(Start: 90 @16249 has 2 MA's), (Start: 107 @16273 has 54 MA's), (148, 16333), (159, 16354), (161, 16357), (211, 16477), (225, 16516), (235, 16549), (244, 16573), (294, 16693), (305, 16732), (307, 16738), (339, 16822), (341, 16828), (345, 16840), (354, 16864), (362, 16891), (370, 16909), (396, 16948), (397, 16954), (405, 16978), (426, 17032), (429, 17044), (432, 17053), (450, 17113), (487, 17191), (500, 17230), (511, 17263), (529, 17329), (540, 17353), (547, 17377), (555, 17407), (590, 17521), (593, 17533), (596, 17542), (616, 17551), (646, 17659), (667, 17743), (693, 17842), (725, 17950), (738, 17998),

Gene: PhancyPhin_18 Start: 14990, Stop: 16699, Start Num: 119
Candidate Starts for PhancyPhin_18:
(Start: 119 @14990 has 132 MA's), (139, 15017), (159, 15056), (Start: 193 @15122 has 2 MA's), (197, 15134), (208, 15170), (217, 15194), (225, 15221), (231, 15242), (234, 15251), (236, 15257), (252, 15290), (318, 15464), (321, 15470), (325, 15479), (329, 15488), (333, 15500), (341, 15524), (356, 15566), (367, 15599), (397, 15650), (398, 15653), (402, 15665), (417, 15707), (424, 15722), (426, 15728), (440, 15776), (460, 15830), (481, 15854), (504, 15926), (522, 15980), (527, 15989), (529, 15998), (540, 16022), (548, 16049), (549, 16052), (578, 16157), (580, 16166), (592, 16205), (632, 16286), (647, 16343), (656, 16382), (686, 16496), (698, 16526), (699, 16529), (703, 16553), (716, 16589),

Gene: Phanphagia_16 Start: 14859, Stop: 16568, Start Num: 114
Candidate Starts for Phanphagia_16:
(Start: 114 @14859 has 231 MA's), (171, 14946), (Start: 193 @14991 has 2 MA's), (202, 15015), (234, 15120), (236, 15126), (242, 15144), (259, 15174), (299, 15279), (321, 15339), (330, 15360), (333, 15369), (341, 15393), (367, 15468), (369, 15471), (397, 15519), (402, 15534), (404, 15540), (417, 15576), (418, 15579), (424, 15591), (426, 15597), (440, 15645), (445, 15657), (446, 15663), (481, 15723), (485, 15735), (497, 15771), (500, 15783), (527, 15858), (529, 15867), (538, 15885), (540, 15891), (549, 15921), (578, 16026), (580, 16035), (581, 16038), (592, 16074), (631, 16152), (656, 16251), (663, 16272), (671, 16305), (679, 16335), (686, 16365), (688, 16374), (690, 16380), (698, 16395), (699, 16398), (703, 16422), (714, 16452), (718, 16464), (723, 16494), (732, 16536),

Gene: PhaoMing_17 Start: 15617, Stop: 17380, Start Num: 70
Candidate Starts for PhaoMing_17:
(66, 15608), (70, 15617), (135, 15704), (154, 15740), (178, 15791), (191, 15815), (194, 15821), (213, 15881), (219, 15896), (246, 15971), (250, 15977), (277, 16046), (290, 16076), (298, 16103), (300, 16109), (308, 16139), (315, 16157), (328, 16184), (331, 16193), (336, 16208), (338, 16214), (348, 16244), (396, 16286), (402, 16307), (404, 16313), (407, 16325), (432, 16391), (440, 16418), (442, 16421), (493, 16547), (512, 16607), (524, 16643), (550, 16703), (551, 16706), (554, 16724), (555, 16733), (575, 16799), (623, 16922), (630, 16955), (635, 16970), (638, 16979), (649, 17027), (657, 17057), (672, 17114), (673, 17117), (675, 17126), (685, 17168), (698, 17213), (700, 17219), (704, 17243), (706, 17249), (713, 17270), (725, 17324), (730, 17348), (734, 17366), (741, 17375),

Gene: Pharb_22 Start: 17427, Stop: 19190, Start Num: 82
Candidate Starts for Pharb_22:
(Start: 77 @17418 has 26 MA's), (Start: 80 @17424 has 43 MA's), (Start: 82 @17427 has 156 MA's), (Start: 97 @17439 has 61 MA's), (158, 17529), (185, 17586), (204, 17637), (215, 17667), (222, 17691), (313, 17931), (319, 17943), (356, 18039), (398, 18093), (404, 18111), (423, 18159), (435, 18198), (446, 18234), (500, 18384), (501, 18387), (511, 18417), (535, 18474), (561, 18567), (578, 18621), (593, 18675), (613, 18705), (617, 18723), (630, 18771), (638, 18795), (645, 18822), (659, 18879), (671, 18924), (701, 19026), (725, 19122), (729, 19143), (733, 19161), (736, 19167), (745, 19182),

Gene: Pharsalus_25 Start: 20526, Stop: 22205, Start Num: 119
Candidate Starts for Pharsalus_25:
(Start: 119 @20526 has 132 MA's), (Start: 169 @20610 has 49 MA's), (Start: 203 @20688 has 1 MA's), (231, 20775), (236, 20790), (259, 20838), (273, 20877), (305, 20964), (319, 20997), (333, 21033), (343, 21063), (345, 21069), (370, 21138), (399, 21168), (403, 21180), (404, 21183), (426, 21240), (483, 21372), (484, 21378), (505, 21444), (507, 21450), (513, 21474), (529, 21522), (540, 21546), (543, 21555), (562, 21630), (580, 21681), (585, 21696), (648, 21858), (654, 21885), (663, 21915), (689, 22020), (716, 22098), (723, 22134), (725, 22143), (732, 22176), (738, 22191),

Gene: Phasih_17 Start: 15342, Stop: 17051, Start Num: 114
Candidate Starts for Phasih_17:
(Start: 114 @15342 has 231 MA's), (171, 15429), (Start: 193 @15474 has 2 MA's), (202, 15498), (234, 15603), (236, 15609), (242, 15627), (259, 15657), (299, 15762), (318, 15816), (321, 15822), (325, 15831), (330, 15843), (333, 15852), (341, 15876), (354, 15912), (356, 15918), (359, 15930), (367, 15951), (369, 15954), (371, 15963), (378, 15978), (381, 15984), (397, 16002), (402, 16017), (404, 16023), (409, 16041), (410, 16044), (417, 16059), (424, 16074), (426, 16080), (435, 16110), (440, 16128), (445, 16140), (446, 16146), (481, 16206), (485, 16218), (497, 16254), (500, 16266), (507, 16287), (527, 16341), (529, 16350), (540, 16374), (549, 16404), (578, 16509), (581, 16521), (592, 16557), (622, 16596), (631, 16635), (656, 16734), (663, 16755), (671, 16788), (679, 16818), (686, 16848), (688, 16857), (690, 16863), (698, 16878), (699, 16881), (702, 16902), (703, 16905), (718, 16947), (723, 16977), (732, 17019), (733, 17025),

Gene: PhatBacter_24 Start: 19774, Stop: 21453, Start Num: 119
Candidate Starts for PhatBacter_24:
(Start: 119 @19774 has 132 MA's), (Start: 169 @19858 has 49 MA's), (Start: 203 @19936 has 1 MA's), (231, 20023), (236, 20038), (259, 20086), (273, 20125), (305, 20212), (319, 20245), (333, 20281), (343, 20311), (345, 20317), (370, 20386), (399, 20416), (403, 20428), (404, 20431), (426, 20488), (483, 20620), (484, 20626), (505, 20692), (507, 20698), (513, 20722), (529, 20770), (540, 20794), (543, 20803), (562, 20878), (580, 20929), (585, 20944), (648, 21106), (654, 21133), (663, 21163), (689, 21268), (716, 21346), (723, 21382), (725, 21391), (732, 21424), (738, 21439),

Gene: Phatniss_17 Start: 15310, Stop: 17019, Start Num: 114
Candidate Starts for Phatniss_17:
(Start: 114 @15310 has 231 MA's), (171, 15397), (Start: 193 @15442 has 2 MA's), (202, 15466), (219, 15523), (234, 15571), (236, 15577), (242, 15595), (259, 15625), (299, 15730), (318, 15784), (321, 15790), (325, 15799), (330, 15811), (333, 15820), (341, 15844), (354, 15880), (356, 15886), (359, 15898), (367, 15919), (369, 15922), (371, 15931), (378, 15946), (381, 15952), (397, 15970), (402, 15985), (404, 15991), (409, 16009), (410, 16012), (417, 16027), (424, 16042), (426, 16048), (435, 16078), (440, 16096), (445, 16108), (446, 16114), (481, 16174), (485, 16186), (497, 16222), (500, 16234), (507, 16255), (527, 16309), (529, 16318), (540, 16342), (549, 16372), (578, 16477), (581, 16489), (592, 16525), (622, 16564), (631, 16603), (656, 16702), (663, 16723), (671, 16756), (679, 16786), (686, 16816), (688, 16825), (690, 16831), (698, 16846), (699, 16849), (702, 16870), (703, 16873), (718, 16915), (723, 16945), (732, 16987), (733, 16993),

Gene: Phauci_26 Start: 25726, Stop: 27351, Start Num: 123
Candidate Starts for Phauci_26:
(Start: 123 @25726 has 61 MA's), (132, 25738), (151, 25771), (157, 25780), (164, 25792), (177, 25822), (221, 25939), (225, 25951), (262, 26026), (290, 26086), (299, 26116), (405, 26323), (416, 26353), (432, 26398), (450, 26458), (481, 26506), (504, 26578), (513, 26611), (514, 26614), (532, 26653), (546, 26692), (566, 26779), (567, 26782), (602, 26860), (628, 26920), (640, 26965), (659, 27046), (673, 27100), (701, 27196), (732, 27325), (738, 27340),

Gene: Phaux_23 Start: 19772, Stop: 21451, Start Num: 119

Candidate Starts for Phaux_23:
(Start: 119 @19772 has 132 MA's), (Start: 169 @19856 has 49 MA's), (Start: 203 @19934 has 1 MA's), (231, 20021), (236, 20036), (259, 20084), (273, 20123), (305, 20210), (319, 20243), (333, 20279), (343, 20309), (345, 20315), (370, 20384), (399, 20414), (403, 20426), (404, 20429), (426, 20486), (483, 20618), (484, 20624), (505, 20690), (507, 20696), (513, 20720), (529, 20768), (540, 20792), (543, 20801), (562, 20876), (580, 20927), (585, 20942), (648, 21104), (654, 21131), (663, 21161), (689, 21266), (716, 21344), (723, 21380), (725, 21389), (732, 21422), (738, 21437),

Gene: Phayonce_18 Start: 16079, Stop: 17815, Start Num: 107
Candidate Starts for Phayonce_18:
(Start: 107 @16079 has 54 MA's), (159, 16160), (161, 16163), (187, 16214), (188, 16217), (Start: 193 @16226 has 2 MA's), (211, 16283), (225, 16322), (231, 16343), (235, 16355), (242, 16376), (244, 16379), (247, 16385), (294, 16499), (305, 16538), (307, 16544), (349, 16658), (367, 16709), (370, 16715), (396, 16754), (397, 16760), (405, 16784), (426, 16838), (429, 16850), (432, 16859), (450, 16919), (487, 16997), (500, 17036), (529, 17135), (540, 17159), (547, 17183), (555, 17213), (590, 17327), (593, 17339), (596, 17348), (616, 17357), (646, 17465), (685, 17618), (693, 17648), (732, 17789), (738, 17804),

Gene: Phegasus_19 Start: 16391, Stop: 18127, Start Num: 107
Candidate Starts for Phegasus_19:
(Start: 107 @16391 has 54 MA's), (159, 16472), (161, 16475), (187, 16526), (Start: 209 @16589 has 11 MA's), (211, 16595), (225, 16634), (235, 16667), (244, 16691), (294, 16811), (298, 16826), (305, 16850), (307, 16856), (339, 16940), (354, 16982), (367, 17021), (370, 17027), (396, 17066), (397, 17072), (405, 17096), (426, 17150), (432, 17171), (450, 17231), (487, 17309), (500, 17348), (511, 17381), (529, 17447), (540, 17471), (547, 17495), (555, 17525), (559, 17537), (590, 17639), (593, 17651), (594, 17654), (596, 17660), (616, 17669), (646, 17777), (667, 17861), (693, 17960), (714, 18017), (725, 18068), (738, 18116),

Gene: PhelpsODU_22 Start: 16372, Stop: 18138, Start Num: 82
Candidate Starts for PhelpsODU_22:
(Start: 77 @16363 has 26 MA's), (Start: 82 @16372 has 156 MA's), (Start: 103 @16402 has 1 MA's), (185, 16543), (Start: 193 @16561 has 2 MA's), (204, 16594), (215, 16624), (229, 16669), (268, 16759), (284, 16795), (313, 16882), (348, 16975), (355, 16987), (356, 16990), (369, 17008), (384, 17029), (398, 17044), (402, 17056), (404, 17062), (420, 17104), (423, 17110), (486, 17293), (506, 17353), (542, 17437), (547, 17455), (561, 17515), (584, 17590), (591, 17614), (617, 17674), (627, 17707), (628, 17710), (632, 17728), (639, 17749), (657, 17824), (671, 17875), (677, 17902), (701, 17974), (716, 18025), (733, 18109), (734, 18112), (745, 18130),

Gene: Phendrix_87 Start: 52198, Stop: 53814, Start Num: 126
Candidate Starts for Phendrix_87:
(Start: 126 @52198 has 11 MA's), (132, 52204), (177, 52288), (205, 52357), (216, 52387), (217, 52390), (226, 52420), (240, 52459), (315, 52630), (327, 52654), (333, 52672), (339, 52690), (349, 52720), (403, 52786), (404, 52789), (416, 52822), (436, 52879), (440, 52894), (442, 52897), (443, 52900), (478, 52972), (485, 52987), (490, 53002), (497, 53023), (501, 53038), (552, 53182), (555, 53203), (559, 53218), (583, 53296), (598, 53323), (602, 53329), (628, 53389), (640, 53434), (654, 53491), (656, 53500), (663, 53521), (672, 53560), (688, 53614), (701, 53659), (702, 53668),

Gene: PhesterPhotato_16 Start: 14827, Stop: 16536, Start Num: 114
Candidate Starts for PhesterPhotato_16:
(Start: 114 @14827 has 231 MA's), (171, 14914), (Start: 193 @14959 has 2 MA's), (202, 14983), (234, 15088), (236, 15094), (242, 15112), (259, 15142), (299, 15247), (321, 15307), (330, 15328), (333, 15337), (341, 15361), (397, 15487), (402, 15502), (404, 15508), (417, 15544), (418, 15547), (424, 15559), (426, 15565), (440, 15613), (445, 15625), (446, 15631), (481, 15691), (485, 15703), (497,

15739), (500, 15751), (527, 15826), (529, 15835), (538, 15853), (540, 15859), (549, 15889), (578, 15994), (580, 16003), (581, 16006), (592, 16042), (631, 16120), (656, 16219), (663, 16240), (671, 16273), (679, 16303), (686, 16333), (688, 16342), (690, 16348), (698, 16363), (699, 16366), (703, 16390), (714, 16420), (718, 16432), (723, 16462), (732, 16504),

Gene: Philonius_18 Start: 14989, Stop: 16698, Start Num: 119
Candidate Starts for Philonius_18:
(Start: 119 @14989 has 132 MA's), (139, 15016), (Start: 193 @15121 has 2 MA's), (197, 15133), (208, 15169), (225, 15220), (234, 15250), (236, 15256), (247, 15283), (252, 15289), (299, 15409), (318, 15463), (321, 15469), (329, 15487), (333, 15499), (334, 15502), (341, 15523), (356, 15565), (367, 15598), (397, 15649), (402, 15664), (417, 15706), (424, 15721), (426, 15727), (440, 15775), (447, 15799), (460, 15829), (481, 15853), (500, 15913), (504, 15925), (522, 15979), (527, 15988), (548, 16048), (549, 16051), (578, 16156), (580, 16165), (592, 16204), (647, 16342), (685, 16492), (686, 16495), (688, 16504), (698, 16525), (703, 16552), (716, 16588), (738, 16681),

Gene: Philus_16 Start: 14812, Stop: 16521, Start Num: 114
Candidate Starts for Philus_16:
(Start: 114 @14812 has 231 MA's), (171, 14899), (Start: 193 @14944 has 2 MA's), (202, 14968), (219, 15025), (234, 15073), (236, 15079), (242, 15097), (259, 15127), (299, 15232), (318, 15286), (321, 15292), (325, 15301), (333, 15322), (341, 15346), (354, 15382), (356, 15388), (367, 15421), (369, 15424), (371, 15433), (378, 15448), (381, 15454), (397, 15472), (402, 15487), (404, 15493), (409, 15511), (410, 15514), (417, 15529), (424, 15544), (426, 15550), (440, 15598), (445, 15610), (446, 15616), (481, 15676), (485, 15688), (497, 15724), (500, 15736), (527, 15811), (529, 15820), (538, 15838), (540, 15844), (549, 15874), (578, 15979), (581, 15991), (592, 16027), (631, 16105), (663, 16225), (671, 16258), (679, 16288), (681, 16300), (686, 16318), (687, 16324), (688, 16327), (690, 16333), (698, 16348), (699, 16351), (702, 16372), (703, 16375), (718, 16417), (723, 16447), (732, 16489), (733, 16495),

Gene: Phinally_33 Start: 29134, Stop: 30759, Start Num: 123
Candidate Starts for Phinally_33:
(Start: 81 @29077 has 1 MA's), (Start: 123 @29134 has 61 MA's), (132, 29146), (151, 29179), (157, 29188), (164, 29200), (177, 29230), (Start: 193 @29263 has 2 MA's), (221, 29347), (225, 29359), (262, 29434), (290, 29494), (299, 29524), (405, 29731), (416, 29761), (431, 29803), (432, 29806), (450, 29866), (481, 29914), (504, 29986), (513, 30019), (514, 30022), (532, 30061), (546, 30100), (566, 30187), (567, 30190), (602, 30268), (628, 30328), (640, 30373), (659, 30454), (673, 30508), (701, 30604), (732, 30733), (738, 30748),

Gene: Phineas_19 Start: 16382, Stop: 18118, Start Num: 107
Candidate Starts for Phineas_19:
(Start: 90 @16358 has 2 MA's), (Start: 107 @16382 has 54 MA's), (148, 16442), (159, 16463), (161, 16466), (211, 16586), (225, 16625), (235, 16658), (244, 16682), (294, 16802), (305, 16841), (307, 16847), (339, 16931), (341, 16937), (345, 16949), (354, 16973), (362, 17000), (370, 17018), (396, 17057), (397, 17063), (405, 17087), (426, 17141), (429, 17153), (432, 17162), (450, 17222), (487, 17300), (500, 17339), (511, 17372), (529, 17438), (537, 17453), (540, 17462), (547, 17486), (555, 17516), (559, 17528), (590, 17630), (593, 17642), (594, 17645), (596, 17651), (616, 17660), (646, 17768), (667, 17852), (693, 17951), (725, 18059), (738, 18107),

Gene: PhinkBoden_48 Start: 29995, Stop: 31686, Start Num: 104
Candidate Starts for PhinkBoden_48:
(Start: 104 @29995 has 17 MA's), (146, 30055), (165, 30088), (179, 30121), (225, 30247), (236, 30280), (239, 30289), (300, 30418), (317, 30466), (426, 30679), (427, 30685), (435, 30709), (490, 30838), (497, 30859), (507, 30892), (562, 31090), (629, 31243), (654, 31342), (657, 31354), (660, 31363), (681, 31447), (724, 31594), (731, 31630), (734, 31642),

Gene: Phish_18 Start: 16640, Stop: 18403, Start Num: 77
Candidate Starts for Phish_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Phishy_22 Start: 18770, Stop: 20428, Start Num: 109
Candidate Starts for Phishy_22:
(39, 18581), (49, 18641), (85, 18734), (Start: 109 @18770 has 43 MA's), (Start: 121 @18782 has 70 MA's), (185, 18896), (187, 18902), (214, 18980), (232, 19046), (234, 19052), (288, 19163), (291, 19172), (298, 19199), (301, 19208), (307, 19229), (402, 19400), (403, 19403), (427, 19469), (432, 19484), (462, 19568), (473, 19577), (490, 19619), (497, 19640), (512, 19688), (514, 19700), (527, 19727), (551, 19796), (565, 19865), (578, 19898), (605, 19955), (628, 20006), (646, 20075), (668, 20162), (672, 20177), (689, 20234), (692, 20243), (715, 20321), (717, 20327),

Gene: PhlipPhlop_16 Start: 14759, Stop: 16468, Start Num: 114
Candidate Starts for PhlipPhlop_16:
(Start: 114 @14759 has 231 MA's), (171, 14846), (Start: 193 @14891 has 2 MA's), (202, 14915), (234, 15020), (236, 15026), (242, 15044), (259, 15074), (299, 15179), (321, 15239), (329, 15257), (330, 15260), (333, 15269), (341, 15293), (397, 15419), (402, 15434), (404, 15440), (417, 15476), (418, 15479), (424, 15491), (426, 15497), (440, 15545), (445, 15557), (446, 15563), (481, 15623), (485, 15635), (497, 15671), (500, 15683), (527, 15758), (529, 15767), (538, 15785), (540, 15791), (549, 15821), (578, 15926), (581, 15938), (592, 15974), (631, 16052), (663, 16172), (671, 16205), (679, 16235), (681, 16247), (686, 16265), (687, 16271), (688, 16274), (690, 16280), (698, 16295), (699, 16298), (702, 16319), (703, 16322), (718, 16364), (723, 16394), (732, 16436), (733, 16442),

Gene: Phloodle_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Phloodle_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Phloss_18 Start: 14989, Stop: 16698, Start Num: 119
Candidate Starts for Phloss_18:
(Start: 119 @14989 has 132 MA's), (139, 15016), (Start: 193 @15121 has 2 MA's), (197, 15133), (208, 15169), (225, 15220), (234, 15250), (236, 15256), (247, 15283), (252, 15289), (299, 15409), (318, 15463), (321, 15469), (329, 15487), (333, 15499), (334, 15502), (341, 15523), (356, 15565), (367, 15598), (397, 15649), (402, 15664), (417, 15706), (424, 15721), (426, 15727), (440, 15775), (447, 15799), (460, 15829), (481, 15853), (500, 15913), (504, 15925), (522, 15979), (527, 15988), (548, 16048), (549, 16051), (578, 16156), (580, 16165), (592, 16204), (647, 16342), (685, 16492), (686, 16495), (688, 16504), (698, 16525), (703, 16552), (716, 16588), (738, 16681),

Gene: Phoebus_36 Start: 27621, Stop: 29619, Start Num: 113
Candidate Starts for Phoebus_36:
(Start: 113 @27621 has 31 MA's), (Start: 169 @27711 has 49 MA's), (189, 27759), (202, 27789), (244, 27918), (260, 27948), (296, 28047), (307, 28083), (319, 28110), (345, 28182), (348, 28191), (356,

28212), (381, 28281), (404, 28320), (405, 28323), (409, 28338), (426, 28377), (440, 28425), (445, 28437), (446, 28443), (470, 28491), (472, 28500), (483, 28521), (487, 28539), (503, 28587), (538, 28689), (559, 28761), (569, 28806), (570, 28818), (571, 28953), (572, 28959), (573, 28983), (574, 29055), (576, 29082), (664, 29331),

Gene: Phomeo_40 Start: 30475, Stop: 32088, Start Num: 109
Candidate Starts for Phomeo_40:
(Start: 109 @30475 has 43 MA's), (Start: 141 @30511 has 1 MA's), (152, 30529), (185, 30589), (280, 30829), (287, 30841), (292, 30856), (316, 30922), (324, 30937), (332, 30961), (333, 30964), (365, 31048), (385, 31078), (387, 31081), (417, 31138), (434, 31186), (435, 31189), (442, 31210), (488, 31315), (504, 31360), (531, 31402), (583, 31576), (592, 31606), (593, 31612), (642, 31720), (643, 31723), (663, 31798), (723, 32017), (738, 32074),

Gene: PhorbesPhlower_18 Start: 15153, Stop: 16865, Start Num: 110
Candidate Starts for PhorbesPhlower_18:
(Start: 110 @15153 has 31 MA's), (Start: 122 @15165 has 1 MA's), (145, 15207), (196, 15309), (219, 15381), (250, 15462), (269, 15513), (285, 15546), (298, 15588), (300, 15594), (315, 15642), (336, 15693), (348, 15729), (396, 15771), (402, 15792), (404, 15798), (412, 15822), (431, 15873), (432, 15876), (442, 15906), (555, 16218), (575, 16284), (584, 16314), (623, 16407), (628, 16428), (630, 16440), (632, 16446), (634, 16452), (636, 16458), (649, 16512), (657, 16542), (675, 16611), (698, 16698), (700, 16704), (704, 16728), (713, 16755),

Gene: Phrank_22 Start: 16326, Stop: 18092, Start Num: 82
Candidate Starts for Phrank_22:
(Start: 77 @16317 has 26 MA's), (Start: 82 @16326 has 156 MA's), (Start: 103 @16356 has 1 MA's), (177, 16482), (185, 16497), (Start: 193 @16515 has 2 MA's), (204, 16548), (215, 16578), (229, 16623), (268, 16713), (284, 16749), (309, 16827), (313, 16836), (345, 16920), (348, 16929), (355, 16941), (356, 16944), (384, 16983), (398, 16998), (404, 17016), (420, 17058), (423, 17064), (486, 17247), (506, 17307), (542, 17391), (547, 17409), (561, 17469), (584, 17544), (591, 17568), (617, 17628), (627, 17661), (628, 17664), (632, 17682), (639, 17703), (657, 17778), (671, 17829), (672, 17835), (677, 17856), (701, 17928), (716, 17979), (733, 18063), (734, 18066), (745, 18084),

Gene: Phrann_18 Start: 14993, Stop: 16702, Start Num: 119
Candidate Starts for Phrann_18:
(Start: 119 @14993 has 132 MA's), (139, 15020), (159, 15059), (Start: 193 @15125 has 2 MA's), (197, 15137), (208, 15173), (217, 15197), (225, 15224), (231, 15245), (234, 15254), (236, 15260), (252, 15293), (318, 15467), (321, 15473), (325, 15482), (329, 15491), (333, 15503), (341, 15527), (356, 15569), (367, 15602), (397, 15653), (398, 15656), (402, 15668), (417, 15710), (424, 15725), (426, 15731), (440, 15779), (460, 15833), (481, 15857), (504, 15929), (522, 15983), (527, 15992), (529, 16001), (540, 16025), (548, 16052), (549, 16055), (578, 16160), (580, 16169), (592, 16208), (632, 16289), (647, 16346), (656, 16385), (686, 16499), (698, 16529), (699, 16532), (703, 16556), (716, 16592),

Gene: Phreak_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Phreak_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: PhriskyACE_19 Start: 16822, Stop: 18402, Start Num: 121

Candidate Starts for PhriskyACE_19:
(10, 16045), (18, 16201), (26, 16396), (27, 16432), (28, 16435), (30, 16519), (31, 16525), (41, 16651), (53, 16705), (Start: 121 @16822 has 70 MA's), (216, 16993), (247, 17080), (259, 17098), (260, 17101), (280, 17155), (295, 17194), (314, 17251), (324, 17272), (425, 17443), (430, 17461), (438, 17485), (445, 17506), (474, 17548), (504, 17629), (550, 17719), (577, 17821), (593, 17878), (631, 17968), (701, 18247), (702, 18256), (711, 18286),

Gene: PhrostedPhlake_20 Start: 17026, Stop: 18672, Start Num: 150
Candidate Starts for PhrostedPhlake_20:
(Start: 130 @16990 has 17 MA's), (Start: 150 @17026 has 49 MA's), (199, 17128), (210, 17164), (223, 17206), (243, 17266), (264, 17305), (278, 17344), (295, 17389), (300, 17404), (306, 17425), (329, 17479), (334, 17494), (426, 17665), (435, 17695), (507, 17878), (513, 17902), (562, 18046), (566, 18058), (586, 18118), (628, 18250), (629, 18253), (654, 18352), (659, 18370), (672, 18421), (690, 18481), (692, 18487), (709, 18550), (714, 18562),

Gene: Phrux_24 Start: 19487, Stop: 21166, Start Num: 119
Candidate Starts for Phrux_24:
(Start: 119 @19487 has 132 MA's), (Start: 169 @19571 has 49 MA's), (Start: 203 @19649 has 1 MA's), (231, 19736), (236, 19751), (259, 19799), (273, 19838), (305, 19925), (319, 19958), (333, 19994), (343, 20024), (345, 20030), (370, 20099), (399, 20129), (403, 20141), (404, 20144), (426, 20201), (483, 20333), (484, 20339), (505, 20405), (507, 20411), (513, 20435), (529, 20483), (540, 20507), (543, 20516), (562, 20591), (580, 20642), (585, 20657), (648, 20819), (654, 20846), (663, 20876), (689, 20981), (716, 21059), (723, 21095), (725, 21104), (732, 21137), (738, 21152),

Gene: Piatt_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Piatt_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: Pickett_17 Start: 14682, Stop: 16391, Start Num: 123
Candidate Starts for Pickett_17:
(51, 14547), (Start: 123 @14682 has 61 MA's), (186, 14799), (210, 14871), (211, 14874), (224, 14910), (236, 14949), (247, 14970), (292, 15072), (324, 15162), (326, 15165), (376, 15297), (395, 15351), (410, 15402), (424, 15432), (443, 15492), (446, 15504), (474, 15540), (490, 15579), (504, 15621), (531, 15657), (539, 15675), (544, 15690), (551, 15714), (567, 15786), (577, 15810), (622, 15918), (654, 16044), (658, 16059), (669, 16101), (691, 16194), (692, 16197), (702, 16245), (711, 16275), (718, 16293), (719, 16305), (727, 16344),

Gene: Pimento_23 Start: 17041, Stop: 18747, Start Num: 130
Candidate Starts for Pimento_23:
(Start: 73 @16966 has 2 MA's), (Start: 130 @17041 has 17 MA's), (177, 17134), (185, 17149), (187, 17155), (215, 17230), (226, 17266), (237, 17302), (286, 17413), (300, 17458), (305, 17476), (309, 17488), (402, 17659), (405, 17668), (406, 17674), (420, 17707), (441, 17770), (453, 17821), (472, 17845), (479, 17869), (504, 17944), (516, 17983), (559, 18115), (593, 18229), (627, 18316), (656, 18430), (659, 18439), (688, 18544), (715, 18631), (745, 18739),

Gene: PinkYoshi_18 Start: 16631, Stop: 18394, Start Num: 77
Candidate Starts for PinkYoshi_18:

(Start: 77 @16631 has 26 MA's), (Start: 97 @16640 has 61 MA's), (Start: 103 @16646 has 1 MA's), (111, 16652), (185, 16784), (204, 16835), (215, 16865), (222, 16889), (266, 16991), (281, 17030), (284, 17036), (290, 17051), (303, 17096), (348, 17216), (386, 17273), (404, 17312), (423, 17360), (431, 17387), (435, 17399), (458, 17480), (481, 17525), (551, 17723), (556, 17753), (561, 17771), (567, 17798), (594, 17882), (607, 17900), (614, 17915), (627, 17963), (630, 17978), (648, 18041), (663, 18098), (672, 18137), (682, 18179), (701, 18230), (725, 18326), (745, 18386),

Gene: Pinnie_19 Start: 17358, Stop: 19082, Start Num: 97
Candidate Starts for Pinnie_19:
(Start: 97 @17358 has 61 MA's), (179, 17478), (204, 17541), (212, 17568), (215, 17571), (266, 17697), (269, 17712), (281, 17736), (284, 17742), (288, 17748), (303, 17802), (348, 17922), (404, 18018), (406, 18027), (420, 18060), (423, 18066), (435, 18105), (481, 18231), (501, 18294), (551, 18423), (561, 18471), (567, 18498), (580, 18534), (594, 18582), (607, 18588), (635, 18681), (663, 18786), (681, 18861), (725, 19014), (734, 19056), (736, 19059),

Gene: Piper2020_17 Start: 14677, Stop: 16386, Start Num: 114
Candidate Starts for Piper2020_17:
(Start: 114 @14677 has 231 MA's), (171, 14764), (Start: 193 @14809 has 2 MA's), (202, 14833), (234, 14938), (236, 14944), (242, 14962), (259, 14992), (299, 15097), (321, 15157), (325, 15166), (329, 15175), (330, 15178), (333, 15187), (341, 15211), (367, 15286), (371, 15298), (378, 15313), (381, 15319), (397, 15337), (402, 15352), (404, 15358), (409, 15376), (410, 15379), (417, 15394), (424, 15409), (426, 15415), (440, 15463), (445, 15475), (446, 15481), (481, 15541), (485, 15553), (497, 15589), (500, 15601), (507, 15622), (527, 15676), (529, 15685), (538, 15703), (540, 15709), (549, 15739), (578, 15844), (581, 15856), (592, 15892), (631, 15970), (656, 16069), (671, 16123), (679, 16153), (681, 16165), (686, 16183), (687, 16189), (688, 16192), (690, 16198), (698, 16213), (699, 16216), (702, 16237), (703, 16240), (714, 16270), (718, 16282), (732, 16354),

Gene: Pipp_19 Start: 16644, Stop: 18290, Start Num: 150
Candidate Starts for Pipp_19:
(Start: 130 @16608 has 17 MA's), (Start: 150 @16644 has 49 MA's), (199, 16746), (223, 16824), (264, 16923), (278, 16962), (306, 17043), (329, 17097), (334, 17112), (398, 17208), (426, 17283), (435, 17313), (507, 17496), (513, 17520), (534, 17571), (562, 17664), (566, 17676), (582, 17721), (586, 17736), (628, 17868), (629, 17871), (654, 17970), (659, 17988), (672, 18039), (690, 18099), (692, 18105), (709, 18168), (714, 18180),

Gene: Pippy_16 Start: 14798, Stop: 16507, Start Num: 114
Candidate Starts for Pippy_16:
(Start: 114 @14798 has 231 MA's), (171, 14885), (Start: 193 @14930 has 2 MA's), (202, 14954), (234, 15059), (236, 15065), (242, 15083), (259, 15113), (299, 15218), (321, 15278), (330, 15299), (333, 15308), (341, 15332), (397, 15458), (402, 15473), (404, 15479), (417, 15515), (418, 15518), (424, 15530), (426, 15536), (440, 15584), (445, 15596), (446, 15602), (481, 15662), (485, 15674), (497, 15710), (500, 15722), (527, 15797), (529, 15806), (538, 15824), (540, 15830), (549, 15860), (578, 15965), (580, 15974), (581, 15977), (592, 16013), (631, 16091), (656, 16190), (663, 16211), (671, 16244), (679, 16274), (686, 16304), (688, 16313), (690, 16319), (698, 16334), (699, 16337), (703, 16361), (714, 16391), (718, 16403), (723, 16433), (732, 16475),

Gene: Pipsqueaks_18 Start: 14989, Stop: 16698, Start Num: 119
Candidate Starts for Pipsqueaks_18:
(Start: 119 @14989 has 132 MA's), (139, 15016), (Start: 193 @15121 has 2 MA's), (197, 15133), (208, 15169), (225, 15220), (234, 15250), (236, 15256), (247, 15283), (252, 15289), (299, 15409), (318, 15463), (321, 15469), (329, 15487), (333, 15499), (334, 15502), (341, 15523), (356, 15565), (367, 15598), (397, 15649), (402, 15664), (417, 15706), (424, 15721), (426, 15727), (440, 15775), (447, 15799), (460, 15829), (481, 15853), (500, 15913), (504, 15925), (522, 15979), (527, 15988), (548,

16048), (549, 16051), (578, 16156), (580, 16165), (592, 16204), (647, 16342), (685, 16492), (686, 16495), (688, 16504), (698, 16525), (703, 16552), (716, 16588), (738, 16681),

Gene: Pisa1_22 Start: 17226, Stop: 18992, Start Num: 82
Candidate Starts for Pisa1_22:
(Start: 82 @17226 has 156 MA's), (Start: 103 @17256 has 1 MA's), (Start: 193 @17415 has 2 MA's), (204, 17448), (215, 17478), (225, 17511), (229, 17523), (268, 17613), (288, 17655), (309, 17727), (313, 17736), (330, 17775), (345, 17820), (356, 17844), (404, 17916), (420, 17958), (423, 17964), (431, 17991), (481, 18129), (486, 18147), (500, 18189), (506, 18207), (516, 18237), (529, 18264), (561, 18369), (628, 18564), (636, 18594), (639, 18603), (657, 18678), (671, 18729), (701, 18828), (716, 18879), (725, 18924), (733, 18963), (734, 18966), (745, 18984),

Gene: Pisa4_22 Start: 17226, Stop: 18992, Start Num: 82
Candidate Starts for Pisa4_22:
(Start: 82 @17226 has 156 MA's), (Start: 103 @17256 has 1 MA's), (Start: 193 @17415 has 2 MA's), (204, 17448), (215, 17478), (225, 17511), (229, 17523), (268, 17613), (288, 17655), (309, 17727), (313, 17736), (330, 17775), (345, 17820), (356, 17844), (404, 17916), (420, 17958), (423, 17964), (431, 17991), (481, 18129), (486, 18147), (500, 18189), (506, 18207), (516, 18237), (529, 18264), (561, 18369), (628, 18564), (636, 18594), (639, 18603), (657, 18678), (671, 18729), (701, 18828), (716, 18879), (725, 18924), (733, 18963), (734, 18966), (745, 18984),

Gene: Pixie_22 Start: 17358, Stop: 19121, Start Num: 82
Candidate Starts for Pixie_22:
(Start: 77 @17349 has 26 MA's), (Start: 82 @17358 has 156 MA's), (158, 17460), (185, 17517), (204, 17568), (215, 17598), (222, 17622), (309, 17853), (313, 17862), (319, 17874), (355, 17967), (356, 17970), (404, 18042), (406, 18051), (420, 18084), (423, 18090), (435, 18129), (446, 18165), (481, 18255), (501, 18318), (535, 18405), (561, 18498), (584, 18573), (617, 18654), (630, 18702), (638, 18726), (645, 18753), (659, 18810), (671, 18855), (701, 18957), (708, 18984), (723, 19044), (725, 19053), (729, 19074), (733, 19092), (736, 19098), (745, 19113),

Gene: Plagueis_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Plagueis_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Pleakley_50 Start: 30683, Stop: 32302, Start Num: 109
Candidate Starts for Pleakley_50:
(Start: 109 @30683 has 43 MA's), (Start: 123 @30698 has 61 MA's), (152, 30737), (185, 30797), (216, 30881), (292, 31064), (316, 31130), (324, 31145), (337, 31181), (365, 31256), (385, 31286), (387, 31289), (392, 31307), (417, 31346), (428, 31376), (508, 31580), (531, 31610), (549, 31658), (550, 31661), (583, 31784), (593, 31820), (663, 32006), (706, 32159), (721, 32213), (723, 32225), (726, 32237), (738, 32282),

Gene: Plumbus_17 Start: 14635, Stop: 16344, Start Num: 114
Candidate Starts for Plumbus_17:
(Start: 114 @14635 has 231 MA's), (171, 14722), (Start: 193 @14767 has 2 MA's), (202, 14791), (207, 14812), (234, 14896), (236, 14902), (242, 14920), (259, 14950), (299, 15055), (321, 15115), (330, 15136), (333, 15145), (341, 15169), (397, 15295), (402, 15310), (404, 15316), (417, 15352), (418, 15355), (424, 15367), (426, 15373), (440, 15421), (445, 15433), (446, 15439), (481, 15499), (485,

15511), (497, 15547), (500, 15559), (527, 15634), (529, 15643), (538, 15661), (540, 15667), (549, 15697), (578, 15802), (580, 15811), (581, 15814), (592, 15850), (631, 15928), (656, 16027), (663, 16048), (671, 16081), (679, 16111), (686, 16141), (688, 16150), (690, 16156), (698, 16171), (699, 16174), (703, 16198), (714, 16228), (718, 16240), (723, 16270), (732, 16312),

Gene: Poenanya_16 Start: 14940, Stop: 16649, Start Num: 114
Candidate Starts for Poenanya_16:
(Start: 114 @14940 has 231 MA's), (171, 15027), (Start: 193 @15072 has 2 MA's), (202, 15096), (234, 15201), (236, 15207), (242, 15225), (259, 15255), (299, 15360), (321, 15420), (330, 15441), (333, 15450), (341, 15474), (367, 15549), (397, 15600), (402, 15615), (404, 15621), (417, 15657), (418, 15660), (424, 15672), (426, 15678), (440, 15726), (445, 15738), (446, 15744), (481, 15804), (485, 15816), (497, 15852), (500, 15864), (527, 15939), (529, 15948), (538, 15966), (540, 15972), (549, 16002), (578, 16107), (581, 16119), (592, 16155), (631, 16233), (656, 16332), (663, 16353), (671, 16386), (679, 16416), (686, 16446), (687, 16452), (688, 16455), (690, 16461), (698, 16476), (699, 16479), (702, 16500), (703, 16503), (718, 16545), (732, 16617), (733, 16623),

Gene: Pokerus_22 Start: 17105, Stop: 18871, Start Num: 82
Candidate Starts for Pokerus_22:
(Start: 82 @17105 has 156 MA's), (Start: 103 @17135 has 1 MA's), (Start: 193 @17294 has 2 MA's), (204, 17327), (215, 17357), (225, 17390), (268, 17492), (288, 17534), (309, 17606), (313, 17615), (330, 17654), (345, 17699), (355, 17720), (356, 17723), (398, 17777), (404, 17795), (420, 17837), (423, 17843), (431, 17870), (481, 18008), (486, 18026), (500, 18068), (506, 18086), (516, 18116), (529, 18143), (561, 18248), (617, 18407), (628, 18443), (636, 18473), (639, 18482), (657, 18557), (671, 18608), (725, 18803), (733, 18842), (734, 18845), (745, 18863),

Gene: Policronamos_24 Start: 19858, Stop: 21453, Start Num: 169
Candidate Starts for Policronamos_24:
(Start: 119 @19774 has 132 MA's), (Start: 169 @19858 has 49 MA's), (Start: 203 @19936 has 1 MA's), (231, 20023), (236, 20038), (259, 20086), (273, 20125), (305, 20212), (319, 20245), (333, 20281), (343, 20311), (345, 20317), (370, 20386), (399, 20416), (403, 20428), (404, 20431), (426, 20488), (483, 20620), (484, 20626), (505, 20692), (507, 20698), (513, 20722), (529, 20770), (540, 20794), (543, 20803), (562, 20878), (580, 20929), (585, 20944), (648, 21106), (654, 21133), (663, 21163), (689, 21268), (716, 21346), (723, 21382), (725, 21391), (732, 21424), (738, 21439),

Gene: Polka14_17 Start: 15348, Stop: 17057, Start Num: 114
Candidate Starts for Polka14_17:
(Start: 114 @15348 has 231 MA's), (171, 15435), (Start: 193 @15480 has 2 MA's), (202, 15504), (234, 15609), (236, 15615), (242, 15633), (259, 15663), (299, 15768), (321, 15828), (330, 15849), (333, 15858), (341, 15882), (397, 16008), (402, 16023), (404, 16029), (417, 16065), (418, 16068), (424, 16080), (426, 16086), (440, 16134), (445, 16146), (446, 16152), (481, 16212), (485, 16224), (497, 16260), (500, 16272), (507, 16293), (527, 16347), (529, 16356), (538, 16374), (540, 16380), (549, 16410), (578, 16515), (581, 16527), (592, 16563), (622, 16602), (631, 16641), (656, 16740), (663, 16761), (671, 16794), (679, 16824), (686, 16854), (687, 16860), (688, 16863), (690, 16869), (698, 16884), (699, 16887), (702, 16908), (703, 16911), (718, 16953), (723, 16983), (732, 17025),

