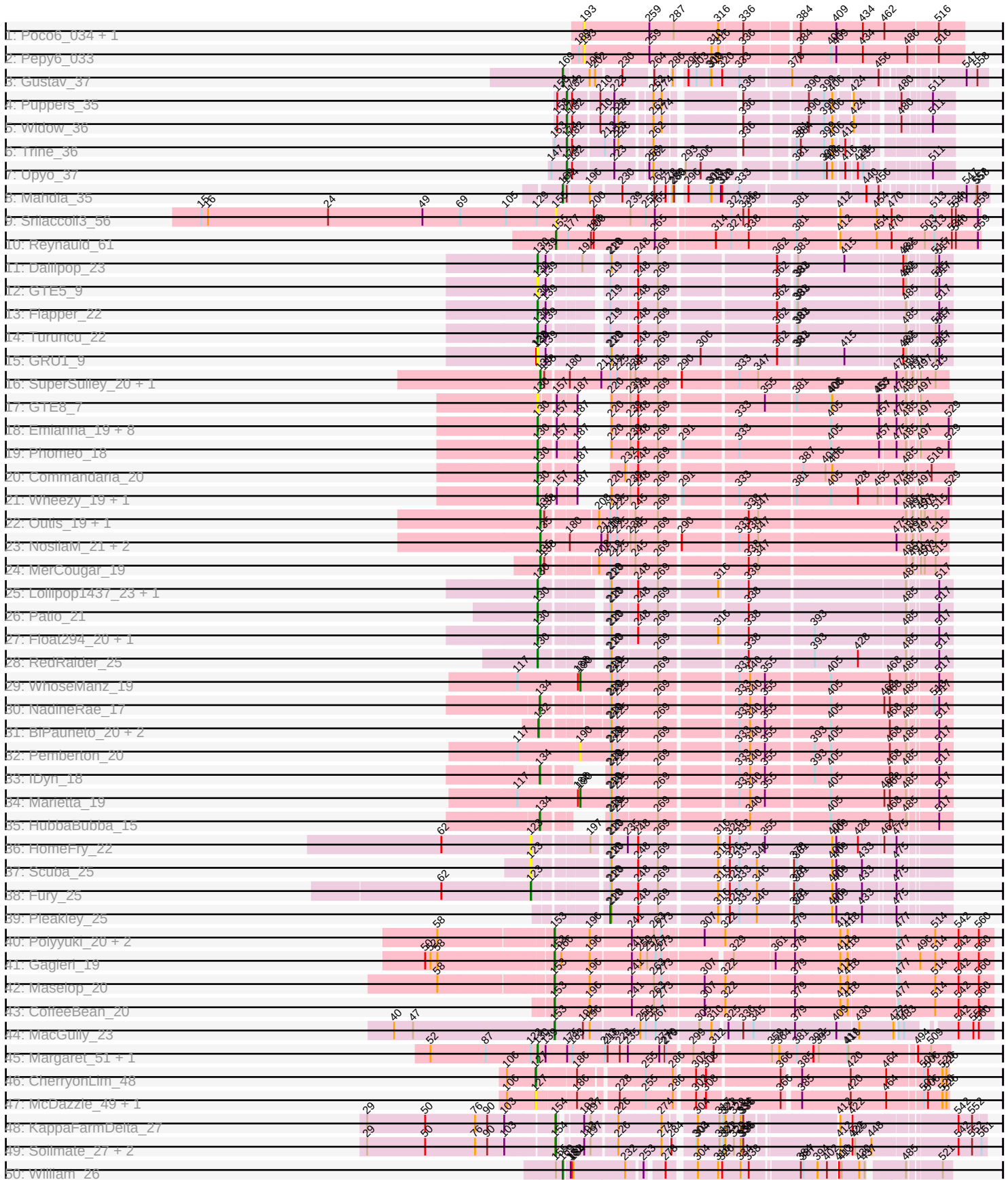
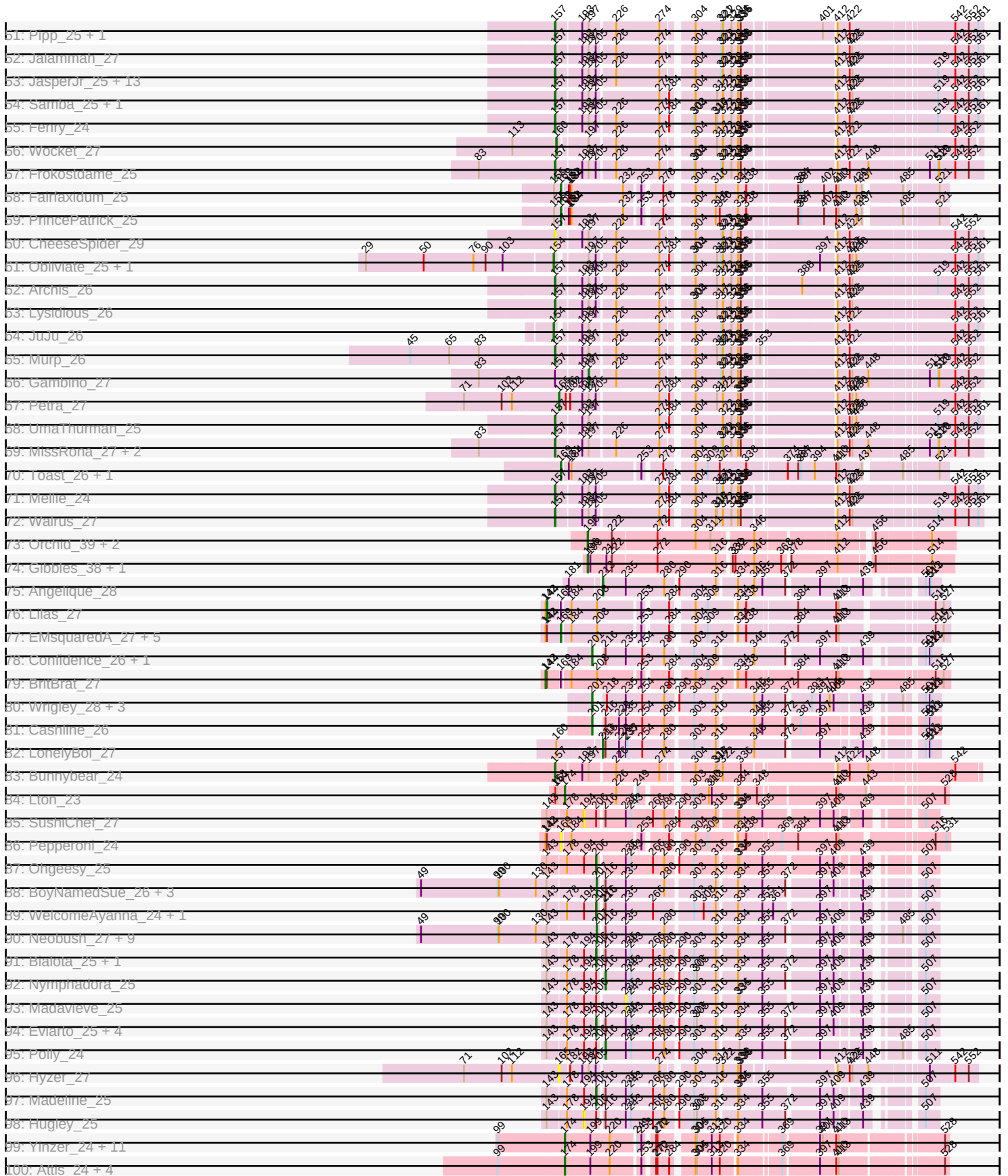


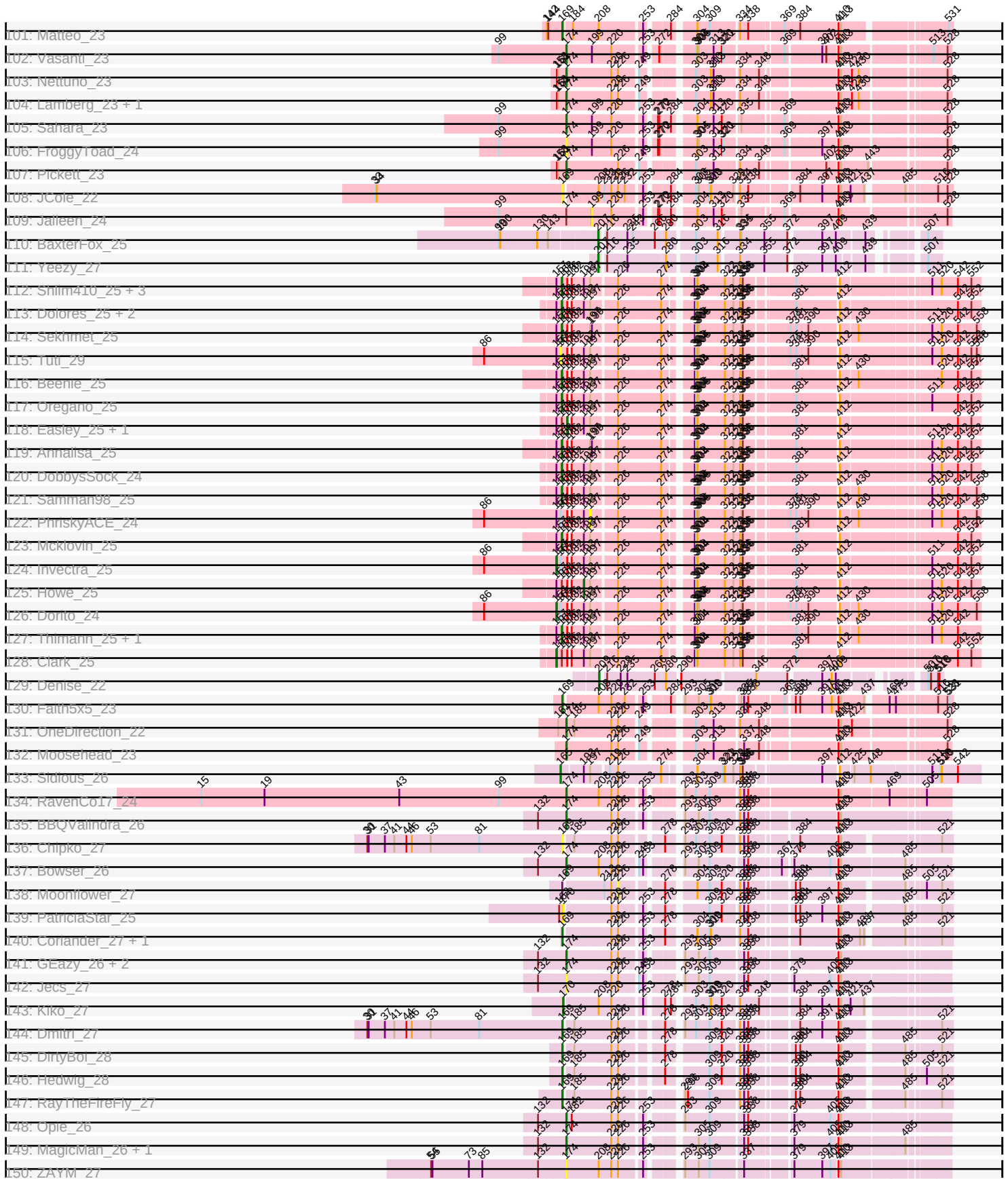
Zoomed Pham 296088



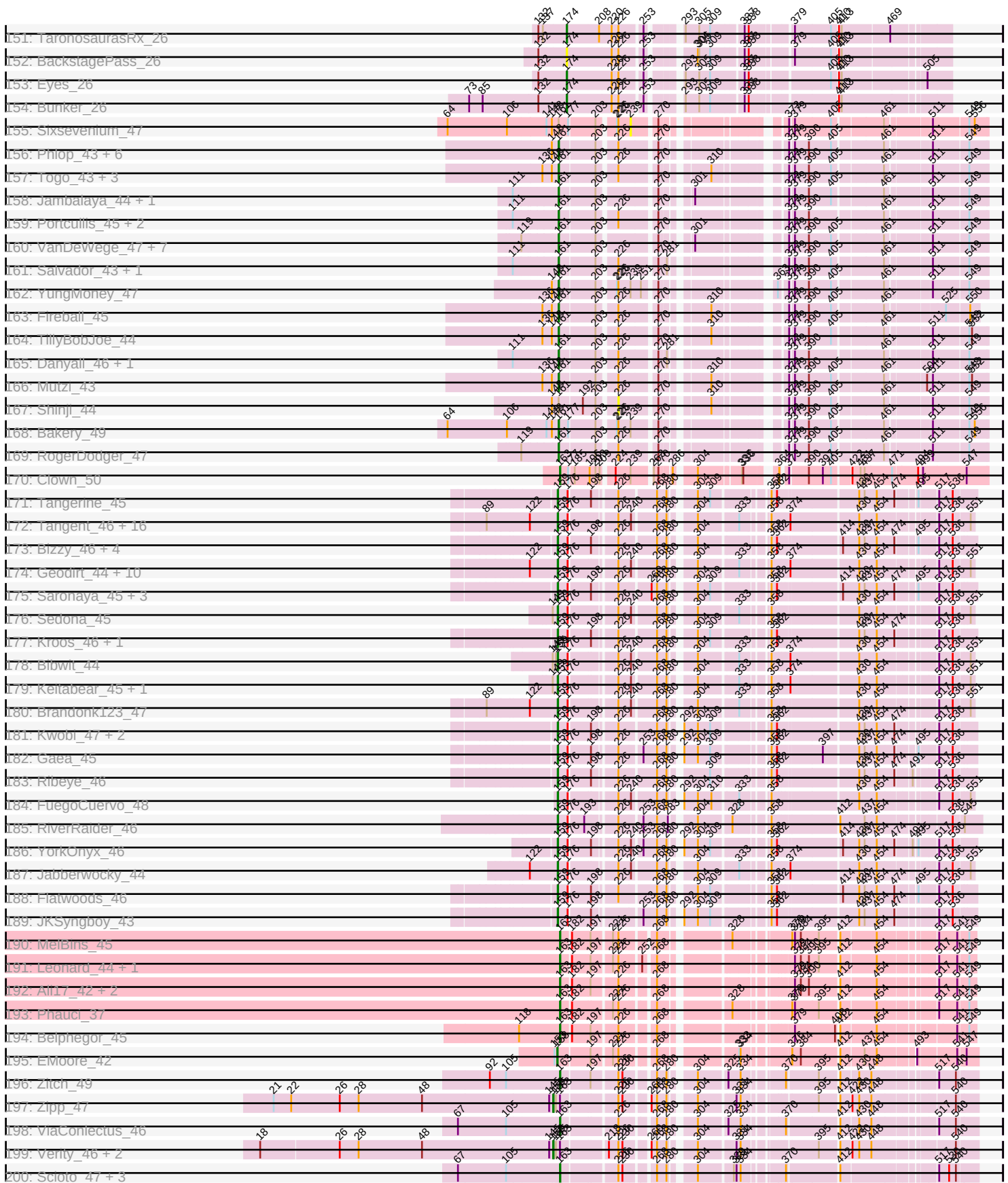
Zoomed Pham 296088



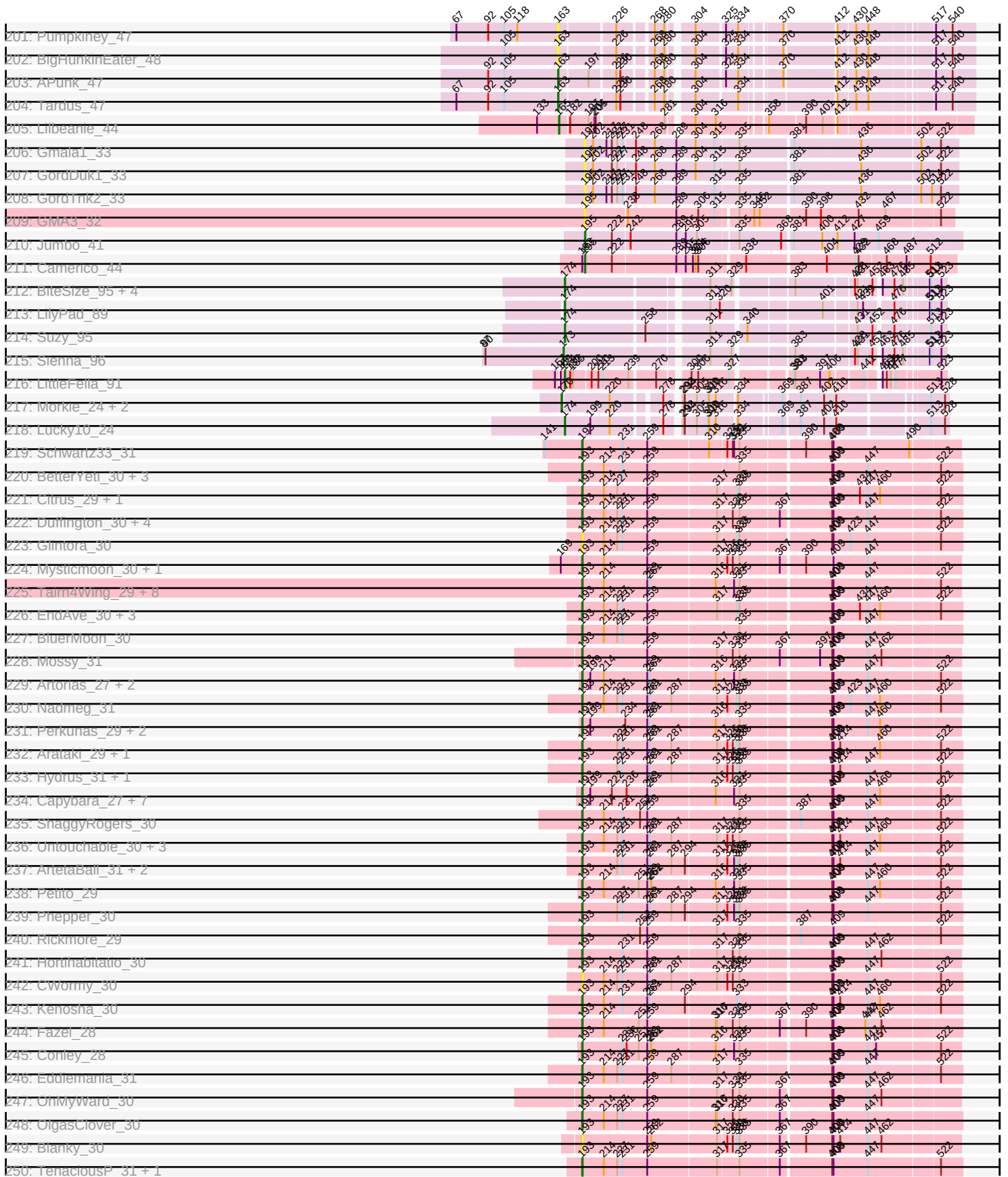
Zoomed Pham 296088



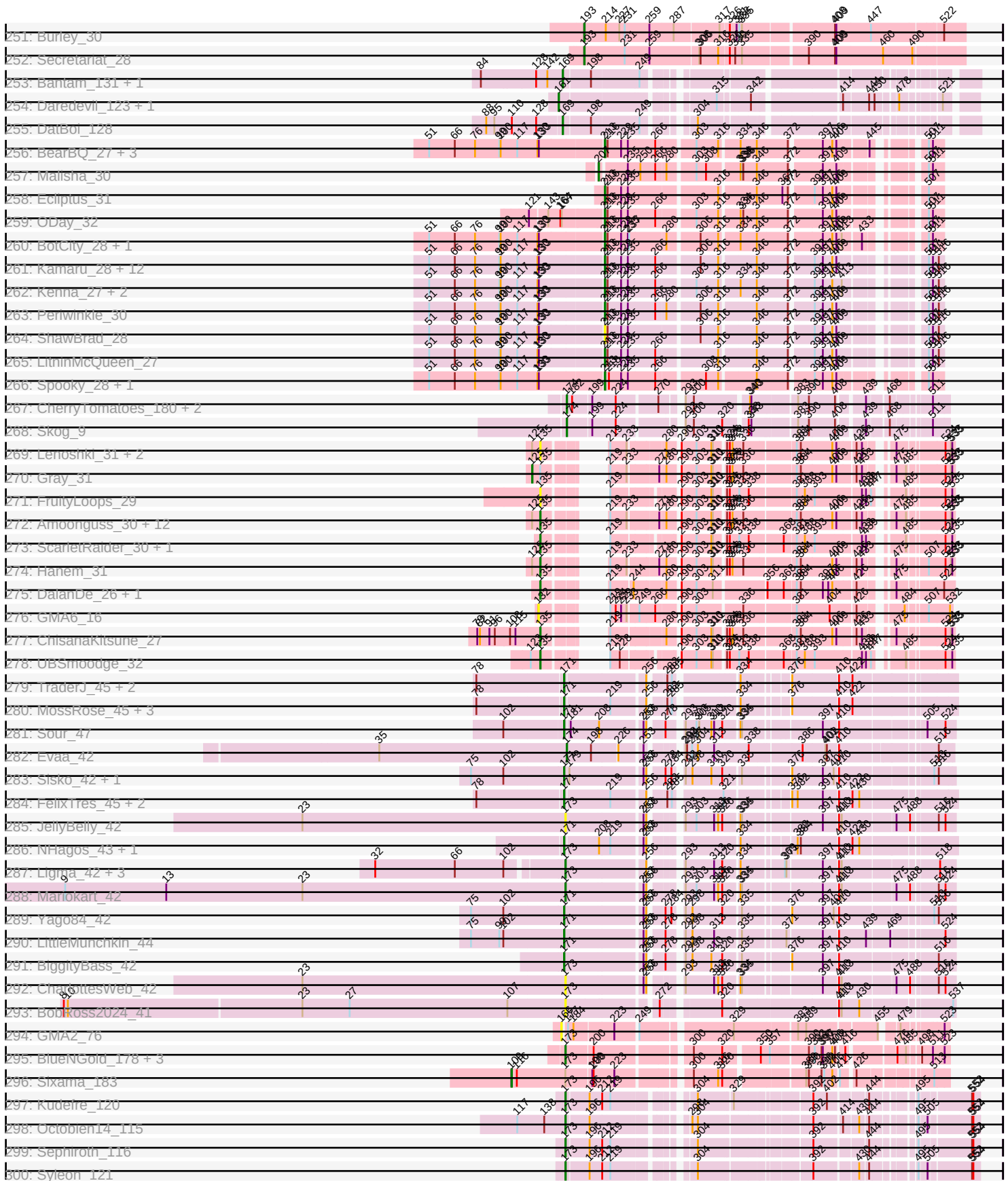
Zoomed Pham 296088



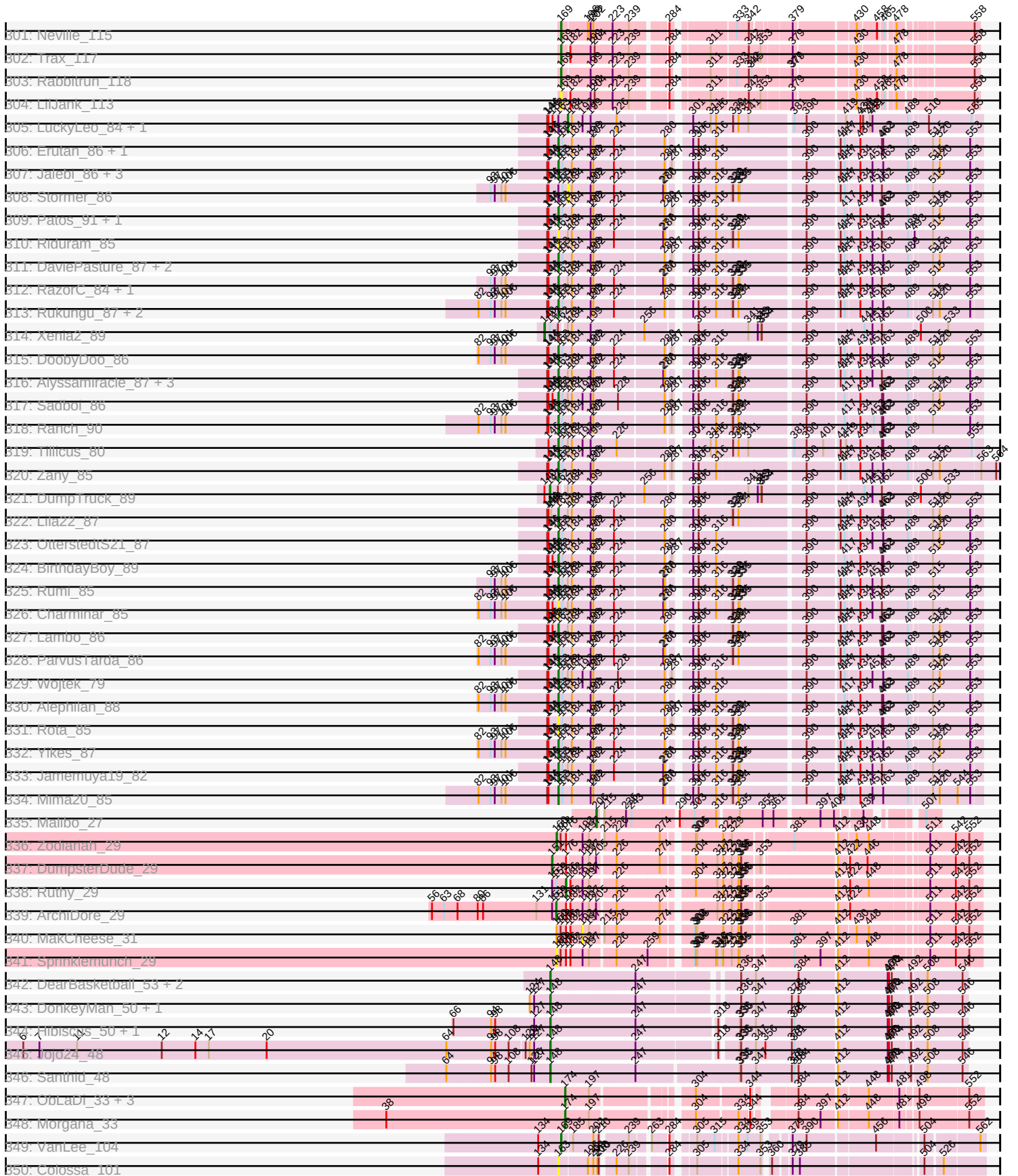
Zoomed Pham 296088



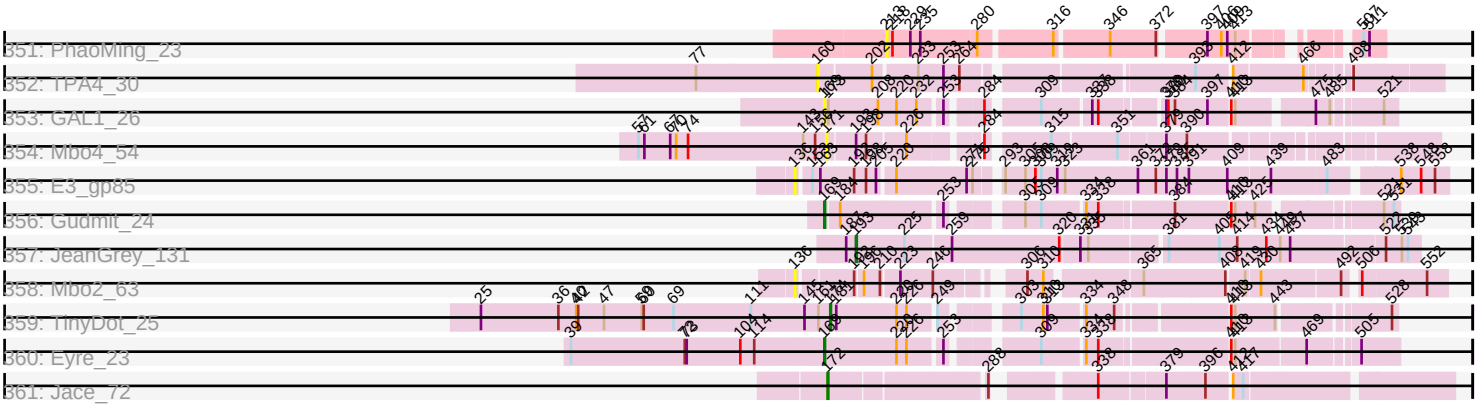
Zoomed Pham 296088



Zoomed Pham 296088



Zoomed Pham 296088



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 296088 Report

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

Pham number 296088 has 647 members, 113 are drafts.

Phages represented in each track:

- Track 1 : Poco6_034, PerroGrande22_37
- Track 2 : Pepy6_033
- Track 3 : Gustav_37
- Track 4 : Puppies_35
- Track 5 : Widow_36
- Track 6 : Trine_36
- Track 7 : Upyo_37
- Track 8 : Mahdia_35
- Track 9 : Srilaccoli3_56
- Track 10 : Reynauld_61
- Track 11 : Dalilpop_23
- Track 12 : GTE5_9
- Track 13 : Flapper_22
- Track 14 : Turuncu_22
- Track 15 : GRU1_9
- Track 16 : SuperSulley_20, Buggaboo_20
- Track 17 : GTE8_7
- Track 18 : Emianna_19, NatB6_19, Foxboro_20, Kurt_19, Jifall16_18, Arti_19, KidneyBean_19, GrootJr_21, NovumRegina_19
- Track 19 : Phomeo_18
- Track 20 : Commandaria_20
- Track 21 : Wheezy_19, Tracker_19
- Track 22 : Outis_19, StarStruck_19
- Track 23 : NosilaM_21, Kabluna_21, Bonum_21
- Track 24 : MerCougar_19
- Track 25 : Lollipop1437_23, Ennea_24
- Track 26 : Patio_21
- Track 27 : Float294_20, Skysand_20
- Track 28 : RedRaider_25
- Track 29 : WhoseManz_19
- Track 30 : NadineRae_17
- Track 31 : BiPauneto_20, Yndexa_19, Sukkupi_19
- Track 32 : Pemberton_20
- Track 33 : IDyn_18
- Track 34 : Marietta_19
- Track 35 : HubbaBubba_15
- Track 36 : HomeFry_22

- Track 37 : Scuba_25
- Track 38 : Fury_25
- Track 39 : Pleakley_25
- Track 40 : Polyyuki_20, Braxoaddie_20, Apiary_20
- Track 41 : Gagieri_19
- Track 42 : Maselep_20
- Track 43 : CoffeeBean_20
- Track 44 : MacGully_23
- Track 45 : Margaret_51, RanchParmCat_50
- Track 46 : CherryonLim_48
- Track 47 : McDazzle_49, ElJefes_48
- Track 48 : KappaFarmDelta_27
- Track 49 : Soilmate_27, CarolAnn_26, Blino_26
- Track 50 : William_26
- Track 51 : Pipp_25, Utz_25
- Track 52 : Jalammah_27
- Track 53 : JasperJr_25, Guacamole_25, MintFen_25, Malachai_26, CaptainKirk2_25, Begonia_26, Melba_25, Zilla_25, Delian_25, Zarbodnamra_25, Wisp_24, PhrostedPhlake_27, BlingBling_25, Barco_25
- Track 54 : Samba_25, Hitter_25
- Track 55 : Fenry_24
- Track 56 : Wocket_27
- Track 57 : Frokostdame_25
- Track 58 : Fairfaxidum_25
- Track 59 : PrincePatrick_25
- Track 60 : CheeseSpider_29
- Track 61 : Oblivate_25, ZiggyZoo_25
- Track 62 : Archis_26
- Track 63 : Lysidious_26
- Track 64 : JuJu_26
- Track 65 : Murp_26
- Track 66 : Gambino_27
- Track 67 : Petra_27
- Track 68 : UmaThurman_25
- Track 69 : MissRona_27, Azula_27, Blueberry_27
- Track 70 : Toast_26, PCoral7_26
- Track 71 : Mellie_24
- Track 72 : Walrus_27
- Track 73 : Orchid_39, Kampe_40, PatrickStar_40
- Track 74 : Gibbles_38, RobinSparkles_42
- Track 75 : Angelique_28
- Track 76 : Lilas_27
- Track 77 : EMSquaredA_27, Pollux_27, Bradissa_27, EnalisNailo_27, Marteena_27, Floral_27
- Track 78 : Confidence_26, BeeGee_26
- Track 79 : BritBrat_27
- Track 80 : Wrigley_28, Jablanski_28, Posh_28, Pytheas_28
- Track 81 : Cashline_26
- Track 82 : LonelyBoi_27
- Track 83 : Bunnybear_24
- Track 84 : Lton_23
- Track 85 : SushiChef_27
- Track 86 : Pepperoni_24

- Track 87 : Ohgeesy_25
- Track 88 : BoyNamedSue_26, AlumE_26, PantheRoc_26, Agueybana_26
- Track 89 : WelcomeAyanna_24, ThankyouJordi_24
- Track 90 : Neobush_27, Manasvini_27, Suscepit_27, Zameen_27, Eudoria_27, Antonio_27, Kita_27, Trumpet_27, Maridalia_26, Tayonia_27
- Track 91 : Bialota_25, Zirinka_25
- Track 92 : Nymphadora_25
- Track 93 : Madavieve_25
- Track 94 : Eviarto_25, BatStarr_25, TimTam_25, Bosnia_25, Herod_25
- Track 95 : Polly_24
- Track 96 : Hyzer_27
- Track 97 : Madeline_25
- Track 98 : Hugley_25
- Track 99 : Yinzer_24, GemG_24, Ebert_24, Gizermo_24, Cynthia_24, Whiteclaw_24, Savage_24, Sproutie_24, Mocha12_24, Clap_24, Haley23_24, TuertoX_24
- Track 100 : Attis_24, Yeet412_24, LordFarquaad_24, SoilAssassin_24, Bjanes7_24
- Track 101 : Matteo_23
- Track 102 : Vasanti_23
- Track 103 : Nettuno_23
- Track 104 : Lamberg_23, EdnaMode_23
- Track 105 : Sahara_23
- Track 106 : FroggyToad_24
- Track 107 : Pickett_23
- Track 108 : JCole_22
- Track 109 : Jalleen_24
- Track 110 : BaxterFox_25
- Track 111 : Yeezy_27
- Track 112 : Shlim410_25, Adora_25, Hortense_25, Twinkle_25
- Track 113 : Dolores_25, Rizz_28, MichaelScott_25
- Track 114 : Sekhmet_25
- Track 115 : Tuti_29
- Track 116 : Beenie_25
- Track 117 : Oregano_25
- Track 118 : Easley_25, WinkNick_25
- Track 119 : Annalisa_25
- Track 120 : DobbysSock_24
- Track 121 : Samman98_25
- Track 122 : PhriskyACE_24
- Track 123 : Mcklovin_25
- Track 124 : Invectra_25
- Track 125 : Howe_25
- Track 126 : Dorito_24
- Track 127 : Thimann_25, Suerte_23
- Track 128 : Clark_25
- Track 129 : Denise_22
- Track 130 : Faith5x5_23
- Track 131 : OneDirection_22
- Track 132 : Moosehead_23
- Track 133 : Sidious_26
- Track 134 : RavenCo17_24
- Track 135 : BBQValindra_26
- Track 136 : Chipko_27

- Track 137 : Bowser_26
- Track 138 : Moonflower_27
- Track 139 : PatriciaStar_25
- Track 140 : Coriander_27, Doggs_26
- Track 141 : GEazy_26, NaLuna_26, HannahD_26
- Track 142 : Jecs_27
- Track 143 : Kiko_27
- Track 144 : Dmitri_27
- Track 145 : DirtyBoi_28
- Track 146 : Hedwig_28
- Track 147 : RayTheFireFly_27
- Track 148 : Opie_26
- Track 149 : MagicMan_26, Schnabeltier_26
- Track 150 : ZAYM_27
- Track 151 : TaronosaurusRx_26
- Track 152 : BackstagePass_26
- Track 153 : Eyes_26
- Track 154 : Bunker_26
- Track 155 : Sixsevenium_47
- Track 156 : Phlop_43, Fugax_47, Egi03_44, Barb_46, PullumCavea_43, ClamChowder_46, PinkCoffee_46
- Track 157 : Togo_43, SmokingBunny_44, Sendy_45, Nubi_44
- Track 158 : Jambalaya_44, Savbucketdawg_44
- Track 159 : Portcullis_45, JohnPork_45, Halo3_44
- Track 160 : VanDeWege_47, Wizard_43, CoveyB_47, Valary_46, KimmyK_45, Arri_47, Gezellig_43, CherryCola_46
- Track 161 : Salvador_43, Evamon_43
- Track 162 : YungMoney_47
- Track 163 : Fireball_45
- Track 164 : TillyBobJoe_44
- Track 165 : Danyall_46, Twister6_46
- Track 166 : Mutzi_43
- Track 167 : Shinji_44
- Track 168 : Bakery_49
- Track 169 : RogerDodger_47
- Track 170 : Clown_50
- Track 171 : Tangerine_45
- Track 172 : Tangent_46, ChadMasterC_46, Paries_48, Fitzgerald_44, McCrothy_45, Vivi2_48, Sanjuju_44, MoontowerMania_45, McKinley_47, Charming_46, Barsten_46, BobBob_43, Rofo_46, Shivanishola_45, Galadriel_45, Love_49, Nordenberg_40
- Track 173 : Bizzy_46, Derg_41, SchottB_44, Baumdotcom_44, LilHam_43
- Track 174 : Geodirt_44, Fosterous_43, Kamashten_43, Affeca_43, Kewpiedoll_45, Brawn1_42, Lennon_45, Angelicage_43, Sitar_45, Thing3_43, Stultus_44
- Track 175 : Saronaya_45, Baddon_45, Ashertheman_46, Gustavo_45
- Track 176 : Sedona_45
- Track 177 : Kroos_46, Stichling_43
- Track 178 : Bibwit_44
- Track 179 : Keitabear_45, Ailee_42
- Track 180 : Brandonk123_47
- Track 181 : Kwobi_47, StorminNorm_45, Tycho_45
- Track 182 : Gaea_45
- Track 183 : Ribeye_46

- Track 184 : FuegoCuervo_48
- Track 185 : RiverRaider_46
- Track 186 : YorkOnyx_46
- Track 187 : Jabberwocky_44
- Track 188 : Flatwoods_46
- Track 189 : JKSyngboy_43
- Track 190 : MelBins_45
- Track 191 : Leonard_44, Phinally_44
- Track 192 : Ali17_42, Hans_46, Inspectinfecti_45
- Track 193 : Phauci_37
- Track 194 : Belphegor_45
- Track 195 : EMoore_42
- Track 196 : Zitch_49
- Track 197 : Zipp_47
- Track 198 : ViaConlectus_46
- Track 199 : Verity_46, Delrey21_46, DoctorFroggo_46
- Track 200 : Scioto_47, Sampson_46, Natkenzie_46, Abblin_46
- Track 201 : Pumpkiney_47
- Track 202 : BigHunkinEater_48
- Track 203 : APunk_47
- Track 204 : Tardus_47
- Track 205 : Lilbeanie_44
- Track 206 : Gmala1_33
- Track 207 : GordDuk1_33
- Track 208 : GordTnk2_33
- Track 209 : GMA3_32
- Track 210 : Jumbo_41
- Track 211 : Camerico_44
- Track 212 : BiteSize_95, Madi_94, Beyoncage_95, Djokovic_95, Terapin_96
- Track 213 : LilyPad_89
- Track 214 : Suzy_95
- Track 215 : Sienna_96
- Track 216 : LittleFella_91
- Track 217 : Morkie_24, InLimbo_25, PhorbesPhlower_24
- Track 218 : Lucky10_24
- Track 219 : Schwartz33_31
- Track 220 : BetterYeti_30, PestoPenguin_33, Aloe25_33, Gusicorn_30
- Track 221 : Citrus_29, Luthien_31
- Track 222 : Duffington_30, Tonaltzin_32, MajinBuu_30, Figliar_30, Aflac_30
- Track 223 : Glintora_30
- Track 224 : Mysticmoon_30, Pherobrine_29
- Track 225 : Tairn4Wing_29, ChickyNuggy_28, JulesRay_27, Football_28, Bugg_28, Trufflozitus_30, Dancer_27, NoPickles_27, Captrips_27
- Track 226 : EndAve_30, AlainaMarie_30, Chickenjars_30, Nithya_30
- Track 227 : BluerMoon_30
- Track 228 : Mossy_31
- Track 229 : Artorias_27, Avazak_27, FortCran_27
- Track 230 : Nadmeg_31
- Track 231 : Perkunas_29, SweetCrkHerbs_29, Talon44_28
- Track 232 : Arataki_29, Demure_29
- Track 233 : Hydrus_31, Zeph_31
- Track 234 : Capybara_27, Roney_27, Gill_27, Odesza_27, Kerry_27, Tanis_27, Gravy_27, Magel_27

- Track 235 : ShaggyRogers_30
- Track 236 : Untouchable_30, Madvan_30, Crocheter_30, Dialga_31
- Track 237 : ArtetaBall_31, Runhaar_30, Vardy_30
- Track 238 : Petito_29
- Track 239 : Phepper_30
- Track 240 : Rickmore_29
- Track 241 : Hortihabitatio_30
- Track 242 : CWormy_30
- Track 243 : Kenosha_30
- Track 244 : Fazel_28
- Track 245 : Conley_28
- Track 246 : Eddiemania_31
- Track 247 : OhMyWard_30
- Track 248 : OlgasClover_30
- Track 249 : Blanky_30
- Track 250 : TenaciousP_31, Jodelie19_31
- Track 251 : Burley_30
- Track 252 : Secretariat_28
- Track 253 : Bantam_131, SpeedDemon_1340
- Track 254 : Daredevil_123, Towmatter_121
- Track 255 : DatBoi_128
- Track 256 : BearBQ_27, Kuwabara_27, MortyNRick_27, Birdsong_27
- Track 257 : Malisha_30
- Track 258 : Ecliptus_31
- Track 259 : ODay_32
- Track 260 : BotCity_28, BENtherdunthat_28
- Track 261 : Kamaru_28, Getalong_29, Horus_28, Budski_28, CheeseTouch_28, Holliday_28, Leroy_28, Crater_26, Phistory_29, Phabuloso_27, Frickyeah_27, Apricot_27, Whitney_29
- Track 262 : Kenna_27, Lutum_28, Asapag_28
- Track 263 : Periwinkle_30
- Track 264 : ShawBrad_28
- Track 265 : LitninMcQueen_27
- Track 266 : Spooky_28, Squiddly_30
- Track 267 : CherryTomatoes_180, Pupper_177, SCentae_176
- Track 268 : Skog_9
- Track 269 : Lenoshki_31, Beted_31, Oogie_31
- Track 270 : Gray_31
- Track 271 : FruityLoops_29
- Track 272 : Amoonguss_30, Schomber_30, Twin_30, Chidiebere_31, Toneprano_30, EmoNemo_30, Argena_30, Kabocha_32, Alok_30, Pakusa_30, Mikronejon_30, Farrylous_29, MintFritos_30
- Track 273 : ScarletRaider_30, FlyingTortilla_30
- Track 274 : Hanem_31
- Track 275 : DalanDe_26, Thales_26
- Track 276 : GMA6_16
- Track 277 : ChisanaKitsune_27
- Track 278 : UBSmoodge_32
- Track 279 : TraderJ_45, Yeshua_45, Wooper_45
- Track 280 : MossRose_45, MakoManhole_45, CaiB_45, AnarQue_45
- Track 281 : Sour_47
- Track 282 : Evaa_42
- Track 283 : Sisko_42, AnClar_43

- Track 284 : FelixTres_45, CloverMinnie_45, Blackpen_45
- Track 285 : JellyBelly_42
- Track 286 : NHagos_43, AksarBAT_43
- Track 287 : Ligma_42, Fresco_42, Axumite_42, Shatter_42
- Track 288 : Mariokart_42
- Track 289 : Yago84_42
- Track 290 : LittleMunchkin_44
- Track 291 : BiggityBass_42
- Track 292 : CharlottesWeb_42
- Track 293 : BobRoss2024_41
- Track 294 : GMA2_76
- Track 295 : BlueNGold_178, Forza_182, Mareelih_179, Boopy_181
- Track 296 : Sixama_183
- Track 297 : Kudefre_120
- Track 298 : Octobien14_115
- Track 299 : Sephiroth_116
- Track 300 : Syleon_121
- Track 301 : Neville_115
- Track 302 : Trax_117
- Track 303 : Rabbitrun_118
- Track 304 : LilJank_113
- Track 305 : LuckyLeo_84, Apeppi_82
- Track 306 : Erutan_86, GretelLyn_86
- Track 307 : Jalebi_86, MoiGyank_89, Sampudon_88, Gibbin_88
- Track 308 : Stormer_86
- Track 309 : Patos_91, NorManre_91
- Track 310 : Riduram_85
- Track 311 : DaviePasture_87, LavAbarElk_86, Pywacket_83
- Track 312 : RazorC_84, Avian_82
- Track 313 : Rukungu_87, GOATification_85, Fulcrum_85
- Track 314 : Xenia2_89
- Track 315 : DoobyDoo_86
- Track 316 : Alyssamiracle_87, Genamy16_87, NovaSharks_86, Astralis_84
- Track 317 : Sadboi_86
- Track 318 : Ranch_90
- Track 319 : Tillicus_80
- Track 320 : Zany_85
- Track 321 : DumpTruck_89
- Track 322 : Lila22_87
- Track 323 : OtterstedtS21_87
- Track 324 : BirthdayBoy_89
- Track 325 : Rumi_85
- Track 326 : Charminar_85
- Track 327 : Lambo_86
- Track 328 : ParvusTarda_86
- Track 329 : Wojtek_79
- Track 330 : Alephilan_88
- Track 331 : Rota_85
- Track 332 : Yikes_87
- Track 333 : Jamemuya19_82
- Track 334 : Mima20_85
- Track 335 : Malibo_27
- Track 336 : Zodiariah_29

- Track 337 : DumpsterDude_29
- Track 338 : Ruthy_29
- Track 339 : ArchiDore_29
- Track 340 : MakCheese_31
- Track 341 : Sprinklemunch_29
- Track 342 : DearBasketball_53, Reyja_51, DinoNuggs_51
- Track 343 : DonkeyMan_50, Tarzan_50
- Track 344 : Hibiscus_50, Heinz_49
- Track 345 : Jojo24_48
- Track 346 : Santhid_48
- Track 347 : ObLaDi_33, ModicumRichard_33, Aleemily_32, Cafasso_33
- Track 348 : Morgana_33
- Track 349 : VanLee_104
- Track 350 : Colossa_101
- Track 351 : PhaoMing_23
- Track 352 : TPA4_30
- Track 353 : GAL1_26
- Track 354 : Mbo4_54
- Track 355 : E3_gp85
- Track 356 : Gudmit_24
- Track 357 : JeanGrey_131
- Track 358 : Mbo2_63
- Track 359 : TinyDot_25
- Track 360 : Eyre_23
- Track 361 : Jace_72

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

The start number called the most often in the published annotations is 174, it was called in 60 of the 534 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Aleemily_32, Attis_24, BBQValindra_26, BackstagePass_26, Beyoncage_95, BiteSize_95, Bjanesh_24, Bowser_26, Bunker_26, Cafasso_33, CherryTomatoes_180, Clap_24, Cynthia_24, Djokovic_95, Ebert_24, EdnaMode_23, Evaa_42, Eyes_26, FroggyToad_24, GEazy_26, GemG_24, Gizermo_24, Haley23_24, HannahD_26, Jecs_27, Lamberg_23, LilyPad_89, LittleFella_91, LordFarquaad_24, Lton_23, Lucky10_24, Madi_94, MagicMan_26, Mocha12_24, ModicumRichard_33, Moosehead_23, Morgana_33, NaLuna_26, Nettuno_23, ObLaDi_33, OneDirection_22, Opie_26, Pickett_23, Pupper_177, Puppies_35, RavenCo17_24, SCentae_176, Sahara_23, Savage_24, Schnabeltier_26, Skog_9, SoilAssassin_24, Sproutie_24, Suzy_95, TaronosaurusRx_26, Terapin_96, TinyDot_25, Trine_36, TuertoX_24, Upyo_37, Vasanti_23, Whiteclaw_24, Widow_36, Yeet412_24, Yinzer_24, ZAYM_27,

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

- Jalleen_24, Mahdia_35,

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

• APunk_47, Abblin_46, Adora_25, Affeca_43, Aflac_30, Agueybana_26, Ailee_42, AksarBAT_43, AlainaMarie_30, Alephilan_88, Ali17_42, Aloe25_33, Aloki_30, AlumE_26, Alyssamiracle_87, Amoonguss_30, AnClar_43, AnarQue_45, Angelicage_43, Angelique_28, Annalisa_25, Antonio_27, Apeppi_82, Apiary_20, Apricot_27, Arataki_29, ArchiDore_29, Archis_26, Argena_30, Arri_47, ArtetaBall_31, Arti_19, Artorias_27, Asapag_28, Ashertheman_46, Astralis_84, Avazak_27, Avian_82, Axumite_42, Azula_27, BENtherdunthat_28, Baddon_45, Bakery_49, Bantam_131, Barb_46, Barco_25, Barsten_46, BatStarr_25, Baumdotcom_44, BaxterFox_25, BearBQ_27, BeeGee_26, Beenie_25, Begonia_26, Belphegor_45, Beted_31, BetterYeti_30, BiPauneto_20, Bialota_25, Bibwit_44, BigHunkinEater_48, BiggityBass_42, Birdsong_27, BirthdayBoy_89, Bizzy_46, Blackpen_45, Blanky_30, BlingBling_25, Blino_26, BlueNGold_178, Blueberry_27, BluerMoon_30, BobBob_43, BobRoss2024_41, Bonum_21, Boopy_181, Bosnia_25, BotCity_28, BoyNamedSue_26, Bradissa_27, Brandonk123_47, Brawn1_42, Braxoaddie_20, BritBrat_27, Budski_28, Bugg_28, Buggaboo_20, Bunnybear_24, Burley_30, CWormy_30, CaiB_45, Camerico_44, CaptainKirk2_25, Captrips_27, Capybara_27, CarolAnn_26, Cashline_26, ChadMasterC_46, CharlottesWeb_42, Charminar_85, Charming_46, CheeseSpider_29, CheeseTouch_28, CherryCola_46, CherryonLim_48, ChickyNuggy_28, Chidiebere_31, Chikenjars_30, Chipko_27, ChisanaKitsune_27, Citrus_29, ClamChowder_46, Clark_25, CloverMinnie_45, Clown_50, CoffeeBean_20, Colossa_101, Commandaria_20, Confidence_26, Conley_28, Coriander_27, CoveyB_47, Crater_26, Crocheter_30, DalanDe_26, Dalilpop_23, Dancer_27, Danyall_46, Daredevil_123, DatBoi_128, DaviePasture_87, DearBasketball_53, Delian_25, Delrey21_46, Demure_29, Denise_22, Derg_41, Dialga_31, DinoNuggs_51, DirtyBoi_28, Dmitri_27, DobbysSock_24, DoctorFroggo_46, Doggs_26, Dolores_25, DonkeyMan_50, DoobyDoo_86, Dorito_24, Duffington_30, DumpTruck_89, DumpsterDude_29, E3_gp85, EMoore_42, EMSquaredA_27, Easley_25, Ecliptus_31, Eddiemania_31, Egi03_44, ElJefes_48, Emianna_19, EmoNemo_30, EnalisNailo_27, EndAve_30, Ennea_24, Erutan_86, Eudoria_27, Evamon_43, Eviarto_25, Eyre_23, Fairfaxidum_25, Faith5x5_23, Farrylious_29, Fazel_28, FelixTres_45, Fenry_24, Figliar_30, Fireball_45, Fitzgerald_44, Flapper_22, Flatwoods_46, Float294_20, Floral_27, FlyingTortilla_30, Football_28, FortCran_27, Forza_182, Fosterous_43, Foxboro_20, Fresco_42, Frickyeah_27, Frokostdame_25, FruityLoops_29, FuegoCuervo_48, Fugax_47, Fulcrum_85, Fury_25, GAL1_26, GMA2_76, GMA3_32, GMA6_16, GOATification_85, GRU1_9, GTE5_9, GTE8_7, Gaea_45, Gagieri_19, Galadriel_45, Gambino_27, Genamy16_87, Geodirt_44, Getalong_29, Gezellig_43, Gibbin_88, Gibbles_38, Gill_27, Glintora_30, Gmala1_33, GordDuk1_33, GordTnk2_33, Gravy_27, Gray_31, GretelLyn_86, GrootJr_21, Guacamole_25, Gudmit_24, Gusicorn_30, Gustav_37, Gustavo_45, Halo3_44, Hanem_31, Hans_46, Hedwig_28, Heinz_49, Herod_25, Hibiscus_50, Hitter_25, Holliday_28, HomeFry_22, Hortense_25, Hortihabitatio_30, Horus_28, Howe_25, HubbaBubba_15, Hugley_25, Hydrus_31, Hyzer_27, IDyn_18, InLimbo_25, Inspectinfecti_45, Invectra_25, JCole_22, JKSyngboy_43, Jabberwocky_44, Jablanski_28, Jace_72, Jalammah_27, Jalebi_86, Jambalaya_44, Jamemuya19_82, JasperJr_25, JeanGrey_131, JellyBelly_42, Jifall16_18, Jodelie19_31, JohnPork_45, Jojo24_48, JuJu_26, JulesRay_27, Jumbo_41, Kabluna_21, Kabocha_32, Kamaru_28, Kamashten_43, Kampe_40, KappaFarmDelta_27, Keitabear_45, Kenna_27, Kenosha_30, Kerry_27, Kewpiedoll_45, KidneyBean_19, Kiko_27, KimmyK_45, Kita_27, Kroos_46, Kudrefre_120, Kurt_19, Kuwabara_27, Kwobi_47, Lambo_86, LavAbarElk_86, Lennon_45, Lenoshki_31, Leonard_44, Leroy_28, Ligma_42, LilHam_43, LilJank_113, Lila22_87, Lilas_27, Lilbeanie_44, LitninMcQueen_27, LittleMunchkin_44, Lollipop1437_23, LonelyBoi_27, Love_49, LuckyLeo_84,

Luthien_31, Lutum_28, Lysidious_26, MacGully_23, Madavieve_25, Madeline_25,
 Madvan_30, MageI_27, MajinBuu_30, MakCheese_31, MakoManhole_45,
 Malachai_26, Malibo_27, Malisha_30, Manasvini_27, Mareelih_179, Margaret_51,
 Maridalia_26, Marietta_19, Mariokart_42, Marteena_27, Maselop_20, Matteo_23,
 Mbo2_63, Mbo4_54, McCrothy_45, McDazzle_49, McKinley_47, Mcklovin_25,
 MelBins_45, Melba_25, Mellie_24, MerCougar_19, MichaelScott_25, Mikronejon_30,
 Mima20_85, MintFen_25, MintFritos_30, MissRona_27, MoiGyank_89,
 Moonflower_27, MoontowerMania_45, Morkie_24, MortyNRick_27, MossRose_45,
 Mossy_31, Murp_26, Mutzi_43, Mysticmoon_30, NHagos_43, NadineRae_17,
 Nadmeg_31, NatB6_19, Natkenzie_46, Neobush_27, Neville_115, Nithya_30,
 NoPickles_27, NorManre_91, Nordenberg_40, NosilaM_21, NovaSharks_86,
 NovumRegina_19, Nubi_44, Nymphadora_25, ODay_32, Obliviate_25,
 Octobien14_115, Odesza_27, OhMyWard_30, Ohgeesy_25, OlgasClover_30,
 Oogie_31, Orchid_39, Oregano_25, OtterstedtS21_87, Outis_19, PCoral7_26,
 Pakusa_30, PantheRoc_26, Paries_48, ParvusTarda_86, Patio_21, Patos_91,
 PatriciaStar_25, PatrickStar_40, Pemberton_20, Pepperoni_24, Pepy6_033,
 Periwinkle_30, Perkunas_29, PerroGrande22_37, PestoPenguin_33, Petito_29,
 Petra_27, Phabuloso_27, PhaoMing_23, Phauci_37, Phepper_30, Pherobrine_29,
 Phinally_44, Phistory_29, Phlop_43, Phomeo_18, PhorbesPhlower_24,
 PhriskyACE_24, PhrostedPhlake_27, PinkCoffee_46, Pipp_25, Pleakley_25,
 Poco6_034, Pollux_27, Polly_24, Polyuyuki_20, Portcullis_45, Posh_28,
 PrincePatrick_25, PullumCavea_43, Pumpkiney_47, Pytheas_28, Pywacket_83,
 Rabbitrun_118, RanchParmCat_50, Ranch_90, RayTheFireFly_27, RazorC_84,
 RedRaider_25, Reyja_51, Reynauld_61, Ribeye_46, Rickmore_29, Riduram_85,
 RiverRaider_46, Rizz_28, RobinSparkles_42, Rofo_46, RogerDodger_47, Roney_27,
 Rota_85, Rukungu_87, Rumi_85, Runhaar_30, Ruthy_29, Sadboi_86, Salvador_43,
 Samba_25, Samman98_25, Sampson_46, Sampudon_88, Sanjuju_44, Santhid_48,
 Saronaya_45, Savbucketdawg_44, ScarletRaider_30, Schomber_30, SchottB_44,
 Schwartz33_31, Scioto_47, Scuba_25, Secretariat_28, Sedona_45, Sekhmet_25,
 Sendy_45, Sephiroth_116, ShaggyRogers_30, Shatter_42, ShawBrad_28, Shinji_44,
 Shivanishola_45, Shlim410_25, Sidious_26, Sienna_96, Sisko_42, Sitar_45,
 Sixama_183, Sixsevenium_47, Skysand_20, SmokingBunny_44, Soilmate_27,
 Sour_47, SpeedDemon_1340, Spooky_28, Sprinklemunch_29, Squiddly_30,
 Srilaccoli3_56, StarStruck_19, Stichling_43, Stormer_86, StorminNorm_45,
 Stultus_44, Suerte_23, Sukkupi_19, SuperSulley_20, Suscepit_27, SushiChef_27,
 SweetCrkHerbs_29, Syleon_121, TPA4_30, Tairn4Wing_29, Talon44_28,
 Tangent_46, Tangerine_45, Tanis_27, Tardus_47, Tarzan_50, Tayonia_27,
 TenaciousP_31, Thales_26, ThankyouJordi_24, Thimann_25, Thing3_43, Tillicus_80,
 TillyBobJoe_44, TimTam_25, Toast_26, Togo_43, Tonaltzin_32, Toneprano_30,
 Towmatter_121, Tracker_19, TraderJ_45, Trax_117, Trufflozitus_30, Trumpet_27,
 Turuncu_22, Tuti_29, Twin_30, Twinkle_25, Twister6_46, Tycho_45,
 UBSmoodge_32, UmaThurman_25, Untouchable_30, Utz_25, Valary_46,
 VanDeWege_47, VanLee_104, Vardy_30, Verity_46, ViaConlectus_46, Vivi2_48,
 Walrus_27, WelcomeAyanna_24, Wheezy_19, Whitney_29, WhoseManz_19,
 William_26, WinkNick_25, Wisp_24, Wizard_43, Wocket_27, Wojtek_79, Wooper_45,
 Wrigley_28, Xenia2_89, Yago84_42, Yeezy_27, Yeshua_45, Yikes_87, Yndexa_19,
 YorkOnyx_46, YungMoney_47, Zameen_27, Zany_85, Zarbodnamra_25, Zeph_31,
 ZiggyZoo_25, Zilla_25, Zipp_47, Zirinka_25, Zitch_49, Zodiariah_29,

Summary by start number:

Start 109:

- Found in 1 of 647 (0.2%) of genes in pham

- Manual Annotations of this start: 1 of 534
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Sixama_183 (DS),

Start 123:

- Found in 6 of 647 (0.9%) of genes in pham
- Manual Annotations of this start: 1 of 534
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Fury_25 (CR5), HomeFry_22 (CR5), Scuba_25 (CR5),

Start 125:

- Found in 18 of 647 (2.8%) of genes in pham
- Manual Annotations of this start: 1 of 534
- Called 5.6% of time when present
- Phage (with cluster) where this start called: Gray_31 (DQ),

Start 127:

- Found in 9 of 647 (1.4%) of genes in pham
- Manual Annotations of this start: 1 of 534
- Called 33.3% of time when present
- Phage (with cluster) where this start called: CherryonLim_48 (CT), ElJefes_48 (CT), McDazzle_49 (CT),

Start 130:

- Found in 69 of 647 (10.7%) of genes in pham
- Manual Annotations of this start: 24 of 534
- Called 39.1% of time when present
- Phage (with cluster) where this start called: Arti_19 (CR2), Commandaria_20 (CR2), Dalilpop_23 (CR1), Emianna_19 (CR2), Ennea_24 (CR3), Flapper_22 (CR1), Float294_20 (CR3), Foxboro_20 (CR2), GRU1_9 (CR1), GTE5_9 (CR1), GTE8_7 (CR2), GrootJr_21 (CR2), Jifall16_18 (CR2), KidneyBean_19 (CR2), Kurt_19 (CR2), Lollipop1437_23 (CR3), Margaret_51 (CT), NatB6_19 (CR2), NovumRegina_19 (CR2), Patio_21 (CR3), Phomeo_18 (CR2), RanchParmCat_50 (CT), RedRaider_25 (CR3), Skysand_20 (CR3), Tracker_19 (CR2), Turuncu_22 (CR1), Wheezy_19 (CR2),

Start 132:

- Found in 18 of 647 (2.8%) of genes in pham
- Manual Annotations of this start: 3 of 534
- Called 22.2% of time when present
- Phage (with cluster) where this start called: BiPauneto_20 (CR4), GMA6_16 (DQ), Sukkupi_19 (CR4), Yndexa_19 (CR4),

Start 134:

- Found in 5 of 647 (0.8%) of genes in pham
- Manual Annotations of this start: 3 of 534
- Called 60.0% of time when present
- Phage (with cluster) where this start called: HubbaBubba_15 (CR4), IDyn_18 (CR4), NadineRae_17 (CR4),

Start 135:

- Found in 33 of 647 (5.1%) of genes in pham

- Manual Annotations of this start: 17 of 534
- Called 97.0% of time when present
- Phage (with cluster) where this start called: Alok_i_30 (DQ), Amoonguss_30 (DQ), Argena_30 (DQ), Beted_31 (DQ), Bonum_21 (CR2), Buggaboo_20 (CR2), Chidiebere_31 (DQ), ChisanaKitsune_27 (DQ), DalanDe_26 (DQ), EmoNemo_30 (DQ), Farrylous_29 (DQ), FlyingTortilla_30 (DQ), FruityLoops_29 (DQ), Hanem_31 (DQ), Kabluna_21 (CR2), Kabocha_32 (DQ), Lenoshki_31 (DQ), MerCougar_19 (CR2), Mikronejon_30 (DQ), MintFritos_30 (DQ), NosilaM_21 (CR2), Oogie_31 (DQ), Outis_19 (CR2), Pakusa_30 (DQ), ScarletRaider_30 (DQ), Schomber_30 (DQ), StarStruck_19 (CR2), SuperSulley_20 (CR2), Thales_26 (DQ), Toneprano_30 (DQ), Twin_30 (DQ), UBSmoodge_32 (DQ),

Start 136:

- Found in 9 of 647 (1.4%) of genes in pham
- No Manual Annotations of this start.
- Called 22.2% of time when present
- Phage (with cluster) where this start called: E3_gp85 (singleton), Mbo2_63 (singleton),

Start 140:

- Found in 2 of 647 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 534
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Xenia2_89 (DV),

Start 142:

- Found in 12 of 647 (1.9%) of genes in pham
- Manual Annotations of this start: 1 of 534
- Called 8.3% of time when present
- Phage (with cluster) where this start called: BritBrat_27 (CY2),

Start 144:

- Found in 51 of 647 (7.9%) of genes in pham
- Manual Annotations of this start: 1 of 534
- Called 2.0% of time when present
- Phage (with cluster) where this start called: Lilas_27 (CY1),

Start 147:

- Found in 3 of 647 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 534
- Called 33.3% of time when present
- Phage (with cluster) where this start called: DumpTruck_89 (DV),

Start 148:

- Found in 27 of 647 (4.2%) of genes in pham
- Manual Annotations of this start: 7 of 534
- Called 33.3% of time when present
- Phage (with cluster) where this start called: DearBasketball_53 (DY), DinoNuggs_51 (DY), DonkeyMan_50 (DY), Heinz_49 (DY), Hibiscus_50 (DY), Jojo24_48 (DY), Reyja_51 (DY), Santhid_48 (DY), Tarzan_50 (DY),

Start 150:

- Found in 4 of 647 (0.6%) of genes in pham

- Manual Annotations of this start: 4 of 534
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Delrey21_46 (DE4), DoctorFroggo_46 (DE4), Verity_46 (DE4), Zipp_47 (DE4),

Start 151:

- Found in 3 of 647 (0.5%) of genes in pham
- Manual Annotations of this start: 1 of 534
- Called 33.3% of time when present
- Phage (with cluster) where this start called: DumpsterDude_29 (DW),

Start 153:

- Found in 10 of 647 (1.5%) of genes in pham
- Manual Annotations of this start: 7 of 534
- Called 70.0% of time when present
- Phage (with cluster) where this start called: Apiary_20 (CR6), Braxoaddie_20 (CR6), CoffeeBean_20 (CR6), Gagieri_19 (CR6), MacGully_23 (CR7), Maselop_20 (CR6), Polyyuki_20 (CR6),

Start 154:

- Found in 7 of 647 (1.1%) of genes in pham
- Manual Annotations of this start: 6 of 534
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Blino_26 (CV), CarolAnn_26 (CV), JuJu_26 (CV), KappaFarmDelta_27 (CV), Obliviate_25 (CV), Soilmate_27 (CV), ZiggyZoo_25 (CV),

Start 155:

- Found in 10 of 647 (1.5%) of genes in pham
- Manual Annotations of this start: 1 of 534
- Called 20.0% of time when present
- Phage (with cluster) where this start called: Reynauld_61 (CH), Srilaccoli3_56 (CH),

Start 157:

- Found in 71 of 647 (11.0%) of genes in pham
- Manual Annotations of this start: 33 of 534
- Called 49.3% of time when present
- Phage (with cluster) where this start called: Archis_26 (CV), Azula_27 (CV), Barco_25 (CV), Begonia_26 (CV), BlingBling_25 (CV), Blueberry_27 (CV), Bunnybear_24 (CZ), CaptainKirk2_25 (CV), CheeseSpider_29 (CV), Clark_25 (CZ4), Delian_25 (CV), Dorito_24 (CZ4), Fenry_24 (CV), Frokostdame_25 (CV), Guacamole_25 (CV), Hitter_25 (CV), Invectra_25 (CZ4), Jalammah_27 (CV), JasperJr_25 (CV), Lysidious_26 (CV), Malachai_26 (CV), Melba_25 (CV), Mellie_24 (CV), MintFen_25 (CV), MissRona_27 (CV), Murp_26 (CV), PhrostedPhlake_27 (CV), Pipp_25 (CV), Samba_25 (CV), UmaThurman_25 (CV), Utz_25 (CV), Walrus_27 (CV), Wisp_24 (CV), Zarbodnamra_25 (CV), Zilla_25 (CV),

Start 158:

- Found in 8 of 647 (1.2%) of genes in pham
- Manual Annotations of this start: 1 of 534
- Called 12.5% of time when present
- Phage (with cluster) where this start called: EMoore_42 (DE2),

Start 159:

- Found in 58 of 647 (9.0%) of genes in pham
- Manual Annotations of this start: 54 of 534
- Called 98.3% of time when present
- Phage (with cluster) where this start called: Affeca_43 (DE1), Ailee_42 (DE1), Angelicage_43 (DE1), ArchiDore_29 (DW), Ashertheman_46 (DE1), Baddon_45 (DE1), Barsten_46 (DE1), Baumdotcom_44 (DE1), Bibwit_44 (DE1), Bizzy_46 (DE1), BobBob_43 (DE1), Brandonk123_47 (DE1), Brawn1_42 (DE1), ChadMasterC_46 (DE1), Charming_46 (DE1), Derg_41 (DE1), Fitzgerald_44 (DE1), Flatwoods_46 (DE1), Fosterous_43 (DE1), FuegoCuervo_48 (DE1), Gaea_45 (DE1), Galadriel_45 (DE1), Geodirt_44 (DE1), Gustavo_45 (DE1), JKSyngboy_43 (DE1), Jabberwocky_44 (DE1), Kamashten_43 (DE1), Keitabear_45 (DE1), Kewpiedoll_45 (DE1), Kroos_46 (DE1), Kwobi_47 (DE1), Lennon_45 (DE1), LilHam_43 (DE1), Love_49 (DE1), McCrothy_45 (DE1), McKinley_47 (DE1), MoontowerMania_45 (DE1), Nordenberg_40 (DE1), Paries_48 (DE1), Ribeye_46 (DE1), RiverRaider_46 (DE1), Rofo_46 (DE1), Sanjuju_44 (DE1), Saronaya_45 (DE1), SchottB_44 (DE1), Sedona_45 (DE1), Shivanishola_45 (DE1), Sitar_45 (DE1), Stichling_43 (DE1), StorminNorm_45 (DE1), Stultus_44 (DE1), Tangent_46 (DE1), Tangerine_45 (DE1), Thing3_43 (DE1), Tycho_45 (DE1), Vivi2_48 (DE1), YorkOnyx_46 (DE1),

Start 160:

- Found in 6 of 647 (0.9%) of genes in pham
- Manual Annotations of this start: 2 of 534
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Sprinklemunch_29 (DW), TPA4_30 (singleton), Wocket_27 (CV), Zodiariah_29 (DW),

Start 161:

- Found in 45 of 647 (7.0%) of genes in pham
- Manual Annotations of this start: 34 of 534
- Called 80.0% of time when present
- Phage (with cluster) where this start called: Arri_47 (DC1), Bakery_49 (DC1), Barb_46 (DC1), CherryCola_46 (DC1), ClamChowder_46 (DC1), CoveyB_47 (DC1), Danyall_46 (DC1), Daredevil_123 (DL), Egi03_44 (DC1), Evamon_43 (DC1), Fireball_45 (DC1), Fugax_47 (DC1), Gezellig_43 (DC1), Halo3_44 (DC1), Jambalaya_44 (DC1), JohnPork_45 (DC), KimmyK_45 (DC1), Mutzi_43 (DC1), Nubi_44 (DC1), Phlop_43 (DC1), PinkCoffee_46 (DC1), Portcullis_45 (DC1), PullumCavea_43 (DC1), RogerDodger_47 (DC1), Salvador_43 (DC1), Savbucketdawg_44 (DC1), Sendy_45 (DC), SmokingBunny_44 (DC1), TillyBobJoe_44 (DC1), Togo_43 (DC1), Towmatter_121 (DL), Twister6_46 (DC1), Valary_46 (DC1), VanDeWege_47 (DC1), Wizard_43 (DC1), YungMoney_47 (DC1),

Start 163:

- Found in 67 of 647 (10.4%) of genes in pham
- Manual Annotations of this start: 47 of 534
- Called 88.1% of time when present
- Phage (with cluster) where this start called: APunk_47 (DE4), Abblin_46 (DE4), Alephilan_88 (DV), Ali17_42 (DE2), Alyssamiracle_87 (DV), Astralis_84 (DV), Avian_82 (DV), Belphegor_45 (DE2), BigHunkinEater_48 (DE4), BirthdayBoy_89 (DV), Charminar_85 (DV), Clown_50 (DC2), Colossa_101 (KA), DaviePasture_87 (DV), DoobyDoo_86 (DV), Erutan_86 (DV), Fulcrum_85 (DV), GOATification_85 (DV), Genamy16_87 (DV), Gibbin_88 (DV), GretelLyn_86 (DV), Hans_46 (DE2), Inspectinfecti_45 (DE2), Jalebi_86 (DV), Jamemuya19_82 (DV), Lambo_86 (DV),

LavAbarElk_86 (DV), Leonard_44 (DE2), Lila22_87 (DV), MelBins_45 (DE2), Mima20_85 (DV), MoiGyank_89 (DV), Natkenzie_46 (DE4), NorManre_91 (DV), NovaSharks_86 (DV), OtterstedtS21_87 (DV), ParvusTarda_86 (DV), Patos_91 (DV), Phauci_37 (DE2), Phinally_44 (DE2), Pumpkiney_47 (DE4), Pywacket_83 (DV), Ranch_90 (DV), RazorC_84 (DV), Riduram_85 (DV), Rota_85 (DV), Rukungu_87 (DV), Rumi_85 (DV), Sadboi_86 (DV), Sampson_46 (DE4), Sampudon_88 (DV), Scioto_47 (DE4), Tardus_47 (DE4), Tillicus_80 (DV), ViaConlectus_46 (DE4), Wojtek_79 (DV), Yikes_87 (DV), Zany_85 (DV), Zitch_49 (DE4),

Start 165:

- Found in 8 of 647 (1.2%) of genes in pham
- Manual Annotations of this start: 3 of 534
- Called 62.5% of time when present
- Phage (with cluster) where this start called: Hyzer_27 (CZ1), Lilbeanie_44 (DE5), Petra_27 (CV), Sidious_26 (CZ7), Tuti_29 (CZ4),

Start 166:

- Found in 2 of 647 (0.3%) of genes in pham
- No Manual Annotations of this start.
- Called 50.0% of time when present
- Phage (with cluster) where this start called: GMA2_76 (DS),

Start 168:

- Found in 23 of 647 (3.6%) of genes in pham
- Manual Annotations of this start: 15 of 534
- Called 69.6% of time when present
- Phage (with cluster) where this start called: Adora_25 (CZ4), Annalisa_25 (CZ4), Beenie_25 (CZ4), DobbysSock_24 (CZ4), Dolores_25 (CZ4), Hortense_25 (CZ4), Mcklovin_25 (CZ4), MichaelScott_25 (CZ4), Oregano_25 (CZ4), Rizz_28 (CZ4), Samman98_25 (CZ4), Sekhmet_25 (CZ4), Shlim410_25 (CZ4), Suerte_23 (CZ4), Thimann_25 (CZ4), Twinkle_25 (CZ4),

Start 169:

- Found in 41 of 647 (6.3%) of genes in pham
- Manual Annotations of this start: 30 of 534
- Called 85.4% of time when present
- Phage (with cluster) where this start called: Bantam_131 (DL), Bradissa_27 (CY1), Chipko_27 (DB), Coriander_27 (DB), DatBoi_128 (DL), DirtyBoi_28 (DB), Dmitri_27 (DB), Doggs_26 (DB), EMSquaredA_27 (CY1), EnalisNailo_27 (CY1), Eyre_23 (singleton), Fairfaxidum_25 (CV), Faith5x5_23 (CZ6), Floral_27 (CY1), GAL1_26 (singleton), Gudmit_24 (singleton), Gustav_37 (CD), Hedwig_28 (DB), JCole_22 (CZ2), LilJank_113 (DU2), Mahdia_35 (CD), Marteenaa_27 (CY1), Matteo_23 (CZ2), Neville_115 (DU2), PCoral7_26 (CV), Pepperoni_24 (CZ), Pollux_27 (CY1), PrincePatrick_25 (CV), Rabbitrun_118 (DU2), RayTheFireFly_27 (DB), SpeedDemon_1340 (DL), Toast_26 (CV), Trax_117 (DU2), VanLee_104 (KA), William_26 (CV),

Start 170:

- Found in 5 of 647 (0.8%) of genes in pham
- Manual Annotations of this start: 3 of 534
- Called 100.0% of time when present
- Phage (with cluster) where this start called: InLimbo_25 (DH), Kiko_27 (DB), Morkie_24 (DH), PatriciaStar_25 (DB), PhorbesPhlower_24 (DH),

Start 171:

- Found in 50 of 647 (7.7%) of genes in pham
- Manual Annotations of this start: 14 of 534
- Called 38.0% of time when present
- Phage (with cluster) where this start called: AksarBAT_43 (DR), AnClar_43 (DR), AnarQue_45 (DR), BiggityBass_42 (DR), Blackpen_45 (DR), CaiB_45 (DR), CloverMinnie_45 (DR), FelixTres_45 (DR), LittleMunchkin_44 (DR), MakoManhole_45 (DR), Mbo4_54 (singleton), MossRose_45 (DR), NHagos_43 (DR), Sisko_42 (DR), Sour_47 (DR), TraderJ_45 (DR), Wooper_45 (DR), Yago84_42 (DR), Yeshua_45 (DR),

Start 172:

- Found in 1 of 647 (0.2%) of genes in pham
- Manual Annotations of this start: 1 of 534
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Jace_72 (singleton),

Start 173:

- Found in 19 of 647 (2.9%) of genes in pham
- Manual Annotations of this start: 14 of 534
- Called 89.5% of time when present
- Phage (with cluster) where this start called: Axumite_42 (DR), BlueNGold_178 (DS), BobRoss2024_41 (DR), Boopy_181 (DS), CharlottesWeb_42 (DR), Forza_182 (DS), Fresco_42 (DR), JellyBelly_42 (DR), Kudrefre_120 (DU1), Ligma_42 (DR), Mareeliih_179 (DS), Mariokart_42 (DR), Octobien14_115 (DU1), Sephiroth_116 (DU1), Shatter_42 (DR), Sienna_96 (DG1), Syleon_121 (DU1),

Start 174:

- Found in 68 of 647 (10.5%) of genes in pham
- Manual Annotations of this start: 60 of 534
- Called 97.1% of time when present
- Phage (with cluster) where this start called: Aleemily_32 (DZ), Attis_24 (CZ2), BBQValindra_26 (DB), BackstagePass_26 (DB), Beyoncage_95 (DG1), BiteSize_95 (DG1), Bjanes7_24 (CZ2), Bowser_26 (DB), Bunker_26 (DB), Cafasso_33 (DZ), CherryTomatoes_180 (DO), Clap_24 (CZ2), Cynthia_24 (CZ2), Djokovic_95 (DG1), Ebert_24 (CZ2), EdnaMode_23 (CZ2), Evaa_42 (DR), Eyes_26 (DB), FroggyToad_24 (CZ2), GEazy_26 (DB), GemG_24 (CZ2), Gizermo_24 (CZ2), Haley23_24 (CZ2), HannahD_26 (DB), Jecs_27 (DB), Lamberg_23 (CZ2), LilyPad_89 (DG1), LittleFella_91 (DG2), LordFarquaad_24 (CZ2), Lton_23 (CZ), Lucky10_24 (DH), Madi_94 (DG1), MagicMan_26 (DB), Mocha12_24 (CZ2), ModicumRichard_33 (DZ), Moosehead_23 (CZ6), Morgana_33 (DZ), NaLuna_26 (DB), Nettuno_23 (CZ2), ObLaDi_33 (DZ), OneDirection_22 (CZ6), Opie_26 (DB), Pickett_23 (CZ2), Pupper_177 (DO), Puppies_35 (CD), RavenCo17_24 (CZ8), SCentae_176 (DO), Sahara_23 (CZ2), Savage_24 (CZ2), Schnabeltier_26 (DB), Skog_9 (DO), SoilAssassin_24 (CZ2), Sproutie_24 (CZ2), Suzy_95 (DG1), TaronosaurusRx_26 (DB), Terapin_96 (DG1), TinyDot_25 (singleton), Trine_36 (CD), TuertoX_24 (CZ2), Upyo_37 (CD), Vasanti_23 (CZ2), Whiteclaw_24 (CZ2), Widow_36 (CD), Yeet412_24 (CZ2), Yinzer_24 (CZ2), ZAYM_27 (DB),

Start 176:

- Found in 87 of 647 (13.4%) of genes in pham
- Manual Annotations of this start: 3 of 534

- Called 3.4% of time when present
- Phage (with cluster) where this start called: Easley_25 (CZ4), Ruthy_29 (DW), WinkNick_25 (CZ4),

Start 179:

- Found in 22 of 647 (3.4%) of genes in pham
- Manual Annotations of this start: 2 of 534
- Called 13.6% of time when present
- Phage (with cluster) where this start called: Apeppi_82 (DV), LuckyLeo_84 (DV), Stormer_86 (DV),

Start 190:

- Found in 3 of 647 (0.5%) of genes in pham
- Manual Annotations of this start: 2 of 534
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Marietta_19 (CR4), Pemberton_20 (CR4), WhoseManz_19 (CR4),

Start 193:

- Found in 154 of 647 (23.8%) of genes in pham
- Manual Annotations of this start: 58 of 534
- Called 51.3% of time when present
- Phage (with cluster) where this start called: Aflac_30 (DJ), AlainaMarie_30 (DJ), Aloe25_33 (DJ), Arataki_29 (DJ), ArtetaBall_31 (DJ), Artorias_27 (DJ), Avazak_27 (DJ), BetterYeti_30 (DJ), Blanky_30 (DJ), BluerMoon_30 (DJ), Bugg_28 (DJ), Burley_30 (DJ), CWormy_30 (DJ), Captrips_27 (DJ), Cappybara_27 (DJ), ChickyNuggy_28 (DJ), Chikenjars_30 (DJ), Citrus_29 (DJ), Conley_28 (DJ), Crocheter_30 (DJ), Dancer_27 (DJ), Demure_29 (DJ), Dialga_31 (DJ), Duffington_30 (DJ), Eddiemania_31 (DJ), EndAve_30 (DJ), Fazel_28 (DJ), Figliar_30 (DJ), Football_28 (DJ), FortCran_27 (DJ), Gill_27 (DJ), Glintora_30 (DJ), Gravy_27 (DJ), Gusicorn_30 (DJ), Hortihabitatio_30 (DJ), Howe_25 (CZ4), Hydrus_31 (DJ), JeanGrey_131 (singleton), Jodelie19_31 (DJ), JulesRay_27 (DJ), Kenosha_30 (DJ), Kerry_27 (DJ), Luthien_31 (DJ), Madvan_30 (DJ), Magel_27 (DJ), MajinBuu_30 (DJ), MakCheese_31 (DW), Mossy_31 (DJ), Mysticmoon_30 (DJ), Nadmeg_31 (DJ), Nithya_30 (DJ), NoPickles_27 (DJ), Odesza_27 (DJ), OhMyWard_30 (DJ), OlgasClover_30 (DJ), Pepy6_033 (CC), Perkunas_29 (DJ), PerroGrande22_37 (CC), PestoPenguin_33 (DJ), Petito_29 (DJ), Phepper_30 (DJ), Pherobrine_29 (DJ), Poco6_034 (CC), Rickmore_29 (DJ), Roney_27 (DJ), Runhaar_30 (DJ), Schwartz33_31 (DJ), Secretariat_28 (DJ), ShaggyRogers_30 (DJ), SweetCrkHerbs_29 (DJ), Tairn4Wing_29 (DJ), Talon44_28 (DJ), Tanis_27 (DJ), TenaciousP_31 (DJ), Tonaltzin_32 (DJ), Trufflozitus_30 (DJ), Untouchable_30 (DJ), Vardy_30 (DJ), Zeph_31 (DJ),

Start 194:

- Found in 16 of 647 (2.5%) of genes in pham
- No Manual Annotations of this start.
- Called 12.5% of time when present
- Phage (with cluster) where this start called: Hugley_25 (CZ1), SushiChef_27 (CZ),

Start 195:

- Found in 6 of 647 (0.9%) of genes in pham
- Manual Annotations of this start: 2 of 534
- Called 100.0% of time when present

- Phage (with cluster) where this start called: Camerico_44 (DF4), GMA3_32 (DF2), Gmala1_33 (DF1), GordDuk1_33 (DF1), GordTnk2_33 (DF1), Jumbo_41 (DF3),

Start 196:

- Found in 22 of 647 (3.4%) of genes in pham
- Manual Annotations of this start: 5 of 534
- Called 22.7% of time when present
- Phage (with cluster) where this start called: Gibbles_38 (CX), Kampe_40 (CX), Orchid_39 (CX), PatrickStar_40 (CX), RobinSparkles_42 (CX),

Start 197:

- Found in 91 of 647 (14.1%) of genes in pham
- Manual Annotations of this start: 1 of 534
- Called 2.2% of time when present
- Phage (with cluster) where this start called: Gambino_27 (CV), PhriskyACE_24 (CZ4),

Start 199:

- Found in 93 of 647 (14.4%) of genes in pham
- No Manual Annotations of this start.
- Called 1.1% of time when present
- Phage (with cluster) where this start called: Jalleen_24 (CZ2),

Start 201:

- Found in 7 of 647 (1.1%) of genes in pham
- Manual Annotations of this start: 7 of 534
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BeeGee_26 (CY5), Cashline_26 (CY6), Confidence_26 (CY1), Jablanski_28 (CY3), Posh_28 (CY4), Pytheas_28 (CY3), Wrigley_28 (CY4),

Start 206:

- Found in 17 of 647 (2.6%) of genes in pham
- Manual Annotations of this start: 12 of 534
- Called 70.6% of time when present
- Phage (with cluster) where this start called: BatStarr_25 (CZ1), Bialota_25 (CZ1), Bosnia_25 (CZ1), Eviarto_25 (CZ1), Herod_25 (CZ1), Madeline_25 (CZ1), Malibo_27 (DW), Ohgeesy_25 (CZ), ThankyouJordi_24 (CZ1), TimTam_25 (CZ1), WelcomeAyanna_24 (CZ1), Zirinka_25 (CZ1),

Start 207:

- Found in 17 of 647 (2.6%) of genes in pham
- Manual Annotations of this start: 17 of 534
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Agueybana_26 (CZ1), AlumE_26 (CZ1), Antonio_27 (CZ1), BaxterFox_25 (CZ3), BoyNamedSue_26 (CZ1), Eudoria_27 (CZ1), Kita_27 (CZ1), Malisha_30 (DN), Manasvini_27 (CZ1), Maridalia_26 (CZ1), Neobush_27 (CZ1), PantheRoc_26 (CZ3), Suscepit_27 (CZ1), Tayonia_27 (CZ1), Trumpet_27 (CZ1), Yeezy_27 (CZ3), Zameen_27 (CZ1),

Start 209:

- Found in 2 of 647 (0.3%) of genes in pham
- Manual Annotations of this start: 1 of 534

- Called 50.0% of time when present
- Phage (with cluster) where this start called: Denise_22 (CZ5),

Start 213:

- Found in 38 of 647 (5.9%) of genes in pham
- Manual Annotations of this start: 29 of 534
- Called 84.2% of time when present
- Phage (with cluster) where this start called: Angelique_28 (CY1), Apricot_27 (DN3), Asapag_28 (DN1), BENTherdunthat_28 (DN1), BearBQ_27 (DN), Birdsong_27 (DN), BotCity_28 (DN), Budski_28 (DN), CheeseTouch_28 (DN1), Crater_26 (DN3), Ecliptus_31 (DN), Frickyeh_27 (DN1), Getalong_29 (DN1), Holliday_28 (DN1), Horus_28 (DN1), Kamaru_28 (DN1), Kenna_27 (DN1), Kuwabara_27 (DN4), Leroy_28 (DN1), LitninMcQueen_27 (DN1), LonelyBoi_27 (CY7), Lutum_28 (DN1), MortyNRick_27 (DN), ODay_32 (DN), Periwinkle_30 (DN1), Phabuloso_27 (DN1), PhaoMing_23 (UNK), Phistory_29 (DN1), ShawBrad_28 (DN1), Spooky_28 (DN2), Squiddly_30 (DN2), Whitney_29 (DN1),

Start 216:

- Found in 67 of 647 (10.4%) of genes in pham
- Manual Annotations of this start: 2 of 534
- Called 3.0% of time when present
- Phage (with cluster) where this start called: Nymphadora_25 (CZ1), Polly_24 (CZ1),

Start 219:

- Found in 71 of 647 (11.0%) of genes in pham
- Manual Annotations of this start: 1 of 534
- Called 1.4% of time when present
- Phage (with cluster) where this start called: Pleakley_25 (CR5),

Start 226:

- Found in 213 of 647 (32.9%) of genes in pham
- No Manual Annotations of this start.
- Called 0.9% of time when present
- Phage (with cluster) where this start called: Moonflower_27 (DB), Shinji_44 (DC1),

Start 235:

- Found in 77 of 647 (11.9%) of genes in pham
- No Manual Annotations of this start.
- Called 1.3% of time when present
- Phage (with cluster) where this start called: Madavieve_25 (CZ1),

Start 239:

- Found in 30 of 647 (4.6%) of genes in pham
- No Manual Annotations of this start.
- Called 3.3% of time when present
- Phage (with cluster) where this start called: Sixsevenium_47 (DC),

Summary by clusters:

There are 64 clusters represented in this pham: DN, DO, DL, DJ, DH, CZ2, CZ3, CZ1, DB, singleton, CZ4, CZ5, DZ, CZ8, DY, DV, DW, DR, DS, DQ, CZ7, DF4, DF1, DF3, DF2, DN4, DN1, DN3, DN2, DU1, DU2, CT, CY3, CY2, CY1, CH, CY7, CY6, CY5, CY4, CC, CZ6, CD, DG2, CZ, CX, UNK, DC2, CV, DC1, CR2, CR3, KA, CR1, CR6,

CR7, CR4, CR5, DC, DE1, DE2, DE4, DE5, DG1,

Info for manual annotations of cluster CD:

- Start number 169 was manually annotated 2 times for cluster CD.
- Start number 174 was manually annotated 4 times for cluster CD.

Info for manual annotations of cluster CH:

- Start number 155 was manually annotated 1 time for cluster CH.

Info for manual annotations of cluster CR1:

- Start number 130 was manually annotated 3 times for cluster CR1.

Info for manual annotations of cluster CR2:

- Start number 130 was manually annotated 13 times for cluster CR2.
- Start number 135 was manually annotated 8 times for cluster CR2.

Info for manual annotations of cluster CR3:

- Start number 130 was manually annotated 6 times for cluster CR3.

Info for manual annotations of cluster CR4:

- Start number 132 was manually annotated 3 times for cluster CR4.
- Start number 134 was manually annotated 3 times for cluster CR4.
- Start number 190 was manually annotated 2 times for cluster CR4.

Info for manual annotations of cluster CR5:

- Start number 123 was manually annotated 1 time for cluster CR5.
- Start number 219 was manually annotated 1 time for cluster CR5.

Info for manual annotations of cluster CR6:

- Start number 153 was manually annotated 6 times for cluster CR6.

Info for manual annotations of cluster CR7:

- Start number 153 was manually annotated 1 time for cluster CR7.

Info for manual annotations of cluster CT:

- Start number 127 was manually annotated 1 time for cluster CT.
- Start number 130 was manually annotated 2 times for cluster CT.

Info for manual annotations of cluster CV:

- Start number 154 was manually annotated 6 times for cluster CV.
- Start number 157 was manually annotated 29 times for cluster CV.
- Start number 160 was manually annotated 1 time for cluster CV.
- Start number 165 was manually annotated 1 time for cluster CV.
- Start number 169 was manually annotated 5 times for cluster CV.
- Start number 197 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CX:

- Start number 196 was manually annotated 5 times for cluster CX.

Info for manual annotations of cluster CY1:

- Start number 144 was manually annotated 1 time for cluster CY1.
- Start number 169 was manually annotated 6 times for cluster CY1.

- Start number 201 was manually annotated 1 time for cluster CY1.
- Start number 213 was manually annotated 1 time for cluster CY1.

Info for manual annotations of cluster CY2:

- Start number 142 was manually annotated 1 time for cluster CY2.

Info for manual annotations of cluster CY3:

- Start number 201 was manually annotated 2 times for cluster CY3.

Info for manual annotations of cluster CY4:

- Start number 201 was manually annotated 2 times for cluster CY4.

Info for manual annotations of cluster CY5:

- Start number 201 was manually annotated 1 time for cluster CY5.

Info for manual annotations of cluster CY6:

- Start number 201 was manually annotated 1 time for cluster CY6.

Info for manual annotations of cluster CY7:

- Start number 213 was manually annotated 1 time for cluster CY7.

Info for manual annotations of cluster CZ:

- Start number 157 was manually annotated 1 time for cluster CZ.
- Start number 174 was manually annotated 1 time for cluster CZ.
- Start number 206 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 206 was manually annotated 10 times for cluster CZ1.
- Start number 207 was manually annotated 13 times for cluster CZ1.
- Start number 216 was manually annotated 2 times for cluster CZ1.

Info for manual annotations of cluster CZ2:

- Start number 169 was manually annotated 1 time for cluster CZ2.
- Start number 174 was manually annotated 22 times for cluster CZ2.

Info for manual annotations of cluster CZ3:

- Start number 207 was manually annotated 3 times for cluster CZ3.

Info for manual annotations of cluster CZ4:

- Start number 157 was manually annotated 3 times for cluster CZ4.
- Start number 168 was manually annotated 15 times for cluster CZ4.
- Start number 176 was manually annotated 2 times for cluster CZ4.
- Start number 193 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster CZ5:

- Start number 209 was manually annotated 1 time for cluster CZ5.

Info for manual annotations of cluster CZ6:

- Start number 169 was manually annotated 1 time for cluster CZ6.
- Start number 174 was manually annotated 2 times for cluster CZ6.

Info for manual annotations of cluster CZ7:

- Start number 165 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster CZ8:

- Start number 174 was manually annotated 1 time for cluster CZ8.

Info for manual annotations of cluster DB:

- Start number 169 was manually annotated 6 times for cluster DB.
- Start number 170 was manually annotated 1 time for cluster DB.
- Start number 174 was manually annotated 10 times for cluster DB.

Info for manual annotations of cluster DC1:

- Start number 161 was manually annotated 32 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 163 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:

- Start number 159 was manually annotated 53 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 158 was manually annotated 1 time for cluster DE2.
- Start number 163 was manually annotated 8 times for cluster DE2.

Info for manual annotations of cluster DE4:

- Start number 150 was manually annotated 4 times for cluster DE4.
- Start number 163 was manually annotated 5 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 165 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DF3:

- Start number 195 was manually annotated 1 time for cluster DF3.

Info for manual annotations of cluster DF4:

- Start number 195 was manually annotated 1 time for cluster DF4.

Info for manual annotations of cluster DG1:

- Start number 173 was manually annotated 1 time for cluster DG1.
- Start number 174 was manually annotated 7 times for cluster DG1.

Info for manual annotations of cluster DG2:

- Start number 174 was manually annotated 1 time for cluster DG2.

Info for manual annotations of cluster DH:

- Start number 170 was manually annotated 2 times for cluster DH.
- Start number 174 was manually annotated 1 time for cluster DH.

Info for manual annotations of cluster DJ:

- Start number 193 was manually annotated 56 times for cluster DJ.

Info for manual annotations of cluster DL:

- Start number 161 was manually annotated 2 times for cluster DL.
- Start number 169 was manually annotated 3 times for cluster DL.

Info for manual annotations of cluster DN:

- Start number 207 was manually annotated 1 time for cluster DN.
- Start number 213 was manually annotated 7 times for cluster DN.

Info for manual annotations of cluster DN1:

- Start number 213 was manually annotated 15 times for cluster DN1.

Info for manual annotations of cluster DN2:

- Start number 213 was manually annotated 2 times for cluster DN2.

Info for manual annotations of cluster DN3:

- Start number 213 was manually annotated 2 times for cluster DN3.

Info for manual annotations of cluster DN4:

- Start number 213 was manually annotated 1 time for cluster DN4.

Info for manual annotations of cluster DO:

- Start number 174 was manually annotated 4 times for cluster DO.

Info for manual annotations of cluster DQ:

- Start number 125 was manually annotated 1 time for cluster DQ.
- Start number 135 was manually annotated 9 times for cluster DQ.

Info for manual annotations of cluster DR:

- Start number 171 was manually annotated 14 times for cluster DR.
- Start number 173 was manually annotated 5 times for cluster DR.
- Start number 174 was manually annotated 1 time for cluster DR.

Info for manual annotations of cluster DS:

- Start number 109 was manually annotated 1 time for cluster DS.
- Start number 173 was manually annotated 4 times for cluster DS.

Info for manual annotations of cluster DU1:

- Start number 173 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 169 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster DV:

- Start number 140 was manually annotated 1 time for cluster DV.
- Start number 147 was manually annotated 1 time for cluster DV.
- Start number 163 was manually annotated 33 times for cluster DV.
- Start number 179 was manually annotated 2 times for cluster DV.

Info for manual annotations of cluster DW:

- Start number 151 was manually annotated 1 time for cluster DW.
- Start number 159 was manually annotated 1 time for cluster DW.
- Start number 160 was manually annotated 1 time for cluster DW.
- Start number 176 was manually annotated 1 time for cluster DW.
- Start number 206 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DY:

- Start number 148 was manually annotated 7 times for cluster DY.

Info for manual annotations of cluster DZ:

- Start number 174 was manually annotated 5 times for cluster DZ.

Info for manual annotations of cluster KA:

- Start number 169 was manually annotated 1 time for cluster KA.