Gene: Polkaroo_19 Start: 16401, Stop: 18137, Start Num: 107
Candidate Starts for Polkaroo_19:
(Start: 90 @16377 has 2 MA's), (Start: 107 @16401 has 54 MA's), (148, 16461), (159, 16482), (161, 16485), (211, 16605), (225, 16644), (235, 16677), (244, 16701), (294, 16821), (305, 16860), (307, 16866), (339, 16950), (341, 16956), (345, 16968), (354, 16992), (362, 17019), (370, 17037), (396, 17076), (397, 17082), (405, 17106), (426, 17160), (429, 17172), (432, 17181), (450, 17241), (487, 17319), (500, 17358), (511, 17391), (529, 17457), (537, 17472), (540, 17481), (547, 17505), (555, 17535), (559, 17547), (590, 17649), (593, 17661), (594, 17664), (596, 17670), (616, 17679), (646,

17787), (667, 17871), (693, 17970), (732, 18111), (738, 18126),

Gene: Pollux_20 Start: 17566, Stop: 19272, Start Num: 110
Candidate Starts for Pollux_20:
(Start: 91 @17542 has 1 MA's), (Start: 110 @17566 has 31 MA's), (175, 17671), (195, 17713), (219, 17788), (264, 17902), (315, 18049), (319, 18055), (336, 18100), (416, 18238), (442, 18313), (550, 18595), (554, 18616), (575, 18691), (612, 18778), (623, 18814), (630, 18847), (632, 18853), (649, 18919), (657, 18949), (698, 19105), (700, 19111), (702, 19129), (730, 19240),

Gene: Polly_19 Start: 17773, Stop: 19371, Start Num: 121
Candidate Starts for Polly_19:
(Start: 121 @17773 has 70 MA's), (240, 18022), (247, 18031), (259, 18049), (260, 18052), (280, 18106), (306, 18181), (333, 18250), (336, 18259), (340, 18271), (357, 18322), (367, 18349), (376, 18358), (378, 18361), (424, 18391), (425, 18394), (443, 18451), (474, 18517), (503, 18595), (521, 18628), (539, 18652), (550, 18688), (577, 18790), (593, 18847), (619, 18892), (622, 18898), (631, 18937), (692, 19177), (711, 19255),

Gene: Polyyuki_45 Start: 31365, Stop: 32939, Start Num: 121
Candidate Starts for Polyyuki_45:
(Start: 121 @31365 has 70 MA's), (129, 31374), (162, 31428), (183, 31452), (185, 31455), (293, 31725), (316, 31788), (324, 31803), (379, 31920), (387, 31935), (417, 31992), (422, 32001), (435, 32043), (442, 32064), (450, 32094), (482, 32151), (508, 32226), (553, 32322), (583, 32427), (584, 32430), (592, 32457), (632, 32535), (643, 32574), (682, 32730), (704, 32796),

Gene: PopTart_16 Start: 14854, Stop: 16563, Start Num: 114
Candidate Starts for PopTart_16:
(Start: 114 @14854 has 231 MA's), (171, 14941), (Start: 193 @14986 has 2 MA's), (202, 15010), (234, 15115), (236, 15121), (242, 15139), (259, 15169), (299, 15274), (321, 15334), (325, 15343), (329, 15352), (330, 15355), (333, 15364), (341, 15388), (397, 15514), (402, 15529), (404, 15535), (417, 15571), (418, 15574), (424, 15586), (426, 15592), (440, 15640), (445, 15652), (446, 15658), (481, 15718), (485, 15730), (497, 15766), (500, 15778), (527, 15853), (529, 15862), (538, 15880), (540, 15886), (549, 15916), (578, 16021), (580, 16030), (581, 16033), (592, 16069), (631, 16147), (656, 16246), (663, 16267), (671, 16300), (679, 16330), (686, 16360), (688, 16369), (690, 16375), (698, 16390), (699, 16393), (703, 16417), (714, 16447), (718, 16459), (723, 16489), (732, 16531),

Gene: Porcelain_33 Start: 24890, Stop: 26623, Start Num: 113
Candidate Starts for Porcelain_33:
(Start: 113 @24890 has 31 MA's), (Start: 169 @24980 has 49 MA's), (171, 24983), (202, 25058), (Start: 209 @25085 has 11 MA's), (231, 25151), (244, 25187), (260, 25217), (266, 25232), (296, 25316), (307, 25352), (319, 25379), (334, 25418), (345, 25451), (348, 25460), (369, 25517), (386, 25559), (422, 25634), (426, 25646), (445, 25706), (470, 25760), (483, 25790), (487, 25808), (491, 25817), (501, 25850), (505, 25862), (507, 25868), (520, 25907), (540, 25964), (585, 26114), (590, 26132), (621, 26174), (627, 26198), (628, 26201), (631, 26216), (640, 26246), (648, 26276), (663, 26333), (705, 26483), (734, 26603), (738, 26609),

Gene: Porky_24 Start: 19667, Stop: 21262, Start Num: 169
Candidate Starts for Porky_24:
(Start: 119 @19583 has 132 MA's), (Start: 169 @19667 has 49 MA's), (Start: 203 @19745 has 1 MA's), (231, 19832), (236, 19847), (259, 19895), (273, 19934), (305, 20021), (319, 20054), (333, 20090), (343, 20120), (345, 20126), (370, 20195), (399, 20225), (403, 20237), (404, 20240), (426, 20297), (483, 20429), (484, 20435), (505, 20501), (507, 20507), (513, 20531), (529, 20579), (540, 20603), (543, 20612), (562, 20687), (580, 20738), (585, 20753), (648, 20915), (654, 20942), (663, 20972), (689, 21077), (716, 21155), (723, 21191), (725, 21200), (732, 21233), (738, 21248),

Gene: Posh_20 Start: 17530, Stop: 19236, Start Num: 110
Candidate Starts for Posh_20:
(Start: 91 @17506 has 1 MA's), (Start: 110 @17530 has 31 MA's), (175, 17635), (195, 17677), (219, 17752), (264, 17866), (315, 18013), (319, 18019), (336, 18064), (416, 18202), (442, 18277), (550, 18559), (554, 18580), (575, 18655), (612, 18742), (623, 18778), (630, 18811), (632, 18817), (649, 18883), (657, 18913), (698, 19069), (700, 19075), (702, 19093), (730, 19204),

Gene: PotatoChip_34 Start: 29329, Stop: 30927, Start Num: 117
Candidate Starts for PotatoChip_34:
(Start: 117 @29329 has 8 MA's), (187, 29428), (212, 29497), (226, 29536), (278, 29671), (301, 29731), (368, 29884), (379, 29896), (383, 29905), (385, 29908), (411, 29953), (417, 29968), (422, 29977), (425, 29986), (442, 30040), (447, 30058), (476, 30112), (559, 30328), (587, 30421), (637, 30529), (650, 30583), (670, 30658), (704, 30787), (737, 30913),

Gene: Powerball_19 Start: 16819, Stop: 18399, Start Num: 121
Candidate Starts for Powerball_19:
(Start: 121 @16819 has 70 MA's), (247, 17077), (260, 17098), (280, 17152), (289, 17170), (295, 17191), (314, 17248), (324, 17269), (425, 17440), (430, 17458), (438, 17482), (445, 17503), (474, 17545), (504, 17626), (550, 17716), (577, 17818), (578, 17821), (593, 17875), (701, 18244), (702, 18253), (704, 18259), (711, 18283), (716, 18295),

Gene: Primanti_18 Start: 16640, Stop: 18403, Start Num: 77
Candidate Starts for Primanti_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: PrincePatrick_19 Start: 16814, Stop: 18463, Start Num: 150
Candidate Starts for PrincePatrick_19:
(23, 16283), (24, 16313), (25, 16319), (29, 16451), (33, 16508), (34, 16517), (Start: 64 @16676 has 1 MA's), (Start: 130 @16778 has 17 MA's), (Start: 150 @16814 has 49 MA's), (199, 16919), (223, 16997), (243, 17057), (253, 17069), (254, 17072), (329, 17270), (334, 17285), (339, 17300), (386, 17369), (398, 17381), (401, 17390), (402, 17393), (408, 17414), (426, 17456), (435, 17486), (507, 17669), (513, 17693), (534, 17744), (562, 17837), (566, 17849), (581, 17891), (586, 17909), (629, 18044), (654, 18143), (659, 18161), (672, 18212), (690, 18272), (692, 18278), (714, 18353),

Gene: Priscilla_16 Start: 14816, Stop: 16525, Start Num: 114
Candidate Starts for Priscilla_16:
(Start: 114 @14816 has 231 MA's), (171, 14903), (Start: 193 @14948 has 2 MA's), (202, 14972), (234, 15077), (236, 15083), (242, 15101), (259, 15131), (299, 15236), (321, 15296), (330, 15317), (333, 15326), (341, 15350), (367, 15425), (369, 15428), (397, 15476), (402, 15491), (404, 15497), (417, 15533), (418, 15536), (424, 15548), (426, 15554), (440, 15602), (445, 15614), (446, 15620), (481, 15680), (485, 15692), (497, 15728), (500, 15740), (527, 15815), (529, 15824), (538, 15842), (540, 15848), (549, 15878), (578, 15983), (581, 15995), (592, 16031), (631, 16109), (663, 16229), (671, 16262), (679, 16292), (686, 16322), (688, 16331), (690, 16337), (698, 16352), (699, 16355), (703, 16379), (714, 16409), (718, 16421), (723, 16451), (732, 16493),

Gene: Prithvi_23 Start: 17122, Stop: 18888, Start Num: 82
Candidate Starts for Prithvi_23:

(Start: 82 @17122 has 156 MA's), (Start: 103 @17152 has 1 MA's), (Start: 193 @17311 has 2 MA's), (204, 17344), (215, 17374), (225, 17407), (229, 17419), (268, 17509), (288, 17551), (306, 17614), (309, 17623), (313, 17632), (330, 17671), (345, 17716), (355, 17737), (356, 17740), (404, 17812), (420, 17854), (423, 17860), (431, 17887), (481, 18025), (486, 18043), (500, 18085), (506, 18103), (516, 18133), (529, 18160), (561, 18265), (617, 18424), (628, 18460), (636, 18490), (639, 18499), (657, 18574), (671, 18625), (725, 18820), (733, 18859), (734, 18862), (745, 18880),

Gene: Ptowny_24 Start: 19212, Stop: 20807, Start Num: 169
Candidate Starts for Ptowny_24:
(Start: 119 @19128 has 132 MA's), (Start: 169 @19212 has 49 MA's), (Start: 203 @19290 has 1 MA's), (231, 19377), (236, 19392), (259, 19440), (273, 19479), (305, 19566), (319, 19599), (333, 19635), (343, 19665), (345, 19671), (370, 19740), (399, 19770), (403, 19782), (404, 19785), (426, 19842), (483, 19974), (484, 19980), (505, 20046), (507, 20052), (513, 20076), (529, 20124), (540, 20148), (543, 20157), (562, 20232), (580, 20283), (585, 20298), (648, 20460), (654, 20487), (663, 20517), (689, 20622), (716, 20700), (723, 20736), (725, 20745), (732, 20778), (738, 20793),

Gene: Pumpkin_26 Start: 19910, Stop: 21505, Start Num: 169
Candidate Starts for Pumpkin_26:
(Start: 119 @19826 has 132 MA's), (Start: 169 @19910 has 49 MA's), (Start: 203 @19988 has 1 MA's), (231, 20075), (236, 20090), (259, 20138), (273, 20177), (305, 20264), (319, 20297), (333, 20333), (343, 20363), (345, 20369), (370, 20438), (399, 20468), (403, 20480), (404, 20483), (426, 20540), (483, 20672), (484, 20678), (505, 20744), (507, 20750), (513, 20774), (529, 20822), (540, 20846), (543, 20855), (562, 20930), (580, 20981), (585, 20996), (648, 21158), (654, 21185), (663, 21215), (689, 21320), (716, 21398), (723, 21434), (725, 21443), (732, 21476), (738, 21491),

Gene: Pumpkiney_36 Start: 28077, Stop: 29699, Start Num: 123
Candidate Starts for Pumpkiney_36:
(Start: 123 @28077 has 61 MA's), (140, 28098), (145, 28110), (175, 28161), (202, 28224), (225, 28296), (268, 28383), (290, 28434), (299, 28464), (330, 28545), (405, 28671), (416, 28701), (431, 28743), (432, 28746), (450, 28806), (481, 28854), (484, 28863), (514, 28962), (532, 29001), (538, 29013), (567, 29130), (581, 29169), (602, 29208), (627, 29265), (629, 29271), (638, 29304), (640, 29313), (652, 29370), (655, 29382), (668, 29430), (671, 29439), (672, 29445), (677, 29466), (688, 29499), (701, 29544), (732, 29673), (734, 29682),

Gene: Puppers_18 Start: 15139, Stop: 16755, Start Num: 110
Candidate Starts for Puppers_18:
(Start: 110 @15139 has 31 MA's), (174, 15235), (236, 15403), (270, 15466), (317, 15589), (375, 15706), (420, 15784), (445, 15859), (453, 15892), (498, 15985), (504, 16006), (547, 16123), (559, 16165), (562, 16183), (566, 16195), (567, 16198), (618, 16303), (621, 16309), (625, 16324), (640, 16381), (701, 16600), (726, 16699),

Gene: Purgamenstris_18 Start: 14993, Stop: 16702, Start Num: 119
Candidate Starts for Purgamenstris_18:
(Start: 119 @14993 has 132 MA's), (139, 15020), (159, 15059), (Start: 193 @15125 has 2 MA's), (197, 15137), (208, 15173), (217, 15197), (225, 15224), (231, 15245), (234, 15254), (236, 15260), (252, 15293), (318, 15467), (321, 15473), (325, 15482), (329, 15491), (333, 15503), (341, 15527), (356, 15569), (367, 15602), (397, 15653), (398, 15656), (402, 15668), (417, 15710), (424, 15725), (426, 15731), (440, 15779), (460, 15833), (481, 15857), (504, 15929), (522, 15983), (527, 15992), (529, 16001), (540, 16025), (548, 16052), (549, 16055), (578, 16160), (580, 16169), (592, 16208), (632, 16289), (647, 16346), (656, 16385), (686, 16499), (698, 16529), (699, 16532), (703, 16556), (716, 16592),

Gene: Purky_18 Start: 15971, Stop: 17707, Start Num: 107

Candidate Starts for Purky_18:
(Start: 107 @15971 has 54 MA's), (161, 16055), (187, 16106), (188, 16109), (211, 16175), (219, 16196), (225, 16214), (235, 16247), (244, 16271), (291, 16379), (294, 16391), (305, 16430), (307, 16436), (319, 16466), (329, 16490), (348, 16547), (349, 16550), (370, 16607), (396, 16646), (397, 16652), (405, 16676), (426, 16730), (432, 16751), (450, 16811), (487, 16889), (511, 16961), (529, 17027), (540, 17051), (547, 17075), (555, 17105), (559, 17117), (590, 17219), (593, 17231), (646, 17357), (667, 17441), (671, 17453), (685, 17510), (738, 17696),

Gene: Pygmy_18 Start: 16108, Stop: 17844, Start Num: 107
Candidate Starts for Pygmy_18:
(Start: 90 @16084 has 2 MA's), (Start: 107 @16108 has 54 MA's), (148, 16168), (159, 16189), (161, 16192), (211, 16312), (225, 16351), (235, 16384), (244, 16408), (294, 16528), (305, 16567), (307, 16573), (339, 16657), (341, 16663), (345, 16675), (354, 16699), (362, 16726), (370, 16744), (396, 16783), (397, 16789), (405, 16813), (426, 16867), (429, 16879), (432, 16888), (450, 16948), (487, 17026), (500, 17065), (511, 17098), (529, 17164), (537, 17179), (540, 17188), (547, 17212), (555, 17242), (559, 17254), (590, 17356), (593, 17368), (594, 17371), (596, 17377), (616, 17386), (646, 17494), (667, 17578), (693, 17677), (725, 17785), (738, 17833),

Gene: Pytheas_20 Start: 17676, Stop: 19382, Start Num: 110
Candidate Starts for Pytheas_20:
(Start: 91 @17652 has 1 MA's), (Start: 110 @17676 has 31 MA's), (175, 17781), (195, 17823), (219, 17898), (264, 18012), (315, 18159), (319, 18165), (416, 18348), (442, 18423), (550, 18705), (554, 18726), (575, 18801), (623, 18924), (630, 18957), (632, 18963), (649, 19029), (657, 19059), (698, 19215), (700, 19221), (702, 19239), (730, 19350),

Gene: Qhanda_25 Start: 18642, Stop: 20429, Start Num: 82
Candidate Starts for Qhanda_25:
(Start: 64 @18603 has 1 MA's), (Start: 77 @18633 has 26 MA's), (Start: 80 @18639 has 43 MA's), (Start: 82 @18642 has 156 MA's), (135, 18699), (160, 18747), (177, 18786), (185, 18801), (Start: 193 @18819 has 2 MA's), (204, 18852), (215, 18882), (229, 18927), (236, 18945), (268, 19017), (269, 19023), (284, 19053), (305, 19119), (309, 19131), (369, 19266), (402, 19314), (404, 19320), (409, 19338), (423, 19368), (435, 19407), (481, 19533), (500, 19593), (501, 19596), (507, 19614), (512, 19629), (561, 19797), (578, 19851), (591, 19896), (609, 19941), (617, 19965), (627, 19998), (636, 20031), (654, 20103), (657, 20115), (671, 20166), (672, 20172), (702, 20274), (733, 20400), (745, 20421),

Gene: Quallification_25 Start: 19952, Stop: 21631, Start Num: 119
Candidate Starts for Quallification_25:
(Start: 119 @19952 has 132 MA's), (Start: 169 @20036 has 49 MA's), (Start: 203 @20114 has 1 MA's), (231, 20201), (236, 20216), (259, 20264), (273, 20303), (305, 20390), (319, 20423), (333, 20459), (343, 20489), (345, 20495), (370, 20564), (399, 20594), (403, 20606), (404, 20609), (426, 20666), (483, 20798), (484, 20804), (505, 20870), (507, 20876), (513, 20900), (529, 20948), (540, 20972), (543, 20981), (562, 21056), (580, 21107), (585, 21122), (648, 21284), (654, 21311), (663, 21341), (689, 21446), (716, 21524), (723, 21560), (725, 21569), (732, 21602), (738, 21617),

Gene: QueenHazel_19 Start: 16491, Stop: 18224, Start Num: 123
Candidate Starts for QueenHazel_19:
(48, 16344), (55, 16371), (57, 16374), (Start: 60 @16383 has 1 MA's), (Start: 98 @16464 has 3 MA's), (Start: 123 @16491 has 61 MA's), (180, 16590), (184, 16599), (208, 16665), (217, 16689), (235, 16749), (236, 16752), (247, 16779), (318, 16959), (329, 16983), (333, 16995), (341, 17019), (397, 17145), (402, 17160), (405, 17169), (418, 17205), (426, 17223), (445, 17283), (522, 17475), (527, 17484), (540, 17517), (580, 17661), (593, 17706), (640, 17808), (642, 17817), (646, 17835), (647, 17838), (672, 17937), (686, 17997), (691, 18015), (698, 18051), (701, 18066), (716, 18114), (730,

18183),

Gene: QuickMath_17 Start: 16152, Stop: 17861, Start Num: 114
Candidate Starts for QuickMath_17:
(Start: 114 @16152 has 231 MA's), (171, 16239), (Start: 193 @16284 has 2 MA's), (202, 16308), (234, 16413), (236, 16419), (242, 16437), (259, 16467), (299, 16572), (301, 16578), (321, 16632), (325, 16641), (330, 16653), (333, 16662), (341, 16686), (371, 16773), (378, 16788), (397, 16812), (402, 16827), (404, 16833), (417, 16869), (418, 16872), (424, 16884), (426, 16890), (440, 16938), (445, 16950), (446, 16956), (481, 17016), (485, 17028), (497, 17064), (500, 17076), (507, 17097), (527, 17151), (529, 17160), (538, 17178), (540, 17184), (549, 17214), (578, 17319), (580, 17328), (581, 17331), (592, 17367), (629, 17433), (631, 17445), (656, 17544), (663, 17565), (671, 17598), (679, 17628), (686, 17658), (688, 17667), (690, 17673), (698, 17688), (699, 17691), (703, 17715), (714, 17745), (718, 17757), (723, 17787), (732, 17829),

Gene: Quico_17 Start: 14636, Stop: 16345, Start Num: 114
Candidate Starts for Quico_17:
(Start: 114 @14636 has 231 MA's), (171, 14723), (Start: 193 @14768 has 2 MA's), (202, 14792), (234, 14897), (236, 14903), (242, 14921), (259, 14951), (299, 15056), (321, 15116), (330, 15137), (333, 15146), (341, 15170), (397, 15296), (402, 15311), (404, 15317), (409, 15335), (410, 15338), (417, 15353), (418, 15356), (424, 15368), (426, 15374), (428, 15383), (440, 15422), (445, 15434), (446, 15440), (481, 15500), (497, 15548), (500, 15560), (527, 15635), (529, 15644), (538, 15662), (540, 15668), (549, 15698), (578, 15803), (581, 15815), (592, 15851), (631, 15929), (656, 16028), (663, 16049), (671, 16082), (679, 16112), (686, 16142), (688, 16151), (690, 16157), (698, 16172), (699, 16175), (702, 16196), (703, 16199), (718, 16241), (723, 16271), (732, 16313),

Gene: QuincyRose_22 Start: 17168, Stop: 18934, Start Num: 82
Candidate Starts for QuincyRose_22:
(Start: 82 @17168 has 156 MA's), (Start: 103 @17198 has 1 MA's), (Start: 193 @17357 has 2 MA's), (204, 17390), (215, 17420), (225, 17453), (229, 17465), (268, 17555), (288, 17597), (309, 17669), (313, 17678), (330, 17717), (345, 17762), (355, 17783), (356, 17786), (398, 17840), (404, 17858), (420, 17900), (423, 17906), (431, 17933), (481, 18071), (486, 18089), (500, 18131), (506, 18149), (516, 18179), (529, 18206), (561, 18311), (617, 18470), (628, 18506), (639, 18545), (657, 18620), (671, 18671), (725, 18866), (733, 18905), (734, 18908), (745, 18926),

Gene: REQ2_20 Start: 19089, Stop: 20663, Start Num: 126
Candidate Starts for REQ2_20:
(Start: 126 @19089 has 11 MA's), (175, 19173), (Start: 193 @19212 has 2 MA's), (239, 19347), (284, 19428), (304, 19491), (402, 19671), (403, 19674), (404, 19677), (426, 19737), (440, 19785), (466, 19848), (481, 19866), (485, 19878), (493, 19902), (500, 19926), (504, 19938), (514, 19974), (559, 20073), (566, 20103), (567, 20106), (597, 20175), (608, 20196), (627, 20241), (631, 20259), (640, 20289), (652, 20340), (667, 20397), (679, 20439), (727, 20616),

Gene: Rabbs_18 Start: 16648, Stop: 18411, Start Num: 77
Candidate Starts for Rabbs_18:
(Start: 77 @16648 has 26 MA's), (Start: 97 @16657 has 61 MA's), (Start: 103 @16663 has 1 MA's), (111, 16669), (160, 16747), (185, 16801), (204, 16852), (215, 16882), (222, 16906), (266, 17008), (281, 17047), (284, 17053), (290, 17068), (348, 17233), (386, 17290), (404, 17329), (420, 17371), (423, 17377), (435, 17416), (472, 17515), (481, 17542), (556, 17770), (561, 17788), (567, 17815), (594, 17899), (607, 17917), (614, 17932), (630, 17995), (648, 18058), (653, 18082), (663, 18115), (672, 18154), (682, 18196), (725, 18343), (745, 18403),

Gene: Radiance_16 Start: 14789, Stop: 16498, Start Num: 114
Candidate Starts for Radiance_16:

(Start: 114 @14789 has 231 MA's), (171, 14876), (Start: 193 @14921 has 2 MA's), (202, 14945), (219, 15002), (234, 15050), (236, 15056), (242, 15074), (259, 15104), (299, 15209), (321, 15269), (325, 15278), (333, 15299), (341, 15323), (354, 15359), (356, 15365), (367, 15398), (369, 15401), (371, 15410), (378, 15425), (381, 15431), (397, 15449), (402, 15464), (404, 15470), (409, 15488), (410, 15491), (417, 15506), (418, 15509), (424, 15521), (426, 15527), (440, 15575), (445, 15587), (446, 15593), (481, 15653), (485, 15665), (497, 15701), (500, 15713), (527, 15788), (529, 15797), (538, 15815), (540, 15821), (549, 15851), (578, 15956), (580, 15965), (581, 15968), (592, 16004), (631, 16082), (656, 16181), (663, 16202), (671, 16235), (679, 16265), (686, 16295), (688, 16304), (690, 16310), (698, 16325), (699, 16328), (703, 16352), (714, 16382), (718, 16394), (723, 16424), (732, 16466),

Gene: Rakim_25 Start: 19943, Stop: 21538, Start Num: 169
Candidate Starts for Rakim_25:
(Start: 119 @19859 has 132 MA's), (Start: 169 @19943 has 49 MA's), (Start: 203 @20021 has 1 MA's), (231, 20108), (236, 20123), (259, 20171), (273, 20210), (305, 20297), (319, 20330), (333, 20366), (343, 20396), (345, 20402), (370, 20471), (399, 20501), (403, 20513), (404, 20516), (426, 20573), (483, 20705), (484, 20711), (505, 20777), (507, 20783), (513, 20807), (529, 20855), (540, 20879), (543, 20888), (562, 20963), (580, 21014), (585, 21029), (648, 21191), (654, 21218), (663, 21248), (689, 21353), (716, 21431), (723, 21467), (725, 21476), (732, 21509), (738, 21524),

Gene: Ramen_23 Start: 17154, Stop: 18920, Start Num: 82
Candidate Starts for Ramen_23:
(Start: 82 @17154 has 156 MA's), (Start: 103 @17184 has 1 MA's), (Start: 193 @17343 has 2 MA's), (204, 17376), (215, 17406), (225, 17439), (229, 17451), (268, 17541), (288, 17583), (309, 17655), (313, 17664), (330, 17703), (345, 17748), (355, 17769), (356, 17772), (398, 17826), (404, 17844), (420, 17886), (423, 17892), (431, 17919), (481, 18057), (486, 18075), (500, 18117), (506, 18135), (516, 18165), (529, 18192), (561, 18297), (617, 18456), (628, 18492), (636, 18522), (639, 18531), (657, 18606), (671, 18657), (725, 18852), (733, 18891), (734, 18894), (745, 18912),

Gene: Ramsey_17 Start: 14835, Stop: 16544, Start Num: 114
Candidate Starts for Ramsey_17:
(Start: 114 @14835 has 231 MA's), (171, 14922), (Start: 193 @14967 has 2 MA's), (202, 14991), (234, 15096), (236, 15102), (242, 15120), (259, 15150), (299, 15255), (321, 15315), (330, 15336), (333, 15345), (341, 15369), (367, 15444), (397, 15495), (402, 15510), (404, 15516), (417, 15552), (418, 15555), (424, 15567), (426, 15573), (440, 15621), (445, 15633), (446, 15639), (481, 15699), (485, 15711), (497, 15747), (500, 15759), (527, 15834), (529, 15843), (538, 15861), (540, 15867), (549, 15897), (578, 16002), (581, 16014), (592, 16050), (631, 16128), (656, 16227), (663, 16248), (671, 16281), (679, 16311), (686, 16341), (687, 16347), (688, 16350), (690, 16356), (698, 16371), (699, 16374), (702, 16395), (703, 16398), (718, 16440), (732, 16512), (733, 16518),

Gene: Rapunzel97_23 Start: 17155, Stop: 18921, Start Num: 82
Candidate Starts for Rapunzel97_23:
(Start: 82 @17155 has 156 MA's), (Start: 103 @17185 has 1 MA's), (Start: 193 @17344 has 2 MA's), (204, 17377), (215, 17407), (225, 17440), (229, 17452), (268, 17542), (288, 17584), (309, 17656), (313, 17665), (330, 17704), (345, 17749), (355, 17770), (356, 17773), (398, 17827), (404, 17845), (420, 17887), (423, 17893), (431, 17920), (481, 18058), (486, 18076), (500, 18118), (506, 18136), (516, 18166), (529, 18193), (561, 18298), (617, 18457), (628, 18493), (636, 18523), (639, 18532), (657, 18607), (671, 18658), (701, 18757), (725, 18853), (733, 18892), (734, 18895), (745, 18913),

Gene: Rattrick_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Rattrick_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039),

(284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: RavenCo17_17 Start: 15550, Stop: 17259, Start Num: 123
Candidate Starts for RavenCo17_17:
(42, 15379), (51, 15415), (Start: 123 @15550 has 61 MA's), (186, 15667), (236, 15817), (280, 15913), (292, 15940), (324, 16030), (326, 16033), (329, 16045), (395, 16219), (435, 16336), (443, 16360), (474, 16408), (531, 16525), (551, 16582), (558, 16621), (577, 16678), (627, 16807), (691, 17062), (692, 17065), (702, 17113), (711, 17143),

Gene: Raymond7_18 Start: 14993, Stop: 16702, Start Num: 119
Candidate Starts for Raymond7_18:
(Start: 119 @14993 has 132 MA's), (139, 15020), (159, 15059), (Start: 193 @15125 has 2 MA's), (197, 15137), (208, 15173), (217, 15197), (225, 15224), (231, 15245), (234, 15254), (236, 15260), (252, 15293), (318, 15467), (321, 15473), (325, 15482), (329, 15491), (333, 15503), (341, 15527), (356, 15569), (367, 15602), (397, 15653), (398, 15656), (402, 15668), (417, 15710), (424, 15725), (426, 15731), (440, 15779), (460, 15833), (481, 15857), (504, 15929), (522, 15983), (527, 15992), (529, 16001), (540, 16025), (548, 16052), (549, 16055), (578, 16160), (580, 16169), (592, 16208), (632, 16289), (647, 16346), (656, 16385), (686, 16499), (698, 16529), (699, 16532), (703, 16556), (716, 16592), (718, 16598),

Gene: Rearden_31 Start: 23859, Stop: 25592, Start Num: 113
Candidate Starts for Rearden_31:
(Start: 113 @23859 has 31 MA's), (Start: 169 @23949 has 49 MA's), (171, 23952), (Start: 209 @24054 has 11 MA's), (231, 24120), (244, 24156), (260, 24186), (266, 24201), (295, 24282), (296, 24285), (307, 24321), (319, 24348), (334, 24387), (345, 24420), (348, 24429), (369, 24486), (386, 24528), (422, 24603), (426, 24615), (445, 24675), (470, 24729), (483, 24759), (487, 24777), (491, 24786), (501, 24819), (505, 24831), (507, 24837), (520, 24876), (540, 24933), (585, 25083), (590, 25101), (621, 25143), (627, 25167), (628, 25170), (631, 25185), (640, 25215), (648, 25245), (663, 25302), (705, 25452), (738, 25578),

Gene: Rebel_18 Start: 14990, Stop: 16699, Start Num: 119
Candidate Starts for Rebel_18:
(Start: 119 @14990 has 132 MA's), (139, 15017), (159, 15056), (Start: 193 @15122 has 2 MA's), (197, 15134), (208, 15170), (217, 15194), (225, 15221), (231, 15242), (234, 15251), (236, 15257), (252, 15290), (318, 15464), (321, 15470), (325, 15479), (329, 15488), (333, 15500), (341, 15524), (356, 15566), (367, 15599), (397, 15650), (398, 15653), (402, 15665), (417, 15707), (424, 15722), (426, 15728), (440, 15776), (460, 15830), (481, 15854), (504, 15926), (522, 15980), (527, 15989), (529, 15998), (540, 16022), (548, 16049), (549, 16052), (578, 16157), (580, 16166), (592, 16205), (632, 16286), (647, 16343), (656, 16382), (686, 16496), (698, 16526), (699, 16529), (703, 16553), (716, 16589),

Gene: RedBird_16 Start: 14766, Stop: 16475, Start Num: 114
Candidate Starts for RedBird_16:
(Start: 114 @14766 has 231 MA's), (171, 14853), (Start: 193 @14898 has 2 MA's), (202, 14922), (234, 15027), (236, 15033), (242, 15051), (259, 15081), (299, 15186), (321, 15246), (330, 15267), (333, 15276), (341, 15300), (397, 15426), (402, 15441), (404, 15447), (417, 15483), (418, 15486), (424, 15498), (426, 15504), (440, 15552), (445, 15564), (446, 15570), (481, 15630), (485, 15642), (497, 15678), (500, 15690), (527, 15765), (529, 15774), (538, 15792), (540, 15798), (549, 15828), (578, 15933), (580, 15942), (581, 15945), (592, 15981), (631, 16059), (656, 16158), (663, 16179), (671, 16212), (679, 16242), (686, 16272), (688, 16281), (690, 16287), (698, 16302), (699, 16305), (703,

16329), (718, 16371), (723, 16401), (732, 16443),

Gene: RedRaider_48 Start: 32716, Stop: 34338, Start Num: 109
Candidate Starts for RedRaider_48:
(Start: 109 @32716 has 43 MA's), (185, 32833), (212, 32911), (280, 33073), (287, 33085), (292, 33100), (316, 33166), (324, 33181), (365, 33292), (385, 33322), (387, 33325), (417, 33382), (442, 33454), (488, 33559), (531, 33646), (549, 33694), (583, 33820), (584, 33823), (593, 33856), (629, 33913), (663, 34042), (672, 34081), (703, 34186), (721, 34249), (723, 34261), (726, 34273), (738, 34318),

Gene: Redi_18 Start: 14993, Stop: 16702, Start Num: 119
Candidate Starts for Redi_18:
(Start: 119 @14993 has 132 MA's), (139, 15020), (159, 15059), (Start: 193 @15125 has 2 MA's), (197, 15137), (208, 15173), (217, 15197), (225, 15224), (231, 15245), (234, 15254), (236, 15260), (252, 15293), (318, 15467), (321, 15473), (325, 15482), (329, 15491), (333, 15503), (341, 15527), (356, 15569), (367, 15602), (397, 15653), (398, 15656), (402, 15668), (417, 15710), (424, 15725), (426, 15731), (440, 15779), (460, 15833), (481, 15857), (504, 15929), (522, 15983), (527, 15992), (529, 16001), (540, 16025), (548, 16052), (549, 16055), (578, 16160), (580, 16169), (592, 16208), (632, 16289), (647, 16346), (656, 16385), (686, 16499), (698, 16529), (699, 16532), (703, 16556), (716, 16592),

Gene: Redno2_35 Start: 27084, Stop: 29082, Start Num: 113
Candidate Starts for Redno2_35:
(Start: 113 @27084 has 31 MA's), (Start: 169 @27174 has 49 MA's), (189, 27222), (202, 27252), (244, 27381), (260, 27411), (296, 27510), (307, 27546), (319, 27573), (345, 27645), (348, 27654), (356, 27675), (381, 27744), (404, 27783), (405, 27786), (409, 27801), (426, 27840), (440, 27888), (445, 27900), (446, 27906), (470, 27954), (472, 27963), (483, 27984), (487, 28002), (503, 28050), (538, 28152), (559, 28224), (569, 28269), (570, 28281), (571, 28416), (572, 28422), (573, 28446), (574, 28518), (576, 28545), (664, 28794),

Gene: Rem711_25 Start: 19029, Stop: 20768, Start Num: 80
Candidate Starts for Rem711_25:
(Start: 80 @19029 has 43 MA's), (146, 19101), (200, 19221), (267, 19401), (292, 19464), (307, 19515), (315, 19536), (334, 19581), (404, 19698), (405, 19701), (435, 19785), (436, 19788), (441, 19803), (446, 19821), (578, 20205), (579, 20211), (633, 20364), (665, 20484), (669, 20502), (716, 20655), (733, 20739), (734, 20742), (745, 20760),

Gene: Remy19_18 Start: 16640, Stop: 18403, Start Num: 77
Candidate Starts for Remy19_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Renaissance_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Renaissance_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050),

(663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Reptar3000_24 Start: 18363, Stop: 20150, Start Num: 80
Candidate Starts for Reptar3000_24:
(Start: 64 @18327 has 1 MA's), (Start: 77 @18357 has 26 MA's), (Start: 80 @18363 has 43 MA's), (Start: 82 @18366 has 156 MA's), (160, 18468), (177, 18507), (185, 18522), (Start: 193 @18540 has 2 MA's), (204, 18573), (215, 18603), (229, 18648), (268, 18738), (269, 18744), (284, 18774), (305, 18840), (309, 18852), (369, 18987), (402, 19035), (404, 19041), (423, 19089), (435, 19128), (488, 19278), (501, 19317), (507, 19335), (514, 19362), (541, 19437), (561, 19518), (578, 19572), (591, 19617), (606, 19653), (609, 19662), (627, 19719), (636, 19752), (639, 19761), (654, 19824), (657, 19836), (671, 19887), (672, 19893), (701, 19986), (702, 19995), (733, 20121), (745, 20142),

Gene: Reyja_19 Start: 15160, Stop: 16776, Start Num: 115
Candidate Starts for Reyja_19:
(Start: 115 @15160 has 7 MA's), (175, 15259), (186, 15283), (225, 15394), (226, 15397), (233, 15415), (236, 15424), (271, 15490), (279, 15505), (284, 15514), (288, 15520), (309, 15592), (317, 15610), (338, 15664), (341, 15673), (375, 15727), (404, 15763), (405, 15766), (443, 15874), (477, 15946), (481, 15952), (484, 15961), (489, 15979), (518, 16069), (546, 16138), (559, 16183), (562, 16201), (566, 16213), (594, 16279), (621, 16327), (624, 16339), (627, 16351), (632, 16372), (636, 16384), (640, 16399), (648, 16429), (656, 16465), (710, 16654), (726, 16717), (730, 16738), (738, 16762),

Gene: Rialto_18 Start: 15316, Stop: 17025, Start Num: 114
Candidate Starts for Rialto_18:
(Start: 114 @15316 has 231 MA's), (171, 15403), (181, 15424), (Start: 193 @15448 has 2 MA's), (202, 15472), (207, 15493), (234, 15577), (236, 15583), (242, 15601), (259, 15631), (299, 15736), (321, 15796), (330, 15817), (333, 15826), (341, 15850), (367, 15925), (369, 15928), (371, 15937), (378, 15952), (381, 15958), (397, 15976), (402, 15991), (404, 15997), (410, 16018), (417, 16033), (424, 16048), (426, 16054), (440, 16102), (445, 16114), (446, 16120), (481, 16180), (485, 16192), (497, 16228), (500, 16240), (527, 16315), (529, 16324), (538, 16342), (540, 16348), (549, 16378), (578, 16483), (581, 16495), (592, 16531), (631, 16609), (663, 16729), (671, 16762), (679, 16792), (681, 16804), (686, 16822), (687, 16828), (688, 16831), (690, 16837), (698, 16852), (699, 16855), (702, 16876), (703, 16879), (718, 16921), (723, 16951), (732, 16993), (733, 16999),

Gene: Richarlison_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Richarlison_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Richo_23 Start: 16514, Stop: 18280, Start Num: 82
Candidate Starts for Richo_23:
(Start: 77 @16505 has 26 MA's), (Start: 82 @16514 has 156 MA's), (Start: 87 @16520 has 18 MA's), (Start: 103 @16544 has 1 MA's), (135, 16583), (177, 16670), (185, 16685), (Start: 193 @16703 has 2 MA's), (204, 16736), (268, 16901), (284, 16937), (309, 17015), (313, 17024), (355, 17129), (356, 17132), (384, 17171), (402, 17198), (404, 17204), (420, 17246), (423, 17252), (431, 17279), (481, 17417), (486, 17435), (516, 17525), (529, 17552), (544, 17585), (561, 17657), (578, 17711), (588, 17747), (595, 17771), (617, 17816), (627, 17849), (630, 17864), (636, 17882), (639, 17891), (657, 17966), (671, 18017), (672, 18023), (702, 18125), (733, 18251), (734, 18254), (745, 18272),

Gene: Rimmer_23 Start: 19312, Stop: 20991, Start Num: 119

Candidate Starts for Rimmer_23:
(Start: 119 @19312 has 132 MA's), (Start: 169 @19396 has 49 MA's), (Start: 203 @19474 has 1 MA's), (231, 19561), (236, 19576), (259, 19624), (273, 19663), (305, 19750), (319, 19783), (333, 19819), (343, 19849), (345, 19855), (370, 19924), (399, 19954), (403, 19966), (404, 19969), (426, 20026), (483, 20158), (484, 20164), (505, 20230), (507, 20236), (513, 20260), (529, 20308), (540, 20332), (543, 20341), (562, 20416), (580, 20467), (585, 20482), (648, 20644), (654, 20671), (663, 20701), (689, 20806), (716, 20884), (723, 20920), (725, 20929), (732, 20962), (738, 20977),

Gene: Rita_16 Start: 14819, Stop: 16528, Start Num: 114
Candidate Starts for Rita_16:
(Start: 114 @14819 has 231 MA's), (171, 14906), (Start: 193 @14951 has 2 MA's), (202, 14975), (234, 15080), (236, 15086), (242, 15104), (247, 15113), (259, 15134), (299, 15239), (321, 15299), (330, 15320), (333, 15329), (341, 15353), (397, 15479), (402, 15494), (404, 15500), (417, 15536), (418, 15539), (424, 15551), (426, 15557), (440, 15605), (445, 15617), (446, 15623), (481, 15683), (485, 15695), (497, 15731), (500, 15743), (527, 15818), (529, 15827), (538, 15845), (540, 15851), (549, 15881), (578, 15986), (580, 15995), (581, 15998), (592, 16034), (631, 16112), (656, 16211), (663, 16232), (671, 16265), (679, 16295), (686, 16325), (688, 16334), (690, 16340), (698, 16355), (699, 16358), (703, 16382), (714, 16412), (718, 16424), (723, 16454), (732, 16496),

Gene: RitaG_16 Start: 14948, Stop: 16657, Start Num: 114
Candidate Starts for RitaG_16:
(Start: 114 @14948 has 231 MA's), (171, 15035), (Start: 193 @15080 has 2 MA's), (202, 15104), (234, 15209), (236, 15215), (242, 15233), (259, 15263), (299, 15368), (318, 15422), (321, 15428), (330, 15449), (333, 15458), (341, 15482), (397, 15608), (402, 15623), (404, 15629), (417, 15665), (418, 15668), (424, 15680), (426, 15686), (440, 15734), (445, 15746), (446, 15752), (481, 15812), (485, 15824), (497, 15860), (500, 15872), (527, 15947), (529, 15956), (538, 15974), (540, 15980), (549, 16010), (578, 16115), (581, 16127), (592, 16163), (631, 16241), (663, 16361), (671, 16394), (679, 16424), (681, 16436), (686, 16454), (688, 16463), (690, 16469), (698, 16484), (699, 16487), (703, 16511), (718, 16553), (723, 16583), (732, 16625),

Gene: RiverMonster_24 Start: 19585, Stop: 21180, Start Num: 169
Candidate Starts for RiverMonster_24:
(Start: 119 @19501 has 132 MA's), (Start: 169 @19585 has 49 MA's), (Start: 203 @19663 has 1 MA's), (231, 19750), (236, 19765), (259, 19813), (273, 19852), (305, 19939), (319, 19972), (333, 20008), (343, 20038), (345, 20044), (370, 20113), (399, 20143), (403, 20155), (404, 20158), (426, 20215), (483, 20347), (484, 20353), (505, 20419), (507, 20425), (513, 20449), (529, 20497), (540, 20521), (543, 20530), (562, 20605), (580, 20656), (585, 20671), (648, 20833), (654, 20860), (663, 20890), (689, 20995), (716, 21073), (723, 21109), (725, 21118), (732, 21151), (738, 21166),

Gene: Rizz_23 Start: 17703, Stop: 19283, Start Num: 121
Candidate Starts for Rizz_23:
(53, 17586), (Start: 121 @17703 has 70 MA's), (247, 17961), (260, 17982), (280, 18036), (295, 18075), (314, 18132), (324, 18153), (425, 18324), (430, 18342), (438, 18366), (445, 18387), (474, 18429), (504, 18510), (550, 18600), (559, 18645), (577, 18702), (578, 18705), (593, 18759), (631, 18849), (701, 19128), (702, 19137), (711, 19167),

Gene: RoadKill_30 Start: 27051, Stop: 28670, Start Num: 126
Candidate Starts for RoadKill_30:
(Start: 126 @27051 has 11 MA's), (140, 27072), (175, 27135), (221, 27258), (225, 27270), (254, 27327), (290, 27405), (298, 27432), (334, 27528), (405, 27642), (416, 27672), (433, 27720), (450, 27777), (481, 27825), (484, 27834), (500, 27885), (514, 27933), (566, 28098), (578, 28128), (627, 28236), (628, 28239), (640, 28284), (652, 28341), (654, 28347), (655, 28353), (668, 28401), (671, 28410), (672, 28416), (673, 28419), (688, 28470), (701, 28515), (719, 28584), (729, 28632), (732,

28644),

Gene: Rockne_16 Start: 14790, Stop: 16499, Start Num: 114
Candidate Starts for Rockne_16:
(Start: 114 @14790 has 231 MA's), (171, 14877), (Start: 193 @14922 has 2 MA's), (202, 14946), (219, 15003), (234, 15051), (236, 15057), (242, 15075), (259, 15105), (282, 15159), (299, 15210), (318, 15264), (321, 15270), (325, 15279), (333, 15300), (341, 15324), (354, 15360), (356, 15366), (367, 15399), (369, 15402), (371, 15411), (378, 15426), (381, 15432), (397, 15450), (402, 15465), (404, 15471), (409, 15489), (410, 15492), (417, 15507), (424, 15522), (426, 15528), (440, 15576), (445, 15588), (446, 15594), (481, 15654), (485, 15666), (497, 15702), (500, 15714), (527, 15789), (529, 15798), (538, 15816), (540, 15822), (549, 15852), (578, 15957), (581, 15969), (592, 16005), (631, 16083), (663, 16203), (671, 16236), (679, 16266), (681, 16278), (686, 16296), (687, 16302), (688, 16305), (690, 16311), (698, 16326), (699, 16329), (702, 16350), (703, 16353), (718, 16395), (723, 16425), (732, 16467), (733, 16473),

Gene: RockyHorror_17 Start: 14667, Stop: 16376, Start Num: 114
Candidate Starts for RockyHorror_17:
(Start: 114 @14667 has 231 MA's), (171, 14754), (202, 14823), (207, 14844), (219, 14880), (234, 14928), (236, 14934), (242, 14952), (259, 14982), (299, 15087), (321, 15147), (325, 15156), (330, 15168), (333, 15177), (341, 15201), (367, 15276), (378, 15303), (381, 15309), (397, 15327), (402, 15342), (404, 15348), (417, 15384), (418, 15387), (424, 15399), (426, 15405), (440, 15453), (445, 15465), (446, 15471), (481, 15531), (485, 15543), (497, 15579), (500, 15591), (527, 15666), (529, 15675), (538, 15693), (540, 15699), (549, 15729), (578, 15834), (580, 15843), (581, 15846), (592, 15882), (631, 15960), (656, 16059), (663, 16080), (671, 16113), (679, 16143), (686, 16173), (688, 16182), (690, 16188), (698, 16203), (699, 16206), (703, 16230), (714, 16260), (718, 16272), (723, 16302), (732, 16344),

Gene: Rosmarinus_23 Start: 17176, Stop: 18942, Start Num: 82
Candidate Starts for Rosmarinus_23:
(Start: 82 @17176 has 156 MA's), (Start: 103 @17206 has 1 MA's), (Start: 193 @17365 has 2 MA's), (204, 17398), (215, 17428), (225, 17461), (229, 17473), (268, 17563), (288, 17605), (309, 17677), (313, 17686), (330, 17725), (345, 17770), (355, 17791), (356, 17794), (398, 17848), (404, 17866), (420, 17908), (423, 17914), (431, 17941), (481, 18079), (486, 18097), (500, 18139), (506, 18157), (516, 18187), (529, 18214), (561, 18319), (617, 18478), (628, 18514), (636, 18544), (639, 18553), (657, 18628), (671, 18679), (725, 18874), (733, 18913), (734, 18916), (745, 18934),

Gene: Royals2015_16 Start: 14826, Stop: 16535, Start Num: 114
Candidate Starts for Royals2015_16:
(Start: 114 @14826 has 231 MA's), (171, 14913), (Start: 193 @14958 has 2 MA's), (202, 14982), (234, 15087), (236, 15093), (242, 15111), (259, 15141), (299, 15246), (321, 15306), (330, 15327), (333, 15336), (341, 15360), (397, 15486), (402, 15501), (404, 15507), (417, 15543), (418, 15546), (424, 15558), (426, 15564), (440, 15612), (445, 15624), (446, 15630), (481, 15690), (485, 15702), (497, 15738), (500, 15750), (527, 15825), (529, 15834), (538, 15852), (540, 15858), (549, 15888), (578, 15993), (580, 16002), (581, 16005), (592, 16041), (631, 16119), (656, 16218), (663, 16239), (671, 16272), (679, 16302), (686, 16332), (688, 16341), (690, 16347), (698, 16362), (699, 16365), (703, 16389), (714, 16419), (718, 16431), (723, 16461), (732, 16503),

Gene: Rubeelu_18 Start: 14956, Stop: 16665, Start Num: 119
Candidate Starts for Rubeelu_18:
(Start: 119 @14956 has 132 MA's), (139, 14983), (Start: 193 @15088 has 2 MA's), (197, 15100), (208, 15136), (225, 15187), (231, 15208), (234, 15217), (236, 15223), (244, 15244), (252, 15256), (318, 15430), (321, 15436), (329, 15454), (333, 15466), (334, 15469), (341, 15490), (367, 15565), (378, 15592), (397, 15616), (398, 15619), (402, 15631), (417, 15673), (424, 15688), (426, 15694), (428,

15703), (440, 15742), (460, 15796), (481, 15820), (500, 15880), (522, 15946), (527, 15955), (529, 15964), (548, 16015), (549, 16018), (578, 16123), (592, 16171), (629, 16237), (647, 16309), (686, 16462), (688, 16471), (698, 16492), (701, 16507), (703, 16519), (716, 16555), (718, 16561),

Gene: Ruby_16 Start: 14774, Stop: 16483, Start Num: 114
Candidate Starts for Ruby_16:
(Start: 114 @14774 has 231 MA's), (171, 14861), (Start: 193 @14906 has 2 MA's), (202, 14930), (234, 15035), (236, 15041), (242, 15059), (259, 15089), (299, 15194), (318, 15248), (321, 15254), (325, 15263), (330, 15275), (333, 15284), (341, 15308), (354, 15344), (356, 15350), (359, 15362), (367, 15383), (369, 15386), (371, 15395), (378, 15410), (381, 15416), (397, 15434), (402, 15449), (404, 15455), (409, 15473), (410, 15476), (417, 15491), (424, 15506), (426, 15512), (435, 15542), (440, 15560), (445, 15572), (446, 15578), (481, 15638), (485, 15650), (497, 15686), (500, 15698), (507, 15719), (527, 15773), (529, 15782), (540, 15806), (549, 15836), (578, 15941), (581, 15953), (592, 15989), (622, 16028), (631, 16067), (656, 16166), (663, 16187), (671, 16220), (679, 16250), (686, 16280), (688, 16289), (690, 16295), (698, 16310), (699, 16313), (702, 16334), (703, 16337), (718, 16379), (723, 16409), (732, 16451), (733, 16457),

Gene: Ruriko_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Ruriko_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Ruthiejr_23 Start: 18254, Stop: 20041, Start Num: 82
Candidate Starts for Ruthiejr_23:
(Start: 64 @18215 has 1 MA's), (Start: 77 @18245 has 26 MA's), (Start: 80 @18251 has 43 MA's), (Start: 82 @18254 has 156 MA's), (Start: 100 @18269 has 3 MA's), (135, 18311), (160, 18359), (177, 18398), (185, 18413), (Start: 193 @18431 has 2 MA's), (204, 18464), (215, 18494), (229, 18539), (236, 18557), (268, 18629), (269, 18635), (284, 18665), (286, 18668), (305, 18731), (309, 18743), (369, 18878), (382, 18896), (402, 18926), (404, 18932), (409, 18950), (423, 18980), (435, 19019), (481, 19145), (501, 19208), (561, 19409), (578, 19463), (591, 19508), (609, 19553), (617, 19577), (627, 19610), (636, 19643), (654, 19715), (657, 19727), (671, 19778), (672, 19784), (702, 19886), (733, 20012), (745, 20033),

Gene: Ruthy_19 Start: 16329, Stop: 18023, Start Num: 138
Candidate Starts for Ruthy_19:
(51, 16179), (105, 16293), (Start: 130 @16317 has 17 MA's), (Start: 138 @16329 has 2 MA's), (163, 16377), (215, 16506), (217, 16512), (237, 16578), (307, 16758), (309, 16764), (405, 16944), (406, 16950), (436, 17031), (479, 17145), (516, 17259), (529, 17292), (543, 17322), (544, 17325), (557, 17388), (559, 17391), (567, 17424), (627, 17592), (629, 17598), (654, 17697), (696, 17841), (745, 18015),

Gene: Ryadel_60 Start: 34285, Stop: 36021, Start Num: 94
Candidate Starts for Ryadel_60:
(Start: 89 @34276 has 2 MA's), (Start: 94 @34285 has 30 MA's), (Start: 156 @34375 has 1 MA's), (207, 34492), (219, 34528), (226, 34549), (234, 34576), (236, 34582), (249, 34612), (261, 34636), (283, 34687), (333, 34825), (335, 34831), (352, 34882), (354, 34885), (359, 34903), (397, 34954), (404, 34975), (405, 34978), (424, 35026), (426, 35032), (440, 35080), (443, 35086), (445, 35092), (471, 35152), (481, 35176), (483, 35179), (497, 35224), (501, 35239), (504, 35248), (507, 35257), (522, 35302), (529, 35320), (543, 35353), (581, 35491), (587, 35512), (625, 35578), (632, 35608),

(646, 35662), (656, 35704), (663, 35725), (667, 35746), (671, 35758), (676, 35779), (690, 35833), (716, 35911), (723, 35947), (727, 35968), (733, 35995),

Gene: SG4_16 Start: 14957, Stop: 16666, Start Num: 114
Candidate Starts for SG4_16:
(Start: 114 @14957 has 231 MA's), (171, 15044), (Start: 193 @15089 has 2 MA's), (202, 15113), (234, 15218), (236, 15224), (242, 15242), (259, 15272), (299, 15377), (321, 15437), (330, 15458), (333, 15467), (341, 15491), (397, 15617), (402, 15632), (404, 15638), (417, 15674), (418, 15677), (424, 15689), (426, 15695), (440, 15743), (445, 15755), (446, 15761), (481, 15821), (485, 15833), (497, 15869), (500, 15881), (527, 15956), (529, 15965), (538, 15983), (540, 15989), (549, 16019), (578, 16124), (580, 16133), (581, 16136), (592, 16172), (631, 16250), (656, 16349), (663, 16370), (671, 16403), (679, 16433), (686, 16463), (688, 16472), (690, 16478), (698, 16493), (699, 16496), (703, 16520), (714, 16550), (718, 16562), (723, 16592), (732, 16634),

Gene: Saal_16 Start: 14790, Stop: 16499, Start Num: 114
Candidate Starts for Saal_16:
(Start: 114 @14790 has 231 MA's), (171, 14877), (Start: 193 @14922 has 2 MA's), (202, 14946), (219, 15003), (234, 15051), (236, 15057), (242, 15075), (259, 15105), (299, 15210), (318, 15264), (321, 15270), (325, 15279), (333, 15300), (341, 15324), (354, 15360), (356, 15366), (367, 15399), (369, 15402), (371, 15411), (378, 15426), (381, 15432), (397, 15450), (402, 15465), (404, 15471), (409, 15489), (410, 15492), (417, 15507), (424, 15522), (426, 15528), (440, 15576), (445, 15588), (446, 15594), (481, 15654), (485, 15666), (497, 15702), (500, 15714), (527, 15789), (529, 15798), (538, 15816), (540, 15822), (549, 15852), (578, 15957), (581, 15969), (592, 16005), (631, 16083), (663, 16203), (671, 16236), (679, 16266), (681, 16278), (686, 16296), (687, 16302), (688, 16305), (690, 16311), (698, 16326), (699, 16329), (702, 16350), (703, 16353), (718, 16395), (723, 16425), (732, 16467), (733, 16473),

Gene: Sahara_17 Start: 14784, Stop: 16493, Start Num: 123
Candidate Starts for Sahara_17:
(Start: 123 @14784 has 61 MA's), (186, 14901), (210, 14973), (211, 14976), (236, 15051), (259, 15090), (264, 15105), (280, 15147), (292, 15174), (324, 15264), (326, 15267), (376, 15399), (395, 15453), (424, 15534), (443, 15594), (445, 15600), (531, 15759), (539, 15777), (551, 15816), (567, 15888), (568, 15891), (577, 15912), (654, 16146), (658, 16161), (669, 16203), (687, 16284), (691, 16296), (692, 16299), (702, 16347), (711, 16377),

Gene: Saints25_25 Start: 19407, Stop: 21086, Start Num: 119
Candidate Starts for Saints25_25:
(Start: 119 @19407 has 132 MA's), (Start: 169 @19491 has 49 MA's), (Start: 203 @19569 has 1 MA's), (231, 19656), (236, 19671), (259, 19719), (273, 19758), (305, 19845), (319, 19878), (333, 19914), (343, 19944), (345, 19950), (370, 20019), (399, 20049), (403, 20061), (404, 20064), (426, 20121), (483, 20253), (484, 20259), (505, 20325), (507, 20331), (513, 20355), (529, 20403), (540, 20427), (543, 20436), (562, 20511), (580, 20562), (585, 20577), (648, 20739), (654, 20766), (663, 20796), (689, 20901), (716, 20979), (723, 21015), (725, 21024), (732, 21057), (738, 21072),

Gene: Salvus_22 Start: 16306, Stop: 18156, Start Num: 54
Candidate Starts for Salvus_22:
(44, 16270), (Start: 54 @16306 has 4 MA's), (78, 16357), (Start: 100 @16384 has 3 MA's), (144, 16444), (177, 16510), (198, 16561), (205, 16579), (323, 16885), (343, 16942), (369, 16990), (374, 16993), (397, 17056), (404, 17077), (427, 17140), (430, 17149), (435, 17164), (484, 17299), (497, 17338), (503, 17359), (513, 17395), (514, 17398), (535, 17440), (542, 17455), (544, 17461), (640, 17770), (642, 17779), (644, 17785), (647, 17797), (654, 17827), (659, 17845), (661, 17851), (696, 17971), (711, 18028), (731, 18115), (733, 18124),

Gene: SamScheppers_22 Start: 18161, Stop: 19948, Start Num: 82
Candidate Starts for SamScheppers_22:
(Start: 64 @18122 has 1 MA's), (Start: 77 @18152 has 26 MA's), (Start: 80 @18158 has 43 MA's), (Start: 82 @18161 has 156 MA's), (135, 18218), (160, 18266), (177, 18305), (185, 18320), (Start: 193 @18338 has 2 MA's), (204, 18371), (215, 18401), (229, 18446), (236, 18464), (268, 18536), (269, 18542), (284, 18572), (305, 18638), (309, 18650), (369, 18785), (402, 18833), (404, 18839), (409, 18857), (423, 18887), (435, 18926), (481, 19052), (500, 19112), (501, 19115), (507, 19133), (512, 19148), (561, 19316), (578, 19370), (591, 19415), (609, 19460), (617, 19484), (627, 19517), (636, 19550), (654, 19622), (657, 19634), (671, 19685), (672, 19691), (702, 19793), (733, 19919), (745, 19940),

Gene: Samba_19 Start: 16728, Stop: 18374, Start Num: 150
Candidate Starts for Samba_19:
(Start: 130 @16692 has 17 MA's), (Start: 150 @16728 has 49 MA's), (199, 16830), (223, 16908), (224, 16911), (264, 17007), (278, 17046), (300, 17106), (306, 17127), (329, 17181), (334, 17196), (426, 17367), (435, 17397), (507, 17580), (513, 17604), (534, 17655), (562, 17748), (566, 17760), (582, 17805), (586, 17820), (628, 17952), (629, 17955), (654, 18054), (659, 18072), (672, 18123), (692, 18189), (709, 18252), (714, 18264),

Gene: Samman98_20 Start: 17337, Stop: 18917, Start Num: 121
Candidate Starts for Samman98_20:
(53, 17220), (Start: 121 @17337 has 70 MA's), (247, 17595), (260, 17616), (280, 17670), (295, 17709), (314, 17766), (324, 17787), (425, 17958), (430, 17976), (438, 18000), (445, 18021), (474, 18063), (504, 18144), (550, 18234), (559, 18279), (577, 18336), (578, 18339), (593, 18393), (631, 18483), (701, 18762), (702, 18771), (711, 18801),

Gene: Sampson_35 Start: 30699, Stop: 32321, Start Num: 123
Candidate Starts for Sampson_35:
(Start: 123 @30699 has 61 MA's), (140, 30720), (145, 30732), (175, 30783), (202, 30846), (225, 30918), (268, 31005), (290, 31056), (299, 31086), (330, 31167), (339, 31194), (405, 31293), (416, 31323), (420, 31332), (431, 31365), (432, 31368), (433, 31371), (436, 31380), (450, 31428), (481, 31476), (484, 31485), (514, 31584), (532, 31623), (538, 31635), (567, 31752), (581, 31791), (602, 31830), (627, 31887), (638, 31926), (640, 31935), (652, 31992), (655, 32004), (671, 32061), (672, 32067), (677, 32088), (688, 32121), (701, 32166), (732, 32295), (734, 32304),

Gene: SamuelLPlaqson_23 Start: 17102, Stop: 18868, Start Num: 82
Candidate Starts for SamuelLPlaqson_23:
(Start: 82 @17102 has 156 MA's), (Start: 103 @17132 has 1 MA's), (Start: 193 @17291 has 2 MA's), (204, 17324), (215, 17354), (225, 17387), (229, 17399), (268, 17489), (288, 17531), (309, 17603), (313, 17612), (330, 17651), (345, 17696), (356, 17720), (404, 17792), (420, 17834), (423, 17840), (431, 17867), (481, 18005), (486, 18023), (500, 18065), (516, 18113), (529, 18140), (561, 18245), (588, 18335), (628, 18440), (636, 18470), (639, 18479), (657, 18554), (671, 18605), (725, 18800), (733, 18839), (734, 18842), (745, 18860),

Gene: Sandalphon_17 Start: 15361, Stop: 17070, Start Num: 114
Candidate Starts for Sandalphon_17:
(Start: 114 @15361 has 231 MA's), (171, 15448), (Start: 193 @15493 has 2 MA's), (202, 15517), (219, 15574), (234, 15622), (236, 15628), (242, 15646), (259, 15676), (299, 15781), (318, 15835), (321, 15841), (325, 15850), (333, 15871), (341, 15895), (354, 15931), (356, 15937), (367, 15970), (369, 15973), (371, 15982), (378, 15997), (381, 16003), (397, 16021), (402, 16036), (404, 16042), (409, 16060), (410, 16063), (417, 16078), (424, 16093), (426, 16099), (440, 16147), (445, 16159), (446, 16165), (481, 16225), (485, 16237), (497, 16273), (500, 16285), (527, 16360), (529, 16369), (538, 16387), (540, 16393), (549, 16423), (578, 16528), (581, 16540), (592, 16576), (631, 16654), (663,

16774), (671, 16807), (679, 16837), (681, 16849), (686, 16867), (687, 16873), (688, 16876), (690, 16882), (698, 16897), (699, 16900), (702, 16921), (703, 16924), (718, 16966), (723, 16996), (732, 17038), (733, 17044),

Gene: Santhid_18 Start: 14993, Stop: 16609, Start Num: 115
Candidate Starts for Santhid_18:
(Start: 115 @14993 has 7 MA's), (175, 15092), (186, 15116), (225, 15227), (226, 15230), (233, 15248), (236, 15257), (271, 15323), (279, 15338), (284, 15347), (288, 15353), (317, 15443), (338, 15497), (341, 15506), (404, 15596), (443, 15707), (477, 15779), (481, 15785), (484, 15794), (489, 15812), (518, 15902), (523, 15917), (555, 16001), (559, 16016), (562, 16034), (566, 16046), (594, 16112), (621, 16160), (624, 16172), (627, 16184), (632, 16205), (636, 16217), (640, 16232), (648, 16262), (656, 16298), (701, 16451), (710, 16487), (726, 16550), (730, 16571), (738, 16595), (743, 16601),

Gene: Sapo_16 Start: 14618, Stop: 16216, Start Num: 150
Candidate Starts for Sapo_16:
(Start: 150 @14618 has 49 MA's), (254, 14873), (283, 14945), (290, 14963), (293, 14972), (298, 14990), (338, 15098), (339, 15101), (402, 15194), (426, 15257), (462, 15368), (465, 15371), (481, 15392), (505, 15467), (512, 15488), (513, 15497), (555, 15608), (566, 15653), (578, 15683), (582, 15698), (659, 15914), (667, 15947), (682, 16007), (688, 16019), (709, 16094), (718, 16118), (724, 16151),

Gene: Sarma624_17 Start: 14767, Stop: 16344, Start Num: 193
Candidate Starts for Sarma624_17:
(Start: 114 @14635 has 231 MA's), (171, 14722), (Start: 193 @14767 has 2 MA's), (202, 14791), (234, 14896), (236, 14902), (242, 14920), (259, 14950), (299, 15055), (321, 15115), (330, 15136), (333, 15145), (341, 15169), (367, 15244), (369, 15247), (397, 15295), (402, 15310), (404, 15316), (417, 15352), (418, 15355), (424, 15367), (426, 15373), (440, 15421), (445, 15433), (446, 15439), (481, 15499), (485, 15511), (497, 15547), (500, 15559), (527, 15634), (529, 15643), (538, 15661), (540, 15667), (549, 15697), (578, 15802), (580, 15811), (581, 15814), (592, 15850), (631, 15928), (656, 16027), (663, 16048), (671, 16081), (679, 16111), (686, 16141), (688, 16150), (690, 16156), (698, 16171), (699, 16174), (703, 16198), (714, 16228), (718, 16240), (723, 16270), (732, 16312),

Gene: Sassafras_16 Start: 14940, Stop: 16649, Start Num: 114
Candidate Starts for Sassafras_16:
(Start: 114 @14940 has 231 MA's), (171, 15027), (Start: 193 @15072 has 2 MA's), (202, 15096), (234, 15201), (236, 15207), (242, 15225), (259, 15255), (299, 15360), (321, 15420), (330, 15441), (333, 15450), (341, 15474), (397, 15600), (402, 15615), (404, 15621), (417, 15657), (418, 15660), (424, 15672), (426, 15678), (440, 15726), (445, 15738), (446, 15744), (481, 15804), (485, 15816), (497, 15852), (500, 15864), (527, 15939), (529, 15948), (538, 15966), (540, 15972), (549, 16002), (578, 16107), (581, 16119), (592, 16155), (631, 16233), (656, 16332), (663, 16353), (671, 16386), (679, 16416), (686, 16446), (688, 16455), (690, 16461), (698, 16476), (699, 16479), (702, 16500), (703, 16503), (718, 16545), (723, 16575), (732, 16617),

Gene: Sassay_23 Start: 19334, Stop: 20929, Start Num: 169
Candidate Starts for Sassay_23:
(Start: 119 @19250 has 132 MA's), (Start: 169 @19334 has 49 MA's), (Start: 203 @19412 has 1 MA's), (231, 19499), (236, 19514), (259, 19562), (273, 19601), (305, 19688), (319, 19721), (333, 19757), (343, 19787), (345, 19793), (370, 19862), (399, 19892), (403, 19904), (404, 19907), (426, 19964), (483, 20096), (484, 20102), (505, 20168), (507, 20174), (513, 20198), (529, 20246), (540, 20270), (543, 20279), (562, 20354), (580, 20405), (585, 20420), (648, 20582), (654, 20609), (663, 20639), (689, 20744), (716, 20822), (723, 20858), (725, 20867), (732, 20900), (738, 20915),

Gene: SassyB_16 Start: 14854, Stop: 16563, Start Num: 114

Candidate Starts for SassyB_16:
(Start: 114 @14854 has 231 MA's), (171, 14941), (Start: 193 @14986 has 2 MA's), (202, 15010), (234, 15115), (236, 15121), (242, 15139), (259, 15169), (299, 15274), (321, 15334), (325, 15343), (329, 15352), (330, 15355), (333, 15364), (341, 15388), (397, 15514), (402, 15529), (404, 15535), (417, 15571), (418, 15574), (424, 15586), (426, 15592), (440, 15640), (445, 15652), (446, 15658), (481, 15718), (485, 15730), (497, 15766), (500, 15778), (527, 15853), (529, 15862), (538, 15880), (540, 15886), (549, 15916), (578, 16021), (580, 16030), (581, 16033), (592, 16069), (631, 16147), (656, 16246), (663, 16267), (671, 16300), (679, 16330), (686, 16360), (688, 16369), (690, 16375), (698, 16390), (699, 16393), (703, 16417), (714, 16447), (718, 16459), (723, 16489), (732, 16531),

Gene: Savage_17 Start: 14758, Stop: 16467, Start Num: 123
Candidate Starts for Savage_17:
(Start: 123 @14758 has 61 MA's), (186, 14875), (236, 15025), (259, 15064), (264, 15079), (292, 15148), (295, 15160), (324, 15238), (326, 15241), (376, 15373), (395, 15427), (424, 15508), (443, 15568), (445, 15574), (446, 15580), (492, 15661), (504, 15697), (531, 15733), (539, 15751), (551, 15790), (567, 15862), (577, 15886), (654, 16120), (658, 16135), (669, 16177), (691, 16270), (692, 16273), (702, 16321), (711, 16351),

Gene: Scarlett_22 Start: 16390, Stop: 18159, Start Num: 77
Candidate Starts for Scarlett_22:
(Start: 64 @16360 has 1 MA's), (Start: 77 @16390 has 26 MA's), (Start: 80 @16396 has 43 MA's), (Start: 103 @16423 has 1 MA's), (128, 16450), (185, 16564), (204, 16615), (225, 16678), (268, 16780), (269, 16786), (298, 16858), (309, 16894), (313, 16903), (330, 16942), (346, 16990), (355, 17008), (382, 17047), (384, 17050), (398, 17065), (402, 17077), (404, 17083), (420, 17125), (423, 17131), (431, 17158), (481, 17296), (486, 17314), (491, 17326), (516, 17404), (547, 17476), (551, 17488), (561, 17536), (584, 17611), (617, 17695), (627, 17728), (629, 17734), (636, 17761), (657, 17845), (659, 17851), (671, 17896), (672, 17902), (701, 17995), (725, 18091), (745, 18151),

Gene: Schatzie_34 Start: 26625, Stop: 28358, Start Num: 113
Candidate Starts for Schatzie_34:
(Start: 113 @26625 has 31 MA's), (Start: 169 @26715 has 49 MA's), (189, 26763), (202, 26793), (Start: 209 @26820 has 11 MA's), (244, 26922), (260, 26952), (296, 27051), (307, 27087), (308, 27093), (319, 27114), (345, 27186), (348, 27195), (356, 27216), (381, 27285), (404, 27324), (405, 27327), (409, 27342), (426, 27381), (440, 27429), (445, 27441), (446, 27447), (470, 27495), (472, 27504), (483, 27525), (487, 27543), (503, 27591), (538, 27693), (555, 27753), (559, 27765), (585, 27849), (588, 27861), (590, 27867), (593, 27879), (594, 27882), (624, 27921), (629, 27939), (639, 27975), (640, 27981), (663, 28068), (685, 28158), (701, 28200), (705, 28218), (715, 28248), (724, 28290), (738, 28344),

Gene: Schiebel_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Schiebel_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Schmidt_20 Start: 14705, Stop: 16033, Start Num: 209
Candidate Starts for Schmidt_20:
(187, 14639), (197, 14663), (Start: 209 @14705 has 11 MA's), (257, 14813), (265, 14834), (276, 14867), (294, 14909), (307, 14954), (330, 15011), (336, 15029), (382, 15134), (432, 15173), (448, 15227), (451, 15236), (462, 15245), (490, 15290), (539, 15365), (542, 15374), (547, 15392), (559,

15446), (568, 15482), (617, 15578), (665, 15746), (672, 15773), (675, 15788), (692, 15839), (701, 15878), (704, 15893), (711, 15917), (717, 15932), (720, 15950), (735, 16016),

Gene: Schnauzer_18 Start: 14989, Stop: 16698, Start Num: 119
Candidate Starts for Schnauzer_18:
(Start: 119 @14989 has 132 MA's), (139, 15016), (Start: 193 @15121 has 2 MA's), (197, 15133), (208, 15169), (225, 15220), (234, 15250), (236, 15256), (247, 15283), (252, 15289), (299, 15409), (318, 15463), (321, 15469), (329, 15487), (333, 15499), (334, 15502), (341, 15523), (356, 15565), (367, 15598), (397, 15649), (402, 15664), (417, 15706), (424, 15721), (426, 15727), (440, 15775), (447, 15799), (460, 15829), (481, 15853), (500, 15913), (504, 15925), (522, 15979), (527, 15988), (548, 16048), (549, 16051), (578, 16156), (580, 16165), (592, 16204), (647, 16342), (685, 16492), (686, 16495), (688, 16504), (698, 16525), (703, 16552), (716, 16588), (738, 16681),

Gene: SchoolBus_56 Start: 33469, Stop: 35205, Start Num: 94
Candidate Starts for SchoolBus_56:
(Start: 89 @33460 has 2 MA's), (Start: 94 @33469 has 30 MA's), (Start: 156 @33559 has 1 MA's), (207, 33676), (219, 33712), (226, 33733), (234, 33760), (236, 33766), (249, 33796), (261, 33820), (283, 33871), (333, 34009), (335, 34015), (352, 34066), (354, 34069), (359, 34087), (397, 34138), (404, 34159), (405, 34162), (424, 34210), (426, 34216), (440, 34264), (443, 34270), (445, 34276), (471, 34336), (481, 34360), (483, 34363), (497, 34408), (501, 34423), (504, 34432), (507, 34441), (522, 34486), (529, 34504), (543, 34537), (581, 34675), (587, 34696), (625, 34762), (632, 34792), (646, 34846), (656, 34888), (663, 34909), (667, 34930), (671, 34942), (676, 34963), (690, 35017), (716, 35095), (723, 35131), (727, 35152), (733, 35179),

Gene: Schuy_57 Start: 33260, Stop: 34996, Start Num: 94
Candidate Starts for Schuy_57:
(Start: 89 @33251 has 2 MA's), (Start: 94 @33260 has 30 MA's), (Start: 156 @33350 has 1 MA's), (207, 33467), (219, 33503), (226, 33524), (234, 33551), (236, 33557), (249, 33587), (261, 33611), (283, 33662), (333, 33800), (335, 33806), (352, 33857), (354, 33860), (359, 33878), (397, 33929), (404, 33950), (405, 33953), (424, 34001), (426, 34007), (440, 34055), (443, 34061), (445, 34067), (471, 34127), (481, 34151), (483, 34154), (497, 34199), (501, 34214), (504, 34223), (507, 34232), (522, 34277), (529, 34295), (543, 34328), (581, 34466), (587, 34487), (625, 34553), (632, 34583), (646, 34637), (656, 34679), (663, 34700), (667, 34721), (671, 34733), (676, 34754), (690, 34808), (716, 34886), (723, 34922), (727, 34943), (733, 34970),

Gene: Scioto_35 Start: 30754, Stop: 32376, Start Num: 123
Candidate Starts for Scioto_35:
(Start: 123 @30754 has 61 MA's), (140, 30775), (145, 30787), (175, 30838), (202, 30901), (225, 30973), (268, 31060), (290, 31111), (299, 31141), (330, 31222), (339, 31249), (405, 31348), (416, 31378), (420, 31387), (431, 31420), (432, 31423), (433, 31426), (436, 31435), (450, 31483), (481, 31531), (484, 31540), (514, 31639), (532, 31678), (538, 31690), (567, 31807), (581, 31846), (602, 31885), (627, 31942), (638, 31981), (640, 31990), (652, 32047), (655, 32059), (671, 32116), (672, 32122), (677, 32143), (688, 32176), (701, 32221), (732, 32350), (734, 32359),

Gene: Scitech_18 Start: 14986, Stop: 16695, Start Num: 119
Candidate Starts for Scitech_18:
(Start: 119 @14986 has 132 MA's), (139, 15013), (Start: 193 @15118 has 2 MA's), (197, 15130), (208, 15166), (225, 15217), (234, 15247), (236, 15253), (247, 15280), (252, 15286), (299, 15406), (318, 15460), (321, 15466), (329, 15484), (333, 15496), (334, 15499), (341, 15520), (356, 15562), (367, 15595), (397, 15646), (402, 15661), (417, 15703), (424, 15718), (426, 15724), (440, 15772), (447, 15796), (460, 15826), (481, 15850), (500, 15910), (504, 15922), (522, 15976), (527, 15985), (548, 16045), (549, 16048), (578, 16153), (580, 16162), (592, 16201), (647, 16339), (685, 16489), (686, 16492), (688, 16501), (698, 16522), (703, 16549), (716, 16585), (738, 16678),

Gene: Scottish_17 Start: 16108, Stop: 17817, Start Num: 114
Candidate Starts for Scottish_17:
(Start: 114 @16108 has 231 MA's), (171, 16195), (Start: 193 @16240 has 2 MA's), (202, 16264), (234, 16369), (236, 16375), (242, 16393), (259, 16423), (299, 16528), (321, 16588), (325, 16597), (333, 16618), (341, 16642), (354, 16678), (356, 16684), (367, 16717), (369, 16720), (371, 16729), (378, 16744), (381, 16750), (397, 16768), (402, 16783), (404, 16789), (409, 16807), (410, 16810), (417, 16825), (418, 16828), (424, 16840), (426, 16846), (440, 16894), (445, 16906), (446, 16912), (481, 16972), (485, 16984), (497, 17020), (500, 17032), (527, 17107), (529, 17116), (538, 17134), (540, 17140), (549, 17170), (578, 17275), (580, 17284), (581, 17287), (592, 17323), (631, 17401), (656, 17500), (663, 17521), (671, 17554), (679, 17584), (681, 17596), (686, 17614), (687, 17620), (688, 17623), (690, 17629), (698, 17644), (699, 17647), (702, 17668), (703, 17671), (718, 17713), (732, 17785), (733, 17791),

Gene: Scuba_50 Start: 30760, Stop: 32379, Start Num: 109
Candidate Starts for Scuba_50:
(Start: 109 @30760 has 43 MA's), (Start: 123 @30775 has 61 MA's), (152, 30814), (185, 30874), (292, 31141), (316, 31207), (324, 31222), (337, 31258), (365, 31333), (385, 31363), (387, 31366), (392, 31384), (417, 31423), (428, 31453), (508, 31657), (531, 31687), (549, 31735), (550, 31738), (583, 31861), (593, 31897), (663, 32083), (706, 32236), (723, 32302), (726, 32314), (738, 32359),

Gene: Seabastian_16 Start: 15041, Stop: 16750, Start Num: 114
Candidate Starts for Seabastian_16:
(Start: 114 @15041 has 231 MA's), (171, 15128), (181, 15149), (Start: 193 @15173 has 2 MA's), (202, 15197), (207, 15218), (234, 15302), (236, 15308), (242, 15326), (259, 15356), (299, 15461), (318, 15515), (321, 15521), (329, 15539), (330, 15542), (333, 15551), (341, 15575), (367, 15650), (371, 15662), (378, 15677), (381, 15683), (397, 15701), (402, 15716), (404, 15722), (414, 15749), (417, 15758), (424, 15773), (426, 15779), (440, 15827), (445, 15839), (446, 15845), (481, 15905), (485, 15917), (497, 15953), (500, 15965), (507, 15986), (527, 16040), (529, 16049), (538, 16067), (540, 16073), (549, 16103), (578, 16208), (580, 16217), (581, 16220), (592, 16256), (622, 16295), (631, 16334), (663, 16454), (671, 16487), (679, 16517), (686, 16547), (688, 16556), (690, 16562), (698, 16577), (699, 16580), (702, 16601), (703, 16604), (716, 16640), (718, 16646), (723, 16676), (732, 16718),

Gene: Seagreen_17 Start: 14650, Stop: 16359, Start Num: 114
Candidate Starts for Seagreen_17:
(Start: 114 @14650 has 231 MA's), (171, 14737), (Start: 193 @14782 has 2 MA's), (202, 14806), (207, 14827), (234, 14911), (236, 14917), (242, 14935), (259, 14965), (299, 15070), (321, 15130), (325, 15139), (329, 15148), (330, 15151), (333, 15160), (339, 15178), (341, 15184), (397, 15310), (402, 15325), (404, 15331), (417, 15367), (418, 15370), (424, 15382), (426, 15388), (440, 15436), (445, 15448), (446, 15454), (481, 15514), (485, 15526), (497, 15562), (500, 15574), (527, 15649), (529, 15658), (538, 15676), (540, 15682), (549, 15712), (578, 15817), (580, 15826), (581, 15829), (592, 15865), (629, 15931), (631, 15943), (656, 16042), (663, 16063), (671, 16096), (679, 16126), (686, 16156), (688, 16165), (690, 16171), (698, 16186), (699, 16189), (703, 16213), (714, 16243), (718, 16255), (723, 16285), (732, 16327),

Gene: Sekhmet_20 Start: 17697, Stop: 19277, Start Num: 121
Candidate Starts for Sekhmet_20:
(53, 17580), (Start: 121 @17697 has 70 MA's), (247, 17955), (260, 17976), (280, 18030), (295, 18069), (314, 18126), (324, 18147), (425, 18318), (430, 18336), (438, 18360), (445, 18381), (474, 18423), (504, 18504), (550, 18594), (577, 18696), (578, 18699), (593, 18753), (645, 18891), (677, 19023), (701, 19122), (702, 19131), (711, 19161),

Gene: SgtBeansprout_19 Start: 16697, Stop: 18463, Start Num: 82
Candidate Starts for SgtBeansprout_19:
(Start: 82 @16697 has 156 MA's), (Start: 87 @16703 has 18 MA's), (Start: 103 @16727 has 1 MA's), (177, 16853), (185, 16868), (Start: 193 @16886 has 2 MA's), (215, 16949), (268, 17084), (269, 17090), (309, 17198), (313, 17207), (355, 17312), (402, 17381), (404, 17387), (417, 17423), (423, 17435), (443, 17498), (481, 17600), (486, 17618), (500, 17660), (501, 17663), (544, 17768), (561, 17840), (593, 17948), (595, 17954), (617, 17999), (632, 18053), (639, 18074), (657, 18149), (671, 18200), (701, 18299), (704, 18314), (716, 18350), (725, 18395), (733, 18434), (734, 18437), (745, 18455),

Gene: ShaboiShabazz_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for ShaboiShabazz_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Shaboozey_28 Start: 23259, Stop: 24992, Start Num: 113
Candidate Starts for Shaboozey_28:
(Start: 113 @23259 has 31 MA's), (Start: 169 @23349 has 49 MA's), (171, 23352), (Start: 209 @23454 has 11 MA's), (231, 23520), (244, 23556), (260, 23586), (266, 23601), (296, 23685), (307, 23721), (319, 23748), (334, 23787), (345, 23820), (348, 23829), (369, 23886), (386, 23928), (422, 24003), (426, 24015), (445, 24075), (470, 24129), (483, 24159), (487, 24177), (491, 24186), (501, 24219), (505, 24231), (507, 24237), (520, 24276), (540, 24333), (585, 24483), (590, 24501), (621, 24543), (627, 24567), (628, 24570), (631, 24585), (640, 24615), (648, 24645), (663, 24702), (705, 24852), (734, 24972), (738, 24978),

Gene: Shadow1_21 Start: 16214, Stop: 17980, Start Num: 82
Candidate Starts for Shadow1_21:
(Start: 77 @16205 has 26 MA's), (Start: 82 @16214 has 156 MA's), (Start: 103 @16244 has 1 MA's), (177, 16370), (185, 16385), (Start: 193 @16403 has 2 MA's), (204, 16436), (215, 16466), (229, 16511), (268, 16601), (284, 16637), (313, 16724), (355, 16829), (356, 16832), (402, 16898), (404, 16904), (420, 16946), (423, 16952), (486, 17135), (506, 17195), (547, 17297), (551, 17309), (561, 17357), (584, 17432), (591, 17456), (617, 17516), (628, 17552), (636, 17582), (657, 17666), (671, 17717), (672, 17723), (701, 17816), (733, 17951), (734, 17954), (745, 17972),

Gene: ShamWow_24 Start: 19746, Stop: 21425, Start Num: 119
Candidate Starts for ShamWow_24:
(Start: 119 @19746 has 132 MA's), (Start: 169 @19830 has 49 MA's), (Start: 203 @19908 has 1 MA's), (231, 19995), (236, 20010), (259, 20058), (273, 20097), (305, 20184), (319, 20217), (333, 20253), (343, 20283), (345, 20289), (370, 20358), (399, 20388), (403, 20400), (404, 20403), (426, 20460), (483, 20592), (484, 20598), (505, 20664), (507, 20670), (513, 20694), (529, 20742), (540, 20766), (543, 20775), (562, 20850), (580, 20901), (585, 20916), (648, 21078), (654, 21105), (663, 21135), (689, 21240), (716, 21318), (723, 21354), (725, 21363), (732, 21396), (738, 21411),

Gene: Shaobing_23 Start: 16514, Stop: 18280, Start Num: 82
Candidate Starts for Shaobing_23:
(Start: 77 @16505 has 26 MA's), (Start: 82 @16514 has 156 MA's), (Start: 87 @16520 has 18 MA's), (Start: 103 @16544 has 1 MA's), (135, 16583), (177, 16670), (185, 16685), (Start: 193 @16703 has 2 MA's), (204, 16736), (215, 16766), (268, 16901), (284, 16937), (309, 17015), (313, 17024), (355, 17129), (356, 17132), (384, 17171), (402, 17198), (404, 17204), (420, 17246), (423, 17252), (431, 17279), (481, 17417), (486, 17435), (516, 17525), (529, 17552), (544, 17585), (561, 17657), (578,

17711), (588, 17747), (595, 17771), (617, 17816), (627, 17849), (630, 17864), (636, 17882), (639, 17891), (657, 17966), (671, 18017), (672, 18023), (702, 18125), (733, 18251), (734, 18254), (745, 18272),

Gene: Shauna1_16 Start: 14859, Stop: 16568, Start Num: 114
Candidate Starts for Shauna1_16:
(Start: 114 @14859 has 231 MA's), (171, 14946), (Start: 193 @14991 has 2 MA's), (202, 15015), (234, 15120), (236, 15126), (242, 15144), (259, 15174), (299, 15279), (321, 15339), (330, 15360), (333, 15369), (341, 15393), (367, 15468), (369, 15471), (397, 15519), (402, 15534), (404, 15540), (417, 15576), (418, 15579), (424, 15591), (426, 15597), (440, 15645), (445, 15657), (446, 15663), (481, 15723), (485, 15735), (497, 15771), (500, 15783), (527, 15858), (529, 15867), (538, 15885), (540, 15891), (549, 15921), (578, 16026), (580, 16035), (581, 16038), (592, 16074), (631, 16152), (656, 16251), (663, 16272), (671, 16305), (679, 16335), (686, 16365), (688, 16374), (690, 16380), (698, 16395), (699, 16398), (703, 16422), (714, 16452), (718, 16464), (723, 16494), (732, 16536),

Gene: ShedlockHolmes_22 Start: 17576, Stop: 19339, Start Num: 82
Candidate Starts for ShedlockHolmes_22:
(Start: 77 @17567 has 26 MA's), (Start: 82 @17576 has 156 MA's), (Start: 97 @17588 has 61 MA's), (158, 17678), (185, 17735), (204, 17786), (215, 17816), (222, 17840), (309, 18071), (313, 18080), (319, 18092), (348, 18173), (355, 18185), (356, 18188), (404, 18260), (406, 18269), (420, 18302), (423, 18308), (435, 18347), (446, 18383), (481, 18473), (501, 18536), (511, 18566), (535, 18623), (561, 18716), (613, 18854), (617, 18872), (630, 18920), (638, 18944), (645, 18971), (659, 19028), (671, 19073), (701, 19175), (723, 19262), (725, 19271), (729, 19292), (733, 19310), (736, 19316), (745, 19331),