Gene Information:

Gene: APunk_47 Start: 40146, Stop: 40871, Start Num: 163

Candidate Starts for APunk_47:

(92, 39999), (105, 40035), (Start: 163 @40146 has 47 MA's), (Start: 197 @40200 has 1 MA's), (226, 40251), (230, 40260), (268, 40311), (280, 40329), (304, 40371), (325, 40428), (334, 40452), (370, 40518), (412, 40617), (430, 40653), (448, 40680), (517, 40791), (540, 40827),

Gene: Abblin_46 Start: 40683, Stop: 41405, Start Num: 163

Candidate Starts for Abblin_46:

(67, 40467), (105, 40572), (Start: 163 @40683 has 47 MA's), (226, 40788), (230, 40797), (268, 40848), (280, 40866), (304, 40908), (329, 40974), (331, 40980), (334, 40986), (370, 41052), (412, 41151), (517, 41325), (530, 41346), (540, 41361),

Gene: Adora_25 Start: 21784, Stop: 22572, Start Num: 168

Candidate Starts for Adora_25:

(Start: 157 @21772 has 33 MA's), (Start: 168 @21784 has 15 MA's), (Start: 176 @21796 has 3 MA's), (182, 21799), (Start: 193 @21826 has 58 MA's), (Start: 197 @21838 has 1 MA's), (226, 21889), (274, 21982), (301, 22027), (303, 22030), (304, 22033), (322, 22093), (329, 22111), (334, 22123), (335, 22126), (336, 22129), (381, 22219), (412, 22306), (511, 22474), (520, 22492), (542, 22528), (552, 22552),

Gene: Affeca_43 Start: 39450, Stop: 40184, Start Num: 159

Candidate Starts for Affeca_43:

(122, 39393), (Start: 159 @39450 has 54 MA's), (Start: 176 @39468 has 3 MA's), (226, 39555), (240, 39582), (268, 39630), (280, 39648), (304, 39690), (333, 39768), (358, 39810), (374, 39843), (430, 39978), (454, 40017), (517, 40116), (536, 40143), (551, 40176),

Gene: Aflac_30 Start: 22320, Stop: 23108, Start Num: 193

Candidate Starts for Aflac_30:

(Start: 193 @22320 has 58 MA's), (214, 22365), (227, 22395), (231, 22407), (259, 22461), (317, 22608), (330, 22635), (335, 22650), (367, 22734), (408, 22839), (409, 22842), (447, 22917), (522, 23064),

Gene: Agueybana_26 Start: 22183, Stop: 22803, Start Num: 207

Candidate Starts for Agueybana_26:

(49, 21808), (99, 21979), (100, 21982), (Start: 130 @22063 has 24 MA's), (143, 22084), (Start: 207 @22183 has 17 MA's), (Start: 216 @22192 has 2 MA's), (235, 22237), (280, 22318), (303, 22372), (316, 22417), (334, 22453), (355, 22504), (372, 22552), (397, 22615), (409, 22645), (439, 22696), (507, 22774),

Gene: Ailee_42 Start: 39043, Stop: 39777, Start Num: 159

Candidate Starts for Ailee_42:

(149, 39037), (Start: 159 @39043 has 54 MA's), (Start: 176 @39061 has 3 MA's), (226, 39148), (240, 39175), (268, 39223), (280, 39241), (304, 39283), (333, 39361), (358, 39403), (374, 39436), (430, 39571), (454, 39610), (517, 39709), (536, 39736), (551, 39769),

Gene: AksarBAT_43 Start: 36158, Stop: 36880, Start Num: 171

Candidate Starts for AksarBAT_43:

(Start: 171 @36158 has 14 MA's), (208, 36227), (Start: 219 @36251 has 1 MA's), (253, 36314), (256, 36320), (334, 36467), (382, 36563), (384, 36566), (410, 36644), (422, 36674), (430, 36689),

Gene: AlainaMarie_30 Start: 22307, Stop: 23095, Start Num: 193

Candidate Starts for AlainaMarie_30:

(Start: 193 @22307 has 58 MA's), (214, 22352), (227, 22382), (231, 22394), (259, 22448), (317, 22595), (333, 22631), (335, 22637), (408, 22826), (409, 22829), (434, 22886), (447, 22904), (460, 22931), (522, 23051),

Gene: Aleemily_32 Start: 27271, Stop: 28023, Start Num: 174

Candidate Starts for Aleemily_32:

(Start: 174 @27271 has 60 MA's), (Start: 197 @27322 has 1 MA's), (304, 27499), (344, 27598), (384, 27658), (412, 27736), (448, 27799), (481, 27862), (498, 27889), (552, 27991),

Gene: Alephilan_88 Start: 59241, Stop: 60092, Start Num: 163

Candidate Starts for Alephilan_88:

(82, 59064), (93, 59091), (97, 59100), (101, 59115), (106, 59124), (Start: 144 @59217 has 1 MA's), (146, 59220), (Start: 163 @59241 has 47 MA's), (Start: 171 @59250 has 14 MA's), (184, 59271), (199, 59313), (202, 59319), (224, 59364), (280, 59469), (301, 59505), (306, 59517), (316, 59556), (390, 59736), (417, 59811), (434, 59841), (462, 59889), (463, 59892), (489, 59946), (515, 59991), (553, 60069),

Gene: Ali17_42 Start: 38338, Stop: 39057, Start Num: 163

Candidate Starts for Ali17_42:

(Start: 163 @38338 has 47 MA's), (182, 38353), (Start: 197 @38392 has 1 MA's), (226, 38443), (268, 38503), (379, 38722), (384, 38731), (390, 38749), (412, 38809), (454, 38884), (517, 38983), (541, 39022), (549, 39043),

Gene: Aloe25_33 Start: 22097, Stop: 22885, Start Num: 193

Candidate Starts for Aloe25_33:

(Start: 193 @22097 has 58 MA's), (214, 22142), (231, 22184), (259, 22238), (335, 22427), (408, 22616), (409, 22619), (447, 22694), (522, 22841),

Gene: Alok_i_30 Start: 21568, Stop: 22266, Start Num: 135

Candidate Starts for Alok_i_30:

(Start: 125 @21550 has 1 MA's), (Start: 135 @21568 has 17 MA's), (Start: 219 @21631 has 1 MA's), (233, 21667), (271, 21727), (280, 21739), (290, 21760), (303, 21793), (310, 21823), (311, 21826), (324, 21847), (326, 21853), (328, 21859), (336, 21880), (381, 21985), (384, 21994), (406, 22063), (409, 22069), (426, 22105), (433, 22117), (475, 22156), (485, 22177), (524, 22246), (533, 22258), (535, 22261),

Gene: AlumE_26 Start: 22182, Stop: 22802, Start Num: 207

Candidate Starts for AlumE_26:

(49, 21807), (99, 21978), (100, 21981), (Start: 130 @22062 has 24 MA's), (143, 22083), (Start: 207 @22182 has 17 MA's), (Start: 216 @22191 has 2 MA's), (235, 22236), (280, 22317), (303, 22371), (316, 22416), (334, 22452), (355, 22503), (372, 22551), (397, 22614), (409, 22644), (439, 22695), (507, 22773),

Gene: Alyssamiracle_87 Start: 57197, Stop: 58048, Start Num: 163

Candidate Starts for Alyssamiracle_87:

(Start: 144 @57173 has 1 MA's), (146, 57176), (Start: 163 @57197 has 47 MA's), (Start: 179 @57218 has 2 MA's), (184, 57227), (199, 57269), (202, 57275), (224, 57320), (277, 57422), (280, 57425), (301, 57461), (306, 57473), (316, 57512), (329, 57542), (330, 57545), (334, 57557), (335, 57560), (390, 57692), (414, 57758), (417, 57767), (434, 57797), (451, 57824), (462, 57845), (489, 57902), (515, 57947), (553, 58025),

Gene: Amoonguss_30 Start: 21571, Stop: 22269, Start Num: 135

Candidate Starts for Amoonguss_30:

(Start: 125 @21553 has 1 MA's), (Start: 135 @21571 has 17 MA's), (Start: 219 @21634 has 1 MA's), (233, 21670), (271, 21730), (280, 21742), (290, 21763), (303, 21796), (310, 21826), (311, 21829), (324, 21850), (326, 21856), (328, 21862), (336, 21883), (381, 21988), (384, 21997), (406, 22066), (409, 22072), (426, 22108), (433, 22120), (475, 22159), (485, 22180), (524, 22249), (533, 22261), (535, 22264),

Gene: AnClar_43 Start: 38069, Stop: 38794, Start Num: 171

Candidate Starts for AnClar_43:

(75, 37871), (102, 37943), (Start: 171 @38069 has 14 MA's), (Start: 179 @38078 has 2 MA's), (253, 38228), (256, 38234), (278, 38258), (284, 38267), (293, 38279), (298, 38294), (310, 38336), (320, 38360), (335, 38390), (376, 38474), (397, 38537), (407, 38561), (410, 38567), (513, 38750), (516, 38759),

Gene: AnarQue_45 Start: 37567, Stop: 38289, Start Num: 171

Candidate Starts for AnarQue_45:

(78, 37381), (Start: 171 @37567 has 14 MA's), (Start: 219 @37660 has 1 MA's), (256, 37729), (282, 37756), (285, 37762), (334, 37876), (376, 37960), (410, 38053), (422, 38083),

Gene: Angelicage_43 Start: 39868, Stop: 40602, Start Num: 159

Candidate Starts for Angelicage_43:

(122, 39811), (Start: 159 @39868 has 54 MA's), (Start: 176 @39886 has 3 MA's), (226, 39973), (240, 40000), (268, 40048), (280, 40066), (304, 40108), (333, 40186), (358, 40228), (374, 40261), (430, 40396), (454, 40435), (517, 40534), (536, 40561), (551, 40594),

Gene: Angelique_28 Start: 22797, Stop: 23417, Start Num: 213

Candidate Starts for Angelique_28:

(181, 22740), (Start: 213 @22797 has 29 MA's), (235, 22848), (280, 22929), (290, 22950), (316, 23028), (334, 23064), (346, 23100), (355, 23115), (372, 23163), (397, 23226), (439, 23307), (507, 23385), (511, 23394), (513, 23397),

Gene: Annalisa_25 Start: 21246, Stop: 22034, Start Num: 168

Candidate Starts for Annalisa_25:

(Start: 157 @21234 has 33 MA's), (Start: 168 @21246 has 15 MA's), (Start: 176 @21258 has 3 MA's), (182, 21261), (Start: 197 @21300 has 1 MA's), (199, 21303), (226, 21351), (274, 21444), (301, 21489), (303, 21492), (304, 21495), (322, 21555), (329, 21573), (334, 21585), (335, 21588), (336, 21591), (381, 21681), (412, 21768), (511, 21936), (520, 21954), (542, 21990), (552, 22014),

Gene: Antonio_27 Start: 22303, Stop: 22923, Start Num: 207

Candidate Starts for Antonio_27:

(49, 21928), (99, 22099), (100, 22102), (Start: 130 @22183 has 24 MA's), (143, 22204), (Start: 207 @22303 has 17 MA's), (Start: 216 @22312 has 2 MA's), (235, 22357), (280, 22438), (316, 22537), (334, 22573), (355, 22624), (372, 22672), (397, 22735), (409, 22765), (439, 22816), (485, 22867), (507, 22894),

Gene: Apeppi_82 Start: 58457, Stop: 59287, Start Num: 179

Candidate Starts for Apeppi_82:

(Start: 144 @58415 has 1 MA's), (146, 58418), (152, 58427), (Start: 163 @58439 has 47 MA's), (Start: 179 @58457 has 2 MA's), (184, 58466), (Start: 193 @58490 has 58 MA's), (199, 58508), (226, 58565), (301, 58700), (311, 58739), (316, 58751), (330, 58784), (334, 58796), (341, 58817), (381, 58904), (390, 58931), (419, 59009), (434, 59036), (438, 59042), (449, 59057), (451, 59063), (489, 59141), (510, 59177), (555, 59267),

Gene: Apiary_20 Start: 9988, Stop: 10884, Start Num: 153

Candidate Starts for Apiary_20:

(58, 9751), (Start: 153 @9988 has 7 MA's), (Start: 196 @10066 has 5 MA's), (241, 10153), (263, 10201), (273, 10216), (307, 10294), (322, 10339), (379, 10471), (412, 10564), (418, 10579), (477, 10678), (514, 10759), (542, 10807), (560, 10852),

Gene: Apricot_27 Start: 21059, Stop: 21682, Start Num: 213

Candidate Starts for Apricot_27:

(51, 20684), (66, 20741), (76, 20786), (99, 20840), (100, 20843), (117, 20879), (Start: 130 @20924 has 24 MA's), (133, 20927), (Start: 213 @21059 has 29 MA's), (Start: 216 @21065 has 2 MA's), (229, 21095), (235, 21110), (266, 21170), (306, 21251), (316, 21290), (346, 21362), (372, 21425), (393, 21470), (397, 21488), (406, 21509), (409, 21518), (507, 21650), (511, 21659), (516, 21671),

Gene: Arataki_29 Start: 21413, Stop: 22201, Start Num: 193

Candidate Starts for Arataki_29:

(Start: 193 @21413 has 58 MA's), (227, 21488), (231, 21500), (259, 21554), (261, 21560), (287, 21605), (317, 21701), (326, 21719), (330, 21728), (333, 21737), (335, 21743), (408, 21932), (409, 21935), (414, 21950), (460, 22037), (522, 22157),

Gene: ArchiDore_29 Start: 24523, Stop: 25320, Start Num: 159

Candidate Starts for ArchiDore_29:

(56, 24259), (63, 24286), (68, 24316), (80, 24361), (86, 24373), (131, 24484), (Start: 151 @24514 has 1 MA's), (Start: 159 @24523 has 54 MA's), (Start: 176 @24538 has 3 MA's), (182, 24541), (Start: 193 @24568 has 58 MA's), (Start: 197 @24580 has 1 MA's), (205, 24595), (226, 24631), (274, 24724), (317, 24823), (322, 24835), (329, 24853), (334, 24865), (335, 24868), (336, 24871), (353, 24904), (412, 25048), (422, 25069), (511, 25216), (542, 25267), (552, 25291),

Gene: Archis_26 Start: 21363, Stop: 22166, Start Num: 157

Candidate Starts for Archis_26:

(Start: 157 @21363 has 33 MA's), (Start: 193 @21411 has 58 MA's), (Start: 197 @21423 has 1 MA's), (205, 21438), (226, 21474), (274, 21567), (304, 21618), (317, 21666), (322, 21678), (329, 21696), (334, 21708), (335, 21711), (336, 21714), (388, 21822), (412, 21891), (422, 21912), (425, 21918), (519, 22074), (542, 22110), (552, 22134), (561, 22155),

Gene: Argena_30 Start: 21568, Stop: 22266, Start Num: 135

Candidate Starts for Argena_30:

(Start: 125 @21550 has 1 MA's), (Start: 135 @21568 has 17 MA's), (Start: 219 @21631 has 1 MA's), (233, 21667), (271, 21727), (280, 21739), (290, 21760), (303, 21793), (310, 21823), (311, 21826), (324, 21847), (326, 21853), (328, 21859), (336, 21880), (381, 21985), (384, 21994), (406, 22063),

(409, 22069), (426, 22105), (433, 22117), (475, 22156), (485, 22177), (524, 22246), (533, 22258), (535, 22261),

Gene: Arri_47 Start: 36352, Stop: 37107, Start Num: 161

Candidate Starts for Arri_47:

(119, 36274), (Start: 161 @36352 has 34 MA's), (203, 36424), (270, 36532), (301, 36577), (373, 36727), (379, 36733), (390, 36760), (405, 36808), (461, 36910), (511, 36994), (549, 37066),

Gene: ArtetaBall_31 Start: 22450, Stop: 23238, Start Num: 193

Candidate Starts for ArtetaBall_31:

(Start: 193 @22450 has 58 MA's), (227, 22525), (231, 22537), (259, 22591), (261, 22597), (287, 22642), (294, 22672), (317, 22738), (326, 22756), (331, 22768), (333, 22774), (335, 22780), (408, 22969), (409, 22972), (414, 22987), (447, 23047), (522, 23194),

Gene: Arti_19 Start: 9412, Stop: 10137, Start Num: 130

Candidate Starts for Arti_19:

(Start: 130 @9412 has 24 MA's), (Start: 157 @9436 has 33 MA's), (187, 9469), (220, 9472), (239, 9508), (248, 9523), (269, 9565), (333, 9712), (405, 9904), (457, 10006), (475, 10036), (485, 10057), (497, 10072), (529, 10132),

Gene: Artorias_27 Start: 19318, Stop: 20103, Start Num: 193

Candidate Starts for Artorias_27:

(Start: 193 @19318 has 58 MA's), (199, 19333), (214, 19363), (259, 19459), (261, 19465), (316, 19603), (331, 19636), (335, 19648), (408, 19837), (409, 19840), (447, 19915), (522, 20062),

Gene: Asapag_28 Start: 21501, Stop: 22124, Start Num: 213

Candidate Starts for Asapag_28:

(51, 21126), (66, 21183), (76, 21228), (99, 21282), (100, 21285), (117, 21321), (Start: 130 @21366 has 24 MA's), (133, 21369), (Start: 213 @21501 has 29 MA's), (Start: 216 @21507 has 2 MA's), (229, 21537), (235, 21552), (266, 21612), (303, 21687), (316, 21732), (334, 21768), (346, 21804), (372, 21867), (393, 21912), (397, 21930), (406, 21951), (413, 21972), (507, 22092), (511, 22101), (516, 22113),

Gene: Ashertheman_46 Start: 39868, Stop: 40611, Start Num: 159

Candidate Starts for Ashertheman_46:

(Start: 159 @39868 has 54 MA's), (Start: 176 @39886 has 3 MA's), (198, 39931), (226, 39976), (260, 40039), (268, 40051), (280, 40069), (304, 40111), (309, 40138), (358, 40231), (362, 40243), (414, 40363), (430, 40399), (437, 40411), (454, 40438), (474, 40471), (495, 40504), (517, 40537), (536, 40564),

Gene: Astralis_84 Start: 56776, Stop: 57627, Start Num: 163

Candidate Starts for Astralis_84:

(Start: 144 @56752 has 1 MA's), (146, 56755), (Start: 163 @56776 has 47 MA's), (Start: 179 @56797 has 2 MA's), (184, 56806), (199, 56848), (202, 56854), (224, 56899), (277, 57001), (280, 57004), (301, 57040), (306, 57052), (316, 57091), (329, 57121), (330, 57124), (334, 57136), (335, 57139), (390, 57271), (414, 57337), (417, 57346), (434, 57376), (451, 57403), (462, 57424), (489, 57481), (515, 57526), (553, 57604),

Gene: Attis_24 Start: 19791, Stop: 20498, Start Num: 174

Candidate Starts for Attis_24:

(99, 19647), (Start: 174 @19791 has 60 MA's), (199, 19848), (220, 19887), (253, 19947), (270, 19965), (272, 19968), (284, 19986), (304, 20022), (305, 20025), (313, 20058), (320, 20076), (334, 20103), (369, 20181), (397, 20250), (410, 20280), (413, 20286), (528, 20490),

Gene: Avazak_27 Start: 19325, Stop: 20110, Start Num: 193

Candidate Starts for Avazak_27:

(Start: 193 @19325 has 58 MA's), (199, 19340), (214, 19370), (259, 19466), (261, 19472), (316, 19610), (331, 19643), (335, 19655), (408, 19844), (409, 19847), (447, 19922), (522, 20069),

Gene: Avian_82 Start: 56928, Stop: 57779, Start Num: 163

Candidate Starts for Avian_82:

(93, 56778), (97, 56787), (101, 56802), (106, 56811), (Start: 144 @56904 has 1 MA's), (146, 56907), (Start: 163 @56928 has 47 MA's), (Start: 179 @56949 has 2 MA's), (184, 56958), (199, 57000), (202, 57006), (224, 57051), (277, 57153), (280, 57156), (301, 57192), (306, 57204), (316, 57243), (329, 57273), (330, 57276), (334, 57288), (335, 57291), (390, 57423), (414, 57489), (417, 57498), (434, 57528), (451, 57555), (462, 57576), (489, 57633), (515, 57678), (553, 57756),

Gene: Axumite_42 Start: 35273, Stop: 35995, Start Num: 173

Candidate Starts for Axumite_42:

(32, 34883), (66, 35060), (102, 35168), (Start: 173 @35273 has 14 MA's), (256, 35435), (293, 35480), (313, 35543), (320, 35561), (334, 35588), (369, 35666), (371, 35669), (397, 35738), (410, 35768), (413, 35774), (518, 35963),

Gene: Azula_27 Start: 21464, Stop: 22264, Start Num: 157

Candidate Starts for Azula_27:

(83, 21314), (Start: 157 @21464 has 33 MA's), (Start: 193 @21512 has 58 MA's), (Start: 197 @21524 has 1 MA's), (226, 21575), (274, 21668), (304, 21719), (321, 21776), (322, 21779), (329, 21797), (334, 21809), (335, 21812), (336, 21815), (412, 21992), (422, 22013), (425, 22019), (448, 22055), (511, 22160), (519, 22175), (520, 22178), (542, 22211), (552, 22235),

Gene: BBQValindra_26 Start: 21429, Stop: 22148, Start Num: 174

Candidate Starts for BBQValindra_26:

(Start: 132 @21372 has 3 MA's), (Start: 174 @21429 has 60 MA's), (220, 21522), (226, 21537), (253, 21582), (293, 21633), (305, 21660), (309, 21684), (334, 21738), (337, 21747), (338, 21756), (410, 21918), (413, 21924),

Gene: BENtherdunthat_28 Start: 21498, Stop: 22121, Start Num: 213

Candidate Starts for BENtherdunthat_28:

(51, 21123), (66, 21180), (76, 21225), (99, 21279), (100, 21282), (117, 21318), (Start: 130 @21363 has 24 MA's), (133, 21366), (Start: 213 @21498 has 29 MA's), (Start: 216 @21504 has 2 MA's), (229, 21534), (235, 21549), (237, 21552), (280, 21630), (306, 21690), (316, 21729), (334, 21765), (346, 21801), (372, 21864), (397, 21927), (406, 21948), (409, 21957), (413, 21969), (433, 22002), (507, 22089), (511, 22098),

Gene: BackstagePass_26 Start: 21561, Stop: 22274, Start Num: 174

Candidate Starts for BackstagePass_26:

(Start: 132 @21504 has 3 MA's), (Start: 174 @21561 has 60 MA's), (220, 21654), (226, 21669), (253, 21714), (304, 21789), (305, 21792), (309, 21816), (337, 21879), (338, 21888), (379, 21963), (405, 22038), (410, 22050), (413, 22056),

Gene: Baddon_45 Start: 40406, Stop: 41149, Start Num: 159

Candidate Starts for Baddon_45:

(Start: 159 @40406 has 54 MA's), (Start: 176 @40424 has 3 MA's), (198, 40469), (226, 40514), (260, 40577), (268, 40589), (280, 40607), (304, 40649), (309, 40676), (358, 40769), (362, 40781), (414, 40901), (430, 40937), (437, 40949), (454, 40976), (474, 41009), (495, 41042), (517, 41075), (536, 41102),

Gene: Bakery_49 Start: 37499, Stop: 38254, Start Num: 161

Candidate Starts for Bakery_49:

(64, 37256), (106, 37388), (141, 37472), (Start: 148 @37484 has 7 MA's), (Start: 161 @37499 has 34 MA's), (177, 37517), (203, 37571), (225, 37604), (226, 37607), (239, 37634), (270, 37679), (373, 37874), (379, 37880), (390, 37907), (405, 37955), (461, 38057), (511, 38141), (549, 38213), (556, 38225),

Gene: Bantam_131 Start: 78134, Stop: 78856, Start Num: 169

Candidate Starts for Bantam_131:

(84, 77963), (128, 78083), (Start: 142 @78107 has 1 MA's), (Start: 169 @78134 has 30 MA's), (198, 78191), (249, 78287),

Gene: Barb_46 Start: 36471, Stop: 37226, Start Num: 161

Candidate Starts for Barb_46:

(Start: 148 @36456 has 7 MA's), (Start: 161 @36471 has 34 MA's), (203, 36543), (226, 36579), (270, 36651), (373, 36846), (379, 36852), (390, 36879), (405, 36927), (461, 37029), (511, 37113), (549, 37185),

Gene: Barco_25 Start: 21152, Stop: 21955, Start Num: 157

Candidate Starts for Barco_25:

(Start: 157 @21152 has 33 MA's), (Start: 193 @21200 has 58 MA's), (Start: 197 @21212 has 1 MA's), (205, 21227), (226, 21263), (274, 21356), (304, 21407), (321, 21464), (322, 21467), (329, 21485), (334, 21497), (335, 21500), (336, 21503), (412, 21680), (422, 21701), (425, 21707), (519, 21863), (542, 21899), (552, 21923), (561, 21944),

Gene: Barsten_46 Start: 40023, Stop: 40757, Start Num: 159

Candidate Starts for Barsten_46:

(89, 39876), (122, 39966), (Start: 159 @40023 has 54 MA's), (Start: 176 @40041 has 3 MA's), (226, 40128), (240, 40155), (268, 40203), (280, 40221), (304, 40263), (333, 40341), (358, 40383), (374, 40416), (430, 40551), (454, 40590), (517, 40689), (536, 40716), (551, 40749),

Gene: BatStarr_25 Start: 22309, Stop: 22926, Start Num: 206

Candidate Starts for BatStarr_25:

(143, 22210), (178, 22249), (194, 22282), (Start: 206 @22309 has 12 MA's), (Start: 216 @22318 has 2 MA's), (235, 22360), (243, 22372), (266, 22420), (280, 22441), (290, 22462), (303, 22495), (305, 22498), (316, 22540), (334, 22576), (355, 22627), (372, 22675), (397, 22738), (409, 22768), (439, 22819), (507, 22897),

Gene: Baumdotcom_44 Start: 39257, Stop: 40000, Start Num: 159

Candidate Starts for Baumdotcom_44:

(Start: 159 @39257 has 54 MA's), (Start: 176 @39275 has 3 MA's), (198, 39320), (226, 39365), (268, 39440), (280, 39458), (304, 39500), (358, 39620), (362, 39632), (414, 39752), (430, 39788), (437, 39800), (454, 39827), (474, 39860), (495, 39893), (517, 39926), (536, 39953),

Gene: BaxterFox_25 Start: 21503, Stop: 22126, Start Num: 207

Candidate Starts for BaxterFox_25:

(99, 21299), (100, 21302), (Start: 130 @21383 has 24 MA's), (143, 21404), (Start: 207 @21503 has 17 MA's), (Start: 216 @21512 has 2 MA's), (235, 21557), (243, 21569), (266, 21617), (280, 21638), (303, 21692), (316, 21737), (334, 21773), (335, 21776), (355, 21824), (372, 21872), (397, 21935), (409, 21965), (439, 22019), (507, 22097),

Gene: BearBQ_27 Start: 22338, Stop: 22961, Start Num: 213

Candidate Starts for BearBQ_27:

(51, 21963), (66, 22020), (76, 22065), (99, 22119), (100, 22122), (117, 22158), (Start: 130 @22203 has 24 MA's), (133, 22206), (Start: 213 @22338 has 29 MA's), (Start: 216 @22344 has 2 MA's), (229, 22374), (235, 22389), (266, 22449), (303, 22524), (316, 22569), (334, 22605), (346, 22641), (372, 22704), (397, 22767), (406, 22788), (409, 22797), (445, 22854), (507, 22929), (511, 22938),

Gene: BeeGee_26 Start: 21791, Stop: 22411, Start Num: 201

Candidate Starts for BeeGee_26:

(Start: 201 @21791 has 7 MA's), (Start: 216 @21797 has 2 MA's), (235, 21842), (254, 21878), (280, 21923), (303, 21977), (316, 22022), (346, 22094), (372, 22157), (397, 22220), (439, 22301), (507, 22379), (511, 22388), (513, 22391),

Gene: Beenie_25 Start: 21603, Stop: 22391, Start Num: 168

Candidate Starts for Beenie_25:

(Start: 157 @21591 has 33 MA's), (Start: 168 @21603 has 15 MA's), (Start: 176 @21615 has 3 MA's), (182, 21618), (Start: 193 @21645 has 58 MA's), (Start: 197 @21657 has 1 MA's), (226, 21708), (274, 21801), (301, 21846), (303, 21849), (304, 21852), (322, 21912), (329, 21930), (334, 21942), (335, 21945), (336, 21948), (381, 22038), (412, 22125), (430, 22161), (520, 22311), (542, 22347), (552, 22371),

Gene: Begonia_26 Start: 21633, Stop: 22436, Start Num: 157

Candidate Starts for Begonia_26:

(Start: 157 @21633 has 33 MA's), (Start: 193 @21681 has 58 MA's), (Start: 197 @21693 has 1 MA's), (205, 21708), (226, 21744), (274, 21837), (304, 21888), (321, 21945), (322, 21948), (329, 21966), (334, 21978), (335, 21981), (336, 21984), (412, 22161), (422, 22182), (425, 22188), (519, 22344), (542, 22380), (552, 22404), (561, 22425),

Gene: Belphegor_45 Start: 40390, Stop: 41112, Start Num: 163

Candidate Starts for Belphegor_45:

(118, 40306), (Start: 163 @40390 has 47 MA's), (182, 40405), (Start: 197 @40444 has 1 MA's), (226, 40495), (268, 40558), (379, 40777), (408, 40861), (412, 40864), (454, 40939), (541, 41077), (549, 41098),

Gene: Beted_31 Start: 23245, Stop: 23943, Start Num: 135

Candidate Starts for Beted_31:

(Start: 125 @23227 has 1 MA's), (Start: 135 @23245 has 17 MA's), (Start: 219 @23308 has 1 MA's), (233, 23344), (280, 23416), (290, 23437), (303, 23470), (310, 23500), (311, 23503), (324, 23524), (326, 23530), (328, 23536), (336, 23557), (381, 23662), (384, 23671), (406, 23740), (409, 23746), (426, 23782), (433, 23794), (475, 23833), (524, 23923), (533, 23935), (535, 23938),

Gene: BetterYeti_30 Start: 22097, Stop: 22885, Start Num: 193

Candidate Starts for BetterYeti_30:

(Start: 193 @22097 has 58 MA's), (214, 22142), (231, 22184), (259, 22238), (335, 22427), (408, 22616), (409, 22619), (447, 22694), (522, 22841),

Gene: Beyoncage_95 Start: 65472, Stop: 66188, Start Num: 174

Candidate Starts for Beyoncage_95:

(Start: 174 @65472 has 60 MA's), (311, 65754), (329, 65799), (383, 65910), (428, 66027), (431, 66033), (452, 66066), (463, 66075), (476, 66096), (485, 66114), (511, 66153), (513, 66156), (523, 66177),

Gene: BiPauneto_20 Start: 7795, Stop: 8589, Start Num: 132

Candidate Starts for BiPauneto_20:

(Start: 132 @7795 has 3 MA's), (Start: 219 @7909 has 1 MA's), (220, 7912), (225, 7924), (269, 8005), (333, 8155), (340, 8179), (355, 8212), (405, 8344), (468, 8470), (485, 8506), (517, 8560),

Gene: Bialota_25 Start: 22321, Stop: 22938, Start Num: 206

Candidate Starts for Bialota_25:

(143, 22222), (178, 22261), (194, 22294), (Start: 206 @22321 has 12 MA's), (Start: 216 @22330 has 2 MA's), (235, 22372), (243, 22384), (266, 22432), (280, 22453), (290, 22474), (303, 22507), (316, 22552), (334, 22588), (355, 22639), (397, 22750), (409, 22780), (439, 22831), (507, 22909),

Gene: Bibwit_44 Start: 38980, Stop: 39714, Start Num: 159

Candidate Starts for Bibwit_44:

(149, 38971), (Start: 155 @38977 has 1 MA's), (Start: 159 @38980 has 54 MA's), (Start: 176 @38998 has 3 MA's), (226, 39085), (240, 39112), (268, 39160), (280, 39178), (304, 39220), (333, 39298), (358, 39340), (374, 39373), (430, 39508), (454, 39547), (517, 39646), (536, 39673), (551, 39706),

Gene: BigHunkinEater_48 Start: 39924, Stop: 40649, Start Num: 163

Candidate Starts for BigHunkinEater_48:

(105, 39813), (Start: 163 @39924 has 47 MA's), (226, 40029), (268, 40089), (280, 40107), (304, 40149), (325, 40206), (334, 40230), (370, 40296), (412, 40395), (430, 40431), (448, 40458), (517, 40569), (540, 40605),

Gene: BiggityBass_42 Start: 37537, Stop: 38262, Start Num: 171

Candidate Starts for BiggityBass_42:

(Start: 171 @37537 has 14 MA's), (253, 37696), (256, 37702), (278, 37726), (293, 37747), (298, 37762), (310, 37804), (320, 37828), (335, 37858), (376, 37942), (397, 38005), (410, 38035), (516, 38227),

Gene: Birdsong_27 Start: 21231, Stop: 21854, Start Num: 213

Candidate Starts for Birdsong_27:

(51, 20856), (66, 20913), (76, 20958), (99, 21012), (100, 21015), (117, 21051), (Start: 130 @21096 has 24 MA's), (133, 21099), (Start: 213 @21231 has 29 MA's), (Start: 216 @21237 has 2 MA's), (229, 21267), (235, 21282), (266, 21342), (303, 21417), (316, 21462), (334, 21498), (346, 21534), (372, 21597), (397, 21660), (406, 21681), (409, 21690), (445, 21747), (507, 21822), (511, 21831),

Gene: BirthdayBoy_89 Start: 59230, Stop: 60081, Start Num: 163

Candidate Starts for BirthdayBoy_89:

(Start: 144 @59206 has 1 MA's), (146, 59209), (152, 59218), (Start: 163 @59230 has 47 MA's), (Start: 171 @59239 has 14 MA's), (184, 59260), (199, 59302), (202, 59308), (224, 59353), (280, 59458), (287, 59467), (301, 59494), (306, 59506), (316, 59545), (390, 59725), (417, 59800), (434, 59830), (462, 59878), (463, 59881), (489, 59935), (515, 59980), (553, 60058),

Gene: BiteSize_95 Start: 65558, Stop: 66274, Start Num: 174

Candidate Starts for BiteSize_95:

(Start: 174 @65558 has 60 MA's), (311, 65840), (329, 65885), (383, 65996), (428, 66113), (431, 66119), (452, 66152), (463, 66161), (476, 66182), (485, 66200), (511, 66239), (513, 66242), (523, 66263),

Gene: Bizzy_46 Start: 39563, Stop: 40306, Start Num: 159

Candidate Starts for Bizzy_46:

(Start: 159 @39563 has 54 MA's), (Start: 176 @39581 has 3 MA's), (198, 39626), (226, 39671), (268, 39746), (280, 39764), (304, 39806), (358, 39926), (362, 39938), (414, 40058), (430, 40094), (437, 40106), (454, 40133), (474, 40166), (495, 40199), (517, 40232), (536, 40259),

Gene: Bjanese7_24 Start: 19791, Stop: 20498, Start Num: 174

Candidate Starts for Bjanese7_24:

(99, 19647), (Start: 174 @19791 has 60 MA's), (199, 19848), (220, 19887), (253, 19947), (270, 19965), (272, 19968), (284, 19986), (304, 20022), (305, 20025), (313, 20058), (320, 20076), (334, 20103), (369, 20181), (397, 20250), (410, 20280), (413, 20286), (528, 20490),

Gene: Blackpen_45 Start: 36985, Stop: 37707, Start Num: 171

Candidate Starts for Blackpen_45:

(78, 36799), (Start: 171 @36985 has 14 MA's), (Start: 219 @37078 has 1 MA's), (256, 37147), (282, 37174), (285, 37180), (321, 37270), (376, 37378), (382, 37390), (397, 37441), (410, 37471), (422, 37501), (430, 37516),

Gene: Blanky_30 Start: 23303, Stop: 24088, Start Num: 193

Candidate Starts for Blanky_30:

(Start: 193 @23303 has 58 MA's), (259, 23444), (262, 23453), (317, 23591), (326, 23609), (330, 23618), (333, 23627), (335, 23633), (367, 23717), (390, 23765), (408, 23822), (409, 23825), (414, 23840), (447, 23900), (462, 23930),

Gene: BlingBling_25 Start: 21152, Stop: 21955, Start Num: 157

Candidate Starts for BlingBling_25:

(Start: 157 @21152 has 33 MA's), (Start: 193 @21200 has 58 MA's), (Start: 197 @21212 has 1 MA's), (205, 21227), (226, 21263), (274, 21356), (304, 21407), (321, 21464), (322, 21467), (329, 21485), (334, 21497), (335, 21500), (336, 21503), (412, 21680), (422, 21701), (425, 21707), (519, 21863), (542, 21899), (552, 21923), (561, 21944),

Gene: Blino_26 Start: 21252, Stop: 22046, Start Num: 154

Candidate Starts for Blino_26:

(29, 20859), (50, 20988), (76, 21099), (90, 21126), (103, 21162), (Start: 154 @21252 has 6 MA's), (Start: 193 @21294 has 58 MA's), (Start: 197 @21306 has 1 MA's), (226, 21357), (274, 21450), (284, 21462), (303, 21498), (304, 21501), (317, 21549), (321, 21558), (322, 21561), (329, 21579), (334, 21591), (335, 21594), (336, 21597), (412, 21774), (422, 21795), (425, 21801), (448, 21837), (542, 21993), (552, 22017), (561, 22035),

Gene: BlueNGold_178 Start: 105490, Stop: 104774, Start Num: 173

Candidate Starts for BlueNGold_178:

(Start: 173 @105490 has 14 MA's), (200, 105433), (300, 105250), (320, 105190), (350, 105121), (357, 105103), (390, 105028), (393, 105016), (396, 105001), (397, 104998), (406, 104977), (408, 104971), (416, 104956), (476, 104869), (485, 104851), (498, 104833), (511, 104809), (523, 104785),

Gene: Blueberry_27 Start: 21464, Stop: 22264, Start Num: 157

Candidate Starts for Blueberry_27:

(83, 21314), (Start: 157 @21464 has 33 MA's), (Start: 193 @21512 has 58 MA's), (Start: 197 @21524 has 1 MA's), (226, 21575), (274, 21668), (304, 21719), (321, 21776), (322, 21779), (329, 21797), (334, 21809), (335, 21812), (336, 21815), (412, 21992), (422, 22013), (425, 22019), (448, 22055), (511, 22160), (519, 22175), (520, 22178), (542, 22211), (552, 22235),

Gene: BluerMoon_30 Start: 22314, Stop: 23105, Start Num: 193

Candidate Starts for BluerMoon_30:

(Start: 193 @22314 has 58 MA's), (214, 22359), (227, 22389), (231, 22401), (259, 22455), (335, 22644), (408, 22833), (409, 22836), (447, 22911),

Gene: BobBob_43 Start: 39142, Stop: 39876, Start Num: 159

Candidate Starts for BobBob_43:

(89, 38995), (122, 39085), (Start: 159 @39142 has 54 MA's), (Start: 176 @39160 has 3 MA's), (226, 39247), (240, 39274), (268, 39322), (280, 39340), (304, 39382), (333, 39460), (358, 39502), (374, 39535), (430, 39670), (454, 39709), (517, 39808), (536, 39835), (551, 39868),

Gene: BobRoss2024_41 Start: 35281, Stop: 36009, Start Num: 173

Candidate Starts for BobRoss2024_41:

(8, 34177), (10, 34186), (23, 34699), (27, 34804), (107, 35155), (Start: 173 @35281 has 14 MA's), (272, 35455), (320, 35560), (410, 35779), (413, 35785), (430, 35824), (537, 36004),

Gene: Bonum_21 Start: 9448, Stop: 10239, Start Num: 135

Candidate Starts for Bonum_21:

(Start: 135 @9448 has 17 MA's), (180, 9493), (211, 9556), (Start: 216 @9568 has 2 MA's), (Start: 219 @9574 has 1 MA's), (225, 9589), (239, 9613), (245, 9622), (269, 9670), (290, 9706), (333, 9817), (338, 9838), (347, 9859), (475, 10144), (485, 10165), (491, 10174), (497, 10180), (515, 10213),

Gene: Boopy_181 Start: 105501, Stop: 104785, Start Num: 173

Candidate Starts for Boopy_181:

(Start: 173 @105501 has 14 MA's), (200, 105444), (300, 105261), (320, 105201), (350, 105132), (357, 105114), (390, 105039), (393, 105027), (396, 105012), (397, 105009), (406, 104988), (408, 104982), (416, 104967), (476, 104880), (485, 104862), (498, 104844), (511, 104820), (523, 104796),

Gene: Bosnia_25 Start: 22309, Stop: 22926, Start Num: 206

Candidate Starts for Bosnia_25:

(143, 22210), (178, 22249), (194, 22282), (Start: 206 @22309 has 12 MA's), (Start: 216 @22318 has 2 MA's), (235, 22360), (243, 22372), (266, 22420), (280, 22441), (290, 22462), (303, 22495), (305, 22498), (316, 22540), (334, 22576), (355, 22627), (372, 22675), (397, 22738), (409, 22768), (439, 22819), (507, 22897),

Gene: BotCity_28 Start: 21499, Stop: 22122, Start Num: 213

Candidate Starts for BotCity_28:

(51, 21124), (66, 21181), (76, 21226), (99, 21280), (100, 21283), (117, 21319), (Start: 130 @21364 has 24 MA's), (133, 21367), (Start: 213 @21499 has 29 MA's), (Start: 216 @21505 has 2 MA's), (229, 21535), (235, 21550), (237, 21553), (280, 21631), (306, 21691), (316, 21730), (334, 21766), (346, 21802), (372, 21865), (397, 21928), (406, 21949), (409, 21958), (413, 21970), (433, 22003), (507, 22090), (511, 22099),

Gene: Bowser_26 Start: 21340, Stop: 22053, Start Num: 174

Candidate Starts for Bowser_26:

(Start: 132 @21283 has 3 MA's), (Start: 174 @21340 has 60 MA's), (208, 21406), (220, 21433), (226, 21448), (249, 21484), (253, 21493), (293, 21544), (305, 21571), (309, 21595), (337, 21658), (338, 21667), (367, 21724), (379, 21742), (405, 21817), (410, 21829), (413, 21835), (485, 21970),

Gene: BoyNamedSue_26 Start: 22182, Stop: 22802, Start Num: 207

Candidate Starts for BoyNamedSue_26:

(49, 21807), (99, 21978), (100, 21981), (Start: 130 @22062 has 24 MA's), (143, 22083), (Start: 207 @22182 has 17 MA's), (Start: 216 @22191 has 2 MA's), (235, 22236), (280, 22317), (303, 22371), (316, 22416), (334, 22452), (355, 22503), (372, 22551), (397, 22614), (409, 22644), (439, 22695), (507, 22773),

Gene: Bradissa_27 Start: 22057, Stop: 22773, Start Num: 169

Candidate Starts for Bradissa_27:

(Start: 142 @22030 has 1 MA's), (Start: 144 @22033 has 1 MA's), (Start: 169 @22057 has 30 MA's), (184, 22075), (208, 22129), (253, 22213), (284, 22252), (304, 22288), (309, 22315), (334, 22369),

(338, 22387), (384, 22480), (410, 22558), (413, 22564), (516, 22741), (527, 22759),

Gene: Brandonk123_47 Start: 40277, Stop: 41011, Start Num: 159

Candidate Starts for Brandonk123_47:

(89, 40130), (122, 40220), (Start: 159 @40277 has 54 MA's), (Start: 176 @40295 has 3 MA's), (226, 40382), (240, 40409), (268, 40457), (280, 40475), (304, 40517), (333, 40595), (358, 40637), (430, 40805), (454, 40844), (517, 40943), (536, 40970), (551, 41003),

Gene: Brawn1_42 Start: 39350, Stop: 40084, Start Num: 159

Candidate Starts for Brawn1_42:

(122, 39293), (Start: 159 @39350 has 54 MA's), (Start: 176 @39368 has 3 MA's), (226, 39455), (240, 39482), (268, 39530), (280, 39548), (304, 39590), (333, 39668), (358, 39710), (374, 39743), (430, 39878), (454, 39917), (517, 40016), (536, 40043), (551, 40076),

Gene: Braxoaddie_20 Start: 9976, Stop: 10872, Start Num: 153

Candidate Starts for Braxoaddie_20:

(58, 9739), (Start: 153 @9976 has 7 MA's), (Start: 196 @10054 has 5 MA's), (241, 10141), (263, 10189), (273, 10204), (307, 10282), (322, 10327), (379, 10459), (412, 10552), (418, 10567), (477, 10666), (514, 10747), (542, 10795), (560, 10840),

Gene: BritBrat_27 Start: 21883, Stop: 22626, Start Num: 142

Candidate Starts for BritBrat_27:

(Start: 142 @21883 has 1 MA's), (Start: 144 @21886 has 1 MA's), (Start: 169 @21910 has 30 MA's), (184, 21928), (208, 21982), (253, 22066), (284, 22105), (304, 22141), (309, 22168), (334, 22222), (338, 22240), (384, 22333), (410, 22411), (413, 22417), (516, 22594), (527, 22612),

Gene: Budski_28 Start: 21606, Stop: 22229, Start Num: 213

Candidate Starts for Budski_28:

(51, 21231), (66, 21288), (76, 21333), (99, 21387), (100, 21390), (117, 21426), (Start: 130 @21471 has 24 MA's), (133, 21474), (Start: 213 @21606 has 29 MA's), (Start: 216 @21612 has 2 MA's), (229, 21642), (235, 21657), (266, 21717), (306, 21798), (316, 21837), (346, 21909), (372, 21972), (393, 22017), (397, 22035), (406, 22056), (409, 22065), (507, 22197), (511, 22206), (516, 22218),

Gene: Bugg_28 Start: 19361, Stop: 20146, Start Num: 193

Candidate Starts for Bugg_28:

(Start: 193 @19361 has 58 MA's), (214, 19406), (259, 19502), (261, 19508), (316, 19646), (331, 19679), (335, 19691), (408, 19880), (409, 19883), (447, 19958), (522, 20105),

Gene: Buggaboo_20 Start: 8964, Stop: 9755, Start Num: 135

Candidate Starts for Buggaboo_20:

(Start: 135 @8964 has 17 MA's), (138, 8973), (180, 9009), (211, 9072), (Start: 219 @9090 has 1 MA's), (225, 9105), (239, 9129), (245, 9138), (269, 9186), (290, 9222), (333, 9333), (347, 9375), (475, 9660), (485, 9681), (491, 9690), (497, 9696), (515, 9729),

Gene: Bunker_26 Start: 21542, Stop: 22261, Start Num: 174

Candidate Starts for Bunker_26:

(73, 21332), (85, 21362), (Start: 132 @21485 has 3 MA's), (Start: 174 @21542 has 60 MA's), (220, 21635), (226, 21650), (253, 21695), (293, 21746), (305, 21773), (309, 21797), (337, 21860), (338, 21869), (410, 22031), (413, 22037),

Gene: Bunnybear_24 Start: 22229, Stop: 23020, Start Num: 157

Candidate Starts for Bunnybear_24:

(Start: 157 @22229 has 33 MA's), (Start: 193 @22277 has 58 MA's), (Start: 197 @22289 has 1 MA's), (226, 22340), (274, 22433), (304, 22484), (316, 22529), (317, 22532), (322, 22544), (336, 22580), (412, 22757), (422, 22778), (448, 22820), (542, 22976),

Gene: Burley_30 Start: 22058, Stop: 22846, Start Num: 193

Candidate Starts for Burley_30:

(Start: 193 @22058 has 58 MA's), (214, 22103), (227, 22133), (231, 22145), (259, 22199), (287, 22250), (317, 22346), (326, 22364), (331, 22376), (333, 22382), (335, 22388), (408, 22577), (409, 22580), (447, 22655), (522, 22802),

Gene: CWormy_30 Start: 21758, Stop: 22546, Start Num: 193

Candidate Starts for CWormy_30:

(Start: 193 @21758 has 58 MA's), (214, 21803), (227, 21833), (231, 21845), (259, 21899), (261, 21905), (287, 21950), (317, 22046), (326, 22064), (330, 22073), (335, 22088), (408, 22277), (409, 22280), (447, 22355), (522, 22502),

Gene: Cafasso_33 Start: 27845, Stop: 28597, Start Num: 174

Candidate Starts for Cafasso_33:

(Start: 174 @27845 has 60 MA's), (Start: 197 @27896 has 1 MA's), (304, 28073), (344, 28172), (384, 28232), (412, 28310), (448, 28373), (481, 28436), (498, 28463), (552, 28565),

Gene: CaiB_45 Start: 37553, Stop: 38275, Start Num: 171

Candidate Starts for CaiB_45:

(78, 37367), (Start: 171 @37553 has 14 MA's), (Start: 219 @37646 has 1 MA's), (256, 37715), (282, 37742), (285, 37748), (334, 37862), (376, 37946), (410, 38039), (422, 38069),

Gene: Camerico_44 Start: 44895, Stop: 45653, Start Num: 195

Candidate Starts for Camerico_44:

(Start: 193 @44889 has 58 MA's), (Start: 195 @44895 has 2 MA's), (222, 44952), (289, 45090), (295, 45111), (301, 45126), (304, 45132), (306, 45138), (338, 45228), (404, 45387), (429, 45450), (432, 45456), (468, 45513), (487, 45555), (512, 45603),

Gene: CaptainKirk2_25 Start: 21173, Stop: 21976, Start Num: 157

Candidate Starts for CaptainKirk2_25:

(Start: 157 @21173 has 33 MA's), (Start: 193 @21221 has 58 MA's), (Start: 197 @21233 has 1 MA's), (205, 21248), (226, 21284), (274, 21377), (304, 21428), (321, 21485), (322, 21488), (329, 21506), (334, 21518), (335, 21521), (336, 21524), (412, 21701), (422, 21722), (425, 21728), (519, 21884), (542, 21920), (552, 21944), (561, 21965),

Gene: Captrips_27 Start: 19354, Stop: 20139, Start Num: 193

Candidate Starts for Captrips_27:

(Start: 193 @19354 has 58 MA's), (214, 19399), (259, 19495), (261, 19501), (316, 19639), (331, 19672), (335, 19684), (408, 19873), (409, 19876), (447, 19951), (522, 20098),

Gene: Capybara_27 Start: 19428, Stop: 20213, Start Num: 193

Candidate Starts for Capybara_27:

(Start: 193 @19428 has 58 MA's), (199, 19443), (222, 19491), (236, 19524), (259, 19569), (261, 19575), (316, 19713), (331, 19746), (335, 19758), (408, 19947), (409, 19950), (447, 20025), (460, 20052), (522, 20172),

Gene: CarolAnn_26 Start: 21251, Stop: 22045, Start Num: 154

Candidate Starts for CarolAnn_26:

(29, 20858), (50, 20987), (76, 21098), (90, 21125), (103, 21161), (Start: 154 @21251 has 6 MA's), (Start: 193 @21293 has 58 MA's), (Start: 197 @21305 has 1 MA's), (226, 21356), (274, 21449), (284, 21461), (303, 21497), (304, 21500), (317, 21548), (321, 21557), (322, 21560), (329, 21578), (334, 21590), (335, 21593), (336, 21596), (412, 21773), (422, 21794), (425, 21800), (448, 21836), (542, 21992), (552, 22016), (561, 22034),

Gene: Cashline_26 Start: 21658, Stop: 22278, Start Num: 201

Candidate Starts for Cashline_26:

(Start: 201 @21658 has 7 MA's), (Start: 216 @21664 has 2 MA's), (229, 21694), (235, 21709), (254, 21745), (280, 21790), (303, 21844), (316, 21889), (346, 21961), (355, 21976), (372, 22024), (387, 22045), (397, 22087), (439, 22168), (507, 22246), (511, 22255), (513, 22258),

Gene: ChadMasterC_46 Start: 41422, Stop: 42156, Start Num: 159

Candidate Starts for ChadMasterC_46:

(89, 41275), (122, 41365), (Start: 159 @41422 has 54 MA's), (Start: 176 @41440 has 3 MA's), (226, 41527), (240, 41554), (268, 41602), (280, 41620), (304, 41662), (333, 41740), (358, 41782), (374, 41815), (430, 41950), (454, 41989), (517, 42088), (536, 42115), (551, 42148),

Gene: CharlottesWeb_42 Start: 35092, Stop: 35814, Start Num: 173

Candidate Starts for CharlottesWeb_42:

(23, 34510), (Start: 173 @35092 has 14 MA's), (253, 35248), (256, 35254), (293, 35299), (313, 35362), (316, 35371), (320, 35380), (334, 35407), (335, 35410), (397, 35557), (410, 35587), (413, 35593), (475, 35704), (488, 35728), (516, 35779), (524, 35794),

Gene: Charminar_85 Start: 56436, Stop: 57287, Start Num: 163

Candidate Starts for Charminar_85:

(82, 56259), (93, 56286), (97, 56295), (101, 56310), (106, 56319), (Start: 144 @56412 has 1 MA's), (146, 56415), (152, 56424), (Start: 163 @56436 has 47 MA's), (Start: 171 @56445 has 14 MA's), (Start: 179 @56457 has 2 MA's), (184, 56466), (199, 56508), (202, 56514), (224, 56559), (277, 56661), (280, 56664), (301, 56700), (306, 56712), (316, 56751), (329, 56781), (330, 56784), (334, 56796), (335, 56799), (390, 56931), (414, 56997), (417, 57006), (434, 57036), (451, 57063), (462, 57084), (489, 57141), (515, 57186), (553, 57264),

Gene: Charming_46 Start: 39778, Stop: 40512, Start Num: 159

Candidate Starts for Charming_46:

(89, 39631), (122, 39721), (Start: 159 @39778 has 54 MA's), (Start: 176 @39796 has 3 MA's), (226, 39883), (240, 39910), (268, 39958), (280, 39976), (304, 40018), (333, 40096), (358, 40138), (374, 40171), (430, 40306), (454, 40345), (517, 40444), (536, 40471), (551, 40504),

Gene: CheeseSpider_29 Start: 21718, Stop: 22512, Start Num: 157

Candidate Starts for CheeseSpider_29:

(Start: 157 @21718 has 33 MA's), (Start: 193 @21766 has 58 MA's), (Start: 197 @21778 has 1 MA's), (226, 21829), (274, 21922), (304, 21973), (321, 22030), (322, 22033), (329, 22051), (334, 22063), (335, 22066), (336, 22069), (412, 22246), (422, 22267), (542, 22465), (552, 22489),

Gene: CheeseTouch_28 Start: 21492, Stop: 22115, Start Num: 213

Candidate Starts for CheeseTouch_28:

(51, 21117), (66, 21174), (76, 21219), (99, 21273), (100, 21276), (117, 21312), (Start: 130 @21357 has 24 MA's), (133, 21360), (Start: 213 @21492 has 29 MA's), (Start: 216 @21498 has 2 MA's), (229, 21528), (235, 21543), (266, 21603), (306, 21684), (316, 21723), (346, 21795), (372, 21858), (393, 21903), (397, 21921), (406, 21942), (409, 21951), (507, 22083), (511, 22092), (516, 22104),

Gene: CherryCola_46 Start: 37125, Stop: 37880, Start Num: 161

Candidate Starts for CherryCola_46:

(119, 37047), (Start: 161 @37125 has 34 MA's), (203, 37197), (270, 37305), (301, 37350), (373, 37500), (379, 37506), (390, 37533), (405, 37581), (461, 37683), (511, 37767), (549, 37839),

Gene: CherryTomatoes_180 Start: 130016, Stop: 130726, Start Num: 174

Candidate Starts for CherryTomatoes_180:

(Start: 174 @130016 has 60 MA's), (182, 130028), (199, 130067), (224, 130118), (270, 130202), (293, 130235), (300, 130253), (340, 130358), (343, 130361), (383, 130451), (390, 130475), (408, 130532), (439, 130580), (468, 130619), (511, 130691),

Gene: CherryonLim_48 Start: 36692, Stop: 35889, Start Num: 127

Candidate Starts for CherryonLim_48:

(106, 36752), (Start: 127 @36692 has 1 MA's), (186, 36614), (255, 36485), (286, 36431), (302, 36392), (308, 36371), (366, 36227), (385, 36194), (420, 36089), (464, 36011), (501, 35942), (506, 35933), (520, 35903), (526, 35894),

Gene: ChickyNuggy_28 Start: 19066, Stop: 19851, Start Num: 193

Candidate Starts for ChickyNuggy_28:

(Start: 193 @19066 has 58 MA's), (214, 19111), (259, 19207), (261, 19213), (316, 19351), (331, 19384), (335, 19396), (408, 19585), (409, 19588), (447, 19663), (522, 19810),

Gene: Chidiebere_31 Start: 21568, Stop: 22266, Start Num: 135

Candidate Starts for Chidiebere_31:

(Start: 125 @21550 has 1 MA's), (Start: 135 @21568 has 17 MA's), (Start: 219 @21631 has 1 MA's), (233, 21667), (271, 21727), (280, 21739), (290, 21760), (303, 21793), (310, 21823), (311, 21826), (324, 21847), (326, 21853), (328, 21859), (336, 21880), (381, 21985), (384, 21994), (406, 22063), (409, 22069), (426, 22105), (433, 22117), (475, 22156), (485, 22177), (524, 22246), (533, 22258), (535, 22261),

Gene: Chikenjars_30 Start: 22310, Stop: 23098, Start Num: 193

Candidate Starts for Chikenjars_30:

(Start: 193 @22310 has 58 MA's), (214, 22355), (227, 22385), (231, 22397), (259, 22451), (317, 22598), (333, 22634), (335, 22640), (408, 22829), (409, 22832), (434, 22889), (447, 22907), (460, 22934), (522, 23054),

Gene: Chipko_27 Start: 22550, Stop: 23251, Start Num: 169

Candidate Starts for Chipko_27:

(30, 22118), (31, 22121), (37, 22157), (41, 22178), (44, 22205), (46, 22217), (53, 22259), (81, 22367), (Start: 169 @22550 has 30 MA's), (185, 22568), (220, 22643), (226, 22658), (278, 22733), (293, 22754), (303, 22775), (309, 22805), (320, 22832), (334, 22859), (337, 22868), (338, 22877), (384, 22958), (410, 23036), (413, 23042), (521, 23228),

Gene: ChisanaKitsune_27 Start: 20220, Stop: 20918, Start Num: 135

Candidate Starts for ChisanaKitsune_27:

(79, 20082), (82, 20088), (91, 20109), (96, 20121), (108, 20154), (115, 20166), (Start: 135 @20220 has 17 MA's), (Start: 219 @20283 has 1 MA's), (280, 20391), (290, 20412), (303, 20445), (310, 20475), (311, 20478), (324, 20499), (326, 20505), (328, 20511), (336, 20532), (381, 20637), (384, 20646), (406, 20715), (409, 20721), (426, 20757), (433, 20769), (475, 20808), (524, 20898), (533, 20910), (535, 20913),

Gene: Citrus_29 Start: 22314, Stop: 23102, Start Num: 193

Candidate Starts for Citrus_29:

(Start: 193 @22314 has 58 MA's), (214, 22359), (227, 22389), (259, 22455), (317, 22602), (333, 22638), (335, 22644), (408, 22833), (409, 22836), (434, 22893), (447, 22911), (460, 22938), (522, 23058),

Gene: ClamChowder_46 Start: 36471, Stop: 37226, Start Num: 161

Candidate Starts for ClamChowder_46:

(Start: 148 @36456 has 7 MA's), (Start: 161 @36471 has 34 MA's), (203, 36543), (226, 36579), (270, 36651), (373, 36846), (379, 36852), (390, 36879), (405, 36927), (461, 37029), (511, 37113), (549, 37185),

Gene: Clap_24 Start: 19798, Stop: 20505, Start Num: 174

Candidate Starts for Clap_24:

(99, 19654), (Start: 174 @19798 has 60 MA's), (199, 19855), (220, 19894), (249, 19945), (253, 19954), (270, 19972), (272, 19975), (304, 20029), (305, 20032), (313, 20065), (320, 20083), (334, 20110), (369, 20188), (397, 20257), (401, 20263), (410, 20287), (413, 20293), (528, 20497),

Gene: Clark_25 Start: 21234, Stop: 22034, Start Num: 157

Candidate Starts for Clark_25:

(Start: 157 @21234 has 33 MA's), (Start: 168 @21246 has 15 MA's), (Start: 176 @21258 has 3 MA's), (182, 21261), (Start: 193 @21288 has 58 MA's), (Start: 197 @21300 has 1 MA's), (226, 21351), (274, 21444), (301, 21489), (303, 21492), (304, 21495), (322, 21555), (329, 21573), (334, 21585), (335, 21588), (336, 21591), (381, 21681), (412, 21768), (542, 21990), (552, 22014),

Gene: CloverMinnie_45 Start: 37493, Stop: 38215, Start Num: 171

Candidate Starts for CloverMinnie_45:

(78, 37307), (Start: 171 @37493 has 14 MA's), (Start: 219 @37586 has 1 MA's), (256, 37655), (282, 37682), (285, 37688), (321, 37778), (376, 37886), (382, 37898), (397, 37949), (410, 37979), (422, 38009), (430, 38024),

Gene: Clown_50 Start: 38569, Stop: 39336, Start Num: 163

Candidate Starts for Clown_50:

(Start: 163 @38569 has 47 MA's), (177, 38584), (185, 38593), (Start: 196 @38626 has 5 MA's), (203, 38638), (Start: 209 @38647 has 1 MA's), (224, 38668), (239, 38701), (263, 38737), (270, 38746), (286, 38767), (304, 38800), (335, 38881), (336, 38884), (364, 38932), (373, 38941), (390, 38974), (397, 39004), (405, 39022), (422, 39055), (431, 39073), (437, 39082), (471, 39139), (494, 39187), (499, 39193), (547, 39289),

Gene: CoffeeBean_20 Start: 9913, Stop: 10809, Start Num: 153

Candidate Starts for CoffeeBean_20:

(Start: 153 @9913 has 7 MA's), (Start: 196 @9991 has 5 MA's), (241, 10078), (263, 10126), (273, 10141), (307, 10219), (322, 10264), (379, 10396), (412, 10489), (418, 10504), (477, 10603), (514, 10684), (542, 10732), (560, 10777),

Gene: Colossa_101 Start: 54396, Stop: 55136, Start Num: 163

Candidate Starts for Colossa_101:

(Start: 134 @54351 has 3 MA's), (Start: 163 @54396 has 47 MA's), (Start: 196 @54453 has 5 MA's), (202, 54465), (208, 54474), (210, 54477), (226, 54501), (239, 54528), (284, 54582), (305, 54618), (334, 54693), (353, 54735), (360, 54744), (379, 54774), (385, 54786), (504, 55020), (526, 55050),

Gene: Commandaria_20 Start: 9068, Stop: 9796, Start Num: 130

Candidate Starts for Commandaria_20:

(Start: 130 @9068 has 24 MA's), (187, 9125), (232, 9158), (248, 9179), (269, 9221), (387, 9497), (401, 9545), (406, 9560), (485, 9707), (510, 9749),

Gene: Confidence_26 Start: 21821, Stop: 22441, Start Num: 201

Candidate Starts for Confidence_26:

(Start: 201 @21821 has 7 MA's), (Start: 216 @21827 has 2 MA's), (235, 21872), (254, 21908), (280, 21953), (303, 22007), (316, 22052), (346, 22124), (372, 22187), (397, 22250), (439, 22331), (507, 22409), (511, 22418), (513, 22421),

Gene: Conley_28 Start: 20413, Stop: 21198, Start Num: 193

Candidate Starts for Conley_28:

(Start: 193 @20413 has 58 MA's), (231, 20500), (236, 20509), (251, 20536), (259, 20554), (261, 20560), (262, 20563), (316, 20698), (331, 20731), (335, 20743), (408, 20932), (409, 20935), (447, 21010), (457, 21028), (522, 21157),

Gene: Coriander_27 Start: 22534, Stop: 23235, Start Num: 169

Candidate Starts for Coriander_27:

(Start: 169 @22534 has 30 MA's), (220, 22627), (226, 22642), (253, 22687), (278, 22717), (304, 22762), (309, 22789), (310, 22792), (334, 22843), (338, 22861), (384, 22942), (410, 23020), (413, 23026), (431, 23068), (437, 23077), (485, 23149), (521, 23212),

Gene: CoveyB_47 Start: 36170, Stop: 36925, Start Num: 161

Candidate Starts for CoveyB_47:

(119, 36092), (Start: 161 @36170 has 34 MA's), (203, 36242), (270, 36350), (301, 36395), (373, 36545), (379, 36551), (390, 36578), (405, 36626), (461, 36728), (511, 36812), (549, 36884),

Gene: Crater_26 Start: 21059, Stop: 21682, Start Num: 213

Candidate Starts for Crater_26:

(51, 20684), (66, 20741), (76, 20786), (99, 20840), (100, 20843), (117, 20879), (Start: 130 @20924 has 24 MA's), (133, 20927), (Start: 213 @21059 has 29 MA's), (Start: 216 @21065 has 2 MA's), (229, 21095), (235, 21110), (266, 21170), (306, 21251), (316, 21290), (346, 21362), (372, 21425), (393, 21470), (397, 21488), (406, 21509), (409, 21518), (507, 21650), (511, 21659), (516, 21671),

Gene: Crocheter_30 Start: 22450, Stop: 23238, Start Num: 193

Candidate Starts for Crocheter_30:

(Start: 193 @22450 has 58 MA's), (214, 22495), (227, 22525), (231, 22537), (259, 22591), (261, 22597), (287, 22642), (317, 22738), (326, 22756), (330, 22765), (335, 22780), (408, 22969), (409, 22972), (414, 22987), (447, 23047), (460, 23074), (522, 23194),

Gene: Cynthia_24 Start: 19798, Stop: 20505, Start Num: 174

Candidate Starts for Cynthia_24:

(99, 19654), (Start: 174 @19798 has 60 MA's), (199, 19855), (220, 19894), (249, 19945), (253, 19954), (270, 19972), (272, 19975), (304, 20029), (305, 20032), (313, 20065), (320, 20083), (334, 20110), (369, 20188), (397, 20257), (401, 20263), (410, 20287), (413, 20293), (528, 20497),

Gene: DalanDe_26 Start: 21686, Stop: 22381, Start Num: 135

Candidate Starts for DalanDe_26:

(Start: 135 @21686 has 17 MA's), (Start: 219 @21746 has 1 MA's), (244, 21791), (280, 21854), (290, 21875), (303, 21908), (311, 21941), (356, 22040), (368, 22076), (381, 22100), (384, 22109), (397, 22157), (403, 22169), (406, 22178), (426, 22220), (475, 22271), (522, 22358),

Gene: Dalilpop_23 Start: 10164, Stop: 10931, Start Num: 130

Candidate Starts for Dalilpop_23:

(Start: 130 @10164 has 24 MA's), (139, 10179), (191, 10233), (Start: 219 @10269 has 1 MA's), (220, 10272), (248, 10323), (269, 10365), (362, 10593), (383, 10629), (415, 10731), (482, 10842), (485,

10848), (515, 10896), (517, 10902),

Gene: Dancer_27 Start: 19054, Stop: 19839, Start Num: 193

Candidate Starts for Dancer_27:

(Start: 193 @19054 has 58 MA's), (214, 19099), (259, 19195), (261, 19201), (316, 19339), (331, 19372), (335, 19384), (408, 19573), (409, 19576), (447, 19651), (522, 19798),

Gene: Danyall_46 Start: 36172, Stop: 36927, Start Num: 161

Candidate Starts for Danyall_46:

(111, 36076), (Start: 161 @36172 has 34 MA's), (203, 36244), (226, 36280), (270, 36352), (281, 36367), (373, 36547), (379, 36553), (390, 36580), (461, 36730), (511, 36814), (549, 36886),

Gene: Daredevil_123 Start: 74384, Stop: 75109, Start Num: 161

Candidate Starts for Daredevil_123:

(Start: 161 @74384 has 34 MA's), (315, 74663), (342, 74720), (414, 74885), (444, 74936), (450, 74948), (478, 74984), (521, 75047),

Gene: DatBoi_128 Start: 77112, Stop: 77834, Start Num: 169

Candidate Starts for DatBoi_128:

(88, 76950), (95, 76968), (110, 77007), (128, 77061), (Start: 169 @77112 has 30 MA's), (198, 77169), (249, 77268), (304, 77346),

Gene: DaviePasture_87 Start: 58761, Stop: 59612, Start Num: 163

Candidate Starts for DaviePasture_87:

(Start: 144 @58737 has 1 MA's), (146, 58740), (Start: 163 @58761 has 47 MA's), (Start: 171 @58770 has 14 MA's), (184, 58791), (199, 58833), (202, 58839), (280, 58989), (287, 58998), (301, 59025), (306, 59037), (316, 59076), (390, 59256), (414, 59322), (417, 59331), (434, 59361), (451, 59388), (463, 59412), (489, 59466), (515, 59511), (520, 59523), (553, 59589),

Gene: DearBasketball_53 Start: 33868, Stop: 34722, Start Num: 148

Candidate Starts for DearBasketball_53:

(Start: 148 @33868 has 7 MA's), (247, 34051), (336, 34249), (347, 34282), (384, 34375), (412, 34453), (469, 34564), (470, 34567), (474, 34573), (492, 34609), (508, 34636), (546, 34711),

Gene: Delian_25 Start: 21173, Stop: 21976, Start Num: 157

Candidate Starts for Delian_25:

(Start: 157 @21173 has 33 MA's), (Start: 193 @21221 has 58 MA's), (Start: 197 @21233 has 1 MA's), (205, 21248), (226, 21284), (274, 21377), (304, 21428), (321, 21485), (322, 21488), (329, 21506), (334, 21518), (335, 21521), (336, 21524), (412, 21701), (422, 21722), (425, 21728), (519, 21884), (542, 21920), (552, 21944), (561, 21965),

Gene: Delrey21_46 Start: 41437, Stop: 42174, Start Num: 150

Candidate Starts for Delrey21_46:

(18, 40798), (26, 40969), (28, 41011), (48, 41152), (145, 41428), (Start: 150 @41437 has 4 MA's), (Start: 155 @41443 has 1 MA's), (Start: 163 @41452 has 47 MA's), (218, 41536), (226, 41557), (230, 41566), (260, 41605), (268, 41617), (280, 41635), (304, 41677), (331, 41749), (334, 41755), (395, 41881), (412, 41920), (422, 41941), (430, 41956), (448, 41983), (540, 42130),

Gene: Demure_29 Start: 21413, Stop: 22201, Start Num: 193

Candidate Starts for Demure_29:

(Start: 193 @21413 has 58 MA's), (227, 21488), (231, 21500), (259, 21554), (261, 21560), (287, 21605), (317, 21701), (326, 21719), (330, 21728), (333, 21737), (335, 21743), (408, 21932), (409, 21935), (414, 21950), (460, 22037), (522, 22157),

Gene: Denise_22 Start: 18886, Stop: 19509, Start Num: 209

Candidate Starts for Denise_22:

(Start: 209 @18886 has 1 MA's), (Start: 216 @18892 has 2 MA's), (229, 18922), (235, 18937), (266, 18997), (280, 19018), (290, 19039), (346, 19189), (372, 19252), (397, 19315), (406, 19336), (409, 19345), (507, 19477), (510, 19483), (516, 19498), (518, 19501),

Gene: Derg_41 Start: 39155, Stop: 39898, Start Num: 159

Candidate Starts for Derg_41:

(Start: 159 @39155 has 54 MA's), (Start: 176 @39173 has 3 MA's), (198, 39218), (226, 39263), (268, 39338), (280, 39356), (304, 39398), (358, 39518), (362, 39530), (414, 39650), (430, 39686), (437, 39698), (454, 39725), (474, 39758), (495, 39791), (517, 39824), (536, 39851),

Gene: Dialga_31 Start: 22472, Stop: 23260, Start Num: 193

Candidate Starts for Dialga_31:

(Start: 193 @22472 has 58 MA's), (214, 22517), (227, 22547), (231, 22559), (259, 22613), (261, 22619), (287, 22664), (317, 22760), (326, 22778), (330, 22787), (335, 22802), (408, 22991), (409, 22994), (414, 23009), (447, 23069), (460, 23096), (522, 23216),

Gene: DinoNuggs_51 Start: 33537, Stop: 34391, Start Num: 148

Candidate Starts for DinoNuggs_51:

(Start: 148 @33537 has 7 MA's), (247, 33720), (336, 33918), (347, 33951), (384, 34044), (412, 34122), (469, 34233), (470, 34236), (474, 34242), (492, 34278), (508, 34305), (546, 34380),

Gene: DirtyBoi_28 Start: 22441, Stop: 23142, Start Num: 169

Candidate Starts for DirtyBoi_28:

(Start: 169 @22441 has 30 MA's), (185, 22459), (220, 22534), (226, 22549), (278, 22624), (309, 22696), (320, 22723), (334, 22750), (337, 22759), (338, 22768), (380, 22843), (384, 22849), (410, 22927), (413, 22933), (485, 23056), (521, 23119),

Gene: Djokovic_95 Start: 65471, Stop: 66187, Start Num: 174

Candidate Starts for Djokovic_95:

(Start: 174 @65471 has 60 MA's), (311, 65753), (329, 65798), (383, 65909), (428, 66026), (431, 66032), (452, 66065), (463, 66074), (476, 66095), (485, 66113), (511, 66152), (513, 66155), (523, 66176),

Gene: Dmitri_27 Start: 22590, Stop: 23291, Start Num: 169

Candidate Starts for Dmitri_27:

(30, 22158), (31, 22161), (37, 22197), (41, 22218), (44, 22245), (46, 22257), (53, 22299), (81, 22407), (Start: 169 @22590 has 30 MA's), (185, 22608), (220, 22683), (226, 22698), (278, 22773), (293, 22794), (303, 22815), (309, 22845), (320, 22872), (334, 22899), (337, 22908), (338, 22917), (384, 22998), (397, 23046), (410, 23076), (413, 23082), (521, 23268),

Gene: DobbysSock_24 Start: 20720, Stop: 21508, Start Num: 168

Candidate Starts for DobbysSock_24:

(Start: 157 @20708 has 33 MA's), (Start: 168 @20720 has 15 MA's), (Start: 176 @20732 has 3 MA's), (182, 20735), (Start: 193 @20762 has 58 MA's), (Start: 197 @20774 has 1 MA's), (226, 20825), (274, 20918), (301, 20963), (303, 20966), (304, 20969), (322, 21029), (329, 21047), (334, 21059), (335, 21062), (336, 21065), (381, 21155), (412, 21242), (511, 21410), (520, 21428), (542, 21464), (552, 21488),

Gene: DoctorFroggo_46 Start: 41437, Stop: 42174, Start Num: 150

Candidate Starts for DoctorFroggo_46:

(18, 40798), (26, 40969), (28, 41011), (48, 41152), (145, 41428), (Start: 150 @41437 has 4 MA's), (Start: 155 @41443 has 1 MA's), (Start: 163 @41452 has 47 MA's), (218, 41536), (226, 41557), (230, 41566), (260, 41605), (268, 41617), (280, 41635), (304, 41677), (331, 41749), (334, 41755), (395, 41881), (412, 41920), (422, 41941), (430, 41956), (448, 41983), (540, 42130),

Gene: Doggs_26 Start: 22233, Stop: 22934, Start Num: 169

Candidate Starts for Doggs_26:

(Start: 169 @22233 has 30 MA's), (220, 22326), (226, 22341), (253, 22386), (278, 22416), (304, 22461), (309, 22488), (310, 22491), (334, 22542), (338, 22560), (384, 22641), (410, 22719), (413, 22725), (431, 22767), (437, 22776), (485, 22848), (521, 22911),

Gene: Dolores_25 Start: 21222, Stop: 22010, Start Num: 168

Candidate Starts for Dolores_25:

(Start: 157 @21210 has 33 MA's), (Start: 168 @21222 has 15 MA's), (Start: 176 @21234 has 3 MA's), (182, 21237), (Start: 193 @21264 has 58 MA's), (Start: 197 @21276 has 1 MA's), (226, 21327), (274, 21420), (301, 21465), (303, 21468), (304, 21471), (322, 21531), (329, 21549), (334, 21561), (335, 21564), (336, 21567), (381, 21657), (412, 21744), (542, 21966), (552, 21990),

Gene: DonkeyMan_50 Start: 33281, Stop: 34132, Start Num: 148

Candidate Starts for DonkeyMan_50:

(124, 33245), (Start: 127 @33251 has 1 MA's), (Start: 148 @33281 has 7 MA's), (247, 33464), (336, 33662), (347, 33695), (378, 33770), (384, 33785), (412, 33863), (469, 33974), (470, 33977), (474, 33983), (492, 34019), (508, 34046), (546, 34121),

Gene: DoobyDoo_86 Start: 57557, Stop: 58408, Start Num: 163

Candidate Starts for DoobyDoo_86:

(82, 57380), (93, 57407), (97, 57416), (101, 57431), (106, 57440), (Start: 144 @57533 has 1 MA's), (146, 57536), (Start: 163 @57557 has 47 MA's), (Start: 171 @57566 has 14 MA's), (184, 57587), (199, 57629), (202, 57635), (224, 57680), (280, 57785), (287, 57794), (301, 57821), (306, 57833), (316, 57872), (390, 58052), (414, 58118), (417, 58127), (434, 58157), (451, 58184), (463, 58208), (489, 58262), (515, 58307), (520, 58319), (553, 58385),

Gene: Dorito_24 Start: 20676, Stop: 21473, Start Num: 157

Candidate Starts for Dorito_24:

(86, 20526), (Start: 157 @20676 has 33 MA's), (Start: 165 @20685 has 3 MA's), (Start: 176 @20697 has 3 MA's), (182, 20700), (Start: 193 @20727 has 58 MA's), (Start: 197 @20739 has 1 MA's), (226, 20790), (274, 20883), (301, 20928), (303, 20931), (304, 20934), (305, 20937), (322, 20994), (329, 21012), (335, 21027), (336, 21030), (375, 21108), (381, 21120), (390, 21147), (412, 21207), (430, 21243), (511, 21375), (520, 21393), (542, 21429), (558, 21465),

Gene: Duffington_30 Start: 22295, Stop: 23083, Start Num: 193

Candidate Starts for Duffington_30:

(Start: 193 @22295 has 58 MA's), (214, 22340), (227, 22370), (231, 22382), (259, 22436), (317, 22583), (330, 22610), (335, 22625), (367, 22709), (408, 22814), (409, 22817), (447, 22892), (522, 23039),

Gene: DumpTruck_89 Start: 58754, Stop: 59617, Start Num: 147

Candidate Starts for DumpTruck_89:

(Start: 140 @58742 has 1 MA's), (Start: 147 @58754 has 1 MA's), (162, 58772), (Start: 179 @58784 has 2 MA's), (184, 58793), (199, 58835), (256, 58943), (301, 59024), (306, 59036), (341, 59141), (349, 59162), (353, 59168), (354, 59171), (390, 59255), (441, 59369), (451, 59387), (462, 59408), (500, 59483), (533, 59540),

Gene: DumpsterDude_29 Start: 25886, Stop: 26689, Start Num: 151

Candidate Starts for DumpsterDude_29:

(Start: 151 @25886 has 1 MA's), (Start: 176 @25907 has 3 MA's), (Start: 193 @25937 has 58 MA's), (Start: 197 @25949 has 1 MA's), (205, 25964), (226, 26000), (274, 26093), (304, 26144), (317, 26192), (322, 26204), (329, 26222), (334, 26234), (335, 26237), (336, 26240), (353, 26273), (412, 26417), (422, 26438), (446, 26477), (511, 26585), (542, 26636), (552, 26660),

Gene: E3_gp85 Start: 47322, Stop: 46429, Start Num: 136

Candidate Starts for E3_gp85:

(136, 47322), (Start: 153 @47307 has 7 MA's), (Start: 163 @47298 has 47 MA's), (192, 47247), (198, 47229), (205, 47214), (220, 47193), (271, 47088), (275, 47079), (293, 47052), (305, 47022), (308, 47007), (309, 46998), (319, 46974), (323, 46962), (361, 46857), (372, 46830), (379, 46815), (385, 46803), (391, 46785), (409, 46728), (439, 46668), (483, 46587), (538, 46500), (548, 46470), (558, 46449),

Gene: EMoore_42 Start: 39517, Stop: 40245, Start Num: 158

Candidate Starts for EMoore_42:

(Start: 153 @39511 has 7 MA's), (Start: 158 @39517 has 1 MA's), (Start: 197 @39574 has 1 MA's), (221, 39613), (226, 39625), (268, 39685), (333, 39820), (334, 39823), (376, 39898), (384, 39913), (412, 39991), (437, 40039), (454, 40066), (493, 40129), (541, 40204), (547, 40219),

Gene: EMSquaredA_27 Start: 21910, Stop: 22626, Start Num: 169

Candidate Starts for EMSquaredA_27:

(Start: 142 @21883 has 1 MA's), (Start: 144 @21886 has 1 MA's), (Start: 169 @21910 has 30 MA's), (184, 21928), (208, 21982), (253, 22066), (284, 22105), (304, 22141), (309, 22168), (334, 22222), (338, 22240), (384, 22333), (410, 22411), (413, 22417), (516, 22594), (527, 22612),

Gene: Easley_25 Start: 21244, Stop: 22020, Start Num: 176

Candidate Starts for Easley_25:

(Start: 157 @21220 has 33 MA's), (Start: 168 @21232 has 15 MA's), (Start: 176 @21244 has 3 MA's), (182, 21247), (Start: 193 @21274 has 58 MA's), (Start: 197 @21286 has 1 MA's), (226, 21337), (274, 21430), (301, 21475), (303, 21478), (304, 21481), (322, 21541), (329, 21559), (334, 21571), (335, 21574), (336, 21577), (381, 21667), (412, 21754), (542, 21976), (552, 22000),

Gene: Ebert_24 Start: 19798, Stop: 20505, Start Num: 174

Candidate Starts for Ebert_24:

(99, 19654), (Start: 174 @19798 has 60 MA's), (199, 19855), (220, 19894), (249, 19945), (253, 19954), (270, 19972), (272, 19975), (304, 20029), (305, 20032), (313, 20065), (320, 20083), (334, 20110), (369, 20188), (397, 20257), (401, 20263), (410, 20287), (413, 20293), (528, 20497),

Gene: Ecliptus_31 Start: 23080, Stop: 23703, Start Num: 213

Candidate Starts for Ecliptus_31:

(Start: 213 @23080 has 29 MA's), (Start: 216 @23086 has 2 MA's), (229, 23116), (235, 23131), (316, 23311), (346, 23383), (367, 23434), (372, 23446), (393, 23491), (397, 23509), (406, 23530), (409, 23539), (507, 23671),

Gene: Eddiemania_31 Start: 22956, Stop: 23744, Start Num: 193

Candidate Starts for Eddiemania_31:

(Start: 193 @22956 has 58 MA's), (214, 23001), (227, 23031), (231, 23043), (259, 23097), (287, 23148), (317, 23244), (335, 23286), (408, 23475), (409, 23478), (447, 23553), (522, 23700),

Gene: EdnaMode_23 Start: 18707, Stop: 19408, Start Num: 174

Candidate Starts for EdnaMode_23:

(Start: 158 @18689 has 1 MA's), (Start: 161 @18692 has 34 MA's), (Start: 174 @18707 has 60 MA's), (220, 18800), (226, 18815), (249, 18851), (303, 18932), (310, 18965), (313, 18971), (334, 19016), (348, 19055), (410, 19193), (413, 19199), (422, 19223), (430, 19238), (528, 19400),

Gene: Egi03_44 Start: 35952, Stop: 36707, Start Num: 161

Candidate Starts for Egi03_44:

(Start: 148 @35937 has 7 MA's), (Start: 161 @35952 has 34 MA's), (203, 36024), (226, 36060), (270, 36132), (373, 36327), (379, 36333), (390, 36360), (405, 36408), (461, 36510), (511, 36594), (549, 36666),

Gene: ElJefes_48 Start: 35628, Stop: 34825, Start Num: 127

Candidate Starts for ElJefes_48:

(106, 35688), (Start: 127 @35628 has 1 MA's), (186, 35550), (228, 35478), (255, 35421), (286, 35367), (302, 35328), (308, 35307), (366, 35163), (385, 35130), (420, 35025), (464, 34947), (501, 34878), (506, 34869), (520, 34839), (526, 34830),

Gene: Emianna_19 Start: 9384, Stop: 10109, Start Num: 130

Candidate Starts for Emianna_19:

(Start: 130 @9384 has 24 MA's), (Start: 157 @9408 has 33 MA's), (187, 9441), (220, 9444), (239, 9480), (248, 9495), (269, 9537), (333, 9684), (405, 9876), (457, 9978), (475, 10008), (485, 10029), (497, 10044), (529, 10104),

Gene: EmoNemo_30 Start: 21568, Stop: 22266, Start Num: 135

Candidate Starts for EmoNemo_30:

(Start: 125 @21550 has 1 MA's), (Start: 135 @21568 has 17 MA's), (Start: 219 @21631 has 1 MA's), (233, 21667), (271, 21727), (280, 21739), (290, 21760), (303, 21793), (310, 21823), (311, 21826), (324, 21847), (326, 21853), (328, 21859), (336, 21880), (381, 21985), (384, 21994), (406, 22063), (409, 22069), (426, 22105), (433, 22117), (475, 22156), (485, 22177), (524, 22246), (533, 22258), (535, 22261),

Gene: EnalisNailo_27 Start: 22059, Stop: 22775, Start Num: 169

Candidate Starts for EnalisNailo_27:

(Start: 142 @22032 has 1 MA's), (Start: 144 @22035 has 1 MA's), (Start: 169 @22059 has 30 MA's), (184, 22077), (208, 22131), (253, 22215), (284, 22254), (304, 22290), (309, 22317), (334, 22371), (338, 22389), (384, 22482), (410, 22560), (413, 22566), (516, 22743), (527, 22761),

Gene: EndAve_30 Start: 22310, Stop: 23098, Start Num: 193

Candidate Starts for EndAve_30:

(Start: 193 @22310 has 58 MA's), (214, 22355), (227, 22385), (231, 22397), (259, 22451), (317, 22598), (333, 22634), (335, 22640), (408, 22829), (409, 22832), (434, 22889), (447, 22907), (460, 22934), (522, 23054),

Gene: Ennea_24 Start: 10528, Stop: 11301, Start Num: 130

Candidate Starts for Ennea_24:

(Start: 130 @10528 has 24 MA's), (Start: 219 @10636 has 1 MA's), (220, 10639), (248, 10690), (269, 10732), (316, 10846), (338, 10900), (485, 11221), (517, 11275),

Gene: Erutan_86 Start: 58695, Stop: 59546, Start Num: 163

Candidate Starts for Erutan_86:

(Start: 144 @58671 has 1 MA's), (146, 58674), (Start: 163 @58695 has 47 MA's), (Start: 171 @58704 has 14 MA's), (184, 58725), (199, 58767), (202, 58773), (224, 58818), (280, 58923), (301, 58959), (306, 58971), (316, 59010), (390, 59190), (414, 59256), (417, 59265), (434, 59295), (462, 59343), (463, 59346), (489, 59400), (515, 59445), (520, 59457), (553, 59523),

Gene: Eudoria_27 Start: 22303, Stop: 22923, Start Num: 207

Candidate Starts for Eudoria_27:

(49, 21928), (99, 22099), (100, 22102), (Start: 130 @22183 has 24 MA's), (143, 22204), (Start: 207 @22303 has 17 MA's), (Start: 216 @22312 has 2 MA's), (235, 22357), (280, 22438), (316, 22537), (334, 22573), (355, 22624), (372, 22672), (397, 22735), (409, 22765), (439, 22816), (485, 22867), (507, 22894),

Gene: Evaa_42 Start: 36118, Stop: 36834, Start Num: 174

Candidate Starts for Evaa_42:

(35, 35704), (Start: 174 @36118 has 60 MA's), (198, 36172), (226, 36226), (253, 36271), (293, 36322), (294, 36325), (297, 36334), (304, 36346), (313, 36382), (338, 36454), (386, 36547), (401, 36595), (402, 36598), (410, 36619), (516, 36802),

Gene: Evamon_43 Start: 36191, Stop: 36946, Start Num: 161

Candidate Starts for Evamon_43:

(111, 36095), (Start: 161 @36191 has 34 MA's), (203, 36263), (226, 36299), (270, 36371), (281, 36386), (373, 36566), (379, 36572), (390, 36599), (405, 36647), (461, 36749), (511, 36833), (549, 36905),

Gene: Eviarto_25 Start: 22309, Stop: 22926, Start Num: 206

Candidate Starts for Eviarto_25:

(143, 22210), (178, 22249), (194, 22282), (Start: 206 @22309 has 12 MA's), (Start: 216 @22318 has 2 MA's), (235, 22360), (243, 22372), (266, 22420), (280, 22441), (290, 22462), (303, 22495), (305, 22498), (316, 22540), (334, 22576), (355, 22627), (372, 22675), (397, 22738), (409, 22768), (439, 22819), (507, 22897),

Gene: Eyes_26 Start: 21433, Stop: 22146, Start Num: 174

Candidate Starts for Eyes_26:

(Start: 132 @21376 has 3 MA's), (Start: 174 @21433 has 60 MA's), (220, 21526), (226, 21541), (253, 21586), (293, 21637), (305, 21664), (309, 21688), (337, 21751), (338, 21760), (405, 21910), (410, 21922), (413, 21928), (505, 22093),

Gene: Eyre_23 Start: 19537, Stop: 20265, Start Num: 169

Candidate Starts for Eyre_23:

(39, 19162), (72, 19333), (73, 19336), (104, 19417), (114, 19438), (Start: 169 @19537 has 30 MA's), (220, 19636), (226, 19651), (253, 19696), (309, 19798), (334, 19852), (338, 19870), (410, 20038), (413, 20044), (469, 20146), (505, 20209),

Gene: Fairfaxidum_25 Start: 21557, Stop: 22270, Start Num: 169

Candidate Starts for Fairfaxidum_25:

(Start: 155 @21542 has 1 MA's), (Start: 169 @21557 has 30 MA's), (181, 21569), (182, 21572), (184, 21575), (232, 21683), (253, 21713), (278, 21743), (304, 21788), (316, 21833), (334, 21875), (338, 21893), (384, 21980), (387, 21986), (402, 22037), (410, 22058), (413, 22064), (430, 22103), (437, 22115), (485, 22187), (521, 22250),

Gene: Faith5x5_23 Start: 18643, Stop: 19344, Start Num: 169

Candidate Starts for Faith5x5_23:

(Start: 169 @18643 has 30 MA's), (208, 18709), (220, 18733), (232, 18763), (253, 18793), (284, 18832), (293, 18844), (305, 18871), (309, 18895), (310, 18898), (335, 18952), (337, 18958), (338, 18967), (369, 19030), (380, 19045), (384, 19051), (397, 19099), (406, 19120), (410, 19129), (413, 19135), (437, 19186), (469, 19225), (475, 19237), (516, 19312), (528, 19333), (531, 19336),

Gene: Farrylious_29 Start: 21321, Stop: 22019, Start Num: 135

Candidate Starts for Farrylious_29:

(Start: 125 @21303 has 1 MA's), (Start: 135 @21321 has 17 MA's), (Start: 219 @21384 has 1 MA's), (233, 21420), (271, 21480), (280, 21492), (290, 21513), (303, 21546), (310, 21576), (311, 21579), (324, 21600), (326, 21606), (328, 21612), (336, 21633), (381, 21738), (384, 21747), (406, 21816), (409, 21822), (426, 21858), (433, 21870), (475, 21909), (485, 21930), (524, 21999), (533, 22011), (535, 22014),

Gene: Fazel_28 Start: 21344, Stop: 22132, Start Num: 193

Candidate Starts for Fazel_28:

(Start: 193 @21344 has 58 MA's), (214, 21389), (251, 21467), (259, 21485), (316, 21629), (317, 21632), (330, 21659), (335, 21674), (367, 21758), (390, 21806), (408, 21863), (409, 21866), (442, 21935), (447, 21941), (462, 21971),

Gene: FelixTres_45 Start: 37556, Stop: 38278, Start Num: 171

Candidate Starts for FelixTres_45:

(78, 37370), (Start: 171 @37556 has 14 MA's), (Start: 219 @37649 has 1 MA's), (256, 37718), (282, 37745), (285, 37751), (321, 37841), (376, 37949), (382, 37961), (397, 38012), (410, 38042), (422, 38072), (430, 38087),

Gene: Fenry_24 Start: 20871, Stop: 21674, Start Num: 157

Candidate Starts for Fenry_24:

(Start: 157 @20871 has 33 MA's), (Start: 193 @20919 has 58 MA's), (Start: 197 @20931 has 1 MA's), (205, 20946), (226, 20982), (274, 21075), (284, 21087), (303, 21123), (304, 21126), (316, 21171), (317, 21174), (322, 21186), (329, 21204), (334, 21216), (335, 21219), (336, 21222), (412, 21399), (422, 21420), (425, 21426), (519, 21582), (542, 21618), (552, 21642), (561, 21663),

Gene: Figliar_30 Start: 22320, Stop: 23108, Start Num: 193

Candidate Starts for Figliar_30:

(Start: 193 @22320 has 58 MA's), (214, 22365), (227, 22395), (231, 22407), (259, 22461), (317, 22608), (330, 22635), (335, 22650), (367, 22734), (408, 22839), (409, 22842), (447, 22917), (522, 23064),

Gene: Fireball_45 Start: 36416, Stop: 37156, Start Num: 161

Candidate Starts for Fireball_45:

(136, 36380), (Start: 148 @36401 has 7 MA's), (Start: 161 @36416 has 34 MA's), (203, 36488), (226, 36524), (270, 36596), (310, 36677), (373, 36791), (379, 36797), (390, 36824), (405, 36872), (461, 36974), (525, 37088), (550, 37136),

Gene: Fitzgerald_44 Start: 40680, Stop: 41414, Start Num: 159

Candidate Starts for Fitzgerald_44:

(89, 40533), (122, 40623), (Start: 159 @40680 has 54 MA's), (Start: 176 @40698 has 3 MA's), (226, 40785), (240, 40812), (268, 40860), (280, 40878), (304, 40920), (333, 40998), (358, 41040), (374, 41073), (430, 41208), (454, 41247), (517, 41346), (536, 41373), (551, 41406),

Gene: Flapper_22 Start: 9234, Stop: 10004, Start Num: 130

Candidate Starts for Flapper_22:

(Start: 130 @9234 has 24 MA's), (139, 9252), (Start: 219 @9342 has 1 MA's), (248, 9396), (269, 9438), (362, 9666), (381, 9699), (383, 9702), (485, 9921), (517, 9975),

Gene: Flatwoods_46 Start: 39507, Stop: 40250, Start Num: 159

Candidate Starts for Flatwoods_46:

(Start: 159 @39507 has 54 MA's), (Start: 176 @39525 has 3 MA's), (198, 39570), (226, 39615), (268, 39690), (280, 39708), (304, 39750), (309, 39777), (358, 39870), (362, 39882), (414, 40002), (430, 40038), (437, 40050), (454, 40077), (474, 40110), (495, 40143), (517, 40176), (536, 40203),

Gene: Float294_20 Start: 9077, Stop: 9850, Start Num: 130

Candidate Starts for Float294_20:

(Start: 130 @9077 has 24 MA's), (Start: 219 @9185 has 1 MA's), (220, 9188), (248, 9239), (269, 9281), (316, 9395), (338, 9449), (393, 9581), (485, 9770), (517, 9824),

Gene: Floral_27 Start: 21910, Stop: 22626, Start Num: 169

Candidate Starts for Floral_27:

(Start: 142 @21883 has 1 MA's), (Start: 144 @21886 has 1 MA's), (Start: 169 @21910 has 30 MA's), (184, 21928), (208, 21982), (253, 22066), (284, 22105), (304, 22141), (309, 22168), (334, 22222), (338, 22240), (384, 22333), (410, 22411), (413, 22417), (516, 22594), (527, 22612),

Gene: FlyingTortilla_30 Start: 24461, Stop: 25141, Start Num: 135

Candidate Starts for FlyingTortilla_30:

(Start: 135 @24461 has 17 MA's), (Start: 219 @24518 has 1 MA's), (290, 24635), (303, 24668), (310, 24698), (311, 24701), (324, 24722), (326, 24728), (333, 24746), (338, 24767), (368, 24836), (381, 24860), (388, 24878), (393, 24899), (433, 24992), (439, 25001), (485, 25052), (524, 25121), (535, 25136),

Gene: Football_28 Start: 19066, Stop: 19851, Start Num: 193

Candidate Starts for Football_28:

(Start: 193 @19066 has 58 MA's), (214, 19111), (259, 19207), (261, 19213), (316, 19351), (331, 19384), (335, 19396), (408, 19585), (409, 19588), (447, 19663), (522, 19810),

Gene: FortCran_27 Start: 19318, Stop: 20103, Start Num: 193

Candidate Starts for FortCran_27:

(Start: 193 @19318 has 58 MA's), (199, 19333), (214, 19363), (259, 19459), (261, 19465), (316, 19603), (331, 19636), (335, 19648), (408, 19837), (409, 19840), (447, 19915), (522, 20062),

Gene: Forza_182 Start: 105418, Stop: 104702, Start Num: 173

Candidate Starts for Forza_182:

(Start: 173 @105418 has 14 MA's), (200, 105361), (300, 105178), (320, 105118), (350, 105049), (357, 105031), (390, 104956), (393, 104944), (396, 104929), (397, 104926), (406, 104905), (408, 104899), (416, 104884), (476, 104797), (485, 104779), (498, 104761), (511, 104737), (523, 104713),

Gene: Fosterous_43 Start: 39239, Stop: 39973, Start Num: 159

Candidate Starts for Fosterous_43:

(122, 39182), (Start: 159 @39239 has 54 MA's), (Start: 176 @39257 has 3 MA's), (226, 39344), (240, 39371), (268, 39419), (280, 39437), (304, 39479), (333, 39557), (358, 39599), (374, 39632), (430, 39767), (454, 39806), (517, 39905), (536, 39932), (551, 39965),

Gene: Foxboro_20 Start: 9744, Stop: 10469, Start Num: 130

Candidate Starts for Foxboro_20:

(Start: 130 @9744 has 24 MA's), (Start: 157 @9768 has 33 MA's), (187, 9801), (220, 9804), (239, 9840), (248, 9855), (269, 9897), (333, 10044), (405, 10236), (457, 10338), (475, 10368), (485, 10389), (497, 10404), (529, 10464),

Gene: Fresco_42 Start: 35273, Stop: 35995, Start Num: 173

Candidate Starts for Fresco_42:

(32, 34883), (66, 35060), (102, 35168), (Start: 173 @35273 has 14 MA's), (256, 35435), (293, 35480), (313, 35543), (320, 35561), (334, 35588), (369, 35666), (371, 35669), (397, 35738), (410, 35768), (413, 35774), (518, 35963),

Gene: Frickyeah_27 Start: 21264, Stop: 21887, Start Num: 213

Candidate Starts for Frickyeah_27:

(51, 20889), (66, 20946), (76, 20991), (99, 21045), (100, 21048), (117, 21084), (Start: 130 @21129 has 24 MA's), (133, 21132), (Start: 213 @21264 has 29 MA's), (Start: 216 @21270 has 2 MA's), (229, 21300), (235, 21315), (266, 21375), (306, 21456), (316, 21495), (346, 21567), (372, 21630), (393, 21675), (397, 21693), (406, 21714), (409, 21723), (507, 21855), (511, 21864), (516, 21876),

Gene: FroggyToad_24 Start: 19863, Stop: 20570, Start Num: 174

Candidate Starts for FroggyToad_24:

(99, 19719), (Start: 174 @19863 has 60 MA's), (199, 19920), (220, 19959), (253, 20019), (270, 20037), (272, 20040), (304, 20094), (305, 20097), (313, 20130), (320, 20148), (321, 20151), (369, 20253), (397, 20322), (410, 20352), (413, 20358), (528, 20562),

Gene: Frokostdame_25 Start: 21118, Stop: 21918, Start Num: 157

Candidate Starts for Frokostdame_25:

(83, 20968), (Start: 157 @21118 has 33 MA's), (Start: 193 @21166 has 58 MA's), (Start: 197 @21178 has 1 MA's), (205, 21193), (226, 21229), (274, 21322), (303, 21370), (304, 21373), (321, 21430), (322, 21433), (329, 21451), (334, 21463), (335, 21466), (336, 21469), (412, 21646), (422, 21667), (448, 21709), (511, 21814), (519, 21829), (520, 21832), (542, 21865), (552, 21889),

Gene: FruityLoops_29 Start: 24464, Stop: 25144, Start Num: 135

Candidate Starts for FruityLoops_29:

(Start: 135 @24464 has 17 MA's), (Start: 219 @24521 has 1 MA's), (290, 24638), (303, 24671), (310, 24701), (311, 24704), (324, 24725), (326, 24731), (333, 24749), (338, 24770), (381, 24863), (388, 24881), (393, 24902), (433, 24995), (439, 25004), (447, 25010), (485, 25055), (524, 25124), (535, 25139),

Gene: FuegoCuervo_48 Start: 39107, Stop: 39841, Start Num: 159

Candidate Starts for FuegoCuervo_48:

(Start: 159 @39107 has 54 MA's), (Start: 176 @39125 has 3 MA's), (226, 39212), (240, 39239), (268, 39287), (280, 39305), (292, 39317), (304, 39347), (310, 39377), (333, 39425), (358, 39467), (430, 39635), (454, 39674), (517, 39773), (536, 39800), (551, 39833),

Gene: Fugax_47 Start: 36463, Stop: 37218, Start Num: 161

Candidate Starts for Fugax_47:

(Start: 148 @36448 has 7 MA's), (Start: 161 @36463 has 34 MA's), (203, 36535), (226, 36571), (270, 36643), (373, 36838), (379, 36844), (390, 36871), (405, 36919), (461, 37021), (511, 37105), (549, 37177),

Gene: Fulcrum_85 Start: 58384, Stop: 59235, Start Num: 163

Candidate Starts for Fulcrum_85:

(82, 58207), (93, 58234), (97, 58243), (101, 58258), (106, 58267), (Start: 144 @58360 has 1 MA's), (146, 58363), (Start: 163 @58384 has 47 MA's), (Start: 171 @58393 has 14 MA's), (184, 58414), (199, 58456), (202, 58462), (224, 58507), (280, 58612), (301, 58648), (306, 58660), (316, 58699), (329, 58729), (330, 58732), (334, 58744), (390, 58879), (414, 58945), (417, 58954), (434, 58984), (451, 59011), (463, 59035), (489, 59089), (515, 59134), (520, 59146), (553, 59212),

Gene: Fury_25 Start: 9669, Stop: 10463, Start Num: 123

Candidate Starts for Fury_25:

(62, 9471), (Start: 123 @9669 has 1 MA's), (Start: 219 @9798 has 1 MA's), (220, 9801), (248, 9858), (269, 9900), (316, 10014), (326, 10029), (333, 10047), (346, 10083), (378, 10152), (381, 10158), (406, 10236), (409, 10245), (433, 10299), (475, 10359),

Gene: GAL1_26 Start: 21339, Stop: 22043, Start Num: 169

Candidate Starts for GAL1_26:

(Start: 169 @21339 has 30 MA's), (Start: 173 @21345 has 14 MA's), (208, 21411), (220, 21435), (232, 21465), (253, 21495), (284, 21534), (309, 21597), (337, 21660), (338, 21669), (379, 21744), (380, 21747), (384, 21753), (397, 21801), (410, 21831), (413, 21837), (475, 21939), (485, 21960), (521, 22023),

Gene: GEazy_26 Start: 21448, Stop: 22167, Start Num: 174

Candidate Starts for GEazy_26:

(Start: 132 @21391 has 3 MA's), (Start: 174 @21448 has 60 MA's), (220, 21541), (226, 21556), (253, 21601), (293, 21652), (305, 21679), (309, 21703), (337, 21766), (338, 21775), (410, 21937), (413, 21943),

Gene: GMA2_76 Start: 77386, Stop: 76664, Start Num: 166

Candidate Starts for GMA2_76:

(166, 77386), (177, 77380), (184, 77371), (223, 77287), (249, 77242), (329, 77065), (383, 76936), (389, 76918), (455, 76777), (479, 76750), (523, 76675),

Gene: GMA3_32 Start: 38590, Stop: 39348, Start Num: 195

Candidate Starts for GMA3_32:

(Start: 195 @38590 has 2 MA's), (238, 38677), (289, 38785), (306, 38833), (315, 38869), (335, 38905), (346, 38938), (352, 38950), (390, 39040), (398, 39073), (432, 39151), (467, 39208), (522, 39319),

Gene: GMA6_16 Start: 13599, Stop: 14291, Start Num: 132

Candidate Starts for GMA6_16:

(Start: 132 @13599 has 3 MA's), (Start: 219 @13659 has 1 MA's), (224, 13671), (229, 13683), (233, 13695), (249, 13716), (266, 13749), (290, 13791), (303, 13824), (336, 13911), (381, 14013), (404, 14085), (426, 14133), (484, 14205), (507, 14241), (532, 14286),

Gene: GOATification_85 Start: 58384, Stop: 59235, Start Num: 163

Candidate Starts for GOATification_85:

(82, 58207), (93, 58234), (97, 58243), (101, 58258), (106, 58267), (Start: 144 @58360 has 1 MA's), (146, 58363), (Start: 163 @58384 has 47 MA's), (Start: 171 @58393 has 14 MA's), (184, 58414), (199, 58456), (202, 58462), (224, 58507), (280, 58612), (301, 58648), (306, 58660), (316, 58699), (329, 58729), (330, 58732), (334, 58744), (390, 58879), (414, 58945), (417, 58954), (434, 58984), (451, 59011), (463, 59035), (489, 59089), (515, 59134), (520, 59146), (553, 59212),

Gene: GRU1_9 Start: 2330, Stop: 3097, Start Num: 130

Candidate Starts for GRU1_9:

(128, 2327), (Start: 130 @2330 has 24 MA's), (139, 2345), (Start: 219 @2435 has 1 MA's), (220, 2438), (248, 2489), (269, 2531), (306, 2606), (362, 2759), (381, 2792), (383, 2795), (415, 2897), (482, 3008), (485, 3014), (515, 3062), (517, 3068),

Gene: GTE5_9 Start: 2331, Stop: 3101, Start Num: 130

Candidate Starts for GTE5_9:

(Start: 130 @2331 has 24 MA's), (139, 2349), (Start: 219 @2439 has 1 MA's), (248, 2493), (269, 2535), (362, 2763), (381, 2796), (383, 2799), (482, 3012), (485, 3018), (515, 3066), (517, 3072),

Gene: GTE8_7 Start: 2259, Stop: 2990, Start Num: 130

Candidate Starts for GTE8_7:

(Start: 130 @2259 has 24 MA's), (Start: 157 @2283 has 33 MA's), (187, 2316), (220, 2319), (239, 2355), (248, 2370), (269, 2412), (355, 2616), (381, 2676), (405, 2751), (406, 2754), (455, 2853), (457, 2856), (475, 2886), (485, 2907), (497, 2922),

Gene: Gaea_45 Start: 39151, Stop: 39894, Start Num: 159

Candidate Starts for Gaea_45:

(Start: 159 @39151 has 54 MA's), (Start: 176 @39169 has 3 MA's), (198, 39214), (226, 39259), (253, 39304), (268, 39334), (280, 39352), (292, 39364), (304, 39394), (309, 39421), (358, 39514), (362, 39526), (397, 39610), (430, 39682), (437, 39694), (454, 39721), (474, 39754), (495, 39787), (517, 39820), (536, 39847),

Gene: Gagieri_19 Start: 9542, Stop: 10426, Start Num: 153

Candidate Starts for Gagieri_19:

(50, 9272), (52, 9284), (58, 9299), (Start: 153 @9542 has 7 MA's), (166, 9557), (Start: 196 @9620 has 5 MA's), (241, 9707), (250, 9725), (257, 9740), (267, 9758), (273, 9770), (329, 9899), (361, 9977), (379, 10013), (412, 10106), (418, 10121), (477, 10220), (496, 10268), (514, 10301), (542, 10349), (560, 10394),

Gene: Galadriel_45 Start: 40046, Stop: 40780, Start Num: 159

Candidate Starts for Galadriel_45:

(89, 39899), (122, 39989), (Start: 159 @40046 has 54 MA's), (Start: 176 @40064 has 3 MA's), (226, 40151), (240, 40178), (268, 40226), (280, 40244), (304, 40286), (333, 40364), (358, 40406), (374, 40439), (430, 40574), (454, 40613), (517, 40712), (536, 40739), (551, 40772),

Gene: Gambino_27 Start: 21524, Stop: 22264, Start Num: 197

Candidate Starts for Gambino_27:

(83, 21314), (Start: 157 @21464 has 33 MA's), (Start: 193 @21512 has 58 MA's), (Start: 197 @21524 has 1 MA's), (226, 21575), (274, 21668), (304, 21719), (321, 21776), (322, 21779), (329, 21797), (334, 21809), (335, 21812), (336, 21815), (412, 21992), (422, 22013), (425, 22019), (448, 22055), (511, 22160), (519, 22175), (520, 22178), (542, 22211), (552, 22235),

Gene: GemG_24 Start: 19798, Stop: 20505, Start Num: 174

Candidate Starts for GemG_24:

(99, 19654), (Start: 174 @19798 has 60 MA's), (199, 19855), (220, 19894), (249, 19945), (253, 19954), (270, 19972), (272, 19975), (304, 20029), (305, 20032), (313, 20065), (320, 20083), (334, 20110), (369, 20188), (397, 20257), (401, 20263), (410, 20287), (413, 20293), (528, 20497),

Gene: Genamy16_87 Start: 57186, Stop: 58037, Start Num: 163

Candidate Starts for Genamy16_87:

(Start: 144 @57162 has 1 MA's), (146, 57165), (Start: 163 @57186 has 47 MA's), (Start: 179 @57207 has 2 MA's), (184, 57216), (199, 57258), (202, 57264), (224, 57309), (277, 57411), (280, 57414), (301, 57450), (306, 57462), (316, 57501), (329, 57531), (330, 57534), (334, 57546), (335, 57549), (390, 57681), (414, 57747), (417, 57756), (434, 57786), (451, 57813), (462, 57834), (489, 57891), (515, 57936), (553, 58014),

Gene: Geodirt_44 Start: 40658, Stop: 41392, Start Num: 159

Candidate Starts for Geodirt_44:

(122, 40601), (Start: 159 @40658 has 54 MA's), (Start: 176 @40676 has 3 MA's), (226, 40763), (240, 40790), (268, 40838), (280, 40856), (304, 40898), (333, 40976), (358, 41018), (374, 41051), (430, 41186), (454, 41225), (517, 41324), (536, 41351), (551, 41384),

Gene: Getalong_29 Start: 22301, Stop: 22924, Start Num: 213

Candidate Starts for Getalong_29:

(51, 21926), (66, 21983), (76, 22028), (99, 22082), (100, 22085), (117, 22121), (Start: 130 @22166 has 24 MA's), (133, 22169), (Start: 213 @22301 has 29 MA's), (Start: 216 @22307 has 2 MA's), (229, 22337), (235, 22352), (266, 22412), (306, 22493), (316, 22532), (346, 22604), (372, 22667), (393, 22712), (397, 22730), (406, 22751), (409, 22760), (507, 22892), (511, 22901), (516, 22913),

Gene: Gezellig_43 Start: 36323, Stop: 37078, Start Num: 161

Candidate Starts for Gezellig_43:

(119, 36245), (Start: 161 @36323 has 34 MA's), (203, 36395), (270, 36503), (301, 36548), (373, 36698), (379, 36704), (390, 36731), (405, 36779), (461, 36881), (511, 36965), (549, 37037),

Gene: Gibbin_88 Start: 59024, Stop: 59875, Start Num: 163

Candidate Starts for Gibbin_88:

(Start: 144 @59000 has 1 MA's), (146, 59003), (Start: 163 @59024 has 47 MA's), (Start: 171 @59033 has 14 MA's), (184, 59054), (199, 59096), (202, 59102), (224, 59147), (280, 59252), (287, 59261), (301, 59288), (306, 59300), (316, 59339), (390, 59519), (414, 59585), (417, 59594), (434, 59624), (451, 59651), (463, 59675), (489, 59729), (515, 59774), (520, 59786), (553, 59852),

Gene: Gibbles_38 Start: 40989, Stop: 41708, Start Num: 196

Candidate Starts for Gibbles_38:

(Start: 196 @40989 has 5 MA's), (199, 40995), (217, 41031), (222, 41043), (272, 41136), (316, 41262), (330, 41280), (332, 41286), (346, 41328), (368, 41382), (378, 41394), (412, 41490), (456, 41550), (514, 41664),

Gene: Gill_27 Start: 19428, Stop: 20213, Start Num: 193

Candidate Starts for Gill_27:

(Start: 193 @19428 has 58 MA's), (199, 19443), (222, 19491), (236, 19524), (259, 19569), (261, 19575), (316, 19713), (331, 19746), (335, 19758), (408, 19947), (409, 19950), (447, 20025), (460, 20052), (522, 20172),

Gene: Gizermo_24 Start: 19798, Stop: 20505, Start Num: 174

Candidate Starts for Gizermo_24:

(99, 19654), (Start: 174 @19798 has 60 MA's), (199, 19855), (220, 19894), (249, 19945), (253, 19954), (270, 19972), (272, 19975), (304, 20029), (305, 20032), (313, 20065), (320, 20083), (334, 20110), (369, 20188), (397, 20257), (401, 20263), (410, 20287), (413, 20293), (528, 20497),

Gene: Glintora_30 Start: 22280, Stop: 23068, Start Num: 193

Candidate Starts for Glintora_30:

(Start: 193 @22280 has 58 MA's), (214, 22325), (227, 22355), (231, 22367), (259, 22421), (317, 22568), (333, 22604), (335, 22610), (408, 22799), (409, 22802), (423, 22838), (447, 22877), (522, 23024),

Gene: Gmala1_33 Start: 37223, Stop: 38008, Start Num: 195

Candidate Starts for Gmala1_33:

(Start: 195 @37223 has 2 MA's), (202, 37238), (217, 37268), (222, 37280), (227, 37292), (231, 37304), (248, 37328), (268, 37370), (289, 37418), (304, 37460), (315, 37502), (335, 37553), (381, 37661), (436, 37805), (502, 37928), (522, 37970),

Gene: GordDuk1_33 Start: 37164, Stop: 37949, Start Num: 195

Candidate Starts for GordDuk1_33:

(Start: 195 @37164 has 2 MA's), (202, 37179), (222, 37221), (227, 37233), (248, 37269), (268, 37311), (289, 37359), (304, 37401), (315, 37443), (335, 37494), (381, 37602), (436, 37746), (502, 37869), (522, 37911),

Gene: GordTnk2_33 Start: 37130, Stop: 37915, Start Num: 195

Candidate Starts for GordTnk2_33:

(Start: 195 @37130 has 2 MA's), (202, 37145), (217, 37175), (222, 37187), (227, 37199), (231, 37211), (248, 37235), (268, 37277), (289, 37325), (315, 37409), (335, 37460), (381, 37568), (436, 37712), (502, 37835), (514, 37859), (522, 37877),

Gene: Gravy_27 Start: 19428, Stop: 20213, Start Num: 193

Candidate Starts for Gravy_27:

(Start: 193 @19428 has 58 MA's), (199, 19443), (222, 19491), (236, 19524), (259, 19569), (261, 19575), (316, 19713), (331, 19746), (335, 19758), (408, 19947), (409, 19950), (447, 20025), (460, 20052), (522, 20172),

Gene: Gray_31 Start: 21550, Stop: 22266, Start Num: 125

Candidate Starts for Gray_31:

(Start: 125 @21550 has 1 MA's), (Start: 135 @21568 has 17 MA's), (Start: 219 @21631 has 1 MA's), (233, 21667), (271, 21727), (280, 21739), (290, 21760), (303, 21793), (310, 21823), (311, 21826), (324, 21847), (326, 21853), (328, 21859), (336, 21880), (381, 21985), (384, 21994), (406, 22063), (409, 22069), (426, 22105), (433, 22117), (475, 22156), (485, 22177), (524, 22246), (533, 22258), (535, 22261),

Gene: GretellYn_86 Start: 58751, Stop: 59602, Start Num: 163

Candidate Starts for GretellYn_86:

(Start: 144 @58727 has 1 MA's), (146, 58730), (Start: 163 @58751 has 47 MA's), (Start: 171 @58760 has 14 MA's), (184, 58781), (199, 58823), (202, 58829), (224, 58874), (280, 58979), (301, 59015), (306, 59027), (316, 59066), (390, 59246), (414, 59312), (417, 59321), (434, 59351), (462, 59399), (463, 59402), (489, 59456), (515, 59501), (520, 59513), (553, 59579),

Gene: GrootJr_21 Start: 9807, Stop: 10532, Start Num: 130

Candidate Starts for GrootJr_21:

(Start: 130 @9807 has 24 MA's), (Start: 157 @9831 has 33 MA's), (187, 9864), (220, 9867), (239, 9903), (248, 9918), (269, 9960), (333, 10107), (405, 10299), (457, 10401), (475, 10431), (485, 10452), (497, 10467), (529, 10527),

Gene: Guacamole_25 Start: 21156, Stop: 21959, Start Num: 157

Candidate Starts for Guacamole_25:

(Start: 157 @21156 has 33 MA's), (Start: 193 @21204 has 58 MA's), (Start: 197 @21216 has 1 MA's), (205, 21231), (226, 21267), (274, 21360), (304, 21411), (321, 21468), (322, 21471), (329, 21489), (334, 21501), (335, 21504), (336, 21507), (412, 21684), (422, 21705), (425, 21711), (519, 21867), (542, 21903), (552, 21927), (561, 21948),

Gene: Gudmit_24 Start: 19608, Stop: 20321, Start Num: 169

Candidate Starts for Gudmit_24:

(Start: 169 @19608 has 30 MA's), (184, 19626), (253, 19764), (305, 19842), (309, 19866), (334, 19920), (338, 19938), (384, 20031), (410, 20109), (413, 20115), (425, 20145), (521, 20301), (531, 20313),

Gene: Gusicorn_30 Start: 22097, Stop: 22885, Start Num: 193

Candidate Starts for Gusicorn_30:

(Start: 193 @22097 has 58 MA's), (214, 22142), (231, 22184), (259, 22238), (335, 22427), (408, 22616), (409, 22619), (447, 22694), (522, 22841),

Gene: Gustav_37 Start: 28213, Stop: 28986, Start Num: 169

Candidate Starts for Gustav_37:

(Start: 169 @28213 has 30 MA's), (Start: 196 @28267 has 5 MA's), (202, 28279), (230, 28330), (264, 28387), (286, 28417), (296, 28432), (303, 28450), (309, 28480), (310, 28483), (320, 28507), (333, 28540), (376, 28630), (456, 28798), (547, 28939), (558, 28963),

Gene: Gustavo_45 Start: 39323, Stop: 40066, Start Num: 159

Candidate Starts for Gustavo_45:

(Start: 159 @39323 has 54 MA's), (Start: 176 @39341 has 3 MA's), (198, 39386), (226, 39431), (260, 39494), (268, 39506), (280, 39524), (304, 39566), (309, 39593), (358, 39686), (362, 39698), (414, 39818), (430, 39854), (437, 39866), (454, 39893), (474, 39926), (495, 39959), (517, 39992), (536, 40019),

Gene: Haley23_24 Start: 19798, Stop: 20505, Start Num: 174

Candidate Starts for Haley23_24:

(99, 19654), (Start: 174 @19798 has 60 MA's), (199, 19855), (220, 19894), (249, 19945), (253, 19954), (270, 19972), (272, 19975), (304, 20029), (305, 20032), (313, 20065), (320, 20083), (334, 20110), (369, 20188), (397, 20257), (401, 20263), (410, 20287), (413, 20293), (528, 20497),

Gene: Halo3_44 Start: 36616, Stop: 37371, Start Num: 161

Candidate Starts for Halo3_44:

(111, 36520), (Start: 161 @36616 has 34 MA's), (203, 36688), (226, 36724), (270, 36796), (373, 36991), (379, 36997), (390, 37024), (461, 37174), (511, 37258), (549, 37330),

Gene: Hanem_31 Start: 21568, Stop: 22266, Start Num: 135

Candidate Starts for Hanem_31:

(Start: 125 @21550 has 1 MA's), (Start: 135 @21568 has 17 MA's), (Start: 219 @21631 has 1 MA's), (233, 21667), (271, 21727), (280, 21739), (290, 21760), (303, 21793), (310, 21823), (311, 21826), (324, 21847), (326, 21853), (328, 21859), (336, 21880), (381, 21985), (384, 21994), (406, 22063), (409, 22069), (426, 22105), (433, 22117), (475, 22156), (507, 22210), (524, 22246), (533, 22258), (535, 22261),

Gene: HannahD_26 Start: 21448, Stop: 22167, Start Num: 174

Candidate Starts for HannahD_26:

(Start: 132 @21391 has 3 MA's), (Start: 174 @21448 has 60 MA's), (220, 21541), (226, 21556), (253, 21601), (293, 21652), (305, 21679), (309, 21703), (337, 21766), (338, 21775), (410, 21937), (413, 21943),

Gene: Hans_46 Start: 38978, Stop: 39697, Start Num: 163

Candidate Starts for Hans_46:

(Start: 163 @38978 has 47 MA's), (182, 38993), (Start: 197 @39032 has 1 MA's), (226, 39083), (268, 39143), (379, 39362), (384, 39371), (390, 39389), (412, 39449), (454, 39524), (517, 39623), (541, 39662), (549, 39683),

Gene: Hedwig_28 Start: 22437, Stop: 23138, Start Num: 169

Candidate Starts for Hedwig_28:

(Start: 169 @22437 has 30 MA's), (185, 22455), (220, 22530), (226, 22545), (278, 22620), (309, 22692), (320, 22719), (334, 22746), (337, 22755), (338, 22764), (380, 22839), (384, 22845), (410, 22923), (413, 22929), (485, 23052), (505, 23082), (521, 23115),

Gene: Heinz_49 Start: 31743, Stop: 32606, Start Num: 148

Candidate Starts for Heinz_49:

(66, 31539), (94, 31623), (98, 31632), (Start: 127 @31713 has 1 MA's), (Start: 148 @31743 has 7 MA's), (247, 31926), (318, 32100), (335, 32133), (336, 32136), (347, 32169), (378, 32244), (381,

32250), (412, 32337), (469, 32448), (470, 32451), (474, 32457), (492, 32493), (508, 32520), (546, 32595),

Gene: Herod_25 Start: 22309, Stop: 22926, Start Num: 206

Candidate Starts for Herod_25:

(143, 22210), (178, 22249), (194, 22282), (Start: 206 @22309 has 12 MA's), (Start: 216 @22318 has 2 MA's), (235, 22360), (243, 22372), (266, 22420), (280, 22441), (290, 22462), (303, 22495), (305, 22498), (316, 22540), (334, 22576), (355, 22627), (372, 22675), (397, 22738), (409, 22768), (439, 22819), (507, 22897),

Gene: Hibiscus_50 Start: 31692, Stop: 32555, Start Num: 148

Candidate Starts for Hibiscus_50:

(66, 31488), (94, 31572), (98, 31581), (Start: 127 @31662 has 1 MA's), (Start: 148 @31692 has 7 MA's), (247, 31875), (318, 32049), (335, 32082), (336, 32085), (347, 32118), (378, 32193), (381, 32199), (412, 32286), (469, 32397), (470, 32400), (474, 32406), (492, 32442), (508, 32469), (546, 32544),

Gene: Hitter_25 Start: 21152, Stop: 21955, Start Num: 157

Candidate Starts for Hitter_25:

(Start: 157 @21152 has 33 MA's), (Start: 193 @21200 has 58 MA's), (Start: 197 @21212 has 1 MA's), (205, 21227), (274, 21356), (284, 21368), (304, 21407), (317, 21455), (322, 21467), (329, 21485), (334, 21497), (335, 21500), (336, 21503), (412, 21680), (422, 21701), (425, 21707), (519, 21863), (542, 21899), (552, 21923), (561, 21944),

Gene: Holliday_28 Start: 21606, Stop: 22229, Start Num: 213

Candidate Starts for Holliday_28:

(51, 21231), (66, 21288), (76, 21333), (99, 21387), (100, 21390), (117, 21426), (Start: 130 @21471 has 24 MA's), (133, 21474), (Start: 213 @21606 has 29 MA's), (Start: 216 @21612 has 2 MA's), (229, 21642), (235, 21657), (266, 21717), (306, 21798), (316, 21837), (346, 21909), (372, 21972), (393, 22017), (397, 22035), (406, 22056), (409, 22065), (507, 22197), (511, 22206), (516, 22218),

Gene: HomeFry_22 Start: 8565, Stop: 9368, Start Num: 123

Candidate Starts for HomeFry_22:

(62, 8367), (Start: 123 @8565 has 1 MA's), (Start: 197 @8664 has 1 MA's), (Start: 219 @8694 has 1 MA's), (220, 8697), (235, 8733), (248, 8754), (269, 8796), (316, 8910), (326, 8925), (333, 8943), (355, 8997), (406, 9141), (409, 9150), (428, 9195), (462, 9240), (475, 9264),

Gene: Hortense_25 Start: 21831, Stop: 22619, Start Num: 168

Candidate Starts for Hortense_25:

(Start: 157 @21819 has 33 MA's), (Start: 168 @21831 has 15 MA's), (Start: 176 @21843 has 3 MA's), (182, 21846), (Start: 193 @21873 has 58 MA's), (Start: 197 @21885 has 1 MA's), (226, 21936), (274, 22029), (301, 22074), (303, 22077), (304, 22080), (322, 22140), (329, 22158), (334, 22170), (335, 22173), (336, 22176), (381, 22266), (412, 22353), (511, 22521), (520, 22539), (542, 22575), (552, 22599),

Gene: Hortihabitatio_30 Start: 21725, Stop: 22510, Start Num: 193

Candidate Starts for Hortihabitatio_30:

(Start: 193 @21725 has 58 MA's), (231, 21812), (259, 21866), (317, 22013), (330, 22040), (335, 22055), (408, 22244), (409, 22247), (447, 22322), (462, 22352),

Gene: Horus_28 Start: 21523, Stop: 22146, Start Num: 213

Candidate Starts for Horus_28:

(51, 21148), (66, 21205), (76, 21250), (99, 21304), (100, 21307), (117, 21343), (Start: 130 @21388 has 24 MA's), (133, 21391), (Start: 213 @21523 has 29 MA's), (Start: 216 @21529 has 2 MA's), (229, 21559), (235, 21574), (266, 21634), (306, 21715), (316, 21754), (346, 21826), (372, 21889), (393, 21934), (397, 21952), (406, 21973), (409, 21982), (507, 22114), (511, 22123), (516, 22135),

Gene: Howe_25 Start: 21873, Stop: 22619, Start Num: 193

Candidate Starts for Howe_25:

(Start: 157 @21819 has 33 MA's), (Start: 168 @21831 has 15 MA's), (Start: 176 @21843 has 3 MA's), (182, 21846), (Start: 193 @21873 has 58 MA's), (Start: 197 @21885 has 1 MA's), (226, 21936), (274, 22029), (301, 22074), (303, 22077), (304, 22080), (322, 22140), (329, 22158), (334, 22170), (335, 22173), (336, 22176), (381, 22266), (412, 22353), (511, 22521), (520, 22539), (542, 22575), (552, 22599),

Gene: HubbaBubba_15 Start: 6375, Stop: 7115, Start Num: 134

Candidate Starts for HubbaBubba_15:

(Start: 134 @6375 has 3 MA's), (Start: 219 @6435 has 1 MA's), (220, 6438), (225, 6450), (269, 6531), (340, 6705), (405, 6870), (468, 6996), (485, 7032), (517, 7086),

Gene: Hugley_25 Start: 22282, Stop: 22926, Start Num: 194

Candidate Starts for Hugley_25:

(143, 22210), (178, 22249), (194, 22282), (Start: 206 @22309 has 12 MA's), (Start: 216 @22318 has 2 MA's), (235, 22360), (243, 22372), (266, 22420), (280, 22441), (290, 22462), (303, 22495), (305, 22498), (316, 22540), (334, 22576), (355, 22627), (372, 22675), (397, 22738), (409, 22768), (439, 22819), (507, 22897),

Gene: Hydrus_31 Start: 22825, Stop: 23613, Start Num: 193

Candidate Starts for Hydrus_31:

(Start: 193 @22825 has 58 MA's), (227, 22900), (231, 22912), (259, 22966), (261, 22972), (287, 23017), (317, 23113), (326, 23131), (330, 23140), (333, 23149), (335, 23155), (408, 23344), (409, 23347), (414, 23362), (447, 23422), (522, 23569),

Gene: Hyzer_27 Start: 22843, Stop: 23631, Start Num: 165

Candidate Starts for Hyzer_27:

(71, 22639), (102, 22723), (112, 22744), (Start: 165 @22843 has 3 MA's), (182, 22858), (Start: 193 @22885 has 58 MA's), (Start: 197 @22897 has 1 MA's), (205, 22912), (274, 23041), (304, 23092), (317, 23140), (322, 23152), (334, 23182), (335, 23185), (336, 23188), (412, 23365), (422, 23386), (425, 23392), (448, 23428), (511, 23533), (542, 23587), (552, 23611),

Gene: IDyn_18 Start: 7766, Stop: 8506, Start Num: 134

Candidate Starts for IDyn_18:

(Start: 134 @7766 has 3 MA's), (Start: 219 @7826 has 1 MA's), (220, 7829), (225, 7841), (269, 7922), (333, 8072), (340, 8096), (355, 8129), (393, 8225), (405, 8261), (468, 8387), (485, 8423), (517, 8477),

Gene: InLimbo_25 Start: 19442, Stop: 20146, Start Num: 170

Candidate Starts for InLimbo_25:

(Start: 170 @19442 has 3 MA's), (220, 19538), (278, 19628), (293, 19649), (294, 19652), (305, 19676), (309, 19700), (310, 19703), (316, 19718), (334, 19754), (369, 19832), (387, 19859), (402, 19910), (410, 19931), (513, 20108), (528, 20138),

Gene: Inspectinfecti_45 Start: 39424, Stop: 40143, Start Num: 163

Candidate Starts for Inspectinfecti_45:

(Start: 163 @39424 has 47 MA's), (182, 39439), (Start: 197 @39478 has 1 MA's), (226, 39529), (268, 39589), (379, 39808), (384, 39817), (390, 39835), (412, 39895), (454, 39970), (517, 40069), (541,

40108), (549, 40129),

Gene: Invecetra_25 Start: 21541, Stop: 22338, Start Num: 157

Candidate Starts for Invecetra_25:

(86, 21391), (Start: 157 @21541 has 33 MA's), (Start: 165 @21550 has 3 MA's), (Start: 176 @21562 has 3 MA's), (182, 21565), (Start: 193 @21592 has 58 MA's), (Start: 197 @21604 has 1 MA's), (226, 21655), (274, 21748), (301, 21793), (303, 21796), (304, 21799), (322, 21859), (329, 21877), (334, 21889), (335, 21892), (336, 21895), (381, 21985), (412, 22072), (511, 22240), (542, 22294), (552, 22318),

Gene: JCole_22 Start: 18663, Stop: 19364, Start Num: 169

Candidate Starts for JCole_22:

(33, 18249), (34, 18252), (Start: 169 @18663 has 30 MA's), (208, 18729), (Start: 213 @18741 has 29 MA's), (220, 18753), (226, 18768), (232, 18783), (253, 18813), (284, 18852), (303, 18885), (305, 18891), (309, 18915), (310, 18918), (329, 18963), (334, 18969), (338, 18987), (384, 19071), (397, 19119), (410, 19149), (413, 19155), (421, 19176), (437, 19206), (485, 19278), (516, 19332), (528, 19353),

Gene: JKSyngboy_43 Start: 39922, Stop: 40665, Start Num: 159

Candidate Starts for JKSyngboy_43:

(Start: 159 @39922 has 54 MA's), (Start: 176 @39940 has 3 MA's), (198, 39985), (253, 40075), (268, 40105), (280, 40123), (292, 40135), (304, 40165), (309, 40192), (358, 40285), (362, 40297), (430, 40453), (437, 40465), (454, 40492), (474, 40525), (517, 40591), (536, 40618),

Gene: Jabberwocky_44 Start: 41084, Stop: 41818, Start Num: 159

Candidate Starts for Jabberwocky_44:

(122, 41027), (Start: 159 @41084 has 54 MA's), (Start: 176 @41102 has 3 MA's), (226, 41189), (240, 41216), (268, 41264), (280, 41282), (304, 41324), (333, 41402), (358, 41444), (374, 41477), (430, 41612), (454, 41651), (517, 41750), (536, 41777), (551, 41810),

Gene: Jablanski_28 Start: 22900, Stop: 23523, Start Num: 201

Candidate Starts for Jablanski_28:

(Start: 201 @22900 has 7 MA's), (218, 22909), (235, 22951), (254, 22987), (280, 23032), (290, 23053), (303, 23086), (316, 23131), (346, 23203), (355, 23218), (372, 23266), (393, 23311), (397, 23329), (406, 23350), (409, 23359), (439, 23413), (485, 23464), (507, 23491), (511, 23500), (513, 23503),

Gene: Jace_72 Start: 41711, Stop: 42511, Start Num: 172

Candidate Starts for Jace_72:

(Start: 172 @41711 has 1 MA's), (288, 41924), (338, 42038), (379, 42122), (396, 42176), (412, 42209), (417, 42224),

Gene: Jalammah_27 Start: 21946, Stop: 22749, Start Num: 157

Candidate Starts for Jalammah_27:

(Start: 157 @21946 has 33 MA's), (Start: 193 @21994 has 58 MA's), (Start: 197 @22006 has 1 MA's), (205, 22021), (226, 22057), (274, 22150), (304, 22201), (321, 22258), (322, 22261), (329, 22279), (334, 22291), (335, 22294), (336, 22297), (412, 22474), (422, 22495), (425, 22501), (542, 22693), (552, 22717), (561, 22738),

Gene: Jalebi_86 Start: 59669, Stop: 60520, Start Num: 163

Candidate Starts for Jalebi_86:

(Start: 144 @59645 has 1 MA's), (146, 59648), (Start: 163 @59669 has 47 MA's), (Start: 171 @59678 has 14 MA's), (184, 59699), (199, 59741), (202, 59747), (224, 59792), (280, 59897), (287, 59906), (301, 59933), (306, 59945), (316, 59984), (390, 60164), (414, 60230), (417, 60239), (434, 60269),

(451, 60296), (463, 60320), (489, 60374), (515, 60419), (520, 60431), (553, 60497),