Gene: ShereKhan_26 Start: 20729, Stop: 22408, Start Num: 119
Candidate Starts for ShereKhan_26:
(Start: 119 @20729 has 132 MA's), (Start: 169 @20813 has 49 MA's), (Start: 203 @20891 has 1 MA's), (231, 20978), (236, 20993), (259, 21041), (273, 21080), (305, 21167), (319, 21200), (333, 21236), (343, 21266), (345, 21272), (370, 21341), (399, 21371), (403, 21383), (404, 21386), (426, 21443), (483, 21575), (484, 21581), (505, 21647), (507, 21653), (513, 21677), (529, 21725), (540, 21749), (543, 21758), (562, 21833), (580, 21884), (585, 21899), (648, 22061), (654, 22088), (663, 22118), (689, 22223), (716, 22301), (723, 22337), (725, 22346), (732, 22379), (738, 22394),

Gene: ShiLan_16 Start: 14812, Stop: 16521, Start Num: 114
Candidate Starts for ShiLan_16:
(Start: 114 @14812 has 231 MA's), (171, 14899), (Start: 193 @14944 has 2 MA's), (202, 14968), (234, 15073), (236, 15079), (242, 15097), (259, 15127), (299, 15232), (318, 15286), (321, 15292), (325, 15301), (333, 15322), (341, 15346), (354, 15382), (356, 15388), (367, 15421), (369, 15424), (371, 15433), (378, 15448), (381, 15454), (397, 15472), (402, 15487), (404, 15493), (409, 15511), (410, 15514), (417, 15529), (424, 15544), (426, 15550), (440, 15598), (445, 15610), (446, 15616), (481, 15676), (485, 15688), (497, 15724), (500, 15736), (527, 15811), (529, 15820), (538, 15838), (540, 15844), (549, 15874), (578, 15979), (581, 15991), (592, 16027), (631, 16105), (663, 16225), (671, 16258), (679, 16288), (681, 16300), (686, 16318), (687, 16324), (688, 16327), (690, 16333), (698, 16348), (699, 16351), (702, 16372), (703, 16375), (718, 16417), (723, 16447), (732, 16489), (733, 16495),

Gene: ShiaSurprise_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for ShiaSurprise_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169),

(516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: Shida_56 Start: 33167, Stop: 34903, Start Num: 94
Candidate Starts for Shida_56:
(Start: 89 @33158 has 2 MA's), (Start: 94 @33167 has 30 MA's), (Start: 156 @33257 has 1 MA's), (207, 33374), (219, 33410), (226, 33431), (234, 33458), (236, 33464), (249, 33494), (261, 33518), (283, 33569), (333, 33707), (335, 33713), (352, 33764), (354, 33767), (359, 33785), (397, 33836), (404, 33857), (405, 33860), (424, 33908), (426, 33914), (440, 33962), (443, 33968), (445, 33974), (471, 34034), (481, 34058), (483, 34061), (497, 34106), (501, 34121), (504, 34130), (507, 34139), (522, 34184), (529, 34202), (543, 34235), (581, 34373), (587, 34394), (625, 34460), (632, 34490), (646, 34544), (656, 34586), (663, 34607), (667, 34628), (671, 34640), (676, 34661), (690, 34715), (716, 34793), (723, 34829), (727, 34850), (733, 34877),

Gene: Shipwreck_18 Start: 16086, Stop: 17822, Start Num: 107
Candidate Starts for Shipwreck_18:
(Start: 90 @16062 has 2 MA's), (Start: 107 @16086 has 54 MA's), (148, 16146), (159, 16167), (161, 16170), (211, 16290), (225, 16329), (235, 16362), (244, 16386), (294, 16506), (305, 16545), (307, 16551), (339, 16635), (341, 16641), (345, 16653), (354, 16677), (362, 16704), (370, 16722), (396, 16761), (397, 16767), (405, 16791), (426, 16845), (429, 16857), (432, 16866), (450, 16926), (487, 17004), (500, 17043), (511, 17076), (529, 17142), (537, 17157), (540, 17166), (547, 17190), (555, 17220), (559, 17232), (590, 17334), (593, 17346), (594, 17349), (596, 17355), (616, 17364), (646, 17472), (667, 17556), (693, 17655), (725, 17763), (738, 17811),

Gene: Shlim410_20 Start: 17902, Stop: 19482, Start Num: 121
Candidate Starts for Shlim410_20:
(53, 17785), (Start: 121 @17902 has 70 MA's), (247, 18160), (260, 18181), (280, 18235), (295, 18274), (314, 18331), (324, 18352), (425, 18523), (430, 18541), (438, 18565), (445, 18586), (474, 18628), (504, 18709), (550, 18799), (561, 18850), (577, 18901), (578, 18904), (593, 18958), (631, 19048), (701, 19327), (702, 19336), (711, 19366),

Gene: ShowerHandel_16 Start: 14813, Stop: 16522, Start Num: 114
Candidate Starts for ShowerHandel_16:
(Start: 114 @14813 has 231 MA's), (171, 14900), (Start: 193 @14945 has 2 MA's), (202, 14969), (234, 15074), (236, 15080), (242, 15098), (259, 15128), (299, 15233), (318, 15287), (321, 15293), (325, 15302), (333, 15323), (341, 15347), (354, 15383), (356, 15389), (367, 15422), (369, 15425), (371, 15434), (378, 15449), (381, 15455), (397, 15473), (402, 15488), (404, 15494), (409, 15512), (410, 15515), (417, 15530), (424, 15545), (426, 15551), (440, 15599), (445, 15611), (446, 15617), (481, 15677), (485, 15689), (497, 15725), (500, 15737), (527, 15812), (529, 15821), (538, 15839), (540, 15845), (549, 15875), (578, 15980), (581, 15992), (592, 16028), (631, 16106), (663, 16226), (671, 16259), (679, 16289), (681, 16301), (686, 16319), (687, 16325), (688, 16328), (690, 16334), (698, 16349), (699, 16352), (702, 16373), (703, 16376), (718, 16418), (723, 16448), (732, 16490), (733, 16496),

Gene: ShrimpFriedEgg_18 Start: 14993, Stop: 16702, Start Num: 119
Candidate Starts for ShrimpFriedEgg_18:
(Start: 119 @14993 has 132 MA's), (139, 15020), (159, 15059), (Start: 193 @15125 has 2 MA's), (197, 15137), (208, 15173), (217, 15197), (225, 15224), (231, 15245), (234, 15254), (236, 15260), (252, 15293), (318, 15467), (321, 15473), (325, 15482), (329, 15491), (333, 15503), (341, 15527), (356, 15569), (367, 15602), (397, 15653), (398, 15656), (402, 15668), (417, 15710), (424, 15725), (426, 15731), (440, 15779), (460, 15833), (481, 15857), (504, 15929), (522, 15983), (527, 15992), (529, 16001), (540, 16025), (548, 16052), (549, 16055), (578, 16160), (580, 16169), (592, 16208), (632, 16289), (647, 16346), (656, 16385), (686, 16499), (698, 16529), (699, 16532), (703, 16556), (716,

16592),

Gene: ShroomBoi_16 Start: 14841, Stop: 16550, Start Num: 114
Candidate Starts for ShroomBoi_16:
(Start: 114 @14841 has 231 MA's), (171, 14928), (Start: 193 @14973 has 2 MA's), (202, 14997), (234, 15102), (236, 15108), (242, 15126), (259, 15156), (299, 15261), (321, 15321), (330, 15342), (333, 15351), (341, 15375), (397, 15501), (402, 15516), (404, 15522), (417, 15558), (418, 15561), (424, 15573), (426, 15579), (440, 15627), (445, 15639), (446, 15645), (481, 15705), (485, 15717), (497, 15753), (500, 15765), (527, 15840), (529, 15849), (538, 15867), (540, 15873), (549, 15903), (578, 16008), (580, 16017), (581, 16020), (592, 16056), (631, 16134), (656, 16233), (663, 16254), (671, 16287), (679, 16317), (686, 16347), (687, 16353), (688, 16356), (690, 16362), (698, 16377), (699, 16380), (702, 16401), (718, 16446), (723, 16476), (732, 16518), (733, 16524),

Gene: Shweta_18 Start: 14993, Stop: 16702, Start Num: 119
Candidate Starts for Shweta_18:
(Start: 119 @14993 has 132 MA's), (139, 15020), (159, 15059), (Start: 193 @15125 has 2 MA's), (197, 15137), (208, 15173), (217, 15197), (225, 15224), (231, 15245), (234, 15254), (236, 15260), (252, 15293), (318, 15467), (321, 15473), (325, 15482), (329, 15491), (333, 15503), (341, 15527), (356, 15569), (367, 15602), (397, 15653), (398, 15656), (402, 15668), (417, 15710), (424, 15725), (426, 15731), (440, 15779), (460, 15833), (481, 15857), (504, 15929), (522, 15983), (527, 15992), (529, 16001), (540, 16025), (548, 16052), (549, 16055), (578, 16160), (580, 16169), (592, 16208), (632, 16289), (647, 16346), (656, 16385), (686, 16499), (698, 16529), (699, 16532), (703, 16556), (716, 16592),

Gene: SiSi_16 Start: 14795, Stop: 16504, Start Num: 114
Candidate Starts for SiSi_16:
(Start: 114 @14795 has 231 MA's), (171, 14882), (Start: 193 @14927 has 2 MA's), (202, 14951), (219, 15008), (234, 15056), (236, 15062), (242, 15080), (259, 15110), (299, 15215), (318, 15269), (321, 15275), (325, 15284), (330, 15296), (333, 15305), (341, 15329), (354, 15365), (356, 15371), (359, 15383), (367, 15404), (369, 15407), (371, 15416), (378, 15431), (381, 15437), (397, 15455), (402, 15470), (404, 15476), (409, 15494), (410, 15497), (417, 15512), (424, 15527), (426, 15533), (435, 15563), (440, 15581), (445, 15593), (446, 15599), (481, 15659), (485, 15671), (497, 15707), (500, 15719), (507, 15740), (527, 15794), (529, 15803), (540, 15827), (549, 15857), (578, 15962), (581, 15974), (592, 16010), (622, 16049), (631, 16088), (656, 16187), (663, 16208), (671, 16241), (679, 16271), (686, 16301), (688, 16310), (690, 16316), (698, 16331), (699, 16334), (702, 16355), (703, 16358), (718, 16400), (723, 16430), (732, 16472), (733, 16478),

Gene: Sidious_19 Start: 17289, Stop: 18887, Start Num: 121
Candidate Starts for Sidious_19:
(31, 16992), (37, 17067), (38, 17088), (Start: 121 @17289 has 70 MA's), (199, 17409), (240, 17538), (247, 17547), (259, 17565), (260, 17568), (280, 17622), (333, 17766), (336, 17775), (357, 17838), (376, 17874), (378, 17877), (425, 17910), (443, 17967), (474, 18033), (521, 18144), (539, 18168), (550, 18204), (577, 18306), (593, 18363), (631, 18453), (692, 18693), (711, 18771),

Gene: Silvafighter_18 Start: 14989, Stop: 16698, Start Num: 119
Candidate Starts for Silvafighter_18:
(Start: 119 @14989 has 132 MA's), (139, 15016), (Start: 193 @15121 has 2 MA's), (197, 15133), (208, 15169), (225, 15220), (234, 15250), (236, 15256), (247, 15283), (252, 15289), (299, 15409), (318, 15463), (321, 15469), (329, 15487), (333, 15499), (334, 15502), (341, 15523), (356, 15565), (367, 15598), (397, 15649), (402, 15664), (417, 15706), (424, 15721), (426, 15727), (440, 15775), (447, 15799), (460, 15829), (481, 15853), (500, 15913), (504, 15925), (522, 15979), (527, 15988), (548, 16048), (549, 16051), (578, 16156), (580, 16165), (592, 16204), (647, 16342), (685, 16492), (686, 16495), (688, 16504), (698, 16525), (703, 16552), (716, 16588), (738, 16681),

Gene: Silvy_18 Start: 14990, Stop: 16699, Start Num: 119
Candidate Starts for Silvy_18:
(Start: 119 @14990 has 132 MA's), (139, 15017), (Start: 193 @15122 has 2 MA's), (197, 15134), (208, 15170), (225, 15221), (234, 15251), (236, 15257), (247, 15284), (252, 15290), (299, 15410), (318, 15464), (321, 15470), (329, 15488), (333, 15500), (334, 15503), (341, 15524), (356, 15566), (367, 15599), (397, 15650), (402, 15665), (417, 15707), (424, 15722), (426, 15728), (440, 15776), (447, 15800), (460, 15830), (481, 15854), (500, 15914), (504, 15926), (522, 15980), (527, 15989), (548, 16049), (549, 16052), (578, 16157), (580, 16166), (592, 16205), (647, 16343), (685, 16493), (686, 16496), (688, 16505), (698, 16526), (703, 16553), (716, 16589), (738, 16682),

Gene: Simpliphy_25 Start: 19491, Stop: 21170, Start Num: 119
Candidate Starts for Simpliphy_25:
(Start: 119 @19491 has 132 MA's), (Start: 169 @19575 has 49 MA's), (Start: 203 @19653 has 1 MA's), (231, 19740), (236, 19755), (259, 19803), (273, 19842), (305, 19929), (319, 19962), (333, 19998), (343, 20028), (345, 20034), (370, 20103), (399, 20133), (403, 20145), (404, 20148), (426, 20205), (483, 20337), (484, 20343), (505, 20409), (507, 20415), (513, 20439), (529, 20487), (540, 20511), (543, 20520), (562, 20595), (580, 20646), (585, 20661), (648, 20823), (654, 20850), (663, 20880), (689, 20985), (716, 21063), (723, 21099), (725, 21108), (732, 21141), (738, 21156),

Gene: SimranZ1_17 Start: 14664, Stop: 16373, Start Num: 114
Candidate Starts for SimranZ1_17:
(Start: 114 @14664 has 231 MA's), (171, 14751), (Start: 193 @14796 has 2 MA's), (202, 14820), (234, 14925), (236, 14931), (242, 14949), (259, 14979), (299, 15084), (321, 15144), (333, 15174), (341, 15198), (356, 15240), (367, 15273), (378, 15300), (397, 15324), (402, 15339), (404, 15345), (417, 15381), (418, 15384), (424, 15396), (426, 15402), (440, 15450), (445, 15462), (446, 15468), (481, 15528), (485, 15540), (497, 15576), (500, 15588), (507, 15609), (527, 15663), (529, 15672), (538, 15690), (540, 15696), (549, 15726), (578, 15831), (580, 15840), (581, 15843), (592, 15879), (622, 15918), (631, 15957), (656, 16056), (663, 16077), (671, 16110), (679, 16140), (686, 16170), (687, 16176), (688, 16179), (690, 16185), (698, 16200), (699, 16203), (703, 16227), (718, 16269), (732, 16341),

Gene: SirDuracell_23 Start: 18412, Stop: 20091, Start Num: 119
Candidate Starts for SirDuracell_23:
(Start: 119 @18412 has 132 MA's), (Start: 169 @18496 has 49 MA's), (Start: 203 @18574 has 1 MA's), (231, 18661), (236, 18676), (259, 18724), (273, 18763), (305, 18850), (319, 18883), (333, 18919), (343, 18949), (345, 18955), (370, 19024), (399, 19054), (403, 19066), (404, 19069), (426, 19126), (483, 19258), (484, 19264), (505, 19330), (507, 19336), (513, 19360), (529, 19408), (540, 19432), (543, 19441), (562, 19516), (580, 19567), (585, 19582), (648, 19744), (654, 19771), (663, 19801), (689, 19906), (716, 19984), (723, 20020), (725, 20029), (732, 20062), (738, 20077),

Gene: SirPhilip_22 Start: 16001, Stop: 17767, Start Num: 82
Candidate Starts for SirPhilip_22:
(Start: 64 @15962 has 1 MA's), (Start: 77 @15992 has 26 MA's), (Start: 82 @16001 has 156 MA's), (Start: 103 @16031 has 1 MA's), (128, 16058), (185, 16172), (Start: 193 @16190 has 2 MA's), (204, 16223), (215, 16253), (225, 16286), (268, 16388), (288, 16430), (313, 16511), (348, 16604), (355, 16616), (356, 16619), (382, 16655), (384, 16658), (398, 16673), (402, 16685), (404, 16691), (420, 16733), (423, 16739), (431, 16766), (443, 16802), (481, 16904), (486, 16922), (506, 16982), (516, 17012), (547, 17084), (551, 17096), (593, 17252), (617, 17303), (636, 17369), (639, 17378), (654, 17441), (657, 17453), (671, 17504), (701, 17603), (716, 17654), (734, 17741), (745, 17759),

Gene: Sixama_99 Start: 59417, Stop: 61093, Start Num: 81
Candidate Starts for Sixama_99:

(Start: 81 @59417 has 1 MA's), (101, 59450), (Start: 193 @59600 has 2 MA's), (195, 59603), (205, 59636), (216, 59666), (217, 59669), (304, 59879), (315, 59909), (333, 59951), (338, 59966), (339, 59969), (403, 60065), (416, 60101), (552, 60461), (559, 60497), (594, 60593), (603, 60611), (618, 60635), (640, 60713), (704, 60953), (732, 61067), (738, 61082),

Gene: Sizemore_18 Start: 16641, Stop: 18404, Start Num: 77
Candidate Starts for Sizemore_18:
(Start: 77 @16641 has 26 MA's), (Start: 97 @16650 has 61 MA's), (Start: 103 @16656 has 1 MA's), (111, 16662), (185, 16794), (204, 16845), (215, 16875), (222, 16899), (266, 17001), (281, 17040), (284, 17046), (290, 17061), (303, 17106), (348, 17226), (386, 17283), (404, 17322), (423, 17370), (431, 17397), (435, 17409), (458, 17490), (481, 17535), (551, 17733), (556, 17763), (561, 17781), (567, 17808), (594, 17892), (607, 17910), (614, 17925), (627, 17973), (630, 17988), (648, 18051), (663, 18108), (672, 18147), (682, 18189), (701, 18240), (725, 18336), (745, 18396),

Gene: SkinnyPete_18 Start: 14990, Stop: 16699, Start Num: 119
Candidate Starts for SkinnyPete_18:
(Start: 119 @14990 has 132 MA's), (139, 15017), (159, 15056), (Start: 193 @15122 has 2 MA's), (197, 15134), (208, 15170), (217, 15194), (225, 15221), (231, 15242), (234, 15251), (236, 15257), (252, 15290), (318, 15464), (321, 15470), (325, 15479), (329, 15488), (333, 15500), (341, 15524), (356, 15566), (367, 15599), (397, 15650), (398, 15653), (402, 15665), (417, 15707), (424, 15722), (426, 15728), (440, 15776), (460, 15830), (481, 15854), (504, 15926), (522, 15980), (527, 15989), (529, 15998), (540, 16022), (548, 16049), (549, 16052), (578, 16157), (580, 16166), (592, 16205), (632, 16286), (647, 16343), (656, 16382), (686, 16496), (698, 16526), (699, 16529), (703, 16553), (716, 16589),

Gene: Skysand_43 Start: 30914, Stop: 32536, Start Num: 109
Candidate Starts for Skysand_43:
(Start: 109 @30914 has 43 MA's), (185, 31031), (212, 31109), (280, 31271), (287, 31283), (292, 31298), (316, 31364), (324, 31379), (365, 31490), (385, 31520), (387, 31523), (417, 31580), (442, 31652), (480, 31736), (488, 31757), (531, 31844), (549, 31892), (583, 32018), (584, 32021), (593, 32054), (629, 32111), (663, 32240), (672, 32279), (703, 32384), (721, 32447), (723, 32459), (726, 32471), (727, 32480), (738, 32516),

Gene: Slarp_24 Start: 18633, Stop: 20420, Start Num: 82
Candidate Starts for Slarp_24:
(Start: 64 @18594 has 1 MA's), (Start: 77 @18624 has 26 MA's), (Start: 80 @18630 has 43 MA's), (Start: 82 @18633 has 156 MA's), (135, 18690), (160, 18738), (177, 18777), (185, 18792), (Start: 193 @18810 has 2 MA's), (204, 18843), (215, 18873), (229, 18918), (236, 18936), (268, 19008), (269, 19014), (284, 19044), (305, 19110), (309, 19122), (369, 19257), (402, 19305), (404, 19311), (409, 19329), (423, 19359), (435, 19398), (481, 19524), (500, 19584), (501, 19587), (507, 19605), (512, 19620), (561, 19788), (578, 19842), (591, 19887), (609, 19932), (617, 19956), (627, 19989), (636, 20022), (654, 20094), (657, 20106), (671, 20157), (672, 20163), (702, 20265), (733, 20391), (745, 20412),

Gene: Sleepyhead_18 Start: 15726, Stop: 17306, Start Num: 131
Candidate Starts for Sleepyhead_18:
(Start: 131 @15726 has 1 MA's), (177, 15813), (204, 15879), (262, 16026), (269, 16041), (299, 16119), (307, 16146), (442, 16431), (447, 16452), (504, 16581), (506, 16587), (534, 16647), (545, 16674), (546, 16677), (556, 16710), (559, 16722), (566, 16752), (578, 16782), (584, 16803), (594, 16818), (640, 16938), (672, 17058), (674, 17070),

Gene: Slim_17 Start: 14596, Stop: 16305, Start Num: 114
Candidate Starts for Slim_17:

(Start: 114 @14596 has 231 MA's), (171, 14683), (Start: 193 @14728 has 2 MA's), (202, 14752), (234, 14857), (236, 14863), (242, 14881), (259, 14911), (299, 15016), (321, 15076), (329, 15094), (330, 15097), (333, 15106), (341, 15130), (397, 15256), (402, 15271), (404, 15277), (417, 15313), (418, 15316), (424, 15328), (426, 15334), (440, 15382), (445, 15394), (446, 15400), (481, 15460), (485, 15472), (497, 15508), (500, 15520), (527, 15595), (529, 15604), (538, 15622), (540, 15628), (549, 15658), (578, 15763), (581, 15775), (592, 15811), (631, 15889), (663, 16009), (671, 16042), (679, 16072), (681, 16084), (686, 16102), (687, 16108), (688, 16111), (690, 16117), (698, 16132), (699, 16135), (702, 16156), (703, 16159), (718, 16201), (723, 16231), (732, 16273), (733, 16279),

Gene: Slimphazie_23 Start: 17155, Stop: 18921, Start Num: 82
Candidate Starts for Slimphazie_23:
(Start: 82 @17155 has 156 MA's), (Start: 103 @17185 has 1 MA's), (Start: 193 @17344 has 2 MA's), (204, 17377), (215, 17407), (225, 17440), (229, 17452), (268, 17542), (288, 17584), (309, 17656), (313, 17665), (330, 17704), (345, 17749), (355, 17770), (356, 17773), (398, 17827), (404, 17845), (420, 17887), (423, 17893), (431, 17920), (481, 18058), (486, 18076), (500, 18118), (506, 18136), (516, 18166), (529, 18193), (561, 18298), (617, 18457), (628, 18493), (636, 18523), (639, 18532), (657, 18607), (671, 18658), (701, 18757), (725, 18853), (733, 18892), (734, 18895), (745, 18913),

Gene: Smooch_59 Start: 35189, Stop: 36925, Start Num: 94
Candidate Starts for Smooch_59:
(Start: 89 @35180 has 2 MA's), (Start: 94 @35189 has 30 MA's), (Start: 156 @35279 has 1 MA's), (207, 35396), (219, 35432), (226, 35453), (234, 35480), (236, 35486), (249, 35516), (261, 35540), (283, 35591), (333, 35729), (335, 35735), (352, 35786), (354, 35789), (359, 35807), (397, 35858), (404, 35879), (405, 35882), (424, 35930), (426, 35936), (440, 35984), (443, 35990), (445, 35996), (471, 36056), (481, 36080), (483, 36083), (497, 36128), (501, 36143), (504, 36152), (507, 36161), (522, 36206), (529, 36224), (543, 36257), (581, 36395), (587, 36416), (593, 36437), (625, 36482), (632, 36512), (646, 36566), (656, 36608), (663, 36629), (667, 36650), (671, 36662), (676, 36683), (690, 36737), (716, 36815), (723, 36851), (727, 36872), (733, 36899),

Gene: Smoothie_49 Start: 29612, Stop: 31303, Start Num: 104
Candidate Starts for Smoothie_49:
(Start: 104 @29612 has 17 MA's), (146, 29672), (165, 29705), (177, 29735), (179, 29738), (236, 29897), (239, 29906), (300, 30035), (317, 30083), (426, 30296), (427, 30302), (435, 30326), (490, 30455), (497, 30476), (507, 30509), (562, 30707), (629, 30860), (654, 30959), (657, 30971), (660, 30980), (681, 31064), (724, 31211), (731, 31247),

Gene: Smurph_18 Start: 14989, Stop: 16698, Start Num: 119
Candidate Starts for Smurph_18:
(Start: 119 @14989 has 132 MA's), (139, 15016), (Start: 193 @15121 has 2 MA's), (197, 15133), (208, 15169), (225, 15220), (234, 15250), (236, 15256), (247, 15283), (252, 15289), (299, 15409), (318, 15463), (321, 15469), (329, 15487), (333, 15499), (334, 15502), (341, 15523), (356, 15565), (367, 15598), (397, 15649), (402, 15664), (417, 15706), (424, 15721), (426, 15727), (440, 15775), (447, 15799), (460, 15829), (481, 15853), (500, 15913), (504, 15925), (522, 15979), (527, 15988), (548, 16048), (549, 16051), (578, 16156), (580, 16165), (592, 16204), (647, 16342), (685, 16492), (686, 16495), (688, 16504), (698, 16525), (703, 16552), (716, 16588), (738, 16681),

Gene: Sneeze_18 Start: 16647, Stop: 18410, Start Num: 77
Candidate Starts for Sneeze_18:
(Start: 77 @16647 has 26 MA's), (Start: 97 @16656 has 61 MA's), (Start: 103 @16662 has 1 MA's), (111, 16668), (160, 16746), (185, 16800), (204, 16851), (215, 16881), (222, 16905), (266, 17007), (281, 17046), (284, 17052), (290, 17067), (348, 17232), (386, 17289), (404, 17328), (420, 17370), (423, 17376), (435, 17415), (472, 17514), (481, 17541), (551, 17739), (556, 17769), (561, 17787), (567, 17814), (594, 17898), (607, 17916), (614, 17931), (627, 17979), (630, 17994), (648, 18057),

(653, 18081), (663, 18114), (672, 18153), (682, 18195), (725, 18342), (745, 18402),

Gene: Snekmaggedon_18 Start: 14993, Stop: 16702, Start Num: 119
Candidate Starts for Snekmaggedon_18:
(Start: 119 @14993 has 132 MA's), (139, 15020), (159, 15059), (Start: 193 @15125 has 2 MA's), (197, 15137), (208, 15173), (217, 15197), (225, 15224), (231, 15245), (234, 15254), (236, 15260), (252, 15293), (318, 15467), (321, 15473), (325, 15482), (329, 15491), (333, 15503), (341, 15527), (356, 15569), (367, 15602), (397, 15653), (398, 15656), (402, 15668), (417, 15710), (424, 15725), (426, 15731), (440, 15779), (460, 15833), (481, 15857), (504, 15929), (522, 15983), (527, 15992), (529, 16001), (540, 16025), (548, 16052), (549, 16055), (578, 16160), (580, 16169), (592, 16208), (632, 16289), (647, 16346), (656, 16385), (686, 16499), (698, 16529), (699, 16532), (703, 16556), (716, 16592),

Gene: SoSeph_21 Start: 17643, Stop: 19415, Start Num: 87
Candidate Starts for SoSeph_21:
(Start: 87 @17643 has 18 MA's), (Start: 89 @17649 has 2 MA's), (106, 17673), (135, 17706), (160, 17754), (185, 17808), (204, 17859), (225, 17922), (269, 18030), (309, 18138), (355, 18252), (356, 18255), (384, 18294), (398, 18309), (402, 18321), (404, 18327), (417, 18363), (420, 18369), (423, 18375), (435, 18414), (443, 18438), (481, 18540), (501, 18603), (514, 18648), (561, 18783), (591, 18882), (621, 18960), (627, 18984), (632, 19005), (638, 19023), (657, 19101), (659, 19107), (702, 19260), (728, 19365), (729, 19368), (733, 19386),

Gene: SoilAssassin_17 Start: 14751, Stop: 16460, Start Num: 123
Candidate Starts for SoilAssassin_17:
(51, 14616), (Start: 123 @14751 has 61 MA's), (210, 14940), (211, 14943), (236, 15018), (264, 15072), (292, 15141), (295, 15153), (324, 15231), (326, 15234), (376, 15366), (395, 15420), (410, 15471), (424, 15501), (443, 15561), (446, 15573), (474, 15609), (531, 15726), (539, 15744), (551, 15783), (577, 15879), (622, 15987), (691, 16263), (692, 16266), (702, 16314), (711, 16344),

Gene: Soilmate_19 Start: 16617, Stop: 18263, Start Num: 150
Candidate Starts for Soilmate_19:
(Start: 130 @16581 has 17 MA's), (Start: 150 @16617 has 49 MA's), (199, 16719), (223, 16797), (224, 16800), (264, 16896), (278, 16935), (306, 17016), (329, 17070), (334, 17085), (426, 17256), (435, 17286), (507, 17469), (513, 17493), (534, 17544), (562, 17637), (566, 17649), (582, 17694), (586, 17709), (628, 17841), (629, 17844), (654, 17943), (659, 17961), (672, 18012), (690, 18072), (692, 18078), (709, 18141), (714, 18153),

Gene: Sonah_19 Start: 16375, Stop: 18111, Start Num: 107
Candidate Starts for Sonah_19:
(Start: 90 @16351 has 2 MA's), (Start: 107 @16375 has 54 MA's), (148, 16435), (159, 16456), (161, 16459), (211, 16579), (225, 16618), (235, 16651), (244, 16675), (294, 16795), (305, 16834), (307, 16840), (339, 16924), (341, 16930), (345, 16942), (354, 16966), (362, 16993), (370, 17011), (396, 17050), (397, 17056), (405, 17080), (426, 17134), (429, 17146), (432, 17155), (450, 17215), (487, 17293), (500, 17332), (511, 17365), (529, 17431), (537, 17446), (540, 17455), (547, 17479), (555, 17509), (559, 17521), (590, 17623), (593, 17635), (594, 17638), (596, 17644), (616, 17653), (646, 17761), (667, 17845), (693, 17944), (725, 18052), (738, 18100),

Gene: SophKB_24 Start: 19745, Stop: 21424, Start Num: 119
Candidate Starts for SophKB_24:
(Start: 119 @19745 has 132 MA's), (Start: 169 @19829 has 49 MA's), (Start: 203 @19907 has 1 MA's), (231, 19994), (236, 20009), (259, 20057), (273, 20096), (305, 20183), (319, 20216), (333, 20252), (343, 20282), (345, 20288), (370, 20357), (399, 20387), (403, 20399), (404, 20402), (426, 20459), (483, 20591), (484, 20597), (505, 20663), (507, 20669), (513, 20693), (529, 20741), (540,

20765), (543, 20774), (562, 20849), (580, 20900), (585, 20915), (648, 21077), (654, 21104), (663, 21134), (689, 21239), (716, 21317), (723, 21353), (725, 21362), (732, 21395), (738, 21410),

Gene: Sotrice96_24 Start: 19701, Stop: 21380, Start Num: 119
Candidate Starts for Sotrice96_24:
(Start: 119 @19701 has 132 MA's), (Start: 169 @19785 has 49 MA's), (Start: 203 @19863 has 1 MA's), (231, 19950), (236, 19965), (259, 20013), (273, 20052), (305, 20139), (319, 20172), (333, 20208), (343, 20238), (345, 20244), (370, 20313), (399, 20343), (403, 20355), (404, 20358), (426, 20415), (483, 20547), (484, 20553), (505, 20619), (507, 20625), (513, 20649), (529, 20697), (540, 20721), (543, 20730), (562, 20805), (580, 20856), (585, 20871), (648, 21033), (654, 21060), (663, 21090), (689, 21195), (716, 21273), (723, 21309), (725, 21318), (732, 21351), (738, 21366),

Gene: Sparkdehlily_16 Start: 14836, Stop: 16545, Start Num: 114
Candidate Starts for Sparkdehlily_16:
(Start: 114 @14836 has 231 MA's), (171, 14923), (Start: 193 @14968 has 2 MA's), (202, 14992), (219, 15049), (234, 15097), (236, 15103), (242, 15121), (259, 15151), (299, 15256), (318, 15310), (321, 15316), (325, 15325), (333, 15346), (341, 15370), (354, 15406), (356, 15412), (367, 15445), (369, 15448), (371, 15457), (378, 15472), (381, 15478), (397, 15496), (402, 15511), (404, 15517), (409, 15535), (410, 15538), (417, 15553), (424, 15568), (426, 15574), (440, 15622), (445, 15634), (446, 15640), (481, 15700), (485, 15712), (497, 15748), (500, 15760), (527, 15835), (529, 15844), (538, 15862), (540, 15868), (549, 15898), (578, 16003), (581, 16015), (592, 16051), (631, 16129), (663, 16249), (671, 16282), (679, 16312), (681, 16324), (686, 16342), (687, 16348), (688, 16351), (690, 16357), (698, 16372), (699, 16375), (702, 16396), (703, 16399), (718, 16441), (723, 16471), (732, 16513), (733, 16519),

Gene: SpeedDemon_320 Start: 28963, Stop: 30726, Start Num: 107
Candidate Starts for SpeedDemon_320:
(46, 28831), (48, 28837), (Start: 107 @28963 has 54 MA's), (146, 29020), (212, 29173), (238, 29248), (300, 29380), (317, 29428), (348, 29512), (404, 29674), (405, 29677), (422, 29719), (426, 29731), (427, 29737), (446, 29797), (447, 29803), (500, 29923), (511, 29956), (526, 30004), (562, 30130), (585, 30196), (654, 30382), (657, 30394), (677, 30472), (696, 30526), (746, 30718),

Gene: Spikelee_17 Start: 14630, Stop: 16339, Start Num: 114
Candidate Starts for Spikelee_17:
(Start: 114 @14630 has 231 MA's), (171, 14717), (Start: 193 @14762 has 2 MA's), (202, 14786), (234, 14891), (236, 14897), (242, 14915), (259, 14945), (299, 15050), (318, 15104), (321, 15110), (325, 15119), (333, 15140), (341, 15164), (354, 15200), (356, 15206), (367, 15239), (369, 15242), (371, 15251), (378, 15266), (381, 15272), (397, 15290), (402, 15305), (404, 15311), (409, 15329), (410, 15332), (417, 15347), (424, 15362), (426, 15368), (440, 15416), (445, 15428), (446, 15434), (481, 15494), (485, 15506), (497, 15542), (500, 15554), (527, 15629), (529, 15638), (538, 15656), (540, 15662), (549, 15692), (578, 15797), (581, 15809), (592, 15845), (631, 15923), (663, 16043), (671, 16076), (679, 16106), (681, 16118), (686, 16136), (687, 16142), (688, 16145), (690, 16151), (698, 16166), (699, 16169), (702, 16190), (703, 16193), (718, 16235), (723, 16265), (732, 16307), (733, 16313),

Gene: Spinach_18 Start: 14993, Stop: 16702, Start Num: 119
Candidate Starts for Spinach_18:
(Start: 119 @14993 has 132 MA's), (139, 15020), (159, 15059), (Start: 193 @15125 has 2 MA's), (197, 15137), (208, 15173), (217, 15197), (225, 15224), (231, 15245), (234, 15254), (236, 15260), (252, 15293), (318, 15467), (321, 15473), (325, 15482), (329, 15491), (333, 15503), (341, 15527), (356, 15569), (367, 15602), (397, 15653), (398, 15656), (402, 15668), (417, 15710), (424, 15725), (426, 15731), (440, 15779), (460, 15833), (481, 15857), (504, 15929), (522, 15983), (527, 15992), (529, 16001), (540, 16025), (548, 16052), (549, 16055), (578, 16160), (580, 16169), (592, 16208), (632,

16289), (647, 16346), (656, 16385), (686, 16499), (698, 16529), (699, 16532), (703, 16556), (716, 16592),

Gene: Splinter_22 Start: 16480, Stop: 17808, Start Num: 209
Candidate Starts for Splinter_22:
(Start: 209 @16480 has 11 MA's), (217, 16495), (275, 16639), (294, 16684), (307, 16729), (316, 16753), (329, 16783), (336, 16804), (339, 16813), (347, 16837), (350, 16846), (369, 16897), (382, 16909), (448, 17002), (451, 17011), (462, 17020), (490, 17065), (498, 17083), (550, 17176), (559, 17221), (580, 17290), (589, 17311), (629, 17392), (638, 17425), (663, 17512), (672, 17548), (675, 17563), (678, 17572), (692, 17614), (701, 17653), (717, 17707), (720, 17725), (732, 17782), (735, 17791),

Gene: Spock_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Spock_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: SpongeBob_18 Start: 14993, Stop: 16702, Start Num: 119
Candidate Starts for SpongeBob_18:
(Start: 119 @14993 has 132 MA's), (139, 15020), (159, 15059), (Start: 193 @15125 has 2 MA's), (197, 15137), (208, 15173), (217, 15197), (225, 15224), (231, 15245), (234, 15254), (236, 15260), (252, 15293), (318, 15467), (321, 15473), (325, 15482), (329, 15491), (333, 15503), (341, 15527), (356, 15569), (367, 15602), (397, 15653), (398, 15656), (402, 15668), (417, 15710), (424, 15725), (426, 15731), (440, 15779), (460, 15833), (481, 15857), (504, 15929), (522, 15983), (527, 15992), (529, 16001), (540, 16025), (548, 16052), (549, 16055), (578, 16160), (580, 16169), (592, 16208), (632, 16289), (647, 16346), (656, 16385), (686, 16499), (698, 16529), (699, 16532), (703, 16556), (716, 16592),

Gene: Spoonbill_16 Start: 14813, Stop: 16522, Start Num: 114
Candidate Starts for Spoonbill_16:
(Start: 114 @14813 has 231 MA's), (171, 14900), (Start: 193 @14945 has 2 MA's), (202, 14969), (234, 15074), (236, 15080), (242, 15098), (259, 15128), (299, 15233), (321, 15293), (330, 15314), (333, 15323), (341, 15347), (367, 15422), (369, 15425), (397, 15473), (402, 15488), (404, 15494), (417, 15530), (418, 15533), (424, 15545), (426, 15551), (440, 15599), (445, 15611), (446, 15617), (481, 15677), (485, 15689), (497, 15725), (500, 15737), (527, 15812), (529, 15821), (538, 15839), (540, 15845), (549, 15875), (578, 15980), (581, 15992), (592, 16028), (631, 16106), (663, 16226), (671, 16259), (679, 16289), (686, 16319), (688, 16328), (690, 16334), (698, 16349), (699, 16352), (703, 16376), (714, 16406), (718, 16418), (723, 16448), (732, 16490),

Gene: Sprinklemunch_18 Start: 16081, Stop: 17787, Start Num: 130
Candidate Starts for Sprinklemunch_18:
(105, 16057), (Start: 130 @16081 has 17 MA's), (Start: 138 @16093 has 2 MA's), (144, 16108), (212, 16267), (227, 16309), (230, 16321), (237, 16342), (309, 16528), (379, 16669), (402, 16699), (405, 16708), (406, 16714), (464, 16876), (516, 17023), (543, 17086), (544, 17089), (557, 17152), (559, 17155), (567, 17188), (568, 17191), (629, 17362), (654, 17461), (672, 17530), (688, 17584), (701, 17623), (745, 17779),

Gene: Sproutie_17 Start: 14758, Stop: 16467, Start Num: 123
Candidate Starts for Sproutie_17:

(Start: 123 @14758 has 61 MA's), (186, 14875), (236, 15025), (259, 15064), (264, 15079), (292, 15148), (295, 15160), (324, 15238), (326, 15241), (376, 15373), (395, 15427), (424, 15508), (443, 15568), (445, 15574), (446, 15580), (492, 15661), (504, 15697), (531, 15733), (539, 15751), (551, 15790), (567, 15862), (577, 15886), (654, 16120), (658, 16135), (669, 16177), (691, 16270), (692, 16273), (702, 16321), (711, 16351),

Gene: Squint_33 Start: 25007, Stop: 26740, Start Num: 113
Candidate Starts for Squint_33:
(Start: 113 @25007 has 31 MA's), (Start: 169 @25097 has 49 MA's), (171, 25100), (202, 25175), (Start: 209 @25202 has 11 MA's), (231, 25268), (244, 25304), (260, 25334), (266, 25349), (296, 25433), (307, 25469), (319, 25496), (334, 25535), (345, 25568), (348, 25577), (369, 25634), (386, 25676), (422, 25751), (426, 25763), (445, 25823), (470, 25877), (483, 25907), (487, 25925), (491, 25934), (501, 25967), (505, 25979), (507, 25985), (520, 26024), (540, 26081), (585, 26231), (590, 26249), (621, 26291), (627, 26315), (628, 26318), (631, 26333), (640, 26363), (648, 26393), (663, 26450), (705, 26600), (734, 26720), (738, 26726),

Gene: Squirty_17 Start: 14712, Stop: 16421, Start Num: 114
Candidate Starts for Squirty_17:
(Start: 114 @14712 has 231 MA's), (171, 14799), (Start: 193 @14844 has 2 MA's), (202, 14868), (234, 14973), (236, 14979), (242, 14997), (259, 15027), (299, 15132), (321, 15192), (330, 15213), (333, 15222), (341, 15246), (397, 15372), (402, 15387), (404, 15393), (417, 15429), (424, 15444), (426, 15450), (440, 15498), (445, 15510), (446, 15516), (481, 15576), (485, 15588), (497, 15624), (500, 15636), (527, 15711), (529, 15720), (538, 15738), (540, 15744), (549, 15774), (578, 15879), (580, 15888), (581, 15891), (592, 15927), (631, 16005), (656, 16104), (663, 16125), (671, 16158), (679, 16188), (686, 16218), (688, 16227), (690, 16233), (698, 16248), (699, 16251), (702, 16272), (703, 16275), (714, 16305), (718, 16317), (732, 16389),

Gene: StAnnes_16 Start: 14854, Stop: 16563, Start Num: 114
Candidate Starts for StAnnes_16:
(Start: 114 @14854 has 231 MA's), (171, 14941), (Start: 193 @14986 has 2 MA's), (202, 15010), (234, 15115), (236, 15121), (242, 15139), (259, 15169), (299, 15274), (321, 15334), (330, 15355), (333, 15364), (341, 15388), (397, 15514), (402, 15529), (404, 15535), (417, 15571), (418, 15574), (424, 15586), (426, 15592), (440, 15640), (445, 15652), (446, 15658), (481, 15718), (485, 15730), (497, 15766), (500, 15778), (527, 15853), (529, 15862), (538, 15880), (540, 15886), (549, 15916), (578, 16021), (580, 16030), (581, 16033), (592, 16069), (631, 16147), (656, 16246), (663, 16267), (671, 16300), (679, 16330), (686, 16360), (688, 16369), (690, 16375), (698, 16390), (699, 16393), (703, 16417), (714, 16447), (718, 16459), (723, 16489), (732, 16531),

Gene: Stank_27 Start: 20336, Stop: 21931, Start Num: 169
Candidate Starts for Stank_27:
(Start: 119 @20252 has 132 MA's), (Start: 169 @20336 has 49 MA's), (Start: 203 @20414 has 1 MA's), (231, 20501), (236, 20516), (259, 20564), (273, 20603), (305, 20690), (319, 20723), (333, 20759), (343, 20789), (345, 20795), (370, 20864), (399, 20894), (403, 20906), (404, 20909), (426, 20966), (483, 21098), (484, 21104), (505, 21170), (507, 21176), (513, 21200), (529, 21248), (540, 21272), (543, 21281), (562, 21356), (580, 21407), (585, 21422), (648, 21584), (654, 21611), (663, 21641), (689, 21746), (716, 21824), (723, 21860), (725, 21869), (732, 21902), (738, 21917),

Gene: Stap_17 Start: 14836, Stop: 16545, Start Num: 114
Candidate Starts for Stap_17:
(Start: 114 @14836 has 231 MA's), (171, 14923), (Start: 193 @14968 has 2 MA's), (202, 14992), (234, 15097), (236, 15103), (242, 15121), (259, 15151), (299, 15256), (321, 15316), (330, 15337), (333, 15346), (341, 15370), (367, 15445), (397, 15496), (402, 15511), (404, 15517), (417, 15553), (418, 15556), (424, 15568), (426, 15574), (440, 15622), (445, 15634), (446, 15640), (481, 15700), (485,

15712), (497, 15748), (500, 15760), (527, 15835), (529, 15844), (538, 15862), (540, 15868), (549, 15898), (578, 16003), (581, 16015), (592, 16051), (631, 16129), (656, 16228), (663, 16249), (671, 16282), (679, 16312), (686, 16342), (687, 16348), (688, 16351), (690, 16357), (698, 16372), (699, 16375), (702, 16396), (703, 16399), (718, 16441), (732, 16513), (733, 16519),

Gene: StarStruck_42 Start: 30437, Stop: 32053, Start Num: 109
Candidate Starts for StarStruck_42:
(Start: 109 @30437 has 43 MA's), (185, 30551), (292, 30818), (316, 30884), (324, 30899), (332, 30923), (333, 30926), (365, 31010), (385, 31040), (391, 31058), (415, 31091), (417, 31100), (425, 31118), (434, 31148), (442, 31172), (480, 31256), (488, 31277), (505, 31325), (531, 31364), (549, 31412), (583, 31538), (593, 31574), (643, 31685), (663, 31760), (714, 31937), (723, 31979), (738, 32036),

Gene: Starcevich_17 Start: 14598, Stop: 16307, Start Num: 114
Candidate Starts for Starcevich_17:
(Start: 114 @14598 has 231 MA's), (171, 14685), (Start: 193 @14730 has 2 MA's), (202, 14754), (234, 14859), (236, 14865), (242, 14883), (259, 14913), (299, 15018), (321, 15078), (329, 15096), (330, 15099), (333, 15108), (341, 15132), (397, 15258), (402, 15273), (404, 15279), (417, 15315), (418, 15318), (424, 15330), (426, 15336), (440, 15384), (445, 15396), (446, 15402), (481, 15462), (485, 15474), (497, 15510), (500, 15522), (527, 15597), (529, 15606), (538, 15624), (540, 15630), (549, 15660), (578, 15765), (581, 15777), (592, 15813), (631, 15891), (663, 16011), (671, 16044), (679, 16074), (681, 16086), (686, 16104), (687, 16110), (688, 16113), (690, 16119), (698, 16134), (699, 16137), (702, 16158), (703, 16161), (718, 16203), (723, 16233), (732, 16275), (733, 16281),

Gene: Stargaze_18 Start: 16978, Stop: 18702, Start Num: 97
Candidate Starts for Stargaze_18:
(Start: 97 @16978 has 61 MA's), (179, 17098), (204, 17161), (215, 17191), (240, 17266), (266, 17317), (268, 17326), (269, 17332), (284, 17362), (288, 17368), (303, 17422), (329, 17485), (348, 17542), (404, 17638), (406, 17647), (423, 17686), (435, 17725), (446, 17761), (551, 18043), (561, 18091), (567, 18118), (580, 18154), (607, 18208), (663, 18406), (668, 18430), (671, 18439), (682, 18487), (725, 18634), (734, 18676), (736, 18679),

Gene: Stark_25 Start: 19504, Stop: 21183, Start Num: 119
Candidate Starts for Stark_25:
(Start: 119 @19504 has 132 MA's), (Start: 169 @19588 has 49 MA's), (Start: 203 @19666 has 1 MA's), (231, 19753), (236, 19768), (259, 19816), (273, 19855), (305, 19942), (319, 19975), (333, 20011), (343, 20041), (345, 20047), (370, 20116), (399, 20146), (403, 20158), (404, 20161), (426, 20218), (483, 20350), (484, 20356), (505, 20422), (507, 20428), (513, 20452), (529, 20500), (540, 20524), (543, 20533), (562, 20608), (580, 20659), (585, 20674), (648, 20836), (654, 20863), (663, 20893), (689, 20998), (716, 21076), (723, 21112), (725, 21121), (732, 21154), (738, 21169),

Gene: StellaBean_24 Start: 19745, Stop: 21424, Start Num: 119
Candidate Starts for StellaBean_24:
(Start: 119 @19745 has 132 MA's), (Start: 169 @19829 has 49 MA's), (Start: 203 @19907 has 1 MA's), (231, 19994), (236, 20009), (259, 20057), (273, 20096), (305, 20183), (319, 20216), (333, 20252), (343, 20282), (345, 20288), (370, 20357), (399, 20387), (403, 20399), (404, 20402), (426, 20459), (483, 20591), (484, 20597), (505, 20663), (507, 20669), (513, 20693), (529, 20741), (540, 20765), (543, 20774), (562, 20849), (580, 20900), (585, 20915), (648, 21077), (654, 21104), (663, 21134), (689, 21239), (716, 21317), (723, 21353), (725, 21362), (732, 21395), (738, 21410),

Gene: Stellammi_16 Start: 14170, Stop: 16032, Start Num: 75
Candidate Starts for Stellammi_16:

(52, 14113), (74, 14167), (Start: 75 @14170 has 1 MA's), (88, 14191), (93, 14200), (152, 14278), (177, 14335), (185, 14350), (200, 14389), (205, 14404), (212, 14428), (215, 14431), (245, 14515), (299, 14647), (315, 14695), (319, 14701), (320, 14704), (332, 14734), (333, 14737), (369, 14815), (376, 14821), (409, 14887), (428, 14935), (436, 14959), (454, 15031), (455, 15037), (456, 15043), (467, 15070), (468, 15073), (479, 15145), (484, 15157), (514, 15256), (542, 15322), (550, 15349), (551, 15352), (561, 15400), (567, 15427), (588, 15490), (591, 15499), (593, 15508), (605, 15523), (625, 15586), (640, 15643), (654, 15703), (657, 15715), (672, 15772), (680, 15805), (688, 15829), (692, 15841), (696, 15850), (701, 15868), (711, 15907), (716, 15919), (726, 15967), (727, 15976), (731, 15994), (745, 16024),

Gene: StevieRay_19 Start: 16376, Stop: 18112, Start Num: 107
Candidate Starts for StevieRay_19:
(Start: 90 @16352 has 2 MA's), (Start: 107 @16376 has 54 MA's), (148, 16436), (159, 16457), (161, 16460), (211, 16580), (225, 16619), (235, 16652), (244, 16676), (294, 16796), (305, 16835), (307, 16841), (339, 16925), (341, 16931), (345, 16943), (354, 16967), (362, 16994), (370, 17012), (396, 17051), (397, 17057), (405, 17081), (426, 17135), (429, 17147), (432, 17156), (450, 17216), (487, 17294), (500, 17333), (511, 17366), (529, 17432), (537, 17447), (540, 17456), (547, 17480), (555, 17510), (559, 17522), (590, 17624), (593, 17636), (594, 17639), (596, 17645), (616, 17654), (646, 17762), (667, 17846), (693, 17945), (725, 18053), (738, 18101),

Gene: Stickynote_33 Start: 28749, Stop: 30347, Start Num: 117
Candidate Starts for Stickynote_33:
(Start: 117 @28749 has 8 MA's), (212, 28917), (226, 28956), (278, 29091), (301, 29151), (368, 29304), (379, 29316), (383, 29325), (385, 29328), (411, 29373), (417, 29388), (422, 29397), (442, 29460), (447, 29478), (476, 29532), (559, 29748), (587, 29841), (637, 29949), (650, 30003), (670, 30078), (704, 30207), (737, 30333),

Gene: Stinson_23 Start: 17121, Stop: 18887, Start Num: 82
Candidate Starts for Stinson_23:
(Start: 82 @17121 has 156 MA's), (Start: 103 @17151 has 1 MA's), (Start: 193 @17310 has 2 MA's), (204, 17343), (215, 17373), (225, 17406), (229, 17418), (268, 17508), (284, 17544), (288, 17550), (309, 17622), (313, 17631), (330, 17670), (345, 17715), (355, 17736), (356, 17739), (404, 17811), (420, 17853), (423, 17859), (431, 17886), (443, 17922), (458, 17979), (481, 18024), (486, 18042), (506, 18102), (516, 18132), (529, 18159), (561, 18264), (588, 18354), (617, 18423), (628, 18459), (636, 18489), (639, 18498), (657, 18573), (671, 18624), (701, 18723), (716, 18774), (733, 18858), (734, 18861), (745, 18879),

Gene: StolenFromERC_26 Start: 19736, Stop: 21415, Start Num: 119
Candidate Starts for StolenFromERC_26:
(Start: 119 @19736 has 132 MA's), (Start: 169 @19820 has 49 MA's), (Start: 203 @19898 has 1 MA's), (231, 19985), (236, 20000), (259, 20048), (273, 20087), (305, 20174), (319, 20207), (333, 20243), (343, 20273), (345, 20279), (370, 20348), (399, 20378), (403, 20390), (404, 20393), (426, 20450), (483, 20582), (484, 20588), (505, 20654), (507, 20660), (513, 20684), (529, 20732), (540, 20756), (543, 20765), (562, 20840), (580, 20891), (585, 20906), (648, 21068), (654, 21095), (663, 21125), (689, 21230), (716, 21308), (723, 21344), (725, 21353), (732, 21386), (738, 21401),

Gene: StormChicken_24 Start: 20004, Stop: 21599, Start Num: 169
Candidate Starts for StormChicken_24:
(Start: 119 @19920 has 132 MA's), (Start: 169 @20004 has 49 MA's), (Start: 203 @20082 has 1 MA's), (231, 20169), (236, 20184), (259, 20232), (273, 20271), (305, 20358), (319, 20391), (333, 20427), (343, 20457), (345, 20463), (370, 20532), (399, 20562), (403, 20574), (404, 20577), (426, 20634), (483, 20766), (484, 20772), (505, 20838), (507, 20844), (513, 20868), (529, 20916), (540, 20940), (543, 20949), (562, 21024), (580, 21075), (585, 21090), (648, 21252), (654, 21279), (663,

21309), (689, 21414), (716, 21492), (723, 21528), (725, 21537), (732, 21570), (738, 21585),

Gene: StressBall_19 Start: 16273, Stop: 18009, Start Num: 107
Candidate Starts for StressBall_19:
(Start: 90 @16249 has 2 MA's), (Start: 107 @16273 has 54 MA's), (148, 16333), (159, 16354), (161, 16357), (211, 16477), (225, 16516), (235, 16549), (244, 16573), (294, 16693), (305, 16732), (307, 16738), (339, 16822), (341, 16828), (345, 16840), (354, 16864), (362, 16891), (370, 16909), (396, 16948), (397, 16954), (405, 16978), (426, 17032), (429, 17044), (432, 17053), (450, 17113), (487, 17191), (500, 17230), (511, 17263), (529, 17329), (540, 17353), (547, 17377), (555, 17407), (590, 17521), (593, 17533), (596, 17542), (616, 17551), (646, 17659), (667, 17743), (693, 17842), (725, 17950), (738, 17998),

Gene: Strobilo_19 Start: 15016, Stop: 16785, Start Num: 80
Candidate Starts for Strobilo_19:
(Start: 64 @14980 has 1 MA's), (Start: 77 @15010 has 26 MA's), (Start: 80 @15016 has 43 MA's), (Start: 97 @15031 has 61 MA's), (135, 15073), (160, 15121), (177, 15160), (185, 15175), (204, 15226), (215, 15256), (225, 15289), (229, 15301), (236, 15319), (268, 15391), (269, 15397), (305, 15493), (309, 15505), (348, 15607), (356, 15622), (382, 15658), (404, 15694), (423, 15742), (435, 15781), (443, 15805), (446, 15817), (481, 15907), (484, 15916), (550, 16111), (561, 16162), (578, 16216), (593, 16270), (636, 16384), (639, 16393), (657, 16468), (671, 16519), (672, 16525), (701, 16621), (717, 16675), (733, 16756), (745, 16777),

Gene: Strokeseat_16 Start: 14904, Stop: 16613, Start Num: 114
Candidate Starts for Strokeseat_16:
(Start: 114 @14904 has 231 MA's), (171, 14991), (Start: 193 @15036 has 2 MA's), (202, 15060), (234, 15165), (236, 15171), (242, 15189), (259, 15219), (299, 15324), (321, 15384), (330, 15405), (333, 15414), (341, 15438), (397, 15564), (402, 15579), (404, 15585), (417, 15621), (418, 15624), (424, 15636), (426, 15642), (440, 15690), (445, 15702), (446, 15708), (481, 15768), (485, 15780), (497, 15816), (500, 15828), (527, 15903), (529, 15912), (538, 15930), (540, 15936), (549, 15966), (578, 16071), (580, 16080), (581, 16083), (592, 16119), (631, 16197), (656, 16296), (663, 16317), (671, 16350), (679, 16380), (686, 16410), (688, 16419), (690, 16425), (698, 16440), (699, 16443), (703, 16467), (714, 16497), (718, 16509), (723, 16539), (732, 16581),

Gene: Suerte_18 Start: 16811, Stop: 18391, Start Num: 121
Candidate Starts for Suerte_18:
(53, 16694), (Start: 121 @16811 has 70 MA's), (247, 17069), (260, 17090), (280, 17144), (295, 17183), (314, 17240), (324, 17261), (425, 17432), (430, 17450), (438, 17474), (445, 17495), (474, 17537), (504, 17618), (550, 17708), (559, 17753), (577, 17810), (578, 17813), (593, 17867), (631, 17957), (701, 18236), (702, 18245), (711, 18275),

Gene: Sukkupi_43 Start: 29457, Stop: 31073, Start Num: 109
Candidate Starts for Sukkupi_43:
(Start: 109 @29457 has 43 MA's), (Start: 118 @29466 has 1 MA's), (Start: 121 @29469 has 70 MA's), (Start: 141 @29493 has 1 MA's), (185, 29571), (259, 29754), (280, 29811), (287, 29823), (292, 29838), (316, 29904), (324, 29919), (332, 29943), (365, 30030), (368, 30036), (385, 30060), (417, 30120), (428, 30150), (435, 30171), (480, 30276), (488, 30297), (531, 30384), (549, 30432), (583, 30558), (593, 30594), (656, 30759), (662, 30777), (671, 30813), (721, 30987), (723, 30999), (738, 31056),

Gene: Sulley_23 Start: 17121, Stop: 18887, Start Num: 82
Candidate Starts for Sulley_23:
(Start: 82 @17121 has 156 MA's), (Start: 103 @17151 has 1 MA's), (Start: 193 @17310 has 2 MA's), (204, 17343), (215, 17373), (225, 17406), (229, 17418), (268, 17508), (288, 17550), (309, 17622), (313, 17631), (330, 17670), (345, 17715), (355, 17736), (356, 17739), (398, 17793), (404, 17811),

(420, 17853), (423, 17859), (431, 17886), (481, 18024), (486, 18042), (500, 18084), (506, 18102), (516, 18132), (529, 18159), (561, 18264), (617, 18423), (628, 18459), (636, 18489), (639, 18498), (657, 18573), (671, 18624), (725, 18819), (733, 18858), (734, 18861), (745, 18879),

Gene: Sunflower1121_21 Start: 16226, Stop: 17992, Start Num: 82
Candidate Starts for Sunflower1121_21:
(Start: 77 @16217 has 26 MA's), (Start: 82 @16226 has 156 MA's), (Start: 103 @16256 has 1 MA's), (177, 16382), (185, 16397), (Start: 193 @16415 has 2 MA's), (204, 16448), (215, 16478), (229, 16523), (268, 16613), (284, 16649), (309, 16727), (313, 16736), (355, 16841), (356, 16844), (402, 16910), (404, 16916), (420, 16958), (423, 16964), (431, 16991), (486, 17147), (506, 17207), (547, 17309), (551, 17321), (561, 17369), (584, 17444), (591, 17468), (617, 17528), (628, 17564), (636, 17594), (657, 17678), (671, 17729), (672, 17735), (701, 17828), (733, 17963), (734, 17966), (745, 17984),

Gene: SuperGrey_17 Start: 15480, Stop: 17189, Start Num: 114
Candidate Starts for SuperGrey_17:
(Start: 114 @15480 has 231 MA's), (171, 15567), (Start: 193 @15612 has 2 MA's), (202, 15636), (234, 15741), (236, 15747), (242, 15765), (259, 15795), (299, 15900), (321, 15960), (330, 15981), (333, 15990), (341, 16014), (356, 16056), (367, 16089), (371, 16101), (378, 16116), (381, 16122), (397, 16140), (402, 16155), (404, 16161), (417, 16197), (418, 16200), (424, 16212), (426, 16218), (428, 16227), (440, 16266), (445, 16278), (446, 16284), (481, 16344), (485, 16356), (497, 16392), (500, 16404), (527, 16479), (529, 16488), (538, 16506), (540, 16512), (549, 16542), (578, 16647), (580, 16656), (581, 16659), (592, 16695), (631, 16773), (663, 16893), (679, 16956), (686, 16986), (688, 16995), (690, 17001), (698, 17016), (699, 17019), (703, 17043), (714, 17073), (718, 17085), (732, 17157),

Gene: SuperSulley_42 Start: 30625, Stop: 32241, Start Num: 109
Candidate Starts for SuperSulley_42:
(Start: 109 @30625 has 43 MA's), (Start: 121 @30637 has 70 MA's), (185, 30739), (216, 30823), (292, 31006), (316, 31072), (324, 31087), (332, 31111), (365, 31198), (385, 31228), (387, 31231), (417, 31288), (442, 31360), (488, 31465), (531, 31552), (549, 31600), (583, 31726), (593, 31762), (643, 31873), (663, 31948), (714, 32125), (723, 32167), (738, 32224),

Gene: Superphikiman_34 Start: 25162, Stop: 26805, Start Num: 169
Candidate Starts for Superphikiman_34:
(Start: 113 @25072 has 31 MA's), (Start: 169 @25162 has 49 MA's), (171, 25165), (202, 25240), (Start: 209 @25267 has 11 MA's), (231, 25333), (244, 25369), (260, 25399), (266, 25414), (296, 25498), (307, 25534), (319, 25561), (334, 25600), (345, 25633), (348, 25642), (369, 25699), (386, 25741), (422, 25816), (426, 25828), (445, 25888), (470, 25942), (483, 25972), (487, 25990), (491, 25999), (501, 26032), (505, 26044), (507, 26050), (520, 26089), (540, 26146), (585, 26296), (590, 26314), (621, 26356), (627, 26380), (628, 26383), (631, 26398), (640, 26428), (648, 26458), (663, 26515), (705, 26665), (734, 26785), (738, 26791),

Gene: Suscepit_19 Start: 17773, Stop: 19371, Start Num: 121
Candidate Starts for Suscepit_19:
(Start: 121 @17773 has 70 MA's), (240, 18022), (247, 18031), (259, 18049), (260, 18052), (280, 18106), (306, 18181), (333, 18250), (336, 18259), (340, 18271), (357, 18322), (367, 18349), (376, 18358), (378, 18361), (424, 18391), (425, 18394), (443, 18451), (474, 18517), (503, 18595), (521, 18628), (539, 18652), (550, 18688), (577, 18790), (593, 18847), (619, 18892), (622, 18898), (631, 18937), (692, 19177), (711, 19255),

Gene: SushiChef_20 Start: 17764, Stop: 19362, Start Num: 121
Candidate Starts for SushiChef_20:

(Start: 121 @17764 has 70 MA's), (247, 18022), (259, 18040), (260, 18043), (280, 18097), (306, 18172), (333, 18241), (336, 18250), (340, 18262), (357, 18313), (367, 18340), (376, 18349), (378, 18352), (425, 18385), (443, 18442), (474, 18508), (521, 18619), (550, 18679), (577, 18781), (593, 18838), (631, 18928), (692, 19168), (711, 19246),

Gene: SussRoloMann_22 Start: 17344, Stop: 19050, Start Num: 130
Candidate Starts for SussRoloMann_22:
(Start: 73 @17269 has 2 MA's), (Start: 130 @17344 has 17 MA's), (177, 17437), (185, 17452), (187, 17458), (215, 17533), (237, 17605), (286, 17716), (300, 17761), (305, 17779), (309, 17791), (402, 17962), (405, 17971), (406, 17977), (420, 18010), (441, 18073), (453, 18124), (472, 18148), (479, 18172), (504, 18247), (516, 18286), (559, 18418), (593, 18532), (627, 18619), (656, 18733), (659, 18742), (688, 18847), (715, 18934), (745, 19042),

Gene: SwagPigglett_16 Start: 14813, Stop: 16522, Start Num: 114
Candidate Starts for SwagPigglett_16:
(Start: 114 @14813 has 231 MA's), (171, 14900), (Start: 193 @14945 has 2 MA's), (202, 14969), (219, 15026), (234, 15074), (236, 15080), (242, 15098), (259, 15128), (299, 15233), (318, 15287), (321, 15293), (325, 15302), (333, 15323), (341, 15347), (354, 15383), (356, 15389), (367, 15422), (369, 15425), (371, 15434), (378, 15449), (381, 15455), (397, 15473), (402, 15488), (404, 15494), (409, 15512), (410, 15515), (417, 15530), (424, 15545), (426, 15551), (440, 15599), (445, 15611), (446, 15617), (481, 15677), (485, 15689), (497, 15725), (500, 15737), (527, 15812), (529, 15821), (538, 15839), (540, 15845), (549, 15875), (578, 15980), (581, 15992), (592, 16028), (631, 16106), (663, 16226), (671, 16259), (679, 16289), (681, 16301), (686, 16319), (687, 16325), (688, 16328), (690, 16334), (698, 16349), (699, 16352), (702, 16373), (703, 16376), (718, 16418), (723, 16448), (732, 16490), (733, 16496),

Gene: Sweets_18 Start: 16635, Stop: 18398, Start Num: 77
Candidate Starts for Sweets_18:
(Start: 77 @16635 has 26 MA's), (Start: 97 @16644 has 61 MA's), (Start: 103 @16650 has 1 MA's), (111, 16656), (185, 16788), (204, 16839), (215, 16869), (222, 16893), (266, 16995), (281, 17034), (284, 17040), (290, 17055), (303, 17100), (348, 17220), (386, 17277), (404, 17316), (423, 17364), (431, 17391), (435, 17403), (458, 17484), (481, 17529), (551, 17727), (556, 17757), (561, 17775), (567, 17802), (594, 17886), (607, 17904), (614, 17919), (627, 17967), (630, 17982), (648, 18045), (663, 18102), (672, 18141), (682, 18183), (701, 18234), (725, 18330), (745, 18390),

Gene: Syra333_22 Start: 16321, Stop: 18087, Start Num: 82
Candidate Starts for Syra333_22:
(Start: 77 @16312 has 26 MA's), (Start: 82 @16321 has 156 MA's), (Start: 103 @16351 has 1 MA's), (128, 16378), (177, 16477), (185, 16492), (Start: 193 @16510 has 2 MA's), (204, 16543), (215, 16573), (229, 16618), (268, 16708), (284, 16744), (309, 16822), (313, 16831), (355, 16936), (356, 16939), (402, 17005), (404, 17011), (423, 17059), (427, 17074), (486, 17242), (506, 17302), (529, 17359), (547, 17404), (551, 17416), (561, 17464), (591, 17563), (617, 17623), (628, 17659), (657, 17773), (671, 17824), (672, 17830), (701, 17923), (733, 18058), (734, 18061), (745, 18079),

Gene: TBond007_22 Start: 17357, Stop: 19120, Start Num: 82
Candidate Starts for TBond007_22:
(Start: 77 @17348 has 26 MA's), (Start: 82 @17357 has 156 MA's), (158, 17459), (185, 17516), (204, 17567), (215, 17597), (222, 17621), (309, 17852), (313, 17861), (319, 17873), (355, 17966), (356, 17969), (404, 18041), (406, 18050), (420, 18083), (423, 18089), (435, 18128), (446, 18164), (481, 18254), (501, 18317), (535, 18404), (561, 18497), (584, 18572), (617, 18653), (630, 18701), (638, 18725), (645, 18752), (659, 18809), (671, 18854), (701, 18956), (708, 18983), (723, 19043), (725, 19052), (729, 19073), (733, 19091), (736, 19097), (745, 19112),

Gene: TBrady12_26 Start: 19820, Stop: 21415, Start Num: 169
Candidate Starts for TBrady12_26:
(Start: 119 @19736 has 132 MA's), (Start: 169 @19820 has 49 MA's), (Start: 203 @19898 has 1 MA's), (231, 19985), (236, 20000), (259, 20048), (273, 20087), (305, 20174), (319, 20207), (333, 20243), (343, 20273), (345, 20279), (370, 20348), (399, 20378), (403, 20390), (404, 20393), (426, 20450), (483, 20582), (484, 20588), (505, 20654), (507, 20660), (513, 20684), (529, 20732), (540, 20756), (543, 20765), (562, 20840), (580, 20891), (585, 20906), (648, 21068), (654, 21095), (663, 21125), (689, 21230), (716, 21308), (723, 21344), (725, 21353), (732, 21386), (738, 21401),

Gene: TChen_17 Start: 15346, Stop: 17073, Start Num: 97
Candidate Starts for TChen_17:
(Start: 97 @15346 has 61 MA's), (Start: 103 @15352 has 1 MA's), (108, 15358), (Start: 122 @15370 has 1 MA's), (127, 15376), (Start: 193 @15496 has 2 MA's), (202, 15520), (208, 15544), (234, 15625), (236, 15631), (242, 15649), (259, 15679), (325, 15853), (333, 15874), (334, 15877), (346, 15913), (359, 15952), (381, 16006), (397, 16024), (398, 16027), (402, 16039), (404, 16045), (417, 16081), (426, 16102), (431, 16120), (440, 16150), (445, 16162), (446, 16168), (481, 16228), (497, 16276), (512, 16321), (527, 16363), (529, 16372), (540, 16396), (549, 16426), (559, 16471), (578, 16531), (580, 16540), (581, 16543), (592, 16579), (632, 16660), (666, 16789), (671, 16810), (679, 16840), (686, 16870), (688, 16879), (690, 16885), (698, 16900), (699, 16903), (738, 17056),

Gene: TClif_22 Start: 16354, Stop: 18120, Start Num: 82
Candidate Starts for TClif_22:
(Start: 64 @16315 has 1 MA's), (Start: 77 @16345 has 26 MA's), (Start: 82 @16354 has 156 MA's), (Start: 103 @16384 has 1 MA's), (185, 16525), (215, 16606), (225, 16639), (229, 16651), (288, 16783), (309, 16855), (313, 16864), (320, 16879), (355, 16969), (356, 16972), (402, 17038), (404, 17044), (420, 17086), (423, 17092), (431, 17119), (481, 17257), (516, 17365), (547, 17437), (561, 17497), (591, 17596), (595, 17611), (628, 17692), (639, 17731), (657, 17806), (671, 17857), (745, 18112),

Gene: TDanisky_16 Start: 14836, Stop: 16545, Start Num: 114
Candidate Starts for TDanisky_16:
(Start: 114 @14836 has 231 MA's), (171, 14923), (Start: 193 @14968 has 2 MA's), (202, 14992), (219, 15049), (234, 15097), (236, 15103), (242, 15121), (259, 15151), (299, 15256), (318, 15310), (321, 15316), (325, 15325), (333, 15346), (341, 15370), (354, 15406), (356, 15412), (367, 15445), (369, 15448), (371, 15457), (378, 15472), (381, 15478), (397, 15496), (402, 15511), (404, 15517), (409, 15535), (410, 15538), (417, 15553), (424, 15568), (426, 15574), (440, 15622), (445, 15634), (446, 15640), (481, 15700), (485, 15712), (497, 15748), (500, 15760), (527, 15835), (529, 15844), (538, 15862), (540, 15868), (549, 15898), (578, 16003), (581, 16015), (592, 16051), (631, 16129), (663, 16249), (671, 16282), (679, 16312), (681, 16324), (686, 16342), (687, 16348), (688, 16351), (690, 16357), (698, 16372), (699, 16375), (702, 16396), (703, 16399), (718, 16441), (723, 16471), (732, 16513), (733, 16519),

Gene: TM4_19 Start: 15094, Stop: 16851, Start Num: 80
Candidate Starts for TM4_19:
(Start: 64 @15058 has 1 MA's), (Start: 77 @15088 has 26 MA's), (Start: 80 @15094 has 43 MA's), (Start: 97 @15109 has 61 MA's), (135, 15151), (160, 15199), (177, 15238), (185, 15253), (204, 15304), (205, 15307), (215, 15334), (225, 15367), (229, 15379), (268, 15469), (269, 15475), (309, 15583), (348, 15685), (355, 15697), (356, 15700), (382, 15736), (404, 15772), (409, 15790), (420, 15814), (423, 15820), (435, 15859), (443, 15883), (446, 15895), (481, 15985), (484, 15994), (501, 16048), (511, 16078), (550, 16189), (561, 16240), (588, 16330), (591, 16339), (593, 16348), (594, 16351), (617, 16384), (629, 16423), (636, 16450), (639, 16459), (657, 16534), (671, 16585), (672, 16591), (697, 16672), (701, 16687), (717, 16741), (733, 16822), (745, 16843),

Gene: TPA4_19 Start: 17726, Stop: 19462, Start Num: 84

Candidate Starts for TPA4_19:
(71, 17699), (84, 17726), (149, 17798), (175, 17852), (177, 17858), (Start: 193 @17891 has 2 MA's), (290, 18143), (311, 18212), (322, 18230), (339, 18278), (343, 18290), (346, 18299), (364, 18329), (396, 18359), (404, 18386), (409, 18404), (418, 18425), (427, 18449), (463, 18560), (479, 18596), (490, 18626), (541, 18761), (542, 18764), (551, 18794), (561, 18842), (566, 18866), (621, 19007), (647, 19106), (653, 19133), (654, 19136), (667, 19187), (671, 19199), (677, 19226), (689, 19262), (702, 19307), (714, 19343), (726, 19394), (744, 19451),

Gene: TZGordon_24 Start: 16619, Stop: 17947, Start Num: 209
Candidate Starts for TZGordon_24:
(Start: 209 @16619 has 11 MA's), (217, 16634), (265, 16748), (275, 16778), (294, 16823), (307, 16868), (330, 16925), (336, 16943), (339, 16952), (347, 16976), (349, 16982), (350, 16985), (369, 17036), (382, 17048), (433, 17090), (448, 17141), (451, 17150), (462, 17159), (490, 17204), (498, 17222), (550, 17315), (559, 17360), (580, 17429), (589, 17450), (627, 17525), (629, 17531), (638, 17564), (663, 17651), (672, 17687), (675, 17702), (678, 17711), (692, 17753), (717, 17846), (720, 17864), (732, 17921), (735, 17930),

Gene: Tachez_23 Start: 17117, Stop: 18883, Start Num: 82
Candidate Starts for Tachez_23:
(Start: 82 @17117 has 156 MA's), (Start: 103 @17147 has 1 MA's), (Start: 193 @17306 has 2 MA's), (204, 17339), (215, 17369), (225, 17402), (229, 17414), (268, 17504), (288, 17546), (309, 17618), (313, 17627), (330, 17666), (345, 17711), (355, 17732), (356, 17735), (398, 17789), (404, 17807), (420, 17849), (423, 17855), (431, 17882), (481, 18020), (486, 18038), (500, 18080), (506, 18098), (516, 18128), (529, 18155), (561, 18260), (617, 18419), (628, 18455), (636, 18485), (639, 18494), (657, 18569), (671, 18620), (701, 18719), (725, 18815), (733, 18854), (734, 18857), (745, 18875),

Gene: Taheera_18 Start: 16666, Stop: 18420, Start Num: 97
Candidate Starts for Taheera_18:
(32, 16453), (Start: 77 @16657 has 26 MA's), (Start: 97 @16666 has 61 MA's), (Start: 103 @16672 has 1 MA's), (111, 16678), (160, 16756), (185, 16810), (204, 16861), (215, 16891), (222, 16915), (266, 17017), (281, 17056), (284, 17062), (290, 17077), (348, 17242), (386, 17299), (404, 17338), (420, 17380), (423, 17386), (435, 17425), (472, 17524), (481, 17551), (496, 17596), (556, 17779), (561, 17797), (567, 17824), (594, 17908), (607, 17926), (614, 17941), (630, 18004), (648, 18067), (653, 18091), (663, 18124), (672, 18163), (682, 18205), (725, 18352), (745, 18412),

Gene: TaiwanKao_24 Start: 17128, Stop: 18894, Start Num: 82
Candidate Starts for TaiwanKao_24:
(Start: 82 @17128 has 156 MA's), (Start: 103 @17158 has 1 MA's), (Start: 193 @17317 has 2 MA's), (204, 17350), (215, 17380), (225, 17413), (229, 17425), (268, 17515), (288, 17557), (306, 17620), (309, 17629), (313, 17638), (330, 17677), (345, 17722), (355, 17743), (356, 17746), (404, 17818), (420, 17860), (423, 17866), (431, 17893), (481, 18031), (486, 18049), (500, 18091), (506, 18109), (516, 18139), (529, 18166), (561, 18271), (617, 18430), (628, 18466), (636, 18496), (639, 18505), (657, 18580), (671, 18631), (725, 18826), (733, 18865), (734, 18868), (745, 18886),

Gene: Taj_16 Start: 14839, Stop: 16548, Start Num: 114
Candidate Starts for Taj_16:
(Start: 114 @14839 has 231 MA's), (171, 14926), (Start: 193 @14971 has 2 MA's), (202, 14995), (234, 15100), (236, 15106), (242, 15124), (259, 15154), (299, 15259), (321, 15319), (329, 15337), (330, 15340), (333, 15349), (341, 15373), (397, 15499), (402, 15514), (404, 15520), (417, 15556), (418, 15559), (424, 15571), (426, 15577), (440, 15625), (445, 15637), (446, 15643), (481, 15703), (485, 15715), (497, 15751), (500, 15763), (527, 15838), (529, 15847), (538, 15865), (540, 15871), (549, 15901), (578, 16006), (580, 16015), (581, 16018), (592, 16054), (631, 16132), (656, 16231), (663, 16252), (671, 16285), (679, 16315), (686, 16345), (688, 16354), (690, 16360), (698, 16375), (699,

16378), (703, 16402), (714, 16432), (718, 16444), (723, 16474), (732, 16516),

Gene: Tapioca_18 Start: 14989, Stop: 16698, Start Num: 119
Candidate Starts for Tapioca_18:
(Start: 119 @14989 has 132 MA's), (139, 15016), (Start: 193 @15121 has 2 MA's), (197, 15133), (208, 15169), (225, 15220), (234, 15250), (236, 15256), (247, 15283), (252, 15289), (299, 15409), (318, 15463), (321, 15469), (329, 15487), (333, 15499), (334, 15502), (341, 15523), (356, 15565), (367, 15598), (397, 15649), (402, 15664), (417, 15706), (424, 15721), (426, 15727), (440, 15775), (447, 15799), (460, 15829), (481, 15853), (500, 15913), (504, 15925), (522, 15979), (527, 15988), (548, 16048), (549, 16051), (578, 16156), (580, 16165), (592, 16204), (647, 16342), (685, 16492), (686, 16495), (688, 16504), (698, 16525), (703, 16552), (716, 16588), (738, 16681),

Gene: Taquito_22 Start: 18239, Stop: 20029, Start Num: 80
Candidate Starts for Taquito_22:
(Start: 64 @18203 has 1 MA's), (Start: 77 @18233 has 26 MA's), (Start: 80 @18239 has 43 MA's), (Start: 82 @18242 has 156 MA's), (135, 18299), (160, 18347), (177, 18386), (185, 18401), (Start: 193 @18419 has 2 MA's), (204, 18452), (215, 18482), (229, 18527), (236, 18545), (268, 18617), (269, 18623), (284, 18653), (305, 18719), (309, 18731), (369, 18866), (402, 18914), (404, 18920), (409, 18938), (423, 18968), (435, 19007), (481, 19133), (500, 19193), (501, 19196), (507, 19214), (512, 19229), (561, 19397), (578, 19451), (591, 19496), (609, 19541), (617, 19565), (627, 19598), (654, 19703), (657, 19715), (671, 19766), (672, 19772), (702, 19874), (733, 20000), (745, 20021),

Gene: Tardus_36 Start: 30115, Stop: 31737, Start Num: 123
Candidate Starts for Tardus_36:
(Start: 123 @30115 has 61 MA's), (140, 30136), (145, 30148), (175, 30199), (202, 30262), (225, 30334), (268, 30421), (290, 30472), (299, 30502), (330, 30583), (403, 30703), (405, 30709), (416, 30739), (420, 30748), (431, 30781), (432, 30784), (436, 30796), (450, 30844), (481, 30892), (484, 30901), (514, 31000), (532, 31039), (538, 31051), (567, 31168), (581, 31207), (602, 31246), (627, 31303), (638, 31342), (640, 31351), (652, 31408), (655, 31420), (671, 31477), (672, 31483), (677, 31504), (688, 31537), (701, 31582), (732, 31711), (734, 31720),

Gene: Tarkin_26 Start: 20735, Stop: 22414, Start Num: 119
Candidate Starts for Tarkin_26:
(Start: 119 @20735 has 132 MA's), (Start: 169 @20819 has 49 MA's), (Start: 203 @20897 has 1 MA's), (231, 20984), (236, 20999), (259, 21047), (273, 21086), (305, 21173), (319, 21206), (333, 21242), (343, 21272), (345, 21278), (370, 21347), (399, 21377), (403, 21389), (404, 21392), (426, 21449), (483, 21581), (484, 21587), (505, 21653), (507, 21659), (513, 21683), (529, 21731), (540, 21755), (543, 21764), (562, 21839), (580, 21890), (585, 21905), (648, 22067), (654, 22094), (663, 22124), (689, 22229), (716, 22307), (723, 22343), (725, 22352), (732, 22385), (738, 22400),

Gene: Tarzan_18 Start: 14963, Stop: 16579, Start Num: 115
Candidate Starts for Tarzan_18:
(Start: 115 @14963 has 7 MA's), (175, 15062), (186, 15086), (225, 15197), (226, 15200), (233, 15218), (236, 15227), (271, 15293), (279, 15308), (284, 15317), (288, 15323), (309, 15395), (317, 15413), (338, 15467), (341, 15476), (375, 15530), (404, 15566), (405, 15569), (443, 15677), (477, 15749), (481, 15755), (484, 15764), (489, 15782), (518, 15872), (559, 15986), (562, 16004), (566, 16016), (594, 16082), (621, 16130), (624, 16142), (627, 16154), (632, 16175), (636, 16187), (640, 16202), (648, 16232), (656, 16268), (710, 16457), (726, 16520), (730, 16541), (738, 16565),

Gene: Tayonia_19 Start: 17773, Stop: 19371, Start Num: 121
Candidate Starts for Tayonia_19:
(Start: 121 @17773 has 70 MA's), (240, 18022), (247, 18031), (259, 18049), (260, 18052), (280, 18106), (306, 18181), (333, 18250), (336, 18259), (340, 18271), (357, 18322), (367, 18349), (376,

18358), (378, 18361), (424, 18391), (425, 18394), (443, 18451), (474, 18517), (503, 18595), (521, 18628), (539, 18652), (550, 18688), (577, 18790), (593, 18847), (619, 18892), (622, 18898), (631, 18937), (692, 19177), (711, 19255),

Gene: Tchotchke_17 Start: 14738, Stop: 16447, Start Num: 114
Candidate Starts for Tchotchke_17:
(Start: 114 @14738 has 231 MA's), (171, 14825), (Start: 193 @14870 has 2 MA's), (202, 14894), (219, 14951), (234, 14999), (236, 15005), (242, 15023), (259, 15053), (299, 15158), (318, 15212), (321, 15218), (325, 15227), (333, 15248), (341, 15272), (354, 15308), (356, 15314), (367, 15347), (369, 15350), (371, 15359), (378, 15374), (381, 15380), (397, 15398), (402, 15413), (404, 15419), (409, 15437), (410, 15440), (417, 15455), (424, 15470), (426, 15476), (440, 15524), (445, 15536), (446, 15542), (481, 15602), (485, 15614), (497, 15650), (500, 15662), (527, 15737), (529, 15746), (538, 15764), (540, 15770), (549, 15800), (578, 15905), (581, 15917), (592, 15953), (631, 16031), (663, 16151), (671, 16184), (679, 16214), (681, 16226), (686, 16244), (687, 16250), (688, 16253), (690, 16259), (698, 16274), (699, 16277), (702, 16298), (703, 16301), (718, 16343), (723, 16373), (732, 16415), (733, 16421),

Gene: TeamEdward_24 Start: 20001, Stop: 21596, Start Num: 169
Candidate Starts for TeamEdward_24:
(Start: 119 @19917 has 132 MA's), (Start: 169 @20001 has 49 MA's), (Start: 203 @20079 has 1 MA's), (231, 20166), (236, 20181), (259, 20229), (273, 20268), (305, 20355), (319, 20388), (333, 20424), (343, 20454), (345, 20460), (370, 20529), (399, 20559), (403, 20571), (404, 20574), (426, 20631), (483, 20763), (484, 20769), (505, 20835), (507, 20841), (513, 20865), (529, 20913), (540, 20937), (543, 20946), (562, 21021), (580, 21072), (585, 21087), (648, 21249), (654, 21276), (663, 21306), (689, 21411), (716, 21489), (723, 21525), (725, 21534), (732, 21567), (738, 21582),

Gene: TeardropMSU_23 Start: 19653, Stop: 21332, Start Num: 119
Candidate Starts for TeardropMSU_23:
(Start: 119 @19653 has 132 MA's), (Start: 169 @19737 has 49 MA's), (Start: 203 @19815 has 1 MA's), (231, 19902), (236, 19917), (259, 19965), (273, 20004), (305, 20091), (319, 20124), (333, 20160), (343, 20190), (345, 20196), (370, 20265), (399, 20295), (403, 20307), (404, 20310), (426, 20367), (483, 20499), (484, 20505), (505, 20571), (507, 20577), (513, 20601), (529, 20649), (540, 20673), (543, 20682), (562, 20757), (580, 20808), (585, 20823), (648, 20985), (654, 21012), (663, 21042), (689, 21147), (716, 21225), (723, 21261), (725, 21270), (732, 21303), (738, 21318),

Gene: Teaspoon_25 Start: 19699, Stop: 21378, Start Num: 119
Candidate Starts for Teaspoon_25:
(Start: 119 @19699 has 132 MA's), (Start: 169 @19783 has 49 MA's), (Start: 203 @19861 has 1 MA's), (231, 19948), (236, 19963), (259, 20011), (273, 20050), (305, 20137), (319, 20170), (333, 20206), (343, 20236), (345, 20242), (370, 20311), (399, 20341), (403, 20353), (404, 20356), (426, 20413), (483, 20545), (484, 20551), (505, 20617), (507, 20623), (513, 20647), (529, 20695), (540, 20719), (543, 20728), (562, 20803), (580, 20854), (585, 20869), (648, 21031), (654, 21058), (663, 21088), (689, 21193), (716, 21271), (723, 21307), (725, 21316), (732, 21349), (738, 21364),

Gene: Techage_19 Start: 16376, Stop: 18112, Start Num: 107
Candidate Starts for Techage_19:
(Start: 90 @16352 has 2 MA's), (Start: 107 @16376 has 54 MA's), (148, 16436), (159, 16457), (161, 16460), (211, 16580), (225, 16619), (235, 16652), (244, 16676), (294, 16796), (305, 16835), (307, 16841), (339, 16925), (341, 16931), (345, 16943), (354, 16967), (362, 16994), (370, 17012), (396, 17051), (397, 17057), (405, 17081), (426, 17135), (429, 17147), (432, 17156), (450, 17216), (487, 17294), (500, 17333), (511, 17366), (529, 17432), (537, 17447), (540, 17456), (547, 17480), (555, 17510), (559, 17522), (590, 17624), (593, 17636), (594, 17639), (596, 17645), (616, 17654), (646, 17762), (667, 17846), (693, 17945), (725, 18053), (738, 18101),

Gene: Teejan_19 Start: 16697, Stop: 18463, Start Num: 82
Candidate Starts for Teejan_19:
(Start: 82 @16697 has 156 MA's), (Start: 87 @16703 has 18 MA's), (Start: 103 @16727 has 1 MA's), (177, 16853), (185, 16868), (Start: 193 @16886 has 2 MA's), (215, 16949), (268, 17084), (269, 17090), (309, 17198), (313, 17207), (355, 17312), (402, 17381), (404, 17387), (417, 17423), (423, 17435), (443, 17498), (481, 17600), (486, 17618), (500, 17660), (501, 17663), (544, 17768), (561, 17840), (593, 17948), (595, 17954), (617, 17999), (632, 18053), (639, 18074), (657, 18149), (671, 18200), (701, 18299), (704, 18314), (716, 18350), (725, 18395), (733, 18434), (734, 18437), (745, 18455),

Gene: TelAviv_53 Start: 33442, Stop: 35178, Start Num: 94
Candidate Starts for TelAviv_53:
(Start: 89 @33433 has 2 MA's), (Start: 94 @33442 has 30 MA's), (Start: 156 @33532 has 1 MA's), (207, 33649), (219, 33685), (226, 33706), (234, 33733), (236, 33739), (261, 33793), (283, 33844), (333, 33982), (335, 33988), (352, 34039), (354, 34042), (359, 34060), (397, 34111), (404, 34132), (405, 34135), (424, 34183), (426, 34189), (440, 34237), (443, 34243), (445, 34249), (471, 34309), (481, 34333), (483, 34336), (497, 34381), (501, 34396), (504, 34405), (507, 34414), (522, 34459), (529, 34477), (543, 34510), (581, 34648), (587, 34669), (625, 34735), (632, 34765), (646, 34819), (656, 34861), (663, 34882), (667, 34903), (671, 34915), (676, 34936), (690, 34990), (716, 35068), (723, 35104), (727, 35125), (733, 35152),

Gene: Terminus_24 Start: 19833, Stop: 21512, Start Num: 119
Candidate Starts for Terminus_24:
(Start: 119 @19833 has 132 MA's), (Start: 169 @19917 has 49 MA's), (Start: 203 @19995 has 1 MA's), (231, 20082), (236, 20097), (259, 20145), (273, 20184), (305, 20271), (319, 20304), (333, 20340), (343, 20370), (345, 20376), (370, 20445), (399, 20475), (403, 20487), (404, 20490), (426, 20547), (483, 20679), (484, 20685), (505, 20751), (507, 20757), (513, 20781), (529, 20829), (540, 20853), (543, 20862), (562, 20937), (580, 20988), (585, 21003), (648, 21165), (654, 21192), (663, 21222), (689, 21327), (716, 21405), (723, 21441), (725, 21450), (732, 21483), (738, 21498),

Gene: Terralys_18 Start: 16640, Stop: 18403, Start Num: 77
Candidate Starts for Terralys_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Terror_18 Start: 16666, Stop: 18420, Start Num: 97
Candidate Starts for Terror_18:
(32, 16453), (Start: 77 @16657 has 26 MA's), (Start: 97 @16666 has 61 MA's), (Start: 103 @16672 has 1 MA's), (111, 16678), (160, 16756), (185, 16810), (204, 16861), (215, 16891), (222, 16915), (266, 17017), (281, 17056), (284, 17062), (290, 17077), (348, 17242), (386, 17299), (404, 17338), (420, 17380), (423, 17386), (435, 17425), (472, 17524), (481, 17551), (496, 17596), (556, 17779), (561, 17797), (567, 17824), (594, 17908), (607, 17926), (614, 17941), (630, 18004), (648, 18067), (653, 18091), (663, 18124), (672, 18163), (682, 18205), (725, 18352), (745, 18412),

Gene: Tessdabest_17 Start: 14986, Stop: 16695, Start Num: 119
Candidate Starts for Tessdabest_17:
(Start: 119 @14986 has 132 MA's), (139, 15013), (Start: 193 @15118 has 2 MA's), (197, 15130), (208, 15166), (225, 15217), (234, 15247), (236, 15253), (247, 15280), (252, 15286), (299, 15406), (318, 15460), (321, 15466), (329, 15484), (333, 15496), (334, 15499), (341, 15520), (356, 15562), (367,

15595), (397, 15646), (402, 15661), (417, 15703), (424, 15718), (426, 15724), (440, 15772), (447, 15796), (460, 15826), (481, 15850), (500, 15910), (504, 15922), (522, 15976), (527, 15985), (548, 16045), (549, 16048), (578, 16153), (580, 16162), (592, 16201), (647, 16339), (685, 16489), (686, 16492), (688, 16501), (698, 16522), (703, 16549), (716, 16585), (738, 16678),

Gene: ThankyouJordi_18 Start: 17806, Stop: 19404, Start Num: 121
Candidate Starts for ThankyouJordi_18:
(31, 17509), (37, 17584), (38, 17605), (53, 17689), (Start: 121 @17806 has 70 MA's), (247, 18064), (259, 18082), (260, 18085), (280, 18139), (333, 18283), (340, 18304), (357, 18355), (376, 18391), (378, 18394), (425, 18427), (443, 18484), (521, 18661), (539, 18685), (550, 18721), (577, 18823), (593, 18880), (631, 18970), (692, 19210), (711, 19288),

Gene: Thespis_19 Start: 16385, Stop: 18121, Start Num: 107
Candidate Starts for Thespis_19:
(Start: 90 @16361 has 2 MA's), (Start: 107 @16385 has 54 MA's), (148, 16445), (159, 16466), (161, 16469), (211, 16589), (225, 16628), (235, 16661), (244, 16685), (294, 16805), (305, 16844), (307, 16850), (339, 16934), (341, 16940), (345, 16952), (354, 16976), (362, 17003), (370, 17021), (396, 17060), (397, 17066), (405, 17090), (426, 17144), (429, 17156), (432, 17165), (450, 17225), (487, 17303), (500, 17342), (511, 17375), (529, 17441), (537, 17456), (540, 17465), (547, 17489), (555, 17519), (559, 17531), (590, 17633), (593, 17645), (594, 17648), (596, 17654), (616, 17663), (646, 17771), (667, 17855), (693, 17954), (725, 18062), (738, 18110),

Gene: Thibault_33 Start: 27746, Stop: 29479, Start Num: 113
Candidate Starts for Thibault_33:
(Start: 113 @27746 has 31 MA's), (Start: 169 @27836 has 49 MA's), (189, 27884), (202, 27914), (Start: 209 @27941 has 11 MA's), (244, 28043), (260, 28073), (296, 28172), (307, 28208), (319, 28235), (334, 28274), (345, 28307), (348, 28316), (404, 28445), (405, 28448), (409, 28463), (426, 28502), (440, 28550), (445, 28562), (446, 28568), (472, 28625), (483, 28646), (487, 28664), (503, 28712), (538, 28814), (555, 28874), (559, 28886), (585, 28970), (588, 28982), (590, 28988), (593, 29000), (594, 29003), (624, 29042), (629, 29060), (639, 29096), (640, 29102), (663, 29189), (685, 29279), (701, 29321), (705, 29339), (715, 29369), (724, 29411), (738, 29465),

Gene: Thimann_20 Start: 17295, Stop: 18875, Start Num: 121
Candidate Starts for Thimann_20:
(53, 17178), (Start: 121 @17295 has 70 MA's), (247, 17553), (260, 17574), (280, 17628), (295, 17667), (314, 17724), (324, 17745), (425, 17916), (430, 17934), (438, 17958), (445, 17979), (474, 18021), (504, 18102), (550, 18192), (577, 18294), (578, 18297), (593, 18351), (631, 18441), (701, 18720), (702, 18729), (711, 18759),

Gene: Thimble_24 Start: 18699, Stop: 20378, Start Num: 119
Candidate Starts for Thimble_24:
(Start: 119 @18699 has 132 MA's), (Start: 169 @18783 has 49 MA's), (Start: 203 @18861 has 1 MA's), (231, 18948), (236, 18963), (259, 19011), (273, 19050), (305, 19137), (319, 19170), (333, 19206), (343, 19236), (345, 19242), (370, 19311), (399, 19341), (403, 19353), (404, 19356), (426, 19413), (483, 19545), (484, 19551), (505, 19617), (507, 19623), (513, 19647), (529, 19695), (540, 19719), (543, 19728), (562, 19803), (580, 19854), (585, 19869), (648, 20031), (654, 20058), (663, 20088), (689, 20193), (716, 20271), (723, 20307), (725, 20316), (732, 20349), (738, 20364),

Gene: ThreeRngTarjay_35 Start: 27471, Stop: 29469, Start Num: 113
Candidate Starts for ThreeRngTarjay_35:
(Start: 113 @27471 has 31 MA's), (Start: 169 @27561 has 49 MA's), (189, 27609), (202, 27639), (Start: 209 @27666 has 11 MA's), (244, 27768), (260, 27798), (296, 27897), (307, 27933), (308, 27939), (319, 27960), (345, 28032), (348, 28041), (356, 28062), (381, 28131), (404, 28170), (405,

28173), (409, 28188), (426, 28227), (440, 28275), (445, 28287), (446, 28293), (470, 28341), (472, 28350), (483, 28371), (487, 28389), (503, 28437), (538, 28539), (559, 28611), (569, 28656), (570, 28668), (571, 28803), (572, 28809), (573, 28833), (574, 28905), (576, 28932), (664, 29181),

Gene: Thresher_25 Start: 20500, Stop: 22179, Start Num: 119
Candidate Starts for Thresher_25:
(Start: 119 @20500 has 132 MA's), (Start: 169 @20584 has 49 MA's), (Start: 203 @20662 has 1 MA's), (231, 20749), (236, 20764), (259, 20812), (273, 20851), (305, 20938), (319, 20971), (333, 21007), (343, 21037), (345, 21043), (370, 21112), (399, 21142), (403, 21154), (404, 21157), (426, 21214), (483, 21346), (484, 21352), (505, 21418), (507, 21424), (513, 21448), (529, 21496), (540, 21520), (543, 21529), (562, 21604), (580, 21655), (585, 21670), (648, 21832), (654, 21859), (663, 21889), (689, 21994), (716, 22072), (723, 22108), (725, 22117), (732, 22150), (738, 22165),

Gene: ThulaThula_18 Start: 16085, Stop: 17821, Start Num: 107
Candidate Starts for ThulaThula_18:
(Start: 107 @16085 has 54 MA's), (159, 16166), (161, 16169), (187, 16220), (188, 16223), (Start: 193 @16232 has 2 MA's), (211, 16289), (225, 16328), (231, 16349), (235, 16361), (242, 16382), (244, 16385), (247, 16391), (294, 16505), (305, 16544), (307, 16550), (349, 16664), (367, 16715), (370, 16721), (396, 16760), (397, 16766), (405, 16790), (426, 16844), (429, 16856), (432, 16865), (450, 16925), (481, 16982), (487, 17003), (500, 17042), (511, 17075), (529, 17141), (540, 17165), (547, 17189), (555, 17219), (559, 17231), (590, 17333), (593, 17345), (594, 17348), (596, 17354), (616, 17363), (646, 17471), (667, 17555), (685, 17624), (693, 17654), (732, 17795), (738, 17810),

Gene: Thyatira_21 Start: 17495, Stop: 19267, Start Num: 87
Candidate Starts for Thyatira_21:
(Start: 87 @17495 has 18 MA's), (Start: 89 @17501 has 2 MA's), (106, 17525), (135, 17558), (160, 17606), (185, 17660), (204, 17711), (225, 17774), (269, 17882), (309, 17990), (355, 18104), (356, 18107), (384, 18146), (398, 18161), (402, 18173), (404, 18179), (420, 18221), (423, 18227), (435, 18266), (443, 18290), (481, 18392), (501, 18455), (514, 18500), (561, 18635), (591, 18734), (621, 18812), (627, 18836), (632, 18857), (636, 18869), (638, 18875), (657, 18953), (659, 18959), (702, 19112), (728, 19217), (729, 19220), (733, 19238),

Gene: Tiamoceli_33 Start: 28384, Stop: 30003, Start Num: 126
Candidate Starts for Tiamoceli_33:
(Start: 126 @28384 has 11 MA's), (140, 28405), (175, 28468), (221, 28591), (225, 28603), (254, 28660), (290, 28738), (334, 28861), (405, 28975), (416, 29005), (431, 29047), (450, 29110), (481, 29158), (484, 29167), (500, 29218), (514, 29266), (566, 29431), (578, 29461), (625, 29560), (627, 29569), (628, 29572), (640, 29617), (652, 29674), (654, 29680), (655, 29686), (668, 29734), (671, 29743), (672, 29749), (673, 29752), (688, 29803), (701, 29848), (719, 29917), (729, 29965), (732, 29977),

Gene: Tierra_22 Start: 17047, Stop: 18813, Start Num: 82
Candidate Starts for Tierra_22:
(Start: 77 @17038 has 26 MA's), (Start: 82 @17047 has 156 MA's), (Start: 103 @17077 has 1 MA's), (177, 17203), (185, 17218), (Start: 193 @17236 has 2 MA's), (204, 17269), (215, 17299), (229, 17344), (268, 17434), (284, 17470), (309, 17548), (313, 17557), (345, 17641), (348, 17650), (355, 17662), (356, 17665), (384, 17704), (398, 17719), (404, 17737), (420, 17779), (423, 17785), (486, 17968), (506, 18028), (542, 18112), (547, 18130), (561, 18190), (584, 18265), (591, 18289), (617, 18349), (627, 18382), (628, 18385), (632, 18403), (639, 18424), (657, 18499), (671, 18550), (672, 18556), (677, 18577), (701, 18649), (716, 18700), (733, 18784), (734, 18787), (745, 18805),

Gene: Tigress9_22 Start: 16309, Stop: 18075, Start Num: 82
Candidate Starts for Tigress9_22:

(Start: 77 @16300 has 26 MA's), (Start: 82 @16309 has 156 MA's), (Start: 103 @16339 has 1 MA's), (177, 16465), (185, 16480), (204, 16531), (215, 16561), (229, 16606), (268, 16696), (284, 16732), (313, 16819), (348, 16912), (355, 16924), (356, 16927), (402, 16993), (404, 16999), (420, 17041), (423, 17047), (463, 17173), (486, 17230), (529, 17347), (547, 17392), (551, 17404), (561, 17452), (584, 17527), (591, 17551), (628, 17647), (657, 17761), (671, 17812), (672, 17818), (701, 17911), (733, 18046), (734, 18049), (745, 18067),

Gene: TimTam_19 Start: 17764, Stop: 19362, Start Num: 121
Candidate Starts for TimTam_19:
(Start: 121 @17764 has 70 MA's), (247, 18022), (259, 18040), (260, 18043), (280, 18097), (306, 18172), (333, 18241), (336, 18250), (340, 18262), (357, 18313), (367, 18340), (376, 18349), (378, 18352), (425, 18385), (443, 18442), (474, 18508), (521, 18619), (539, 18643), (550, 18679), (577, 18781), (593, 18838), (631, 18928), (692, 19168), (711, 19246),

Gene: TinaBug_18 Start: 16644, Stop: 18398, Start Num: 97
Candidate Starts for TinaBug_18:
(Start: 77 @16635 has 26 MA's), (Start: 97 @16644 has 61 MA's), (Start: 103 @16650 has 1 MA's), (111, 16656), (185, 16788), (204, 16839), (215, 16869), (222, 16893), (266, 16995), (281, 17034), (284, 17040), (290, 17055), (303, 17100), (348, 17220), (386, 17277), (404, 17316), (423, 17364), (431, 17391), (435, 17403), (458, 17484), (481, 17529), (551, 17727), (556, 17757), (561, 17775), (567, 17802), (594, 17886), (607, 17904), (614, 17919), (627, 17967), (630, 17982), (648, 18045), (663, 18102), (672, 18141), (682, 18183), (701, 18234), (725, 18330), (745, 18390),

Gene: TinaLin_25 Start: 17451, Stop: 18779, Start Num: 209
Candidate Starts for TinaLin_25:
(Start: 209 @17451 has 11 MA's), (218, 17469), (263, 17577), (297, 17667), (307, 17700), (330, 17757), (336, 17775), (339, 17784), (346, 17805), (349, 17814), (360, 17847), (382, 17880), (439, 17943), (448, 17973), (451, 17982), (462, 17991), (474, 18000), (542, 18120), (550, 18147), (559, 18192), (566, 18222), (578, 18252), (617, 18324), (627, 18357), (629, 18363), (675, 18534), (692, 18585), (714, 18669), (717, 18678), (720, 18696), (740, 18768),

Gene: TingHuaYa_23 Start: 16454, Stop: 18220, Start Num: 82
Candidate Starts for TingHuaYa_23:
(Start: 82 @16454 has 156 MA's), (Start: 103 @16484 has 1 MA's), (Start: 193 @16643 has 2 MA's), (204, 16676), (205, 16679), (215, 16706), (229, 16751), (236, 16769), (268, 16841), (309, 16955), (313, 16964), (330, 17003), (346, 17051), (355, 17069), (356, 17072), (398, 17126), (404, 17144), (420, 17186), (423, 17192), (431, 17219), (443, 17255), (481, 17357), (486, 17375), (506, 17435), (516, 17465), (529, 17492), (561, 17597), (628, 17792), (636, 17822), (657, 17906), (671, 17957), (701, 18056), (702, 18065), (716, 18107), (725, 18152), (733, 18191), (734, 18194), (745, 18212),

Gene: TiniBug_23 Start: 17099, Stop: 18865, Start Num: 82
Candidate Starts for TiniBug_23:
(Start: 82 @17099 has 156 MA's), (Start: 103 @17129 has 1 MA's), (204, 17321), (215, 17351), (225, 17384), (229, 17396), (268, 17486), (288, 17528), (309, 17600), (313, 17609), (330, 17648), (345, 17693), (356, 17717), (404, 17789), (420, 17831), (423, 17837), (431, 17864), (481, 18002), (486, 18020), (500, 18062), (516, 18110), (529, 18137), (561, 18242), (588, 18332), (628, 18437), (636, 18467), (639, 18476), (657, 18551), (671, 18602), (725, 18797), (733, 18836), (734, 18839), (745, 18857),

Gene: TinyDot_19 Start: 15300, Stop: 16880, Start Num: 121
Candidate Starts for TinyDot_19:
(Start: 121 @15300 has 70 MA's), (200, 15420), (260, 15579), (274, 15621), (292, 15663), (324, 15753), (338, 15795), (340, 15801), (424, 15921), (446, 15993), (485, 16056), (531, 16146), (564,

16263), (631, 16446), (662, 16560), (669, 16590), (678, 16632), (702, 16734), (707, 16749),

Gene: Tiri_23 Start: 17160, Stop: 18926, Start Num: 82
Candidate Starts for Tiri_23:
(Start: 82 @17160 has 156 MA's), (Start: 103 @17190 has 1 MA's), (Start: 193 @17349 has 2 MA's), (204, 17382), (215, 17412), (225, 17445), (229, 17457), (268, 17547), (288, 17589), (309, 17661), (313, 17670), (330, 17709), (345, 17754), (355, 17775), (356, 17778), (398, 17832), (404, 17850), (420, 17892), (423, 17898), (431, 17925), (481, 18063), (486, 18081), (500, 18123), (506, 18141), (516, 18171), (529, 18198), (561, 18303), (617, 18462), (628, 18498), (636, 18528), (639, 18537), (657, 18612), (671, 18663), (725, 18858), (733, 18897), (734, 18900), (745, 18918),

Gene: Toast_19 Start: 16740, Stop: 18389, Start Num: 150
Candidate Starts for Toast_19:
(4, 15693), (5, 15738), (7, 15762), (8, 15768), (9, 15876), (11, 15924), (15, 15996), (19, 16071), (23, 16209), (24, 16239), (25, 16245), (29, 16377), (33, 16434), (34, 16443), (Start: 64 @16602 has 1 MA's), (Start: 130 @16704 has 17 MA's), (Start: 150 @16740 has 49 MA's), (199, 16845), (223, 16923), (243, 16983), (253, 16995), (254, 16998), (329, 17196), (334, 17211), (386, 17295), (398, 17307), (401, 17316), (402, 17319), (408, 17340), (426, 17382), (435, 17412), (507, 17595), (513, 17619), (534, 17670), (547, 17703), (562, 17763), (566, 17775), (581, 17817), (586, 17835), (629, 17970), (654, 18069), (659, 18087), (672, 18138), (690, 18198), (692, 18204), (714, 18279),

Gene: TomBrady_18 Start: 16650, Stop: 18404, Start Num: 97
Candidate Starts for TomBrady_18:
(Start: 77 @16641 has 26 MA's), (Start: 97 @16650 has 61 MA's), (Start: 103 @16656 has 1 MA's), (111, 16662), (185, 16794), (204, 16845), (215, 16875), (222, 16899), (266, 17001), (281, 17040), (284, 17046), (290, 17061), (303, 17106), (348, 17226), (386, 17283), (404, 17322), (423, 17370), (431, 17397), (435, 17409), (458, 17490), (481, 17535), (551, 17733), (556, 17763), (561, 17781), (567, 17808), (594, 17892), (607, 17910), (614, 17925), (627, 17973), (630, 17988), (648, 18051), (663, 18108), (672, 18147), (682, 18189), (701, 18240), (725, 18336), (745, 18396),

Gene: Tomaszewski_23 Start: 19346, Stop: 21025, Start Num: 119
Candidate Starts for Tomaszewski_23:
(Start: 119 @19346 has 132 MA's), (Start: 169 @19430 has 49 MA's), (Start: 203 @19508 has 1 MA's), (231, 19595), (236, 19610), (259, 19658), (273, 19697), (305, 19784), (319, 19817), (333, 19853), (343, 19883), (345, 19889), (370, 19958), (399, 19988), (403, 20000), (404, 20003), (426, 20060), (483, 20192), (484, 20198), (505, 20264), (507, 20270), (513, 20294), (529, 20342), (540, 20366), (543, 20375), (562, 20450), (580, 20501), (585, 20516), (648, 20678), (654, 20705), (663, 20735), (689, 20840), (716, 20918), (723, 20954), (725, 20963), (732, 20996), (738, 21011),

Gene: Toniann_48 Start: 29557, Stop: 31248, Start Num: 104
Candidate Starts for Toniann_48:
(Start: 104 @29557 has 17 MA's), (146, 29617), (165, 29650), (179, 29683), (225, 29809), (236, 29842), (239, 29851), (300, 29980), (317, 30028), (426, 30241), (427, 30247), (435, 30271), (490, 30400), (497, 30421), (507, 30454), (562, 30652), (629, 30805), (654, 30904), (657, 30916), (660, 30925), (681, 31009), (724, 31156), (731, 31192), (734, 31204),

Gene: TootsiePop_17 Start: 14677, Stop: 16386, Start Num: 114
Candidate Starts for TootsiePop_17:
(Start: 114 @14677 has 231 MA's), (171, 14764), (Start: 193 @14809 has 2 MA's), (202, 14833), (234, 14938), (236, 14944), (242, 14962), (247, 14971), (259, 14992), (299, 15097), (321, 15157), (325, 15166), (330, 15178), (333, 15187), (341, 15211), (354, 15247), (356, 15253), (359, 15265), (367, 15286), (369, 15289), (371, 15298), (378, 15313), (381, 15319), (397, 15337), (402, 15352), (404, 15358), (409, 15376), (410, 15379), (417, 15394), (424, 15409), (426, 15415), (440, 15463), (445,

15475), (446, 15481), (481, 15541), (485, 15553), (487, 15562), (497, 15589), (500, 15601), (507, 15622), (527, 15676), (529, 15685), (540, 15709), (549, 15739), (578, 15844), (581, 15856), (592, 15892), (631, 15970), (656, 16069), (663, 16090), (671, 16123), (679, 16153), (686, 16183), (687, 16189), (688, 16192), (690, 16198), (698, 16213), (699, 16216), (702, 16237), (718, 16282), (732, 16354), (733, 16360),

Gene: Tootsieroll_17 Start: 14648, Stop: 16357, Start Num: 114
Candidate Starts for Tootsieroll_17:
(Start: 114 @14648 has 231 MA's), (171, 14735), (Start: 193 @14780 has 2 MA's), (202, 14804), (219, 14861), (234, 14909), (236, 14915), (242, 14933), (259, 14963), (299, 15068), (321, 15128), (325, 15137), (333, 15158), (341, 15182), (354, 15218), (356, 15224), (367, 15257), (369, 15260), (371, 15269), (378, 15284), (381, 15290), (397, 15308), (402, 15323), (404, 15329), (409, 15347), (410, 15350), (417, 15365), (418, 15368), (424, 15380), (426, 15386), (440, 15434), (445, 15446), (446, 15452), (481, 15512), (485, 15524), (497, 15560), (500, 15572), (527, 15647), (529, 15656), (538, 15674), (540, 15680), (549, 15710), (578, 15815), (580, 15824), (581, 15827), (592, 15863), (631, 15941), (656, 16040), (663, 16061), (671, 16094), (679, 16124), (686, 16154), (688, 16163), (690, 16169), (698, 16184), (699, 16187), (703, 16211), (714, 16241), (718, 16253), (723, 16283), (732, 16325),

Gene: Topiatin_18 Start: 15507, Stop: 17216, Start Num: 114
Candidate Starts for Topiatin_18:
(Start: 114 @15507 has 231 MA's), (171, 15594), (Start: 193 @15639 has 2 MA's), (202, 15663), (234, 15768), (236, 15774), (242, 15792), (259, 15822), (299, 15927), (321, 15987), (330, 16008), (333, 16017), (341, 16041), (367, 16116), (397, 16167), (402, 16182), (404, 16188), (417, 16224), (418, 16227), (424, 16239), (426, 16245), (440, 16293), (445, 16305), (446, 16311), (481, 16371), (485, 16383), (497, 16419), (500, 16431), (527, 16506), (529, 16515), (538, 16533), (540, 16539), (549, 16569), (578, 16674), (580, 16683), (581, 16686), (592, 16722), (629, 16788), (631, 16800), (656, 16899), (663, 16920), (671, 16953), (679, 16983), (686, 17013), (688, 17022), (690, 17028), (698, 17043), (699, 17046), (703, 17070), (714, 17100), (718, 17112), (723, 17142), (732, 17184),

Gene: Topper_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Topper_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: Torres_19 Start: 16697, Stop: 18463, Start Num: 82
Candidate Starts for Torres_19:
(Start: 82 @16697 has 156 MA's), (Start: 87 @16703 has 18 MA's), (Start: 103 @16727 has 1 MA's), (177, 16853), (185, 16868), (Start: 193 @16886 has 2 MA's), (215, 16949), (268, 17084), (269, 17090), (309, 17198), (313, 17207), (355, 17312), (402, 17381), (404, 17387), (417, 17423), (423, 17435), (443, 17498), (481, 17600), (486, 17618), (500, 17660), (501, 17663), (544, 17768), (561, 17840), (593, 17948), (595, 17954), (617, 17999), (632, 18053), (639, 18074), (657, 18149), (671, 18200), (701, 18299), (704, 18314), (716, 18350), (725, 18395), (733, 18434), (734, 18437), (745, 18455),

Gene: Tortellini_18 Start: 15988, Stop: 17724, Start Num: 107
Candidate Starts for Tortellini_18:
(Start: 107 @15988 has 54 MA's), (161, 16072), (187, 16123), (188, 16126), (Start: 193 @16135 has 2 MA's), (211, 16192), (219, 16213), (235, 16264), (244, 16288), (249, 16297), (294, 16408), (305, 16447), (345, 16555), (349, 16567), (369, 16621), (370, 16624), (396, 16663), (397, 16669), (404,

16690), (405, 16693), (426, 16747), (432, 16768), (475, 16873), (487, 16906), (500, 16945), (511, 16978), (529, 17044), (540, 17068), (547, 17092), (555, 17122), (559, 17134), (590, 17236), (593, 17248), (596, 17257), (616, 17266), (644, 17365), (646, 17374), (667, 17458), (693, 17557), (732, 17698), (738, 17713),

Gene: Tortoise12_18 Start: 14989, Stop: 16698, Start Num: 119
Candidate Starts for Tortoise12_18:
(Start: 119 @14989 has 132 MA's), (139, 15016), (Start: 193 @15121 has 2 MA's), (197, 15133), (208, 15169), (225, 15220), (234, 15250), (236, 15256), (247, 15283), (252, 15289), (299, 15409), (318, 15463), (321, 15469), (329, 15487), (333, 15499), (334, 15502), (341, 15523), (356, 15565), (367, 15598), (397, 15649), (402, 15664), (417, 15706), (424, 15721), (426, 15727), (440, 15775), (447, 15799), (460, 15829), (481, 15853), (500, 15913), (504, 15925), (522, 15979), (527, 15988), (548, 16048), (549, 16051), (578, 16156), (580, 16165), (592, 16204), (647, 16342), (685, 16492), (686, 16495), (688, 16504), (698, 16525), (703, 16552), (716, 16588), (738, 16681),

Gene: Totinger_17 Start: 14596, Stop: 16305, Start Num: 114
Candidate Starts for Totinger_17:
(Start: 114 @14596 has 231 MA's), (171, 14683), (Start: 193 @14728 has 2 MA's), (202, 14752), (234, 14857), (236, 14863), (242, 14881), (259, 14911), (299, 15016), (321, 15076), (329, 15094), (330, 15097), (333, 15106), (341, 15130), (397, 15256), (402, 15271), (404, 15277), (417, 15313), (418, 15316), (424, 15328), (426, 15334), (440, 15382), (445, 15394), (446, 15400), (481, 15460), (485, 15472), (497, 15508), (500, 15520), (527, 15595), (529, 15604), (538, 15622), (540, 15628), (549, 15658), (578, 15763), (581, 15775), (592, 15811), (631, 15889), (663, 16009), (671, 16042), (679, 16072), (681, 16084), (686, 16102), (687, 16108), (688, 16111), (690, 16117), (698, 16132), (699, 16135), (702, 16156), (703, 16159), (718, 16201), (723, 16231), (732, 16273), (733, 16279),

Gene: Toto_24 Start: 19830, Stop: 21425, Start Num: 169
Candidate Starts for Toto_24:
(Start: 119 @19746 has 132 MA's), (Start: 169 @19830 has 49 MA's), (Start: 203 @19908 has 1 MA's), (231, 19995), (236, 20010), (259, 20058), (273, 20097), (305, 20184), (319, 20217), (333, 20253), (343, 20283), (345, 20289), (370, 20358), (399, 20388), (403, 20400), (404, 20403), (426, 20460), (483, 20592), (484, 20598), (505, 20664), (507, 20670), (513, 20694), (529, 20742), (540, 20766), (543, 20775), (562, 20850), (580, 20901), (585, 20916), (648, 21078), (654, 21105), (663, 21135), (689, 21240), (716, 21318), (723, 21354), (725, 21363), (732, 21396), (738, 21411),

Gene: Towmatter_28 Start: 25303, Stop: 27189, Start Num: 107
Candidate Starts for Towmatter_28:
(Start: 107 @25303 has 54 MA's), (175, 25414), (197, 25465), (212, 25513), (270, 25645), (300, 25720), (317, 25768), (348, 25852), (372, 25990), (393, 26089), (422, 26182), (426, 26194), (427, 26200), (435, 26224), (446, 26260), (447, 26266), (500, 26386), (511, 26419), (513, 26431), (538, 26491), (562, 26593), (578, 26635), (585, 26659), (639, 26782), (657, 26857), (663, 26875), (696, 26989), (746, 27181),

Gene: Traaww1_22 Start: 19391, Stop: 21070, Start Num: 119
Candidate Starts for Traaww1_22:
(Start: 119 @19391 has 132 MA's), (Start: 169 @19475 has 49 MA's), (Start: 203 @19553 has 1 MA's), (231, 19640), (236, 19655), (259, 19703), (273, 19742), (305, 19829), (308, 19841), (319, 19862), (333, 19898), (343, 19928), (345, 19934), (370, 20003), (399, 20033), (403, 20045), (404, 20048), (426, 20105), (483, 20237), (484, 20243), (505, 20309), (507, 20315), (513, 20339), (529, 20387), (540, 20411), (543, 20420), (562, 20495), (580, 20546), (585, 20561), (648, 20723), (654, 20750), (663, 20780), (689, 20885), (716, 20963), (723, 20999), (725, 21008), (732, 21041), (738, 21056),

Gene: Tracker_41 Start: 29603, Stop: 31216, Start Num: 109
Candidate Starts for Tracker_41:
(Start: 109 @29603 has 43 MA's), (Start: 141 @29639 has 1 MA's), (152, 29657), (185, 29717), (280, 29957), (287, 29969), (292, 29984), (316, 30050), (324, 30065), (332, 30089), (333, 30092), (365, 30176), (385, 30206), (387, 30209), (415, 30257), (417, 30266), (434, 30314), (435, 30317), (442, 30338), (488, 30443), (504, 30488), (531, 30530), (583, 30704), (592, 30734), (593, 30740), (642, 30848), (643, 30851), (663, 30926), (723, 31145), (738, 31202),

Gene: TreyKay_23 Start: 17122, Stop: 18888, Start Num: 82
Candidate Starts for TreyKay_23:
(Start: 82 @17122 has 156 MA's), (Start: 103 @17152 has 1 MA's), (Start: 193 @17311 has 2 MA's), (204, 17344), (215, 17374), (225, 17407), (229, 17419), (268, 17509), (288, 17551), (306, 17614), (309, 17623), (313, 17632), (330, 17671), (345, 17716), (355, 17737), (356, 17740), (404, 17812), (420, 17854), (423, 17860), (431, 17887), (481, 18025), (486, 18043), (500, 18085), (506, 18103), (516, 18133), (529, 18160), (561, 18265), (617, 18424), (628, 18460), (636, 18490), (639, 18499), (657, 18574), (671, 18625), (725, 18820), (733, 18859), (734, 18862), (745, 18880),

Gene: TribleTrouble_21 Start: 17403, Stop: 19166, Start Num: 82
Candidate Starts for TribleTrouble_21:
(Start: 77 @17394 has 26 MA's), (Start: 82 @17403 has 156 MA's), (160, 17508), (185, 17562), (204, 17613), (215, 17643), (222, 17667), (309, 17898), (313, 17907), (319, 17919), (345, 17991), (346, 17994), (348, 18000), (355, 18012), (356, 18015), (404, 18087), (406, 18096), (420, 18129), (423, 18135), (435, 18174), (446, 18210), (501, 18363), (511, 18393), (535, 18450), (561, 18543), (578, 18597), (617, 18699), (627, 18732), (630, 18747), (638, 18771), (645, 18798), (659, 18855), (671, 18900), (701, 19002), (729, 19119), (733, 19137), (736, 19143), (745, 19158),

Gene: Trice_19 Start: 16697, Stop: 18463, Start Num: 82
Candidate Starts for Trice_19:
(Start: 82 @16697 has 156 MA's), (Start: 87 @16703 has 18 MA's), (Start: 103 @16727 has 1 MA's), (177, 16853), (185, 16868), (Start: 193 @16886 has 2 MA's), (215, 16949), (268, 17084), (269, 17090), (309, 17198), (313, 17207), (355, 17312), (402, 17381), (404, 17387), (417, 17423), (423, 17435), (443, 17498), (481, 17600), (486, 17618), (500, 17660), (501, 17663), (544, 17768), (561, 17840), (593, 17948), (595, 17954), (617, 17999), (632, 18053), (639, 18074), (657, 18149), (671, 18200), (701, 18299), (704, 18314), (716, 18350), (725, 18395), (733, 18434), (734, 18437), (745, 18455),

Gene: Trine_18 Start: 14775, Stop: 16385, Start Num: 110
Candidate Starts for Trine_18:
(Start: 110 @14775 has 31 MA's), (188, 14901), (240, 15048), (317, 15222), (375, 15339), (422, 15420), (453, 15525), (485, 15576), (498, 15615), (504, 15636), (546, 15750), (547, 15753), (562, 15813), (566, 15825), (567, 15828), (578, 15855), (636, 15996), (640, 16011), (688, 16191), (700, 16221), (718, 16287), (726, 16329), (738, 16374),

Gene: TruffulaTree_23 Start: 17151, Stop: 18917, Start Num: 82
Candidate Starts for TruffulaTree_23:
(Start: 82 @17151 has 156 MA's), (Start: 103 @17181 has 1 MA's), (Start: 193 @17340 has 2 MA's), (204, 17373), (215, 17403), (225, 17436), (229, 17448), (268, 17538), (288, 17580), (309, 17652), (313, 17661), (330, 17700), (345, 17745), (355, 17766), (356, 17769), (398, 17823), (404, 17841), (420, 17883), (423, 17889), (431, 17916), (481, 18054), (486, 18072), (500, 18114), (506, 18132), (516, 18162), (529, 18189), (561, 18294), (617, 18453), (628, 18489), (636, 18519), (639, 18528), (657, 18603), (671, 18654), (701, 18753), (725, 18849), (733, 18888), (734, 18891), (745, 18909),

Gene: Trumpet_19 Start: 17773, Stop: 19371, Start Num: 121
Candidate Starts for Trumpet_19:

(Start: 121 @17773 has 70 MA's), (240, 18022), (247, 18031), (259, 18049), (260, 18052), (280, 18106), (306, 18181), (333, 18250), (336, 18259), (340, 18271), (357, 18322), (367, 18349), (376, 18358), (378, 18361), (424, 18391), (425, 18394), (443, 18451), (474, 18517), (503, 18595), (521, 18628), (539, 18652), (550, 18688), (577, 18790), (593, 18847), (619, 18892), (622, 18898), (631, 18937), (692, 19177), (711, 19255),

Gene: Tuco_25 Start: 20261, Stop: 21940, Start Num: 119
Candidate Starts for Tuco_25:
(Start: 119 @20261 has 132 MA's), (Start: 169 @20345 has 49 MA's), (Start: 203 @20423 has 1 MA's), (231, 20510), (236, 20525), (259, 20573), (273, 20612), (305, 20699), (319, 20732), (333, 20768), (343, 20798), (345, 20804), (370, 20873), (399, 20903), (403, 20915), (404, 20918), (426, 20975), (483, 21107), (484, 21113), (505, 21179), (507, 21185), (513, 21209), (529, 21257), (540, 21281), (543, 21290), (562, 21365), (580, 21416), (585, 21431), (648, 21593), (654, 21620), (663, 21650), (689, 21755), (716, 21833), (723, 21869), (725, 21878), (732, 21911), (738, 21926),

Gene: TuertoX_17 Start: 14758, Stop: 16467, Start Num: 123
Candidate Starts for TuertoX_17:
(Start: 123 @14758 has 61 MA's), (186, 14875), (236, 15025), (259, 15064), (264, 15079), (292, 15148), (295, 15160), (324, 15238), (326, 15241), (376, 15373), (395, 15427), (424, 15508), (443, 15568), (445, 15574), (446, 15580), (492, 15661), (504, 15697), (531, 15733), (539, 15751), (551, 15790), (567, 15862), (577, 15886), (654, 16120), (658, 16135), (669, 16177), (691, 16270), (692, 16273), (702, 16321), (711, 16351),

Gene: Turuncu_45 Start: 30900, Stop: 32519, Start Num: 109
Candidate Starts for Turuncu_45:
(Start: 109 @30900 has 43 MA's), (Start: 123 @30915 has 61 MA's), (Start: 141 @30936 has 1 MA's), (185, 31014), (232, 31152), (292, 31281), (301, 31311), (312, 31338), (316, 31347), (324, 31362), (365, 31473), (385, 31503), (387, 31506), (417, 31563), (505, 31788), (531, 31827), (549, 31875), (583, 32001), (593, 32037), (629, 32094), (643, 32148), (663, 32223), (701, 32355), (721, 32430), (723, 32442), (726, 32454), (727, 32463), (738, 32499),

Gene: Tuti_20 Start: 17709, Stop: 19289, Start Num: 121
Candidate Starts for Tuti_20:
(53, 17592), (Start: 121 @17709 has 70 MA's), (182, 17793), (206, 17853), (259, 17985), (260, 17988), (280, 18042), (295, 18081), (314, 18138), (324, 18159), (358, 18261), (425, 18330), (430, 18348), (438, 18372), (445, 18393), (474, 18435), (504, 18516), (550, 18606), (577, 18708), (593, 18765), (631, 18855), (701, 19134), (702, 19143), (711, 19173),

Gene: Tweety_16 Start: 14860, Stop: 16569, Start Num: 114
Candidate Starts for Tweety_16:
(Start: 114 @14860 has 231 MA's), (171, 14947), (Start: 193 @14992 has 2 MA's), (202, 15016), (234, 15121), (236, 15127), (242, 15145), (259, 15175), (299, 15280), (321, 15340), (330, 15361), (333, 15370), (341, 15394), (397, 15520), (402, 15535), (404, 15541), (417, 15577), (418, 15580), (424, 15592), (426, 15598), (440, 15646), (445, 15658), (446, 15664), (481, 15724), (485, 15736), (497, 15772), (500, 15784), (527, 15859), (529, 15868), (538, 15886), (540, 15892), (549, 15922), (578, 16027), (580, 16036), (581, 16039), (592, 16075), (631, 16153), (656, 16252), (663, 16273), (671, 16306), (679, 16336), (686, 16366), (688, 16375), (690, 16381), (698, 16396), (699, 16399), (703, 16423), (714, 16453), (718, 16465), (723, 16495), (732, 16537),

Gene: Twinkle_20 Start: 18961, Stop: 20541, Start Num: 121
Candidate Starts for Twinkle_20:
(53, 18844), (Start: 121 @18961 has 70 MA's), (247, 19219), (260, 19240), (280, 19294), (295, 19333), (314, 19390), (324, 19411), (425, 19582), (430, 19600), (438, 19624), (445, 19645), (474, 19687),

(504, 19768), (550, 19858), (561, 19909), (577, 19960), (578, 19963), (593, 20017), (631, 20107), (701, 20386), (702, 20395), (711, 20425),

Gene: Twitch_23 Start: 17188, Stop: 18954, Start Num: 82
Candidate Starts for Twitch_23:
(Start: 82 @17188 has 156 MA's), (Start: 103 @17218 has 1 MA's), (Start: 193 @17377 has 2 MA's), (204, 17410), (215, 17440), (225, 17473), (229, 17485), (268, 17575), (288, 17617), (309, 17689), (313, 17698), (330, 17737), (345, 17782), (355, 17803), (356, 17806), (398, 17860), (404, 17878), (420, 17920), (423, 17926), (431, 17953), (481, 18091), (486, 18109), (500, 18151), (506, 18169), (516, 18199), (529, 18226), (561, 18331), (617, 18490), (628, 18526), (636, 18556), (639, 18565), (657, 18640), (671, 18691), (725, 18886), (733, 18925), (734, 18928), (745, 18946),

Gene: Twonlo_30 Start: 27002, Stop: 28621, Start Num: 126
Candidate Starts for Twonlo_30:
(Start: 126 @27002 has 11 MA's), (140, 27023), (175, 27086), (221, 27209), (225, 27221), (254, 27278), (290, 27356), (334, 27479), (405, 27593), (416, 27623), (431, 27665), (450, 27728), (481, 27776), (484, 27785), (500, 27836), (514, 27884), (566, 28049), (578, 28079), (627, 28187), (628, 28190), (640, 28235), (652, 28292), (654, 28298), (655, 28304), (668, 28352), (671, 28361), (672, 28367), (673, 28370), (688, 28421), (701, 28466), (719, 28535), (729, 28583), (732, 28595),

Gene: Typha_24 Start: 19608, Stop: 21443, Start Num: 47
Candidate Starts for Typha_24:
(Start: 47 @19608 has 6 MA's), (Start: 64 @19656 has 1 MA's), (68, 19665), (Start: 102 @19704 has 1 MA's), (135, 19734), (Start: 141 @19746 has 1 MA's), (160, 19782), (174, 19812), (177, 19821), (185, 19836), (204, 19887), (205, 19890), (239, 19989), (298, 20130), (315, 20181), (319, 20187), (334, 20226), (355, 20280), (404, 20349), (420, 20391), (432, 20427), (435, 20436), (457, 20514), (463, 20523), (470, 20553), (479, 20586), (481, 20589), (500, 20649), (508, 20673), (511, 20682), (541, 20751), (566, 20856), (567, 20859), (578, 20886), (642, 21069), (714, 21324), (733, 21414), (734, 21417), (736, 21420),

Gene: Ubuntu_22 Start: 17406, Stop: 19148, Start Num: 80
Candidate Starts for Ubuntu_22:
(Start: 80 @17406 has 43 MA's), (Start: 87 @17415 has 18 MA's), (120, 17457), (152, 17508), (163, 17532), (170, 17544), (177, 17565), (185, 17580), (Start: 193 @17598 has 2 MA's), (204, 17631), (212, 17658), (236, 17730), (272, 17820), (304, 17904), (307, 17913), (315, 17934), (341, 18000), (354, 18027), (379, 18060), (398, 18078), (405, 18099), (409, 18114), (410, 18117), (435, 18183), (436, 18186), (453, 18252), (464, 18264), (472, 18273), (473, 18276), (501, 18363), (518, 18417), (541, 18462), (543, 18468), (560, 18540), (567, 18570), (578, 18597), (588, 18633), (591, 18642), (627, 18720), (665, 18864), (669, 18882), (672, 18894), (676, 18909), (677, 18912), (682, 18933), (688, 18945), (702, 18993), (713, 19026), (729, 19101), (733, 19119), (745, 19140),

Gene: Ukulele_24 Start: 19504, Stop: 21183, Start Num: 119
Candidate Starts for Ukulele_24:
(Start: 119 @19504 has 132 MA's), (Start: 169 @19588 has 49 MA's), (Start: 203 @19666 has 1 MA's), (231, 19753), (236, 19768), (259, 19816), (273, 19855), (305, 19942), (319, 19975), (333, 20011), (343, 20041), (345, 20047), (370, 20116), (399, 20146), (403, 20158), (404, 20161), (426, 20218), (483, 20350), (484, 20356), (505, 20422), (507, 20428), (513, 20452), (529, 20500), (540, 20524), (543, 20533), (562, 20608), (580, 20659), (585, 20674), (648, 20836), (654, 20863), (663, 20893), (689, 20998), (716, 21076), (723, 21112), (725, 21121), (732, 21154), (738, 21169),

Gene: UmaThurman_19 Start: 16778, Stop: 18424, Start Num: 150
Candidate Starts for UmaThurman_19:

(Start: 130 @16742 has 17 MA's), (Start: 150 @16778 has 49 MA's), (199, 16880), (221, 16952), (223, 16958), (224, 16961), (264, 17057), (278, 17096), (306, 17177), (329, 17231), (334, 17246), (398, 17342), (426, 17417), (435, 17447), (507, 17630), (513, 17654), (562, 17798), (566, 17810), (586, 17870), (628, 18002), (629, 18005), (654, 18104), (659, 18122), (672, 18173), (692, 18239), (709, 18302), (714, 18314),

Gene: UncleRicky_17 Start: 14628, Stop: 16337, Start Num: 114
Candidate Starts for UncleRicky_17:
(Start: 114 @14628 has 231 MA's), (171, 14715), (Start: 193 @14760 has 2 MA's), (202, 14784), (219, 14841), (234, 14889), (236, 14895), (242, 14913), (259, 14943), (299, 15048), (318, 15102), (321, 15108), (325, 15117), (330, 15129), (333, 15138), (341, 15162), (354, 15198), (356, 15204), (359, 15216), (367, 15237), (369, 15240), (371, 15249), (378, 15264), (381, 15270), (397, 15288), (402, 15303), (404, 15309), (409, 15327), (410, 15330), (417, 15345), (424, 15360), (426, 15366), (435, 15396), (440, 15414), (445, 15426), (446, 15432), (481, 15492), (485, 15504), (497, 15540), (500, 15552), (507, 15573), (527, 15627), (529, 15636), (540, 15660), (549, 15690), (578, 15795), (581, 15807), (592, 15843), (622, 15882), (631, 15921), (656, 16020), (663, 16041), (671, 16074), (679, 16104), (686, 16134), (688, 16143), (690, 16149), (698, 16164), (699, 16167), (702, 16188), (703, 16191), (718, 16233), (723, 16263), (732, 16305), (733, 16311),

Gene: Unicorn_22 Start: 16372, Stop: 18138, Start Num: 82
Candidate Starts for Unicorn_22:
(Start: 77 @16363 has 26 MA's), (Start: 82 @16372 has 156 MA's), (Start: 103 @16402 has 1 MA's), (185, 16543), (Start: 193 @16561 has 2 MA's), (204, 16594), (215, 16624), (229, 16669), (268, 16759), (284, 16795), (313, 16882), (348, 16975), (355, 16987), (356, 16990), (369, 17008), (384, 17029), (398, 17044), (402, 17056), (404, 17062), (420, 17104), (423, 17110), (486, 17293), (506, 17353), (542, 17437), (547, 17455), (561, 17515), (584, 17590), (591, 17614), (617, 17674), (627, 17707), (628, 17710), (632, 17728), (639, 17749), (657, 17824), (671, 17875), (677, 17902), (701, 17974), (716, 18025), (733, 18109), (734, 18112), (745, 18130),

Gene: Upyo_18 Start: 14948, Stop: 16558, Start Num: 110
Candidate Starts for Upyo_18:
(62, 14867), (Start: 110 @14948 has 31 MA's), (Start: 126 @14957 has 11 MA's), (174, 15041), (188, 15074), (226, 15182), (240, 15221), (270, 15272), (288, 15305), (317, 15395), (330, 15425), (375, 15512), (420, 15590), (422, 15593), (445, 15665), (453, 15698), (485, 15749), (497, 15785), (504, 15809), (523, 15869), (546, 15923), (547, 15926), (559, 15968), (562, 15986), (566, 15998), (621, 16112), (636, 16169), (640, 16184), (726, 16502), (738, 16547),

Gene: Urkel_23 Start: 17102, Stop: 18868, Start Num: 82
Candidate Starts for Urkel_23:
(Start: 82 @17102 has 156 MA's), (Start: 103 @17132 has 1 MA's), (Start: 193 @17291 has 2 MA's), (204, 17324), (215, 17354), (225, 17387), (229, 17399), (268, 17489), (288, 17531), (309, 17603), (313, 17612), (330, 17651), (345, 17696), (356, 17720), (404, 17792), (420, 17834), (423, 17840), (431, 17867), (481, 18005), (486, 18023), (500, 18065), (516, 18113), (529, 18140), (561, 18245), (588, 18335), (628, 18440), (636, 18470), (639, 18479), (657, 18554), (671, 18605), (725, 18800), (733, 18839), (734, 18842), (745, 18860),

Gene: Utz_19 Start: 16645, Stop: 18291, Start Num: 150
Candidate Starts for Utz_19:
(Start: 130 @16609 has 17 MA's), (Start: 150 @16645 has 49 MA's), (199, 16747), (223, 16825), (224, 16828), (264, 16924), (278, 16963), (306, 17044), (329, 17098), (334, 17113), (426, 17284), (435, 17314), (507, 17497), (513, 17521), (514, 17524), (534, 17572), (562, 17665), (566, 17677), (582, 17722), (586, 17737), (628, 17869), (629, 17872), (654, 17971), (659, 17989), (672, 18040), (692, 18106), (709, 18169), (714, 18181),

Gene: VRedHorse_16 Start: 14970, Stop: 16679, Start Num: 114
Candidate Starts for VRedHorse_16:
(Start: 114 @14970 has 231 MA's), (171, 15057), (Start: 193 @15102 has 2 MA's), (202, 15126), (219, 15183), (234, 15231), (236, 15237), (242, 15255), (259, 15285), (299, 15390), (321, 15450), (325, 15459), (333, 15480), (341, 15504), (356, 15546), (367, 15579), (371, 15591), (378, 15606), (397, 15630), (402, 15645), (404, 15651), (417, 15687), (424, 15702), (426, 15708), (428, 15717), (440, 15756), (445, 15768), (446, 15774), (481, 15834), (497, 15882), (500, 15894), (507, 15915), (527, 15969), (529, 15978), (538, 15996), (540, 16002), (549, 16032), (578, 16137), (581, 16149), (592, 16185), (622, 16224), (631, 16263), (656, 16362), (663, 16383), (671, 16416), (679, 16446), (686, 16476), (687, 16482), (688, 16485), (690, 16491), (698, 16506), (699, 16509), (702, 16530), (718, 16575), (723, 16605), (732, 16647), (733, 16653),

Gene: Vagabond_56 Start: 33305, Stop: 35041, Start Num: 94
Candidate Starts for Vagabond_56:
(Start: 89 @33296 has 2 MA's), (Start: 94 @33305 has 30 MA's), (Start: 156 @33395 has 1 MA's), (207, 33512), (219, 33548), (226, 33569), (234, 33596), (236, 33602), (249, 33632), (261, 33656), (283, 33707), (333, 33845), (335, 33851), (352, 33902), (354, 33905), (359, 33923), (397, 33974), (404, 33995), (405, 33998), (424, 34046), (426, 34052), (440, 34100), (443, 34106), (445, 34112), (471, 34172), (481, 34196), (483, 34199), (497, 34244), (501, 34259), (504, 34268), (507, 34277), (522, 34322), (529, 34340), (543, 34373), (581, 34511), (587, 34532), (625, 34598), (632, 34628), (646, 34682), (656, 34724), (663, 34745), (667, 34766), (671, 34778), (676, 34799), (690, 34853), (716, 34931), (723, 34967), (727, 34988), (733, 35015),

Gene: Validus_23 Start: 16448, Stop: 18214, Start Num: 82
Candidate Starts for Validus_23:
(Start: 82 @16448 has 156 MA's), (Start: 103 @16478 has 1 MA's), (177, 16604), (185, 16619), (Start: 193 @16637 has 2 MA's), (204, 16670), (229, 16745), (236, 16763), (268, 16835), (284, 16871), (309, 16949), (313, 16958), (348, 17051), (355, 17063), (356, 17066), (402, 17132), (404, 17138), (417, 17174), (420, 17180), (423, 17186), (431, 17213), (481, 17351), (486, 17369), (506, 17429), (516, 17459), (529, 17486), (544, 17519), (561, 17591), (578, 17645), (593, 17699), (595, 17705), (617, 17750), (627, 17783), (629, 17789), (636, 17816), (639, 17825), (657, 17900), (671, 17951), (704, 18065), (725, 18146), (733, 18185), (734, 18188), (745, 18206),

Gene: Vasanti_17 Start: 14704, Stop: 16413, Start Num: 123
Candidate Starts for Vasanti_17:
(51, 14569), (53, 14584), (Start: 123 @14704 has 61 MA's), (147, 14746), (186, 14821), (210, 14893), (211, 14896), (264, 15025), (295, 15106), (324, 15184), (326, 15187), (340, 15232), (395, 15373), (424, 15454), (435, 15490), (443, 15514), (446, 15526), (474, 15562), (531, 15679), (544, 15712), (551, 15736), (567, 15808), (577, 15832), (578, 15835), (654, 16066), (658, 16081), (691, 16216), (692, 16219), (702, 16267), (711, 16297),

Gene: Veliki_23 Start: 17191, Stop: 18957, Start Num: 82
Candidate Starts for Veliki_23:
(Start: 82 @17191 has 156 MA's), (Start: 103 @17221 has 1 MA's), (Start: 193 @17380 has 2 MA's), (204, 17413), (215, 17443), (225, 17476), (229, 17488), (268, 17578), (288, 17620), (309, 17692), (313, 17701), (330, 17740), (345, 17785), (355, 17806), (356, 17809), (398, 17863), (404, 17881), (420, 17923), (423, 17929), (431, 17956), (481, 18094), (486, 18112), (500, 18154), (506, 18172), (516, 18202), (529, 18229), (561, 18334), (617, 18493), (628, 18529), (636, 18559), (639, 18568), (657, 18643), (671, 18694), (701, 18793), (725, 18889), (733, 18928), (734, 18931), (745, 18949),

Gene: Velveteen_17 Start: 14635, Stop: 16344, Start Num: 114
Candidate Starts for Velveteen_17:

(Start: 114 @14635 has 231 MA's), (171, 14722), (Start: 193 @14767 has 2 MA's), (202, 14791), (234, 14896), (236, 14902), (242, 14920), (259, 14950), (299, 15055), (321, 15115), (330, 15136), (333, 15145), (341, 15169), (367, 15244), (369, 15247), (397, 15295), (402, 15310), (404, 15316), (417, 15352), (418, 15355), (424, 15367), (426, 15373), (440, 15421), (445, 15433), (446, 15439), (481, 15499), (485, 15511), (497, 15547), (500, 15559), (527, 15634), (529, 15643), (538, 15661), (540, 15667), (549, 15697), (578, 15802), (580, 15811), (581, 15814), (592, 15850), (631, 15928), (656, 16027), (663, 16048), (671, 16081), (679, 16111), (686, 16141), (688, 16150), (690, 16156), (698, 16171), (699, 16174), (703, 16198), (714, 16228), (718, 16240), (723, 16270), (732, 16312),

Gene: Vendetta_22 Start: 16480, Stop: 17808, Start Num: 209
Candidate Starts for Vendetta_22:
(Start: 209 @16480 has 11 MA's), (217, 16495), (275, 16639), (294, 16684), (307, 16729), (316, 16753), (329, 16783), (336, 16804), (339, 16813), (347, 16837), (350, 16846), (369, 16897), (382, 16909), (448, 17002), (451, 17011), (462, 17020), (490, 17065), (498, 17083), (550, 17176), (559, 17221), (580, 17290), (589, 17311), (629, 17392), (638, 17425), (663, 17512), (672, 17548), (675, 17563), (678, 17572), (692, 17614), (701, 17653), (717, 17707), (720, 17725), (732, 17782), (735, 17791),

Gene: Venti_19 Start: 16385, Stop: 18121, Start Num: 107
Candidate Starts for Venti_19:
(Start: 90 @16361 has 2 MA's), (Start: 107 @16385 has 54 MA's), (148, 16445), (159, 16466), (161, 16469), (211, 16589), (225, 16628), (235, 16661), (244, 16685), (294, 16805), (305, 16844), (307, 16850), (339, 16934), (341, 16940), (345, 16952), (354, 16976), (362, 17003), (370, 17021), (396, 17060), (397, 17066), (405, 17090), (426, 17144), (429, 17156), (432, 17165), (450, 17225), (487, 17303), (500, 17342), (511, 17375), (529, 17441), (537, 17456), (540, 17465), (547, 17489), (555, 17519), (559, 17531), (590, 17633), (593, 17645), (594, 17648), (596, 17654), (616, 17663), (646, 17771), (667, 17855), (693, 17954), (725, 18062), (738, 18110),

Gene: Verity_34 Start: 30944, Stop: 32566, Start Num: 123
Candidate Starts for Verity_34:
(Start: 81 @30887 has 1 MA's), (Start: 123 @30944 has 61 MA's), (140, 30965), (175, 31028), (202, 31091), (221, 31151), (225, 31163), (268, 31250), (290, 31301), (299, 31331), (330, 31412), (339, 31439), (405, 31538), (416, 31568), (420, 31577), (432, 31613), (450, 31673), (481, 31721), (484, 31730), (514, 31829), (532, 31868), (538, 31880), (581, 32036), (585, 32048), (602, 32075), (627, 32132), (638, 32171), (640, 32180), (652, 32237), (655, 32249), (668, 32297), (671, 32306), (672, 32312), (677, 32333), (701, 32411), (734, 32549),

Gene: Veteran_16 Start: 14805, Stop: 16514, Start Num: 114
Candidate Starts for Veteran_16:
(Start: 114 @14805 has 231 MA's), (171, 14892), (Start: 193 @14937 has 2 MA's), (202, 14961), (234, 15066), (236, 15072), (242, 15090), (259, 15120), (299, 15225), (318, 15279), (321, 15285), (325, 15294), (330, 15306), (333, 15315), (341, 15339), (354, 15375), (356, 15381), (359, 15393), (367, 15414), (369, 15417), (371, 15426), (378, 15441), (381, 15447), (397, 15465), (402, 15480), (404, 15486), (409, 15504), (410, 15507), (417, 15522), (424, 15537), (426, 15543), (435, 15573), (440, 15591), (445, 15603), (446, 15609), (481, 15669), (485, 15681), (497, 15717), (500, 15729), (507, 15750), (527, 15804), (529, 15813), (540, 15837), (549, 15867), (578, 15972), (581, 15984), (592, 16020), (622, 16059), (631, 16098), (656, 16197), (663, 16218), (671, 16251), (679, 16281), (686, 16311), (688, 16320), (690, 16326), (698, 16341), (699, 16344), (702, 16365), (703, 16368), (718, 16410), (723, 16440), (732, 16482), (733, 16488),

Gene: ViaConlectus_35 Start: 29390, Stop: 31012, Start Num: 123
Candidate Starts for ViaConlectus_35:

(Start: 123 @29390 has 61 MA's), (140, 29411), (145, 29423), (175, 29474), (Start: 193 @29513 has 2 MA's), (202, 29537), (225, 29609), (268, 29696), (290, 29747), (299, 29777), (344, 29900), (405, 29984), (416, 30014), (420, 30023), (431, 30056), (432, 30059), (450, 30119), (481, 30167), (484, 30176), (514, 30275), (532, 30314), (538, 30326), (581, 30482), (602, 30521), (628, 30581), (629, 30584), (636, 30611), (640, 30626), (652, 30683), (655, 30695), (668, 30743), (671, 30752), (672, 30758), (677, 30779), (688, 30812), (697, 30842), (701, 30857), (716, 30908), (732, 30986), (734, 30995),

Gene: Vidya_19 Start: 16385, Stop: 18121, Start Num: 107
Candidate Starts for Vidya_19:
(Start: 90 @16361 has 2 MA's), (Start: 107 @16385 has 54 MA's), (148, 16445), (159, 16466), (161, 16469), (211, 16589), (225, 16628), (235, 16661), (244, 16685), (294, 16805), (305, 16844), (307, 16850), (339, 16934), (341, 16940), (345, 16952), (354, 16976), (362, 17003), (370, 17021), (396, 17060), (397, 17066), (405, 17090), (426, 17144), (429, 17156), (432, 17165), (450, 17225), (487, 17303), (500, 17342), (511, 17375), (529, 17441), (537, 17456), (540, 17465), (547, 17489), (555, 17519), (559, 17531), (590, 17633), (593, 17645), (594, 17648), (596, 17654), (616, 17663), (646, 17771), (667, 17855), (693, 17954), (725, 18062), (738, 18110),

Gene: Violac_17 Start: 15353, Stop: 17062, Start Num: 114
Candidate Starts for Violac_17:
(Start: 114 @15353 has 231 MA's), (171, 15440), (181, 15461), (Start: 193 @15485 has 2 MA's), (202, 15509), (207, 15530), (234, 15614), (236, 15620), (242, 15638), (259, 15668), (299, 15773), (318, 15827), (321, 15833), (329, 15851), (330, 15854), (333, 15863), (341, 15887), (367, 15962), (371, 15974), (378, 15989), (381, 15995), (397, 16013), (402, 16028), (404, 16034), (410, 16055), (417, 16070), (424, 16085), (426, 16091), (440, 16139), (445, 16151), (446, 16157), (481, 16217), (485, 16229), (497, 16265), (500, 16277), (507, 16298), (527, 16352), (529, 16361), (538, 16379), (540, 16385), (549, 16415), (578, 16520), (581, 16532), (592, 16568), (621, 16604), (622, 16607), (631, 16646), (640, 16676), (656, 16745), (663, 16766), (671, 16799), (679, 16829), (686, 16859), (687, 16865), (688, 16868), (690, 16874), (698, 16889), (699, 16892), (702, 16913), (703, 16916), (718, 16958), (732, 17030), (733, 17036),

Gene: ViviJ_20 Start: 17352, Stop: 19124, Start Num: 87
Candidate Starts for ViviJ_20:
(Start: 87 @17352 has 18 MA's), (Start: 89 @17358 has 2 MA's), (106, 17382), (135, 17415), (160, 17463), (185, 17517), (204, 17568), (225, 17631), (269, 17739), (309, 17847), (355, 17961), (356, 17964), (384, 18003), (398, 18018), (402, 18030), (404, 18036), (417, 18072), (420, 18078), (423, 18084), (435, 18123), (443, 18147), (481, 18249), (501, 18312), (561, 18492), (591, 18591), (621, 18669), (627, 18693), (629, 18699), (638, 18732), (657, 18810), (659, 18816), (702, 18969), (728, 19074), (729, 19077), (733, 19095),

Gene: Vivum_16 Start: 14751, Stop: 16460, Start Num: 114
Candidate Starts for Vivum_16:
(Start: 114 @14751 has 231 MA's), (171, 14838), (Start: 193 @14883 has 2 MA's), (202, 14907), (234, 15012), (236, 15018), (242, 15036), (259, 15066), (299, 15171), (321, 15231), (329, 15249), (330, 15252), (333, 15261), (341, 15285), (397, 15411), (402, 15426), (404, 15432), (417, 15468), (418, 15471), (424, 15483), (426, 15489), (440, 15537), (445, 15549), (446, 15555), (481, 15615), (485, 15627), (497, 15663), (500, 15675), (527, 15750), (529, 15759), (538, 15777), (540, 15783), (549, 15813), (578, 15918), (581, 15930), (592, 15966), (631, 16044), (663, 16164), (671, 16197), (679, 16227), (681, 16239), (686, 16257), (687, 16263), (688, 16266), (690, 16272), (698, 16287), (699, 16290), (702, 16311), (703, 16314), (718, 16356), (723, 16386), (732, 16428), (733, 16434),

Gene: Vordorf_22 Start: 18371, Stop: 20029, Start Num: 109
Candidate Starts for Vordorf_22:

(39, 18182), (49, 18242), (85, 18335), (Start: 109 @18371 has 43 MA's), (Start: 121 @18383 has 70 MA's), (185, 18497), (187, 18503), (214, 18581), (232, 18647), (234, 18653), (288, 18764), (291, 18773), (298, 18800), (300, 18806), (301, 18809), (307, 18830), (402, 19001), (403, 19004), (427, 19070), (432, 19085), (462, 19169), (473, 19178), (490, 19220), (497, 19241), (512, 19289), (514, 19301), (527, 19328), (551, 19397), (565, 19466), (578, 19499), (605, 19556), (628, 19607), (646, 19676), (659, 19727), (668, 19763), (672, 19778), (689, 19835), (692, 19844), (702, 19883), (715, 19922), (717, 19928),

Gene: Vorrps_56 Start: 33517, Stop: 35253, Start Num: 94
Candidate Starts for Vorrps_56:
(Start: 89 @33508 has 2 MA's), (Start: 94 @33517 has 30 MA's), (Start: 156 @33607 has 1 MA's), (207, 33724), (219, 33760), (226, 33781), (234, 33808), (236, 33814), (249, 33844), (261, 33868), (283, 33919), (333, 34057), (335, 34063), (352, 34114), (354, 34117), (359, 34135), (397, 34186), (404, 34207), (405, 34210), (424, 34258), (426, 34264), (440, 34312), (443, 34318), (445, 34324), (471, 34384), (481, 34408), (483, 34411), (497, 34456), (501, 34471), (504, 34480), (507, 34489), (522, 34534), (529, 34552), (543, 34585), (581, 34723), (587, 34744), (625, 34810), (632, 34840), (646, 34894), (656, 34936), (663, 34957), (667, 34978), (671, 34990), (676, 35011), (690, 35065), (716, 35143), (723, 35179), (727, 35200), (733, 35227),

Gene: WST1_18 Start: 14319, Stop: 16085, Start Num: 102
Candidate Starts for WST1_18:
(Start: 102 @14319 has 1 MA's), (155, 14391), (195, 14472), (201, 14496), (216, 14538), (255, 14640), (264, 14664), (269, 14682), (319, 14817), (334, 14856), (388, 14961), (402, 14991), (420, 15039), (500, 15255), (550, 15387), (575, 15483), (590, 15534), (630, 15660), (632, 15666), (656, 15759), (657, 15762), (695, 15909), (700, 15924), (730, 16053), (732, 16062),

Gene: Wachhund_16 Start: 14831, Stop: 16540, Start Num: 114
Candidate Starts for Wachhund_16:
(Start: 114 @14831 has 231 MA's), (171, 14918), (Start: 193 @14963 has 2 MA's), (202, 14987), (234, 15092), (236, 15098), (242, 15116), (259, 15146), (299, 15251), (321, 15311), (330, 15332), (333, 15341), (341, 15365), (397, 15491), (402, 15506), (404, 15512), (417, 15548), (418, 15551), (424, 15563), (426, 15569), (440, 15617), (445, 15629), (446, 15635), (481, 15695), (485, 15707), (497, 15743), (500, 15755), (527, 15830), (529, 15839), (538, 15857), (540, 15863), (549, 15893), (578, 15998), (580, 16007), (581, 16010), (592, 16046), (631, 16124), (656, 16223), (663, 16244), (671, 16277), (679, 16307), (686, 16337), (688, 16346), (690, 16352), (698, 16367), (699, 16370), (703, 16394), (714, 16424), (718, 16436), (723, 16466), (732, 16508),

Gene: Walrus_20 Start: 16873, Stop: 18519, Start Num: 150
Candidate Starts for Walrus_20:
(Start: 130 @16837 has 17 MA's), (Start: 150 @16873 has 49 MA's), (199, 16975), (223, 17053), (224, 17056), (264, 17152), (278, 17191), (306, 17272), (329, 17326), (334, 17341), (398, 17437), (426, 17512), (435, 17542), (507, 17725), (513, 17749), (534, 17800), (562, 17893), (566, 17905), (582, 17950), (586, 17965), (628, 18097), (629, 18100), (654, 18199), (659, 18217), (672, 18268), (690, 18328), (692, 18334), (709, 18397), (714, 18409),

Gene: Wanda_37 Start: 26916, Stop: 28914, Start Num: 113
Candidate Starts for Wanda_37:
(Start: 113 @26916 has 31 MA's), (Start: 169 @27006 has 49 MA's), (189, 27054), (202, 27084), (Start: 209 @27111 has 11 MA's), (244, 27213), (260, 27243), (278, 27294), (296, 27342), (307, 27378), (308, 27384), (319, 27405), (345, 27477), (348, 27486), (356, 27507), (404, 27615), (405, 27618), (409, 27633), (426, 27672), (440, 27720), (445, 27732), (446, 27738), (470, 27786), (472, 27795), (483, 27816), (487, 27834), (503, 27882), (538, 27984), (559, 28056), (569, 28101), (570, 28113), (571, 28248), (572, 28254), (573, 28278), (574, 28350), (576, 28377), (664, 28626),

Gene: Waterfoul_21 Start: 17516, Stop: 19288, Start Num: 87
Candidate Starts for Waterfoul_21:
(Start: 87 @17516 has 18 MA's), (Start: 89 @17522 has 2 MA's), (106, 17546), (135, 17579), (160, 17627), (185, 17681), (204, 17732), (225, 17795), (269, 17903), (309, 18011), (355, 18125), (356, 18128), (384, 18167), (398, 18182), (402, 18194), (404, 18200), (420, 18242), (423, 18248), (435, 18287), (443, 18311), (481, 18413), (501, 18476), (514, 18521), (561, 18656), (591, 18755), (621, 18833), (627, 18857), (629, 18863), (632, 18878), (657, 18974), (659, 18980), (702, 19133), (728, 19238), (729, 19241), (733, 19259),

Gene: Webster2_22 Start: 17406, Stop: 19148, Start Num: 80
Candidate Starts for Webster2_22:
(Start: 80 @17406 has 43 MA's), (Start: 87 @17415 has 18 MA's), (120, 17457), (152, 17508), (163, 17532), (170, 17544), (177, 17565), (185, 17580), (Start: 193 @17598 has 2 MA's), (204, 17631), (212, 17658), (236, 17730), (272, 17820), (304, 17904), (307, 17913), (315, 17934), (341, 18000), (354, 18027), (379, 18060), (398, 18078), (405, 18099), (409, 18114), (410, 18117), (435, 18183), (436, 18186), (453, 18252), (464, 18264), (472, 18273), (473, 18276), (501, 18363), (518, 18417), (541, 18462), (543, 18468), (560, 18540), (567, 18570), (578, 18597), (588, 18633), (591, 18642), (627, 18720), (665, 18864), (669, 18882), (672, 18894), (676, 18909), (677, 18912), (682, 18933), (688, 18945), (702, 18993), (713, 19026), (729, 19101), (733, 19119), (745, 19140),

Gene: Wee_17 Start: 15380, Stop: 17089, Start Num: 114
Candidate Starts for Wee_17:
(Start: 114 @15380 has 231 MA's), (171, 15467), (Start: 193 @15512 has 2 MA's), (202, 15536), (234, 15641), (236, 15647), (242, 15665), (259, 15695), (299, 15800), (321, 15860), (330, 15881), (333, 15890), (341, 15914), (397, 16040), (402, 16055), (404, 16061), (417, 16097), (418, 16100), (424, 16112), (426, 16118), (440, 16166), (445, 16178), (446, 16184), (481, 16244), (485, 16256), (497, 16292), (500, 16304), (527, 16379), (529, 16388), (538, 16406), (540, 16412), (549, 16442), (578, 16547), (580, 16556), (581, 16559), (592, 16595), (631, 16673), (656, 16772), (663, 16793), (671, 16826), (679, 16856), (686, 16886), (688, 16895), (690, 16901), (698, 16916), (699, 16919), (703, 16943), (714, 16973), (718, 16985), (723, 17015), (732, 17057),

Gene: Weirdo19_19 Start: 16080, Stop: 17819, Start Num: 80
Candidate Starts for Weirdo19_19:
(63, 16044), (Start: 80 @16080 has 43 MA's), (Start: 94 @16101 has 30 MA's), (96, 16104), (142, 16164), (146, 16170), (152, 16176), (163, 16200), (177, 16233), (212, 16326), (220, 16347), (258, 16446), (307, 16581), (309, 16587), (315, 16602), (327, 16626), (341, 16668), (402, 16758), (405, 16767), (431, 16839), (435, 16851), (436, 16854), (441, 16869), (453, 16920), (479, 16965), (490, 16995), (514, 17076), (551, 17163), (593, 17319), (600, 17325), (665, 17532), (688, 17616), (696, 17637), (701, 17655), (715, 17703), (727, 17763),

Gene: WelcomeAyanna_18 Start: 17806, Stop: 19404, Start Num: 121
Candidate Starts for WelcomeAyanna_18:
(31, 17509), (37, 17584), (38, 17605), (53, 17689), (Start: 121 @17806 has 70 MA's), (247, 18064), (259, 18082), (260, 18085), (280, 18139), (333, 18283), (340, 18304), (357, 18355), (376, 18391), (378, 18394), (425, 18427), (443, 18484), (521, 18661), (539, 18685), (550, 18721), (577, 18823), (593, 18880), (631, 18970), (692, 19210), (711, 19288),

Gene: Wendigo_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Wendigo_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369),

(431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Whack_18 Start: 17086, Stop: 18663, Start Num: 126
Candidate Starts for Whack_18:
(Start: 126 @17086 has 11 MA's), (Start: 193 @17212 has 2 MA's), (Start: 203 @17242 has 1 MA's), (304, 17488), (309, 17503), (339, 17578), (402, 17668), (403, 17671), (404, 17674), (426, 17734), (498, 17914), (559, 18070), (597, 18172), (603, 18184), (608, 18193), (640, 18286), (651, 18331), (656, 18352), (679, 18439), (727, 18616), (730, 18628), (734, 18646),

Gene: Whatsapiecost_16 Start: 14856, Stop: 16565, Start Num: 114
Candidate Starts for Whatsapiecost_16:
(Start: 114 @14856 has 231 MA's), (171, 14943), (Start: 193 @14988 has 2 MA's), (202, 15012), (234, 15117), (236, 15123), (242, 15141), (259, 15171), (299, 15276), (321, 15336), (330, 15357), (333, 15366), (341, 15390), (397, 15516), (402, 15531), (404, 15537), (417, 15573), (418, 15576), (424, 15588), (426, 15594), (440, 15642), (445, 15654), (446, 15660), (481, 15720), (485, 15732), (497, 15768), (500, 15780), (527, 15855), (529, 15864), (538, 15882), (540, 15888), (549, 15918), (578, 16023), (580, 16032), (581, 16035), (592, 16071), (631, 16149), (656, 16248), (663, 16269), (671, 16302), (679, 16332), (686, 16362), (688, 16371), (690, 16377), (698, 16392), (699, 16395), (703, 16419), (714, 16449), (718, 16461), (723, 16491), (732, 16533),

Gene: WheatThin_22 Start: 17344, Stop: 19050, Start Num: 130
Candidate Starts for WheatThin_22:
(Start: 73 @17269 has 2 MA's), (Start: 130 @17344 has 17 MA's), (177, 17437), (185, 17452), (187, 17458), (215, 17533), (237, 17605), (286, 17716), (300, 17761), (305, 17779), (309, 17791), (402, 17962), (405, 17971), (406, 17977), (420, 18010), (441, 18073), (453, 18124), (472, 18148), (479, 18172), (504, 18247), (516, 18286), (559, 18418), (593, 18532), (627, 18619), (656, 18733), (659, 18742), (688, 18847), (715, 18934), (745, 19042),

Gene: Wheezy_41 Start: 29808, Stop: 31421, Start Num: 109
Candidate Starts for Wheezy_41:
(Start: 109 @29808 has 43 MA's), (Start: 141 @29844 has 1 MA's), (152, 29862), (185, 29922), (280, 30162), (287, 30174), (292, 30189), (316, 30255), (324, 30270), (332, 30294), (333, 30297), (365, 30381), (385, 30411), (387, 30414), (417, 30471), (434, 30519), (435, 30522), (442, 30543), (488, 30648), (504, 30693), (531, 30735), (583, 30909), (592, 30939), (593, 30945), (642, 31053), (643, 31056), (663, 31131), (723, 31350), (738, 31407),

Gene: Whiteclaw_17 Start: 14758, Stop: 16467, Start Num: 123
Candidate Starts for Whiteclaw_17:
(Start: 123 @14758 has 61 MA's), (186, 14875), (236, 15025), (259, 15064), (264, 15079), (292, 15148), (295, 15160), (324, 15238), (326, 15241), (376, 15373), (395, 15427), (424, 15508), (443, 15568), (445, 15574), (446, 15580), (492, 15661), (504, 15697), (531, 15733), (539, 15751), (551, 15790), (567, 15862), (577, 15886), (654, 16120), (658, 16135), (669, 16177), (691, 16270), (692, 16273), (702, 16321), (711, 16351),

Gene: WhoseManz_43 Start: 27503, Stop: 29119, Start Num: 109
Candidate Starts for WhoseManz_43:
(Start: 109 @27503 has 43 MA's), (Start: 121 @27515 has 70 MA's), (Start: 141 @27539 has 1 MA's), (185, 27617), (259, 27800), (280, 27857), (287, 27869), (292, 27884), (316, 27950), (324, 27965), (332, 27989), (365, 28076), (368, 28082), (385, 28106), (417, 28166), (428, 28196), (435, 28217), (480, 28322), (488, 28343), (531, 28430), (549, 28478), (583, 28604), (593, 28640), (656, 28805), (662, 28823), (671, 28859), (721, 29033), (723, 29045), (738, 29102),

Gene: Whouxphf_16 Start: 14910, Stop: 16619, Start Num: 114
Candidate Starts for Whouxphf_16:
(Start: 114 @14910 has 231 MA's), (171, 14997), (181, 15018), (Start: 193 @15042 has 2 MA's), (202, 15066), (234, 15171), (236, 15177), (242, 15195), (259, 15225), (299, 15330), (321, 15390), (330, 15411), (333, 15420), (341, 15444), (354, 15480), (356, 15486), (359, 15498), (367, 15519), (381, 15552), (397, 15570), (402, 15585), (404, 15591), (417, 15627), (424, 15642), (426, 15648), (440, 15696), (445, 15708), (446, 15714), (481, 15774), (497, 15822), (500, 15834), (507, 15855), (527, 15909), (529, 15918), (538, 15936), (540, 15942), (549, 15972), (578, 16077), (581, 16089), (592, 16125), (631, 16203), (656, 16302), (663, 16323), (671, 16356), (679, 16386), (686, 16416), (687, 16422), (688, 16425), (690, 16431), (698, 16446), (699, 16449), (702, 16470), (703, 16473), (718, 16515), (732, 16587),

Gene: Widow_18 Start: 15130, Stop: 16746, Start Num: 110
Candidate Starts for Widow_18:
(Start: 110 @15130 has 31 MA's), (174, 15226), (236, 15394), (240, 15406), (270, 15457), (317, 15580), (375, 15697), (420, 15775), (445, 15850), (453, 15883), (498, 15976), (504, 15997), (547, 16114), (559, 16156), (562, 16174), (566, 16186), (567, 16189), (618, 16294), (621, 16300), (625, 16315), (640, 16372), (701, 16591), (726, 16690),

Gene: Wiggin_27 Start: 20250, Stop: 21929, Start Num: 119
Candidate Starts for Wiggin_27:
(Start: 119 @20250 has 132 MA's), (Start: 169 @20334 has 49 MA's), (Start: 203 @20412 has 1 MA's), (231, 20499), (236, 20514), (259, 20562), (273, 20601), (305, 20688), (319, 20721), (333, 20757), (343, 20787), (345, 20793), (370, 20862), (399, 20892), (403, 20904), (404, 20907), (426, 20964), (483, 21096), (484, 21102), (505, 21168), (507, 21174), (513, 21198), (529, 21246), (540, 21270), (543, 21279), (562, 21354), (580, 21405), (585, 21420), (648, 21582), (654, 21609), (663, 21639), (689, 21744), (716, 21822), (723, 21858), (725, 21867), (732, 21900), (738, 21915),

Gene: Wildflower_56 Start: 33020, Stop: 34765, Start Num: 89
Candidate Starts for Wildflower_56:
(Start: 89 @33020 has 2 MA's), (Start: 94 @33029 has 30 MA's), (Start: 156 @33119 has 1 MA's), (207, 33236), (219, 33272), (226, 33293), (234, 33320), (236, 33326), (249, 33356), (261, 33380), (283, 33431), (333, 33569), (335, 33575), (352, 33626), (354, 33629), (359, 33647), (397, 33698), (404, 33719), (405, 33722), (417, 33755), (424, 33770), (426, 33776), (440, 33824), (443, 33830), (445, 33836), (471, 33896), (481, 33920), (483, 33923), (497, 33968), (501, 33983), (504, 33992), (507, 34001), (522, 34046), (529, 34064), (543, 34097), (581, 34235), (587, 34256), (625, 34322), (632, 34352), (646, 34406), (656, 34448), (663, 34469), (667, 34490), (671, 34502), (676, 34523), (690, 34577), (716, 34655), (723, 34691), (727, 34712), (733, 34739),

Gene: WillSterrel_17 Start: 16164, Stop: 17873, Start Num: 114
Candidate Starts for WillSterrel_17:
(Start: 114 @16164 has 231 MA's), (171, 16251), (Start: 193 @16296 has 2 MA's), (202, 16320), (234, 16425), (236, 16431), (242, 16449), (259, 16479), (299, 16584), (321, 16644), (330, 16665), (333, 16674), (341, 16698), (354, 16734), (356, 16740), (367, 16773), (369, 16776), (371, 16785), (378, 16800), (381, 16806), (397, 16824), (402, 16839), (404, 16845), (409, 16863), (410, 16866), (417, 16881), (424, 16896), (426, 16902), (440, 16950), (445, 16962), (446, 16968), (481, 17028), (485, 17040), (497, 17076), (500, 17088), (527, 17163), (529, 17172), (538, 17190), (540, 17196), (549, 17226), (578, 17331), (581, 17343), (592, 17379), (631, 17457), (663, 17577), (671, 17610), (679, 17640), (681, 17652), (686, 17670), (687, 17676), (688, 17679), (690, 17685), (698, 17700), (699, 17703), (702, 17724), (703, 17727), (718, 17769), (723, 17799), (732, 17841), (733, 17847),

Gene: Willez_23 Start: 19334, Stop: 20929, Start Num: 169

Candidate Starts for Willez_23:
(Start: 119 @19250 has 132 MA's), (Start: 169 @19334 has 49 MA's), (Start: 203 @19412 has 1 MA's), (231, 19499), (236, 19514), (259, 19562), (273, 19601), (305, 19688), (319, 19721), (333, 19757), (343, 19787), (345, 19793), (370, 19862), (399, 19892), (403, 19904), (404, 19907), (426, 19964), (483, 20096), (484, 20102), (505, 20168), (507, 20174), (513, 20198), (529, 20246), (540, 20270), (543, 20279), (562, 20354), (580, 20405), (585, 20420), (648, 20582), (654, 20609), (663, 20639), (689, 20744), (716, 20822), (723, 20858), (725, 20867), (732, 20900), (738, 20915),

Gene: William_19 Start: 16689, Stop: 18338, Start Num: 150
Candidate Starts for William_19:
(4, 15642), (5, 15687), (7, 15711), (8, 15717), (9, 15825), (11, 15873), (15, 15945), (19, 16020), (23, 16158), (24, 16188), (25, 16194), (29, 16326), (33, 16383), (34, 16392), (Start: 64 @16551 has 1 MA's), (Start: 130 @16653 has 17 MA's), (Start: 150 @16689 has 49 MA's), (199, 16794), (223, 16872), (243, 16932), (253, 16944), (254, 16947), (264, 16971), (293, 17046), (329, 17145), (334, 17160), (386, 17244), (398, 17256), (401, 17265), (402, 17268), (408, 17289), (426, 17331), (435, 17361), (507, 17544), (513, 17568), (534, 17619), (562, 17712), (566, 17724), (586, 17784), (629, 17919), (652, 18012), (654, 18018), (659, 18036), (672, 18087), (690, 18147), (692, 18153), (714, 18228),

Gene: WilliamBoone_48 Start: 28921, Stop: 30612, Start Num: 104
Candidate Starts for WilliamBoone_48:
(Start: 104 @28921 has 17 MA's), (146, 28981), (165, 29014), (179, 29047), (183, 29056), (212, 29137), (216, 29143), (239, 29215), (298, 29338), (300, 29344), (317, 29392), (341, 29455), (426, 29605), (427, 29611), (435, 29635), (490, 29764), (497, 29785), (533, 29905), (562, 30016), (578, 30058), (611, 30130), (629, 30169), (654, 30268), (657, 30280), (660, 30289), (681, 30373), (731, 30556),

Gene: Willsammy_19 Start: 16277, Stop: 18013, Start Num: 107
Candidate Starts for Willsammy_19:
(Start: 90 @16253 has 2 MA's), (Start: 107 @16277 has 54 MA's), (148, 16337), (159, 16358), (161, 16361), (211, 16481), (225, 16520), (235, 16553), (244, 16577), (294, 16697), (305, 16736), (307, 16742), (339, 16826), (341, 16832), (345, 16844), (354, 16868), (362, 16895), (370, 16913), (396, 16952), (397, 16958), (405, 16982), (426, 17036), (429, 17048), (432, 17057), (450, 17117), (487, 17195), (500, 17234), (511, 17267), (529, 17333), (537, 17348), (540, 17357), (547, 17381), (555, 17411), (559, 17423), (590, 17525), (593, 17537), (594, 17540), (596, 17546), (616, 17555), (646, 17663), (667, 17747), (693, 17846), (725, 17954), (738, 18002),

Gene: Winget_57 Start: 33735, Stop: 35471, Start Num: 94
Candidate Starts for Winget_57:
(Start: 89 @33726 has 2 MA's), (Start: 94 @33735 has 30 MA's), (Start: 156 @33825 has 1 MA's), (207, 33942), (219, 33978), (226, 33999), (234, 34026), (236, 34032), (249, 34062), (261, 34086), (283, 34137), (333, 34275), (335, 34281), (352, 34332), (354, 34335), (359, 34353), (397, 34404), (404, 34425), (405, 34428), (424, 34476), (426, 34482), (440, 34530), (443, 34536), (445, 34542), (471, 34602), (481, 34626), (483, 34629), (497, 34674), (501, 34689), (504, 34698), (507, 34707), (522, 34752), (529, 34770), (543, 34803), (581, 34941), (587, 34962), (625, 35028), (632, 35058), (646, 35112), (656, 35154), (663, 35175), (667, 35196), (671, 35208), (676, 35229), (690, 35283), (716, 35361), (723, 35397), (727, 35418), (733, 35445),

Gene: WinkNick_20 Start: 17322, Stop: 18902, Start Num: 121
Candidate Starts for WinkNick_20:
(53, 17205), (Start: 121 @17322 has 70 MA's), (247, 17580), (260, 17601), (280, 17655), (295, 17694), (314, 17751), (324, 17772), (425, 17943), (430, 17961), (438, 17985), (445, 18006), (474, 18048), (504, 18129), (550, 18219), (559, 18264), (577, 18321), (578, 18324), (593, 18378), (631, 18468),

(701, 18747), (702, 18756), (711, 18786),

Gene: Wintermute_24 Start: 18622, Stop: 20409, Start Num: 82
Candidate Starts for Wintermute_24:
(Start: 64 @18583 has 1 MA's), (Start: 77 @18613 has 26 MA's), (Start: 80 @18619 has 43 MA's), (Start: 82 @18622 has 156 MA's), (Start: 100 @18637 has 3 MA's), (135, 18679), (160, 18727), (177, 18766), (185, 18781), (Start: 193 @18799 has 2 MA's), (204, 18832), (215, 18862), (229, 18907), (236, 18925), (268, 18997), (269, 19003), (284, 19033), (286, 19036), (305, 19099), (309, 19111), (369, 19246), (382, 19264), (402, 19294), (404, 19300), (409, 19318), (423, 19348), (435, 19387), (481, 19513), (501, 19576), (561, 19777), (578, 19831), (591, 19876), (609, 19921), (617, 19945), (627, 19978), (636, 20011), (654, 20083), (657, 20095), (671, 20146), (672, 20152), (702, 20254), (733, 20380), (745, 20401),

Gene: Wishmaker_22 Start: 17406, Stop: 19148, Start Num: 80
Candidate Starts for Wishmaker_22:
(Start: 80 @17406 has 43 MA's), (Start: 87 @17415 has 18 MA's), (120, 17457), (152, 17508), (163, 17532), (170, 17544), (177, 17565), (185, 17580), (Start: 193 @17598 has 2 MA's), (204, 17631), (212, 17658), (236, 17730), (272, 17820), (304, 17904), (307, 17913), (315, 17934), (341, 18000), (354, 18027), (379, 18060), (398, 18078), (405, 18099), (409, 18114), (410, 18117), (435, 18183), (436, 18186), (453, 18252), (464, 18264), (472, 18273), (473, 18276), (501, 18363), (518, 18417), (541, 18462), (543, 18468), (560, 18540), (567, 18570), (578, 18597), (588, 18633), (591, 18642), (627, 18720), (665, 18864), (669, 18882), (672, 18894), (676, 18909), (677, 18912), (682, 18933), (688, 18945), (702, 18993), (713, 19026), (729, 19101), (733, 19119), (745, 19140),

Gene: Wisp_18 Start: 16363, Stop: 18009, Start Num: 150
Candidate Starts for Wisp_18:
(Start: 130 @16327 has 17 MA's), (Start: 150 @16363 has 49 MA's), (199, 16465), (223, 16543), (224, 16546), (264, 16642), (278, 16681), (300, 16741), (306, 16762), (329, 16816), (334, 16831), (426, 17002), (435, 17032), (507, 17215), (513, 17239), (534, 17290), (562, 17383), (566, 17395), (582, 17440), (586, 17455), (628, 17587), (629, 17590), (654, 17689), (659, 17707), (672, 17758), (692, 17824), (709, 17887), (714, 17899),

Gene: Wocket_20 Start: 16837, Stop: 18483, Start Num: 150
Candidate Starts for Wocket_20:
(Start: 130 @16801 has 17 MA's), (Start: 150 @16837 has 49 MA's), (199, 16939), (223, 17017), (264, 17116), (278, 17155), (295, 17200), (306, 17236), (329, 17290), (334, 17305), (345, 17338), (386, 17389), (426, 17476), (435, 17506), (507, 17689), (513, 17713), (562, 17857), (566, 17869), (586, 17929), (628, 18061), (629, 18064), (654, 18163), (659, 18181), (672, 18232), (690, 18292), (692, 18298), (709, 18361), (714, 18373),

Gene: Wogge42_55 Start: 33176, Stop: 34912, Start Num: 94
Candidate Starts for Wogge42_55:
(Start: 89 @33167 has 2 MA's), (Start: 94 @33176 has 30 MA's), (Start: 156 @33266 has 1 MA's), (207, 33383), (219, 33419), (226, 33440), (234, 33467), (236, 33473), (249, 33503), (261, 33527), (283, 33578), (333, 33716), (335, 33722), (352, 33773), (354, 33776), (359, 33794), (397, 33845), (404, 33866), (405, 33869), (424, 33917), (426, 33923), (440, 33971), (443, 33977), (445, 33983), (471, 34043), (481, 34067), (483, 34070), (497, 34115), (501, 34130), (504, 34139), (507, 34148), (522, 34193), (529, 34211), (543, 34244), (581, 34382), (587, 34403), (625, 34469), (632, 34499), (646, 34553), (656, 34595), (663, 34616), (667, 34637), (671, 34649), (676, 34670), (690, 34724), (716, 34802), (723, 34838), (727, 34859), (733, 34886),

Gene: WorMMAs_18 Start: 14577, Stop: 16193, Start Num: 110
Candidate Starts for WorMMAs_18:

(105, 14571), (Start: 110 @14577 has 31 MA's), (Start: 126 @14592 has 11 MA's), (240, 14856), (270, 14907), (279, 14925), (288, 14940), (317, 15030), (336, 15078), (343, 15099), (375, 15147), (406, 15192), (432, 15261), (445, 15300), (453, 15333), (498, 15423), (517, 15486), (546, 15558), (547, 15561), (559, 15603), (562, 15621), (566, 15633), (567, 15636), (578, 15663), (583, 15681), (605, 15720), (621, 15747), (625, 15762), (627, 15771), (640, 15819), (679, 15969), (700, 16029), (701, 16038), (726, 16137), (738, 16182),

Gene: Wrigley_20 Start: 17427, Stop: 19133, Start Num: 110
Candidate Starts for Wrigley_20:
(Start: 91 @17403 has 1 MA's), (Start: 110 @17427 has 31 MA's), (175, 17532), (195, 17574), (219, 17649), (264, 17763), (315, 17910), (319, 17916), (416, 18099), (442, 18174), (550, 18456), (554, 18477), (575, 18552), (612, 18639), (623, 18675), (630, 18708), (632, 18714), (649, 18780), (657, 18810), (698, 18966), (700, 18972), (702, 18990), (730, 19101),

Gene: XFactor_16 Start: 14812, Stop: 16521, Start Num: 114
Candidate Starts for XFactor_16:
(Start: 114 @14812 has 231 MA's), (171, 14899), (Start: 193 @14944 has 2 MA's), (202, 14968), (234, 15073), (236, 15079), (242, 15097), (259, 15127), (299, 15232), (321, 15292), (330, 15313), (333, 15322), (341, 15346), (397, 15472), (402, 15487), (404, 15493), (417, 15529), (418, 15532), (424, 15544), (426, 15550), (440, 15598), (445, 15610), (446, 15616), (481, 15676), (485, 15688), (497, 15724), (500, 15736), (527, 15811), (529, 15820), (538, 15838), (540, 15844), (549, 15874), (578, 15979), (581, 15991), (592, 16027), (631, 16105), (656, 16204), (663, 16225), (671, 16258), (679, 16288), (686, 16318), (688, 16327), (690, 16333), (698, 16348), (699, 16351), (703, 16375), (714, 16405), (718, 16417), (723, 16447), (732, 16489),

Gene: Xandras_26 Start: 19820, Stop: 21415, Start Num: 169
Candidate Starts for Xandras_26:
(Start: 119 @19736 has 132 MA's), (Start: 169 @19820 has 49 MA's), (Start: 203 @19898 has 1 MA's), (231, 19985), (236, 20000), (259, 20048), (273, 20087), (305, 20174), (319, 20207), (333, 20243), (343, 20273), (345, 20279), (370, 20348), (399, 20378), (403, 20390), (404, 20393), (426, 20450), (483, 20582), (484, 20588), (505, 20654), (507, 20660), (513, 20684), (529, 20732), (540, 20756), (543, 20765), (562, 20840), (580, 20891), (585, 20906), (648, 21068), (654, 21095), (663, 21125), (689, 21230), (716, 21308), (723, 21344), (725, 21353), (732, 21386), (738, 21401),

Gene: Xavia_19 Start: 16389, Stop: 18125, Start Num: 107
Candidate Starts for Xavia_19:
(Start: 90 @16365 has 2 MA's), (Start: 107 @16389 has 54 MA's), (148, 16449), (159, 16470), (161, 16473), (Start: 209 @16587 has 11 MA's), (211, 16593), (225, 16632), (235, 16665), (244, 16689), (294, 16809), (305, 16848), (307, 16854), (339, 16938), (341, 16944), (345, 16956), (354, 16980), (370, 17025), (396, 17064), (397, 17070), (405, 17094), (426, 17148), (429, 17160), (432, 17169), (450, 17229), (487, 17307), (500, 17346), (511, 17379), (529, 17445), (537, 17460), (540, 17469), (547, 17493), (555, 17523), (559, 17535), (590, 17637), (593, 17649), (594, 17652), (596, 17658), (616, 17667), (646, 17775), (667, 17859), (693, 17958), (725, 18066), (738, 18114),

Gene: Xeno_18 Start: 14986, Stop: 16695, Start Num: 119
Candidate Starts for Xeno_18:
(Start: 119 @14986 has 132 MA's), (139, 15013), (Start: 193 @15118 has 2 MA's), (197, 15130), (208, 15166), (225, 15217), (234, 15247), (236, 15253), (247, 15280), (252, 15286), (299, 15406), (318, 15460), (321, 15466), (329, 15484), (333, 15496), (334, 15499), (341, 15520), (356, 15562), (367, 15595), (397, 15646), (402, 15661), (417, 15703), (424, 15718), (426, 15724), (440, 15772), (447, 15796), (460, 15826), (481, 15850), (500, 15910), (504, 15922), (522, 15976), (527, 15985), (548, 16045), (549, 16048), (578, 16153), (580, 16162), (592, 16201), (647, 16339), (685, 16489), (686, 16492), (688, 16501), (698, 16522), (703, 16549), (716, 16585), (738, 16678),

Gene: Xerxes_18 Start: 14986, Stop: 16695, Start Num: 119
Candidate Starts for Xerxes_18:
(Start: 119 @14986 has 132 MA's), (139, 15013), (Start: 193 @15118 has 2 MA's), (197, 15130), (208, 15166), (225, 15217), (234, 15247), (236, 15253), (247, 15280), (252, 15286), (299, 15406), (318, 15460), (321, 15466), (329, 15484), (333, 15496), (334, 15499), (341, 15520), (356, 15562), (367, 15595), (397, 15646), (402, 15661), (417, 15703), (424, 15718), (426, 15724), (440, 15772), (447, 15796), (460, 15826), (481, 15850), (500, 15910), (504, 15922), (522, 15976), (527, 15985), (548, 16045), (549, 16048), (578, 16153), (580, 16162), (592, 16201), (647, 16339), (685, 16489), (686, 16492), (688, 16501), (698, 16522), (703, 16549), (716, 16585), (738, 16678),

Gene: Ximenita_23 Start: 16499, Stop: 18265, Start Num: 82
Candidate Starts for Ximenita_23:
(Start: 77 @16490 has 26 MA's), (Start: 82 @16499 has 156 MA's), (Start: 103 @16529 has 1 MA's), (177, 16655), (185, 16670), (Start: 193 @16688 has 2 MA's), (204, 16721), (215, 16751), (229, 16796), (268, 16886), (284, 16922), (309, 17000), (313, 17009), (355, 17114), (356, 17117), (402, 17183), (404, 17189), (420, 17231), (423, 17237), (486, 17420), (506, 17480), (529, 17537), (547, 17582), (551, 17594), (561, 17642), (591, 17741), (617, 17801), (628, 17837), (639, 17876), (657, 17951), (671, 18002), (672, 18008), (733, 18236), (734, 18239), (745, 18257),

Gene: Xula_18 Start: 16123, Stop: 17856, Start Num: 123
Candidate Starts for Xula_18:
(Start: 123 @16123 has 61 MA's), (180, 16222), (184, 16231), (208, 16297), (217, 16321), (235, 16381), (236, 16384), (247, 16411), (318, 16591), (329, 16615), (333, 16627), (341, 16651), (397, 16777), (402, 16792), (405, 16801), (418, 16837), (426, 16855), (522, 17107), (527, 17116), (540, 17149), (580, 17293), (593, 17338), (640, 17440), (642, 17449), (646, 17467), (647, 17470), (672, 17569), (686, 17629), (691, 17647), (698, 17683), (701, 17698), (716, 17746), (730, 17815),

Gene: Y10_24 Start: 18637, Stop: 20409, Start Num: 100
Candidate Starts for Y10_24:
(Start: 64 @18583 has 1 MA's), (Start: 77 @18613 has 26 MA's), (Start: 80 @18619 has 43 MA's), (Start: 82 @18622 has 156 MA's), (Start: 100 @18637 has 3 MA's), (135, 18679), (160, 18727), (177, 18766), (185, 18781), (Start: 193 @18799 has 2 MA's), (204, 18832), (215, 18862), (229, 18907), (236, 18925), (268, 18997), (269, 19003), (284, 19033), (286, 19036), (305, 19099), (309, 19111), (369, 19246), (382, 19264), (402, 19294), (404, 19300), (409, 19318), (423, 19348), (435, 19387), (481, 19513), (501, 19576), (561, 19777), (578, 19831), (591, 19876), (609, 19921), (617, 19945), (627, 19978), (636, 20011), (654, 20083), (657, 20095), (671, 20146), (672, 20152), (702, 20254), (733, 20380), (745, 20401),

Gene: Y2_24 Start: 18637, Stop: 20409, Start Num: 100
Candidate Starts for Y2_24:
(Start: 64 @18583 has 1 MA's), (Start: 77 @18613 has 26 MA's), (Start: 80 @18619 has 43 MA's), (Start: 82 @18622 has 156 MA's), (Start: 100 @18637 has 3 MA's), (135, 18679), (160, 18727), (177, 18766), (185, 18781), (Start: 193 @18799 has 2 MA's), (204, 18832), (215, 18862), (229, 18907), (236, 18925), (268, 18997), (269, 19003), (284, 19033), (286, 19036), (305, 19099), (309, 19111), (369, 19246), (382, 19264), (402, 19294), (404, 19300), (409, 19318), (423, 19348), (435, 19387), (481, 19513), (501, 19576), (561, 19777), (578, 19831), (591, 19876), (609, 19921), (617, 19945), (627, 19978), (636, 20011), (654, 20083), (657, 20095), (671, 20146), (672, 20152), (702, 20254), (733, 20380), (745, 20401),

Gene: YangYin_18 Start: 17002, Stop: 18726, Start Num: 97
Candidate Starts for YangYin_18:

(Start: 97 @17002 has 61 MA's), (179, 17122), (204, 17185), (215, 17215), (240, 17290), (266, 17341), (268, 17350), (269, 17356), (284, 17386), (288, 17392), (303, 17446), (329, 17509), (348, 17566), (404, 17662), (406, 17671), (423, 17710), (435, 17749), (446, 17785), (551, 18067), (561, 18115), (567, 18142), (580, 18178), (607, 18232), (663, 18430), (668, 18454), (671, 18463), (682, 18511), (725, 18658), (734, 18700), (736, 18703),

Gene: YasnayaPolyana_24 Start: 18614, Stop: 20410, Start Num: 77
Candidate Starts for YasnayaPolyana_24:
(Start: 64 @18584 has 1 MA's), (Start: 77 @18614 has 26 MA's), (Start: 80 @18620 has 43 MA's), (Start: 82 @18623 has 156 MA's), (Start: 100 @18638 has 3 MA's), (135, 18680), (160, 18728), (177, 18767), (185, 18782), (Start: 193 @18800 has 2 MA's), (204, 18833), (215, 18863), (229, 18908), (236, 18926), (268, 18998), (269, 19004), (284, 19034), (286, 19037), (305, 19100), (309, 19112), (369, 19247), (382, 19265), (402, 19295), (404, 19301), (409, 19319), (423, 19349), (435, 19388), (481, 19514), (501, 19577), (561, 19778), (578, 19832), (591, 19877), (609, 19922), (617, 19946), (627, 19979), (636, 20012), (654, 20084), (657, 20096), (671, 20147), (672, 20153), (702, 20255), (733, 20381), (745, 20402),

Gene: YassJohnny_25 Start: 20345, Stop: 21940, Start Num: 169
Candidate Starts for YassJohnny_25:
(Start: 119 @20261 has 132 MA's), (Start: 169 @20345 has 49 MA's), (Start: 203 @20423 has 1 MA's), (231, 20510), (236, 20525), (259, 20573), (273, 20612), (305, 20699), (319, 20732), (333, 20768), (343, 20798), (345, 20804), (370, 20873), (399, 20903), (403, 20915), (404, 20918), (426, 20975), (483, 21107), (484, 21113), (505, 21179), (507, 21185), (513, 21209), (529, 21257), (540, 21281), (543, 21290), (562, 21365), (580, 21416), (585, 21431), (648, 21593), (654, 21620), (663, 21650), (689, 21755), (716, 21833), (723, 21869), (725, 21878), (732, 21911), (738, 21926),

Gene: Yeet412_17 Start: 14751, Stop: 16460, Start Num: 123
Candidate Starts for Yeet412_17:
(51, 14616), (Start: 123 @14751 has 61 MA's), (210, 14940), (211, 14943), (236, 15018), (264, 15072), (292, 15141), (295, 15153), (324, 15231), (326, 15234), (376, 15366), (395, 15420), (410, 15471), (424, 15501), (443, 15561), (446, 15573), (474, 15609), (531, 15726), (539, 15744), (551, 15783), (577, 15879), (622, 15987), (691, 16263), (692, 16266), (702, 16314), (711, 16344),

Gene: Yeezy_20 Start: 17119, Stop: 18717, Start Num: 121
Candidate Starts for Yeezy_20:
(Start: 121 @17119 has 70 MA's), (247, 17377), (259, 17395), (260, 17398), (280, 17452), (306, 17527), (333, 17596), (336, 17605), (340, 17617), (344, 17629), (357, 17668), (367, 17695), (376, 17704), (378, 17707), (425, 17740), (443, 17797), (474, 17863), (521, 17974), (550, 18034), (577, 18136), (593, 18193), (631, 18283), (692, 18523), (711, 18601),

Gene: Yinzer_17 Start: 14758, Stop: 16467, Start Num: 123
Candidate Starts for Yinzer_17:
(Start: 123 @14758 has 61 MA's), (186, 14875), (236, 15025), (259, 15064), (264, 15079), (292, 15148), (295, 15160), (324, 15238), (326, 15241), (376, 15373), (395, 15427), (424, 15508), (443, 15568), (445, 15574), (446, 15580), (492, 15661), (504, 15697), (531, 15733), (539, 15751), (551, 15790), (567, 15862), (577, 15886), (654, 16120), (658, 16135), (669, 16177), (691, 16270), (692, 16273), (702, 16321), (711, 16351),

Gene: Yndexa_43 Start: 29457, Stop: 31073, Start Num: 109
Candidate Starts for Yndexa_43:
(Start: 109 @29457 has 43 MA's), (Start: 118 @29466 has 1 MA's), (Start: 121 @29469 has 70 MA's), (Start: 141 @29493 has 1 MA's), (185, 29571), (259, 29754), (280, 29811), (287, 29823), (292, 29838), (316, 29904), (324, 29919), (332, 29943), (365, 30030), (368, 30036), (385, 30060), (417, 30120),

(428, 30150), (435, 30171), (480, 30276), (488, 30297), (531, 30384), (549, 30432), (583, 30558), (593, 30594), (656, 30759), (662, 30777), (671, 30813), (721, 30987), (723, 30999), (738, 31056),

Gene: Yorick_16 Start: 14811, Stop: 16520, Start Num: 114
Candidate Starts for Yorick_16:
(Start: 114 @14811 has 231 MA's), (171, 14898), (Start: 193 @14943 has 2 MA's), (202, 14967), (234, 15072), (236, 15078), (242, 15096), (259, 15126), (299, 15231), (318, 15285), (321, 15291), (325, 15300), (333, 15321), (341, 15345), (354, 15381), (356, 15387), (367, 15420), (369, 15423), (371, 15432), (378, 15447), (381, 15453), (397, 15471), (402, 15486), (404, 15492), (409, 15510), (410, 15513), (417, 15528), (424, 15543), (426, 15549), (440, 15597), (445, 15609), (446, 15615), (481, 15675), (485, 15687), (497, 15723), (500, 15735), (527, 15810), (529, 15819), (538, 15837), (540, 15843), (549, 15873), (578, 15978), (581, 15990), (592, 16026), (631, 16104), (663, 16224), (671, 16257), (679, 16287), (681, 16299), (686, 16317), (687, 16323), (688, 16326), (690, 16332), (698, 16347), (699, 16350), (702, 16371), (703, 16374), (718, 16416), (723, 16446), (732, 16488), (733, 16494),

Gene: Youngblood_24 Start: 19998, Stop: 21593, Start Num: 169
Candidate Starts for Youngblood_24:
(Start: 119 @19914 has 132 MA's), (Start: 169 @19998 has 49 MA's), (Start: 203 @20076 has 1 MA's), (231, 20163), (236, 20178), (259, 20226), (273, 20265), (305, 20352), (319, 20385), (333, 20421), (343, 20451), (345, 20457), (370, 20526), (399, 20556), (403, 20568), (404, 20571), (426, 20628), (483, 20760), (484, 20766), (505, 20832), (507, 20838), (513, 20862), (529, 20910), (540, 20934), (543, 20943), (562, 21018), (580, 21069), (585, 21084), (648, 21246), (654, 21273), (663, 21303), (689, 21408), (716, 21486), (723, 21522), (725, 21531), (732, 21564), (738, 21579),

Gene: YoureAdopted_22 Start: 17124, Stop: 18890, Start Num: 82
Candidate Starts for YoureAdopted_22:
(Start: 82 @17124 has 156 MA's), (Start: 103 @17154 has 1 MA's), (Start: 193 @17313 has 2 MA's), (204, 17346), (215, 17376), (225, 17409), (229, 17421), (268, 17511), (288, 17553), (309, 17625), (313, 17634), (330, 17673), (345, 17718), (355, 17739), (356, 17742), (398, 17796), (404, 17814), (420, 17856), (423, 17862), (431, 17889), (481, 18027), (486, 18045), (500, 18087), (506, 18105), (516, 18135), (529, 18162), (561, 18267), (617, 18426), (628, 18462), (636, 18492), (639, 18501), (657, 18576), (671, 18627), (725, 18822), (733, 18861), (734, 18864), (745, 18882),

Gene: YoyoKar_54 Start: 33019, Stop: 34755, Start Num: 94
Candidate Starts for YoyoKar_54:
(Start: 89 @33010 has 2 MA's), (Start: 94 @33019 has 30 MA's), (Start: 156 @33109 has 1 MA's), (207, 33226), (219, 33262), (226, 33283), (234, 33310), (236, 33316), (261, 33370), (283, 33421), (333, 33559), (335, 33565), (352, 33616), (354, 33619), (359, 33637), (397, 33688), (404, 33709), (405, 33712), (424, 33760), (426, 33766), (440, 33814), (443, 33820), (445, 33826), (471, 33886), (481, 33910), (483, 33913), (497, 33958), (501, 33973), (504, 33982), (507, 33991), (522, 34036), (529, 34054), (543, 34087), (581, 34225), (587, 34246), (625, 34312), (632, 34342), (646, 34396), (656, 34438), (663, 34459), (667, 34480), (671, 34492), (676, 34513), (690, 34567), (716, 34645), (723, 34681), (727, 34702), (733, 34729),

Gene: Yuna_24 Start: 16985, Stop: 18808, Start Num: 58
Candidate Starts for Yuna_24:
(Start: 58 @16985 has 1 MA's), (69, 17015), (128, 17099), (177, 17198), (185, 17213), (Start: 193 @17231 has 2 MA's), (204, 17264), (229, 17339), (268, 17429), (284, 17465), (313, 17552), (330, 17591), (345, 17636), (356, 17660), (382, 17696), (384, 17699), (398, 17714), (404, 17732), (417, 17768), (423, 17780), (431, 17807), (486, 17963), (506, 18023), (547, 18125), (561, 18185), (584, 18260), (591, 18284), (617, 18344), (628, 18380), (632, 18398), (639, 18419), (657, 18494), (671, 18545), (672, 18551), (677, 18572), (733, 18779), (734, 18782), (745, 18800),

Gene: YungJamal_61 Start: 34927, Stop: 36663, Start Num: 94
Candidate Starts for YungJamal_61:
(Start: 89 @34918 has 2 MA's), (Start: 94 @34927 has 30 MA's), (Start: 156 @35017 has 1 MA's), (207, 35134), (219, 35170), (226, 35191), (234, 35218), (236, 35224), (249, 35254), (261, 35278), (283, 35329), (333, 35467), (335, 35473), (352, 35524), (354, 35527), (359, 35545), (397, 35596), (404, 35617), (405, 35620), (424, 35668), (426, 35674), (440, 35722), (443, 35728), (445, 35734), (471, 35794), (481, 35818), (483, 35821), (497, 35866), (501, 35881), (504, 35890), (507, 35899), (522, 35944), (529, 35962), (543, 35995), (581, 36133), (587, 36154), (625, 36220), (632, 36250), (646, 36304), (656, 36346), (663, 36367), (667, 36388), (671, 36400), (676, 36421), (690, 36475), (716, 36553), (723, 36589), (727, 36610), (733, 36637),

Gene: Yunkel11_23 Start: 16380, Stop: 18146, Start Num: 82
Candidate Starts for Yunkel11_23:
(Start: 82 @16380 has 156 MA's), (Start: 87 @16386 has 18 MA's), (Start: 103 @16410 has 1 MA's), (Start: 193 @16569 has 2 MA's), (204, 16602), (215, 16632), (216, 16635), (225, 16665), (229, 16677), (268, 16767), (288, 16809), (309, 16881), (313, 16890), (330, 16929), (345, 16974), (355, 16995), (356, 16998), (404, 17070), (420, 17112), (423, 17118), (431, 17145), (481, 17283), (486, 17301), (500, 17343), (506, 17361), (516, 17391), (561, 17523), (588, 17613), (628, 17718), (636, 17748), (657, 17832), (671, 17883), (701, 17982), (725, 18078), (733, 18117), (734, 18120), (745, 18138),

Gene: Yvonnetastic_45 Start: 30515, Stop: 32209, Start Num: 98
Candidate Starts for Yvonnetastic_45:
(Start: 98 @30515 has 3 MA's), (146, 30581), (152, 30587), (179, 30644), (236, 30803), (240, 30815), (300, 30941), (317, 30989), (402, 31139), (422, 31190), (426, 31202), (427, 31208), (485, 31349), (490, 31364), (542, 31523), (568, 31631), (627, 31760), (629, 31766), (630, 31775), (648, 31838), (657, 31877), (660, 31886), (672, 31934), (696, 32009), (713, 32069), (724, 32117), (729, 32144), (731, 32153), (732, 32156),

Gene: Zabiza_23 Start: 17155, Stop: 18921, Start Num: 82
Candidate Starts for Zabiza_23:
(Start: 82 @17155 has 156 MA's), (Start: 103 @17185 has 1 MA's), (Start: 193 @17344 has 2 MA's), (204, 17377), (215, 17407), (225, 17440), (229, 17452), (268, 17542), (288, 17584), (309, 17656), (313, 17665), (330, 17704), (345, 17749), (355, 17770), (356, 17773), (398, 17827), (404, 17845), (420, 17887), (423, 17893), (431, 17920), (481, 18058), (486, 18076), (500, 18118), (506, 18136), (516, 18166), (529, 18193), (561, 18298), (617, 18457), (628, 18493), (636, 18523), (639, 18532), (657, 18607), (671, 18658), (701, 18757), (725, 18853), (733, 18892), (734, 18895), (745, 18913),

Gene: Zakhe101_56 Start: 33573, Stop: 35309, Start Num: 94
Candidate Starts for Zakhe101_56:
(Start: 89 @33564 has 2 MA's), (Start: 94 @33573 has 30 MA's), (Start: 156 @33663 has 1 MA's), (207, 33780), (219, 33816), (226, 33837), (234, 33864), (236, 33870), (249, 33900), (261, 33924), (283, 33975), (333, 34113), (335, 34119), (352, 34170), (354, 34173), (359, 34191), (397, 34242), (404, 34263), (405, 34266), (417, 34299), (424, 34314), (426, 34320), (440, 34368), (443, 34374), (445, 34380), (471, 34440), (481, 34464), (483, 34467), (497, 34512), (501, 34527), (504, 34536), (507, 34545), (522, 34590), (529, 34608), (543, 34641), (581, 34779), (587, 34800), (625, 34866), (632, 34896), (646, 34950), (656, 34992), (663, 35013), (667, 35034), (671, 35046), (676, 35067), (690, 35121), (716, 35199), (723, 35235), (727, 35256), (733, 35283),

Gene: Zameen_19 Start: 17773, Stop: 19371, Start Num: 121
Candidate Starts for Zameen_19:
(Start: 121 @17773 has 70 MA's), (240, 18022), (247, 18031), (259, 18049), (260, 18052), (280, 18106), (306, 18181), (333, 18250), (336, 18259), (340, 18271), (357, 18322), (367, 18349), (376,

18358), (378, 18361), (424, 18391), (425, 18394), (443, 18451), (474, 18517), (503, 18595), (521, 18628), (539, 18652), (550, 18688), (577, 18790), (593, 18847), (619, 18892), (622, 18898), (631, 18937), (692, 19177), (711, 19255),

Gene: Zarbodnamra_19 Start: 16649, Stop: 18295, Start Num: 150
Candidate Starts for Zarbodnamra_19:
(Start: 130 @16613 has 17 MA's), (Start: 150 @16649 has 49 MA's), (199, 16751), (221, 16823), (223, 16829), (224, 16832), (264, 16928), (278, 16967), (300, 17027), (306, 17048), (329, 17102), (334, 17117), (426, 17288), (435, 17318), (507, 17501), (513, 17525), (534, 17576), (562, 17669), (566, 17681), (582, 17726), (586, 17741), (628, 17873), (629, 17876), (654, 17975), (659, 17993), (672, 18044), (690, 18104), (692, 18110), (709, 18173), (714, 18185),

Gene: Zavala_23 Start: 17129, Stop: 18895, Start Num: 82
Candidate Starts for Zavala_23:
(Start: 82 @17129 has 156 MA's), (Start: 103 @17159 has 1 MA's), (Start: 193 @17318 has 2 MA's), (204, 17351), (215, 17381), (225, 17414), (229, 17426), (268, 17516), (288, 17558), (309, 17630), (313, 17639), (330, 17678), (345, 17723), (355, 17744), (356, 17747), (398, 17801), (404, 17819), (420, 17861), (423, 17867), (431, 17894), (454, 17981), (481, 18032), (486, 18050), (500, 18092), (506, 18110), (516, 18140), (529, 18167), (561, 18272), (617, 18431), (628, 18467), (636, 18497), (639, 18506), (657, 18581), (671, 18632), (725, 18827), (733, 18866), (734, 18869), (745, 18887),

Gene: Zebo_56 Start: 33478, Stop: 35214, Start Num: 94
Candidate Starts for Zebo_56:
(Start: 89 @33469 has 2 MA's), (Start: 94 @33478 has 30 MA's), (Start: 156 @33568 has 1 MA's), (207, 33685), (219, 33721), (226, 33742), (234, 33769), (236, 33775), (261, 33829), (283, 33880), (333, 34018), (335, 34024), (352, 34075), (354, 34078), (359, 34096), (397, 34147), (404, 34168), (405, 34171), (424, 34219), (426, 34225), (440, 34273), (443, 34279), (445, 34285), (471, 34345), (481, 34369), (483, 34372), (497, 34417), (501, 34432), (504, 34441), (507, 34450), (522, 34495), (529, 34513), (543, 34546), (581, 34684), (587, 34705), (625, 34771), (632, 34801), (646, 34855), (656, 34897), (663, 34918), (667, 34939), (671, 34951), (676, 34972), (690, 35026), (716, 35104), (723, 35140), (727, 35161), (733, 35188),

Gene: Zelink_38 Start: 28415, Stop: 30413, Start Num: 113
Candidate Starts for Zelink_38:
(Start: 113 @28415 has 31 MA's), (Start: 169 @28505 has 49 MA's), (189, 28553), (202, 28583), (Start: 209 @28610 has 11 MA's), (244, 28712), (260, 28742), (296, 28841), (307, 28877), (308, 28883), (319, 28904), (345, 28976), (348, 28985), (356, 29006), (404, 29114), (405, 29117), (409, 29132), (426, 29171), (440, 29219), (445, 29231), (446, 29237), (472, 29294), (483, 29315), (487, 29333), (503, 29381), (538, 29483), (559, 29555), (569, 29600), (570, 29612), (571, 29747), (572, 29753), (573, 29777), (574, 29849), (576, 29876), (664, 30125),

Gene: Zerg_16 Start: 14774, Stop: 16483, Start Num: 114
Candidate Starts for Zerg_16:
(Start: 114 @14774 has 231 MA's), (171, 14861), (202, 14930), (207, 14951), (219, 14987), (234, 15035), (236, 15041), (242, 15059), (259, 15089), (299, 15194), (321, 15254), (325, 15263), (330, 15275), (333, 15284), (341, 15308), (367, 15383), (378, 15410), (381, 15416), (397, 15434), (402, 15449), (404, 15455), (417, 15491), (424, 15506), (426, 15512), (440, 15560), (445, 15572), (446, 15578), (481, 15638), (485, 15650), (497, 15686), (500, 15698), (527, 15773), (529, 15782), (538, 15800), (540, 15806), (549, 15836), (578, 15941), (581, 15953), (592, 15989), (631, 16067), (656, 16166), (663, 16187), (671, 16220), (679, 16250), (686, 16280), (688, 16289), (690, 16295), (698, 16310), (699, 16313), (703, 16337), (718, 16379), (723, 16409), (732, 16451),

Gene: ZiggyZoo_18 Start: 16440, Stop: 18086, Start Num: 150

Candidate Starts for ZiggyZoo_18:
(Start: 130 @16404 has 17 MA's), (Start: 150 @16440 has 49 MA's), (199, 16542), (223, 16620), (224, 16623), (264, 16719), (278, 16758), (300, 16818), (306, 16839), (329, 16893), (334, 16908), (426, 17079), (435, 17109), (507, 17292), (513, 17316), (534, 17367), (562, 17460), (566, 17472), (582, 17517), (586, 17532), (628, 17664), (629, 17667), (654, 17766), (659, 17784), (672, 17835), (692, 17901), (709, 17964), (714, 17976),

Gene: Zilizebeth_19 Start: 16385, Stop: 18121, Start Num: 107
Candidate Starts for Zilizebeth_19:
(Start: 90 @16361 has 2 MA's), (Start: 107 @16385 has 54 MA's), (148, 16445), (159, 16466), (161, 16469), (211, 16589), (225, 16628), (235, 16661), (244, 16685), (294, 16805), (305, 16844), (307, 16850), (339, 16934), (341, 16940), (345, 16952), (354, 16976), (362, 17003), (370, 17021), (396, 17060), (397, 17066), (405, 17090), (426, 17144), (429, 17156), (432, 17165), (450, 17225), (487, 17303), (500, 17342), (511, 17375), (529, 17441), (537, 17456), (540, 17465), (547, 17489), (555, 17519), (559, 17531), (590, 17633), (593, 17645), (594, 17648), (596, 17654), (616, 17663), (646, 17771), (667, 17855), (693, 17954), (725, 18062), (738, 18110),

Gene: Zilla_19 Start: 16667, Stop: 18313, Start Num: 150
Candidate Starts for Zilla_19:
(Start: 130 @16631 has 17 MA's), (Start: 150 @16667 has 49 MA's), (199, 16769), (223, 16847), (224, 16850), (264, 16946), (278, 16985), (306, 17066), (329, 17120), (334, 17135), (426, 17306), (435, 17336), (507, 17519), (513, 17543), (514, 17546), (534, 17594), (562, 17687), (566, 17699), (582, 17744), (586, 17759), (628, 17891), (629, 17894), (654, 17993), (659, 18011), (672, 18062), (692, 18128), (709, 18191), (714, 18203),

Gene: Zion_34 Start: 29327, Stop: 30925, Start Num: 117
Candidate Starts for Zion_34:
(Start: 117 @29327 has 8 MA's), (187, 29426), (212, 29495), (226, 29534), (278, 29669), (301, 29729), (368, 29882), (379, 29894), (383, 29903), (385, 29906), (411, 29951), (417, 29966), (422, 29975), (425, 29984), (442, 30038), (447, 30056), (476, 30110), (559, 30326), (587, 30419), (637, 30527), (650, 30581), (670, 30656), (704, 30785), (737, 30911),

Gene: Zipp_34 Start: 30844, Stop: 32466, Start Num: 123
Candidate Starts for Zipp_34:
(Start: 81 @30787 has 1 MA's), (Start: 123 @30844 has 61 MA's), (140, 30865), (175, 30928), (202, 30991), (221, 31051), (225, 31063), (268, 31150), (290, 31201), (330, 31312), (339, 31339), (344, 31354), (405, 31438), (416, 31468), (420, 31477), (432, 31513), (450, 31573), (481, 31621), (484, 31630), (514, 31729), (532, 31768), (538, 31780), (567, 31897), (581, 31936), (602, 31975), (627, 32032), (638, 32071), (640, 32080), (652, 32137), (655, 32149), (671, 32206), (672, 32212), (677, 32233), (688, 32266), (701, 32311), (732, 32440), (734, 32449),

Gene: Zirinka_19 Start: 17776, Stop: 19374, Start Num: 121
Candidate Starts for Zirinka_19:
(Start: 121 @17776 has 70 MA's), (240, 18025), (247, 18034), (259, 18052), (260, 18055), (280, 18109), (306, 18184), (333, 18253), (336, 18262), (340, 18274), (344, 18286), (357, 18325), (367, 18352), (376, 18361), (378, 18364), (425, 18397), (443, 18454), (474, 18520), (521, 18631), (550, 18691), (577, 18793), (593, 18850), (631, 18940), (692, 19180), (711, 19258),

Gene: Zitch_36 Start: 28728, Stop: 30350, Start Num: 123
Candidate Starts for Zitch_36:
(Start: 123 @28728 has 61 MA's), (140, 28749), (145, 28761), (175, 28812), (Start: 193 @28851 has 2 MA's), (202, 28875), (225, 28947), (268, 29034), (290, 29085), (299, 29115), (330, 29196), (339, 29223), (403, 29316), (416, 29352), (420, 29361), (431, 29394), (432, 29397), (450, 29457), (481,

29505), (484, 29514), (514, 29613), (532, 29652), (538, 29664), (567, 29781), (581, 29820), (602, 29859), (627, 29916), (638, 29955), (640, 29964), (652, 30021), (655, 30033), (668, 30081), (671, 30090), (672, 30096), (677, 30117), (688, 30150), (701, 30195), (716, 30246), (732, 30324), (734, 30333),

Gene: Zizzle_16 Start: 14782, Stop: 16491, Start Num: 114
Candidate Starts for Zizzle_16:
(Start: 114 @14782 has 231 MA's), (171, 14869), (Start: 193 @14914 has 2 MA's), (202, 14938), (234, 15043), (236, 15049), (242, 15067), (259, 15097), (299, 15202), (318, 15256), (321, 15262), (325, 15271), (333, 15292), (341, 15316), (354, 15352), (356, 15358), (367, 15391), (369, 15394), (371, 15403), (378, 15418), (381, 15424), (397, 15442), (402, 15457), (404, 15463), (409, 15481), (410, 15484), (417, 15499), (424, 15514), (426, 15520), (440, 15568), (445, 15580), (446, 15586), (481, 15646), (485, 15658), (497, 15694), (500, 15706), (527, 15781), (529, 15790), (538, 15808), (540, 15814), (549, 15844), (578, 15949), (581, 15961), (592, 15997), (631, 16075), (663, 16195), (671, 16228), (679, 16258), (681, 16270), (686, 16288), (687, 16294), (688, 16297), (690, 16303), (698, 16318), (699, 16321), (702, 16342), (703, 16345), (718, 16387), (723, 16417), (732, 16459), (733, 16465),

Gene: ZoMa_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for ZoMa_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: Zodiariah_18 Start: 16157, Stop: 17863, Start Num: 130
Candidate Starts for Zodiariah_18:
(93, 16118), (105, 16133), (Start: 130 @16157 has 17 MA's), (Start: 138 @16169 has 2 MA's), (144, 16184), (212, 16343), (230, 16397), (237, 16418), (309, 16604), (379, 16745), (402, 16775), (405, 16784), (406, 16790), (516, 17099), (557, 17228), (559, 17231), (567, 17264), (627, 17432), (629, 17438), (654, 17537), (672, 17606), (701, 17699), (745, 17855),

Gene: ZoeJ_19 Start: 14954, Stop: 16723, Start Num: 80
Candidate Starts for ZoeJ_19:
(Start: 64 @14918 has 1 MA's), (Start: 77 @14948 has 26 MA's), (Start: 80 @14954 has 43 MA's), (Start: 97 @14969 has 61 MA's), (135, 15011), (160, 15059), (177, 15098), (185, 15113), (204, 15164), (215, 15194), (225, 15227), (229, 15239), (236, 15257), (268, 15329), (269, 15335), (305, 15431), (309, 15443), (346, 15539), (404, 15632), (409, 15650), (420, 15674), (423, 15680), (435, 15719), (443, 15743), (446, 15755), (481, 15845), (484, 15854), (501, 15908), (511, 15938), (550, 16049), (561, 16100), (593, 16208), (636, 16322), (639, 16331), (657, 16406), (671, 16457), (701, 16559), (717, 16613), (733, 16694), (745, 16715),

Gene: Zombie_18 Start: 16649, Stop: 18403, Start Num: 97
Candidate Starts for Zombie_18:
(Start: 77 @16640 has 26 MA's), (Start: 97 @16649 has 61 MA's), (Start: 103 @16655 has 1 MA's), (111, 16661), (185, 16793), (204, 16844), (215, 16874), (222, 16898), (266, 17000), (281, 17039), (284, 17045), (290, 17060), (303, 17105), (348, 17225), (386, 17282), (404, 17321), (423, 17369), (431, 17396), (435, 17408), (458, 17489), (481, 17534), (551, 17732), (556, 17762), (561, 17780), (567, 17807), (594, 17891), (607, 17909), (614, 17924), (627, 17972), (630, 17987), (648, 18050), (663, 18107), (672, 18146), (682, 18188), (701, 18239), (725, 18335), (745, 18395),

Gene: xkcd_25 Start: 19999, Stop: 21594, Start Num: 169
Candidate Starts for xkcd_25:
(Start: 119 @19915 has 132 MA's), (Start: 169 @19999 has 49 MA's), (Start: 203 @20077 has 1 MA's), (231, 20164), (236, 20179), (259, 20227), (273, 20266), (305, 20353), (319, 20386), (333, 20422), (343, 20452), (345, 20458), (370, 20527), (399, 20557), (403, 20569), (404, 20572), (426, 20629), (483, 20761), (484, 20767), (505, 20833), (507, 20839), (513, 20863), (529, 20911), (540, 20935), (543, 20944), (562, 21019), (580, 21070), (585, 21085), (648, 21247), (654, 21274), (663, 21304), (689, 21409), (716, 21487), (723, 21523), (725, 21532), (732, 21565), (738, 21580),