Gene: Jalleen_24 Start: 19494, Stop: 20144, Start Num: 199

Candidate Starts for Jalleen_24:

(99, 19293), (Start: 174 @19437 has 60 MA's), (199, 19494), (220, 19533), (253, 19593), (270, 19611), (272, 19614), (284, 19632), (304, 19668), (313, 19704), (320, 19722), (335, 19752), (369, 19827), (410, 19926), (413, 19932), (528, 20136),

Gene: Jambalaya_44 Start: 35970, Stop: 36725, Start Num: 161

Candidate Starts for Jambalaya_44:

(111, 35874), (Start: 161 @35970 has 34 MA's), (203, 36042), (270, 36150), (301, 36195), (373, 36345), (379, 36351), (390, 36378), (405, 36426), (461, 36528), (511, 36612), (549, 36684),

Gene: Jamemuya19_82 Start: 56791, Stop: 57642, Start Num: 163

Candidate Starts for Jamemuya19_82:

(Start: 144 @56767 has 1 MA's), (146, 56770), (Start: 163 @56791 has 47 MA's), (Start: 171 @56800 has 14 MA's), (Start: 179 @56812 has 2 MA's), (184, 56821), (199, 56863), (202, 56869), (224, 56914), (277, 57016), (280, 57019), (301, 57055), (306, 57067), (316, 57106), (329, 57136), (330, 57139), (334, 57151), (335, 57154), (390, 57286), (414, 57352), (417, 57361), (434, 57391), (451, 57418), (462, 57439), (489, 57496), (515, 57541), (553, 57619),

Gene: JasperJr_25 Start: 21156, Stop: 21959, Start Num: 157

Candidate Starts for JasperJr_25:

(Start: 157 @21156 has 33 MA's), (Start: 193 @21204 has 58 MA's), (Start: 197 @21216 has 1 MA's), (205, 21231), (226, 21267), (274, 21360), (304, 21411), (321, 21468), (322, 21471), (329, 21489), (334, 21501), (335, 21504), (336, 21507), (412, 21684), (422, 21705), (425, 21711), (519, 21867), (542, 21903), (552, 21927), (561, 21948),

Gene: JeanGrey_131 Start: 99191, Stop: 99985, Start Num: 193

Candidate Starts for JeanGrey_131:

(187, 99176), (Start: 193 @99191 has 58 MA's), (225, 99260), (259, 99323), (320, 99482), (331, 99506), (335, 99518), (381, 99623), (405, 99698), (414, 99725), (434, 99767), (449, 99788), (457, 99803), (522, 99935), (539, 99959), (543, 99968),

Gene: Jecs_27 Start: 21746, Stop: 22459, Start Num: 174

Candidate Starts for Jecs_27:

(Start: 132 @21689 has 3 MA's), (Start: 174 @21746 has 60 MA's), (220, 21839), (226, 21854), (249, 21890), (253, 21899), (293, 21950), (305, 21977), (309, 22001), (337, 22064), (338, 22073), (379, 22148), (405, 22223), (410, 22235), (413, 22241),

Gene: JellyBelly_42 Start: 35092, Stop: 35814, Start Num: 173

Candidate Starts for JellyBelly_42:

(23, 34513), (Start: 173 @35092 has 14 MA's), (253, 35248), (256, 35254), (293, 35299), (303, 35323), (313, 35362), (316, 35371), (320, 35380), (334, 35407), (335, 35410), (397, 35557), (410, 35587), (413, 35593), (475, 35704), (488, 35728), (516, 35779), (524, 35794),

Gene: Jifall16_18 Start: 8868, Stop: 9593, Start Num: 130

Candidate Starts for Jifall16_18:

(Start: 130 @8868 has 24 MA's), (Start: 157 @8892 has 33 MA's), (187, 8925), (220, 8928), (239, 8964), (248, 8979), (269, 9021), (333, 9168), (405, 9360), (457, 9462), (475, 9492), (485, 9513), (497, 9528), (529, 9588),

Gene: Jodelie19_31 Start: 23744, Stop: 24532, Start Num: 193

Candidate Starts for Jodelie19_31:

(Start: 193 @23744 has 58 MA's), (214, 23789), (227, 23819), (231, 23831), (259, 23885), (317, 24032), (335, 24074), (367, 24158), (408, 24263), (409, 24266), (447, 24341), (522, 24488),

Gene: JohnPork_45 Start: 35691, Stop: 36446, Start Num: 161

Candidate Starts for JohnPork_45:

(111, 35595), (Start: 161 @35691 has 34 MA's), (203, 35763), (226, 35799), (270, 35871), (373, 36066), (379, 36072), (390, 36099), (461, 36249), (511, 36333), (549, 36405),

Gene: Jojo24_48 Start: 32326, Stop: 33183, Start Num: 148

Candidate Starts for Jojo24_48:

(2, 30784), (6, 31171), (7, 31207), (11, 31291), (12, 31480), (14, 31555), (17, 31585), (20, 31714), (64, 32113), (94, 32212), (98, 32221), (108, 32251), (120, 32281), (124, 32290), (Start: 127 @32296 has 1 MA's), (Start: 148 @32326 has 7 MA's), (247, 32509), (318, 32677), (335, 32710), (336, 32713), (347, 32746), (356, 32767), (378, 32821), (381, 32827), (412, 32914), (469, 33025), (470, 33028), (474, 33034), (492, 33070), (508, 33097), (546, 33172),

Gene: JuJu_26 Start: 21224, Stop: 22018, Start Num: 154

Candidate Starts for JuJu_26:

(Start: 154 @21224 has 6 MA's), (Start: 193 @21266 has 58 MA's), (Start: 197 @21278 has 1 MA's), (226, 21329), (274, 21422), (304, 21473), (321, 21530), (322, 21533), (329, 21551), (334, 21563), (335, 21566), (336, 21569), (412, 21746), (422, 21767), (542, 21965), (552, 21989), (561, 22007),

Gene: JulesRay_27 Start: 19348, Stop: 20133, Start Num: 193

Candidate Starts for JulesRay_27:

(Start: 193 @19348 has 58 MA's), (214, 19393), (259, 19489), (261, 19495), (316, 19633), (331, 19666), (335, 19678), (408, 19867), (409, 19870), (447, 19945), (522, 20092),

Gene: Jumbo_41 Start: 43925, Stop: 44704, Start Num: 195

Candidate Starts for Jumbo_41:

(Start: 195 @43925 has 2 MA's), (222, 43979), (242, 44015), (289, 44117), (295, 44138), (305, 44162), (335, 44240), (368, 44330), (381, 44348), (400, 44411), (412, 44441), (427, 44477), (459, 44528),

Gene: Kabluna_21 Start: 8839, Stop: 9630, Start Num: 135

Candidate Starts for Kabluna_21:

(Start: 135 @8839 has 17 MA's), (180, 8884), (211, 8947), (Start: 216 @8959 has 2 MA's), (Start: 219 @8965 has 1 MA's), (225, 8980), (239, 9004), (245, 9013), (269, 9061), (290, 9097), (333, 9208), (338, 9229), (347, 9250), (475, 9535), (485, 9556), (491, 9565), (497, 9571), (515, 9604),

Gene: Kabocha_32 Start: 22381, Stop: 23079, Start Num: 135

Candidate Starts for Kabocha_32:

(Start: 125 @22363 has 1 MA's), (Start: 135 @22381 has 17 MA's), (Start: 219 @22444 has 1 MA's), (233, 22480), (271, 22540), (280, 22552), (290, 22573), (303, 22606), (310, 22636), (311, 22639), (324, 22660), (326, 22666), (328, 22672), (336, 22693), (381, 22798), (384, 22807), (406, 22876), (409, 22882), (426, 22918), (433, 22930), (475, 22969), (485, 22990), (524, 23059), (533, 23071), (535, 23074),

Gene: Kamaru_28 Start: 21606, Stop: 22229, Start Num: 213

Candidate Starts for Kamaru_28:

(51, 21231), (66, 21288), (76, 21333), (99, 21387), (100, 21390), (117, 21426), (Start: 130 @21471 has 24 MA's), (133, 21474), (Start: 213 @21606 has 29 MA's), (Start: 216 @21612 has 2 MA's), (229, 21642), (235, 21657), (266, 21717), (306, 21798), (316, 21837), (346, 21909), (372, 21972), (393, 22017), (397, 22035), (406, 22056), (409, 22065), (507, 22197), (511, 22206), (516, 22218),

Gene: Kamashten_43 Start: 39019, Stop: 39753, Start Num: 159

Candidate Starts for Kamashten_43:

(122, 38962), (Start: 159 @39019 has 54 MA's), (Start: 176 @39037 has 3 MA's), (226, 39124), (240, 39151), (268, 39199), (280, 39217), (304, 39259), (333, 39337), (358, 39379), (374, 39412), (430, 39547), (454, 39586), (517, 39685), (536, 39712), (551, 39745),

Gene: Kampe_40 Start: 40828, Stop: 41550, Start Num: 196

Candidate Starts for Kampe_40:

(Start: 196 @40828 has 5 MA's), (222, 40882), (272, 40975), (304, 41056), (311, 41089), (346, 41167), (412, 41329), (456, 41389), (514, 41503),

Gene: KappaFarmDelta_27 Start: 21652, Stop: 22440, Start Num: 154

Candidate Starts for KappaFarmDelta_27:

(29, 21259), (50, 21388), (76, 21499), (90, 21526), (103, 21562), (Start: 154 @21652 has 6 MA's), (Start: 193 @21694 has 58 MA's), (Start: 197 @21706 has 1 MA's), (226, 21757), (274, 21850), (304, 21901), (317, 21949), (321, 21958), (322, 21961), (329, 21979), (334, 21991), (335, 21994), (336, 21997), (412, 22174), (422, 22195), (542, 22393), (552, 22417),

Gene: Keitabear_45 Start: 40674, Stop: 41408, Start Num: 159

Candidate Starts for Keitabear_45:

(149, 40668), (Start: 159 @40674 has 54 MA's), (Start: 176 @40692 has 3 MA's), (226, 40779), (240, 40806), (268, 40854), (280, 40872), (304, 40914), (333, 40992), (358, 41034), (374, 41067), (430, 41202), (454, 41241), (517, 41340), (536, 41367), (551, 41400),

Gene: Kenna_27 Start: 21499, Stop: 22122, Start Num: 213

Candidate Starts for Kenna_27:

(51, 21124), (66, 21181), (76, 21226), (99, 21280), (100, 21283), (117, 21319), (Start: 130 @21364 has 24 MA's), (133, 21367), (Start: 213 @21499 has 29 MA's), (Start: 216 @21505 has 2 MA's), (229, 21535), (235, 21550), (266, 21610), (303, 21685), (316, 21730), (334, 21766), (346, 21802), (372, 21865), (393, 21910), (397, 21928), (406, 21949), (413, 21970), (507, 22090), (511, 22099), (516, 22111),

Gene: Kenosha_30 Start: 22860, Stop: 23648, Start Num: 193

Candidate Starts for Kenosha_30:

(Start: 193 @22860 has 58 MA's), (214, 22905), (231, 22947), (259, 23001), (261, 23007), (294, 23082), (333, 23184), (408, 23379), (409, 23382), (414, 23397), (447, 23457), (460, 23484), (522, 23604),

Gene: Kerry_27 Start: 19428, Stop: 20213, Start Num: 193

Candidate Starts for Kerry_27:

(Start: 193 @19428 has 58 MA's), (199, 19443), (222, 19491), (236, 19524), (259, 19569), (261, 19575), (316, 19713), (331, 19746), (335, 19758), (408, 19947), (409, 19950), (447, 20025), (460, 20052), (522, 20172),

Gene: Kewpiedoll_45 Start: 39960, Stop: 40694, Start Num: 159

Candidate Starts for Kewpiedoll_45:

(122, 39903), (Start: 159 @39960 has 54 MA's), (Start: 176 @39978 has 3 MA's), (226, 40065), (240, 40092), (268, 40140), (280, 40158), (304, 40200), (333, 40278), (358, 40320), (374, 40353), (430, 40488), (454, 40527), (517, 40626), (536, 40653), (551, 40686),

Gene: KidneyBean_19 Start: 9147, Stop: 9872, Start Num: 130

Candidate Starts for KidneyBean_19:

(Start: 130 @9147 has 24 MA's), (Start: 157 @9171 has 33 MA's), (187, 9204), (220, 9207), (239, 9243), (248, 9258), (269, 9300), (333, 9447), (405, 9639), (457, 9741), (475, 9771), (485, 9792), (497, 9807), (529, 9867),

Gene: Kiko_27 Start: 21413, Stop: 22117, Start Num: 170

Candidate Starts for Kiko_27:

(Start: 170 @21413 has 3 MA's), (208, 21482), (220, 21506), (253, 21566), (278, 21596), (284, 21605), (303, 21638), (309, 21668), (310, 21671), (320, 21695), (334, 21722), (348, 21761), (384, 21824), (397, 21872), (410, 21902), (413, 21908), (421, 21929), (437, 21959),

Gene: KimmyK_45 Start: 36905, Stop: 37660, Start Num: 161

Candidate Starts for KimmyK_45:

(119, 36827), (Start: 161 @36905 has 34 MA's), (203, 36977), (270, 37085), (301, 37130), (373, 37280), (379, 37286), (390, 37313), (405, 37361), (461, 37463), (511, 37547), (549, 37619),

Gene: Kita_27 Start: 22303, Stop: 22923, Start Num: 207

Candidate Starts for Kita_27:

(49, 21928), (99, 22099), (100, 22102), (Start: 130 @22183 has 24 MA's), (143, 22204), (Start: 207 @22303 has 17 MA's), (Start: 216 @22312 has 2 MA's), (235, 22357), (280, 22438), (316, 22537), (334, 22573), (355, 22624), (372, 22672), (397, 22735), (409, 22765), (439, 22816), (485, 22867), (507, 22894),

Gene: Kroos_46 Start: 40063, Stop: 40806, Start Num: 159

Candidate Starts for Kroos_46:

(Start: 159 @40063 has 54 MA's), (Start: 176 @40081 has 3 MA's), (198, 40126), (226, 40171), (268, 40246), (280, 40264), (304, 40306), (309, 40333), (358, 40426), (362, 40438), (430, 40594), (437, 40606), (454, 40633), (474, 40666), (517, 40732), (536, 40759),

Gene: Kudfre_120 Start: 65328, Stop: 66050, Start Num: 173

Candidate Starts for Kudfre_120:

(Start: 173 @65328 has 14 MA's), (Start: 196 @65376 has 5 MA's), (212, 65403), (Start: 219 @65418 has 1 MA's), (304, 65550), (329, 65619), (392, 65760), (402, 65790), (444, 65862), (495, 65934), (552, 66033), (554, 66036),

Gene: Kurt_19 Start: 9384, Stop: 10109, Start Num: 130

Candidate Starts for Kurt_19:

(Start: 130 @9384 has 24 MA's), (Start: 157 @9408 has 33 MA's), (187, 9441), (220, 9444), (239, 9480), (248, 9495), (269, 9537), (333, 9684), (405, 9876), (457, 9978), (475, 10008), (485, 10029), (497, 10044), (529, 10104),

Gene: Kuwabara_27 Start: 20925, Stop: 21548, Start Num: 213

Candidate Starts for Kuwabara_27:

(51, 20550), (66, 20607), (76, 20652), (99, 20706), (100, 20709), (117, 20745), (Start: 130 @20790 has 24 MA's), (133, 20793), (Start: 213 @20925 has 29 MA's), (Start: 216 @20931 has 2 MA's), (229, 20961), (235, 20976), (266, 21036), (303, 21111), (316, 21156), (334, 21192), (346, 21228), (372, 21291), (397, 21354), (406, 21375), (409, 21384), (445, 21441), (507, 21516), (511, 21525),

Gene: Kwobi_47 Start: 40049, Stop: 40792, Start Num: 159

Candidate Starts for Kwobi_47:

(Start: 159 @40049 has 54 MA's), (Start: 176 @40067 has 3 MA's), (198, 40112), (226, 40157), (268, 40232), (280, 40250), (292, 40262), (304, 40292), (309, 40319), (358, 40412), (362, 40424), (430, 40580), (437, 40592), (454, 40619), (474, 40652), (517, 40718), (536, 40745),

Gene: Lamberg_23 Start: 18707, Stop: 19408, Start Num: 174

Candidate Starts for Lamberg_23:

(Start: 158 @18689 has 1 MA's), (Start: 161 @18692 has 34 MA's), (Start: 174 @18707 has 60 MA's), (220, 18800), (226, 18815), (249, 18851), (303, 18932), (310, 18965), (313, 18971), (334, 19016), (348, 19055), (410, 19193), (413, 19199), (422, 19223), (430, 19238), (528, 19400),

Gene: Lambo_86 Start: 58781, Stop: 59629, Start Num: 163

Candidate Starts for Lambo_86:

(Start: 144 @58757 has 1 MA's), (146, 58760), (152, 58769), (Start: 163 @58781 has 47 MA's), (Start: 179 @58799 has 2 MA's), (184, 58808), (199, 58850), (202, 58856), (224, 58901), (280, 59006), (301, 59042), (306, 59054), (329, 59123), (330, 59126), (334, 59138), (390, 59273), (414, 59339), (417, 59348), (434, 59378), (462, 59426), (463, 59429), (489, 59483), (515, 59528), (520, 59540), (553, 59606),

Gene: LavAbarElk_86 Start: 57842, Stop: 58693, Start Num: 163

Candidate Starts for LavAbarElk_86:

(Start: 144 @57818 has 1 MA's), (146, 57821), (Start: 163 @57842 has 47 MA's), (Start: 171 @57851 has 14 MA's), (184, 57872), (199, 57914), (202, 57920), (280, 58070), (287, 58079), (301, 58106), (306, 58118), (316, 58157), (390, 58337), (414, 58403), (417, 58412), (434, 58442), (451, 58469), (463, 58493), (489, 58547), (515, 58592), (520, 58604), (553, 58670),

Gene: Lennon_45 Start: 40763, Stop: 41497, Start Num: 159

Candidate Starts for Lennon_45:

(122, 40706), (Start: 159 @40763 has 54 MA's), (Start: 176 @40781 has 3 MA's), (226, 40868), (240, 40895), (268, 40943), (280, 40961), (304, 41003), (333, 41081), (358, 41123), (374, 41156), (430, 41291), (454, 41330), (517, 41429), (536, 41456), (551, 41489),

Gene: Lenoshki_31 Start: 23245, Stop: 23943, Start Num: 135

Candidate Starts for Lenoshki_31:

(Start: 125 @23227 has 1 MA's), (Start: 135 @23245 has 17 MA's), (Start: 219 @23308 has 1 MA's), (233, 23344), (280, 23416), (290, 23437), (303, 23470), (310, 23500), (311, 23503), (324, 23524), (326, 23530), (328, 23536), (336, 23557), (381, 23662), (384, 23671), (406, 23740), (409, 23746), (426, 23782), (433, 23794), (475, 23833), (524, 23923), (533, 23935), (535, 23938),

Gene: Leonard_44 Start: 39063, Stop: 39782, Start Num: 163

Candidate Starts for Leonard_44:

(Start: 163 @39063 has 47 MA's), (182, 39078), (Start: 197 @39117 has 1 MA's), (221, 39156), (226, 39168), (252, 39207), (268, 39228), (379, 39447), (384, 39456), (390, 39474), (395, 39495), (412, 39534), (454, 39609), (517, 39708), (541, 39747), (549, 39768),

Gene: Leroy_28 Start: 21524, Stop: 22147, Start Num: 213

Candidate Starts for Leroy_28:

(51, 21149), (66, 21206), (76, 21251), (99, 21305), (100, 21308), (117, 21344), (Start: 130 @21389 has 24 MA's), (133, 21392), (Start: 213 @21524 has 29 MA's), (Start: 216 @21530 has 2 MA's), (229, 21560), (235, 21575), (266, 21635), (306, 21716), (316, 21755), (346, 21827), (372, 21890), (393, 21935), (397, 21953), (406, 21974), (409, 21983), (507, 22115), (511, 22124), (516, 22136),

Gene: Ligma_42 Start: 35273, Stop: 35995, Start Num: 173

Candidate Starts for Ligma_42:

(32, 34883), (66, 35060), (102, 35168), (Start: 173 @35273 has 14 MA's), (256, 35435), (293, 35480), (313, 35543), (320, 35561), (334, 35588), (369, 35666), (371, 35669), (397, 35738), (410, 35768), (413, 35774), (518, 35963),

Gene: LilHam_43 Start: 38650, Stop: 39393, Start Num: 159

Candidate Starts for LilHam_43:

(Start: 159 @38650 has 54 MA's), (Start: 176 @38668 has 3 MA's), (198, 38713), (226, 38758), (268, 38833), (280, 38851), (304, 38893), (358, 39013), (362, 39025), (414, 39145), (430, 39181), (437, 39193), (454, 39220), (474, 39253), (495, 39286), (517, 39319), (536, 39346),

Gene: LilJank_113 Start: 66997, Stop: 67728, Start Num: 169

Candidate Starts for LilJank_113:

(Start: 169 @66997 has 30 MA's), (182, 67012), (199, 67057), (204, 67066), (223, 67105), (239, 67141), (284, 67195), (311, 67261), (342, 67327), (353, 67348), (379, 67405), (430, 67525), (458, 67561), (465, 67570), (478, 67585), (558, 67720),

Gene: Lila22_87 Start: 59144, Stop: 59992, Start Num: 163

Candidate Starts for Lila22_87:

(Start: 144 @59120 has 1 MA's), (146, 59123), (149, 59129), (Start: 163 @59144 has 47 MA's), (Start: 179 @59162 has 2 MA's), (184, 59171), (199, 59213), (202, 59219), (224, 59264), (280, 59369), (301, 59405), (306, 59417), (329, 59486), (330, 59489), (334, 59501), (390, 59636), (414, 59702), (417, 59711), (434, 59741), (462, 59789), (463, 59792), (489, 59846), (515, 59891), (520, 59903), (553, 59969),

Gene: Lilas_27 Start: 22035, Stop: 22775, Start Num: 144

Candidate Starts for Lilas_27:

(Start: 142 @22032 has 1 MA's), (Start: 144 @22035 has 1 MA's), (Start: 169 @22059 has 30 MA's), (184, 22077), (208, 22131), (253, 22215), (284, 22254), (304, 22290), (309, 22317), (334, 22371), (338, 22389), (384, 22482), (410, 22560), (413, 22566), (516, 22743), (527, 22761),

Gene: Lilbeanie_44 Start: 35096, Stop: 35851, Start Num: 165

Candidate Starts for Lilbeanie_44:

(133, 35048), (Start: 165 @35096 has 3 MA's), (182, 35111), (Start: 197 @35150 has 1 MA's), (204, 35162), (205, 35165), (281, 35306), (304, 35345), (316, 35390), (358, 35471), (390, 35540), (401, 35576), (412, 35600),

Gene: LilyPad_89 Start: 63022, Stop: 63735, Start Num: 174

Candidate Starts for LilyPad_89:

(Start: 174 @63022 has 60 MA's), (311, 63301), (320, 63322), (401, 63517), (431, 63580), (439, 63592), (476, 63643), (511, 63700), (513, 63703), (523, 63724),

Gene: LitninMcQueen_27 Start: 21255, Stop: 21878, Start Num: 213

Candidate Starts for LitninMcQueen_27:

(51, 20880), (66, 20937), (76, 20982), (99, 21036), (100, 21039), (117, 21075), (Start: 130 @21120 has 24 MA's), (133, 21123), (Start: 213 @21255 has 29 MA's), (Start: 216 @21261 has 2 MA's), (229, 21291), (235, 21306), (266, 21366), (316, 21486), (346, 21558), (372, 21621), (393, 21666), (397, 21684), (406, 21705), (409, 21714), (507, 21846), (511, 21855), (516, 21867),

Gene: LittleFella_91 Start: 63267, Stop: 63962, Start Num: 174

Candidate Starts for LittleFella_91:

(Start: 157 @63252 has 33 MA's), (Start: 169 @63258 has 30 MA's), (Start: 174 @63267 has 60 MA's), (182, 63279), (185, 63285), (200, 63321), (210, 63336), (Start: 213 @63345 has 29 MA's), (239, 63402), (270, 63450), (300, 63501), (306, 63513), (327, 63579), (381, 63687), (383, 63690), (397, 63744), (406, 63765), (441, 63825), (463, 63846), (468, 63855), (473, 63864), (477, 63870), (523, 63951),

Gene: LittleMunchkin_44 Start: 38558, Stop: 39280, Start Num: 171

Candidate Starts for LittleMunchkin_44:

(75, 38360), (99, 38423), (102, 38432), (Start: 171 @38558 has 14 MA's), (253, 38717), (256, 38723), (278, 38747), (293, 38768), (298, 38783), (313, 38831), (335, 38879), (371, 38954), (397, 39023), (410, 39053), (439, 39113), (469, 39161), (524, 39260),

Gene: Lollipop1437_23 Start: 10516, Stop: 11289, Start Num: 130

Candidate Starts for Lollipop1437_23:

(Start: 130 @10516 has 24 MA's), (Start: 219 @10624 has 1 MA's), (220, 10627), (248, 10678), (269, 10720), (316, 10834), (338, 10888), (485, 11209), (517, 11263),

Gene: LonelyBoi_27 Start: 22523, Stop: 23143, Start Num: 213

Candidate Starts for LonelyBoi_27:

(Start: 160 @22436 has 2 MA's), (Start: 213 @22523 has 29 MA's), (Start: 216 @22529 has 2 MA's), (229, 22559), (235, 22574), (237, 22577), (254, 22610), (280, 22655), (303, 22709), (316, 22754), (346, 22826), (372, 22889), (397, 22952), (439, 23033), (507, 23111), (511, 23120), (513, 23123),

Gene: LordFarquaad_24 Start: 19791, Stop: 20498, Start Num: 174

Candidate Starts for LordFarquaad_24:

(99, 19647), (Start: 174 @19791 has 60 MA's), (199, 19848), (220, 19887), (253, 19947), (270, 19965), (272, 19968), (284, 19986), (304, 20022), (305, 20025), (313, 20058), (320, 20076), (334, 20103), (369, 20181), (397, 20250), (410, 20280), (413, 20286), (528, 20490),

Gene: Love_49 Start: 41211, Stop: 41945, Start Num: 159

Candidate Starts for Love_49:

(89, 41064), (122, 41154), (Start: 159 @41211 has 54 MA's), (Start: 176 @41229 has 3 MA's), (226, 41316), (240, 41343), (268, 41391), (280, 41409), (304, 41451), (333, 41529), (358, 41571), (374, 41604), (430, 41739), (454, 41778), (517, 41877), (536, 41904), (551, 41937),

Gene: Lton_23 Start: 18736, Stop: 19437, Start Num: 174

Candidate Starts for Lton_23:

(Start: 158 @18718 has 1 MA's), (Start: 161 @18721 has 34 MA's), (Start: 174 @18736 has 60 MA's), (226, 18844), (249, 18880), (303, 18961), (310, 18994), (313, 19000), (334, 19045), (348, 19084), (410, 19222), (413, 19228), (443, 19285), (528, 19429),

Gene: Lucky10_24 Start: 19603, Stop: 20307, Start Num: 174

Candidate Starts for Lucky10_24:

(Start: 174 @19603 has 60 MA's), (199, 19660), (220, 19699), (278, 19789), (293, 19810), (294, 19813), (305, 19837), (309, 19861), (310, 19864), (316, 19879), (334, 19915), (369, 19993), (387, 20020), (402, 20071), (410, 20092), (513, 20269), (528, 20299),

Gene: LuckyLeo_84 Start: 58457, Stop: 59287, Start Num: 179

Candidate Starts for LuckyLeo_84:

(Start: 144 @58415 has 1 MA's), (146, 58418), (152, 58427), (Start: 163 @58439 has 47 MA's), (Start: 179 @58457 has 2 MA's), (184, 58466), (Start: 193 @58490 has 58 MA's), (199, 58508), (226, 58565), (301, 58700), (311, 58739), (316, 58751), (330, 58784), (334, 58796), (341, 58817), (381, 58904), (390, 58931), (419, 59009), (434, 59036), (438, 59042), (449, 59057), (451, 59063), (489, 59141), (510, 59177), (555, 59267),

Gene: Luthien_31 Start: 22308, Stop: 23096, Start Num: 193

Candidate Starts for Luthien_31:

(Start: 193 @22308 has 58 MA's), (214, 22353), (227, 22383), (259, 22449), (317, 22596), (333, 22632), (335, 22638), (408, 22827), (409, 22830), (434, 22887), (447, 22905), (460, 22932), (522, 23052),

Gene: Lutum_28 Start: 21499, Stop: 22122, Start Num: 213

Candidate Starts for Lutum_28:

(51, 21124), (66, 21181), (76, 21226), (99, 21280), (100, 21283), (117, 21319), (Start: 130 @21364 has 24 MA's), (133, 21367), (Start: 213 @21499 has 29 MA's), (Start: 216 @21505 has 2 MA's), (229, 21535), (235, 21550), (266, 21610), (303, 21685), (316, 21730), (334, 21766), (346, 21802), (372, 21865), (393, 21910), (397, 21928), (406, 21949), (413, 21970), (507, 22090), (511, 22099), (516, 22111),

Gene: Lysidious_26 Start: 21676, Stop: 22476, Start Num: 157

Candidate Starts for Lysidious_26:

(Start: 157 @21676 has 33 MA's), (Start: 193 @21724 has 58 MA's), (Start: 197 @21736 has 1 MA's), (205, 21751), (226, 21787), (274, 21880), (303, 21928), (304, 21931), (317, 21979), (322, 21991), (329, 22009), (334, 22021), (335, 22024), (336, 22027), (412, 22204), (422, 22225), (425, 22231), (542, 22423), (552, 22447),

Gene: MacGully_23 Start: 9496, Stop: 10359, Start Num: 153

Candidate Starts for MacGully_23:

(40, 9142), (47, 9184), (Start: 153 @9496 has 7 MA's), (192, 9559), (Start: 196 @9574 has 5 MA's), (250, 9679), (255, 9691), (267, 9712), (305, 9802), (310, 9829), (325, 9853), (336, 9883), (345, 9904), (379, 9979), (409, 10066), (430, 10111), (472, 10183), (477, 10189), (483, 10201), (542, 10282), (554, 10315), (560, 10327),

Gene: Madavieve_25 Start: 22640, Stop: 23206, Start Num: 235

Candidate Starts for Madavieve_25:

(143, 22490), (178, 22529), (194, 22562), (Start: 206 @22589 has 12 MA's), (235, 22640), (243, 22652), (266, 22700), (280, 22721), (290, 22742), (303, 22775), (316, 22820), (334, 22856), (335, 22859), (355, 22907), (397, 23018), (409, 23048), (439, 23099), (507, 23177),

Gene: Madeline_25 Start: 22607, Stop: 23224, Start Num: 206

Candidate Starts for Madeline_25:

(143, 22508), (178, 22547), (194, 22580), (Start: 206 @22607 has 12 MA's), (Start: 216 @22616 has 2 MA's), (235, 22658), (243, 22670), (266, 22718), (280, 22739), (290, 22760), (303, 22793), (316, 22838), (334, 22874), (335, 22877), (355, 22925), (397, 23036), (409, 23066), (439, 23117), (507, 23195),

Gene: Madi_94 Start: 65302, Stop: 66018, Start Num: 174

Candidate Starts for Madi_94:

(Start: 174 @65302 has 60 MA's), (311, 65584), (329, 65629), (383, 65740), (428, 65857), (431, 65863), (452, 65896), (463, 65905), (476, 65926), (485, 65944), (511, 65983), (513, 65986), (523, 66007),

Gene: Madvan_30 Start: 22092, Stop: 22880, Start Num: 193

Candidate Starts for Madvan_30:

(Start: 193 @22092 has 58 MA's), (214, 22137), (227, 22167), (231, 22179), (259, 22233), (261, 22239), (287, 22284), (317, 22380), (326, 22398), (330, 22407), (335, 22422), (408, 22611), (409, 22614), (414, 22629), (447, 22689), (460, 22716), (522, 22836),

Gene: Magel_27 Start: 19428, Stop: 20213, Start Num: 193

Candidate Starts for Magel_27:

(Start: 193 @19428 has 58 MA's), (199, 19443), (222, 19491), (236, 19524), (259, 19569), (261, 19575), (316, 19713), (331, 19746), (335, 19758), (408, 19947), (409, 19950), (447, 20025), (460, 20052), (522, 20172),

Gene: MagicMan_26 Start: 21754, Stop: 22467, Start Num: 174

Candidate Starts for MagicMan_26:

(Start: 132 @21697 has 3 MA's), (Start: 174 @21754 has 60 MA's), (220, 21847), (226, 21862), (253, 21907), (305, 21985), (309, 22009), (337, 22072), (338, 22081), (379, 22156), (405, 22231), (410, 22243), (413, 22249), (485, 22384),

Gene: Mahdia_35 Start: 27405, Stop: 28184, Start Num: 169

Candidate Starts for Mahdia_35:

(Start: 169 @27405 has 30 MA's), (Start: 174 @27414 has 60 MA's), (Start: 196 @27459 has 5 MA's), (230, 27522), (264, 27579), (278, 27600), (286, 27609), (288, 27612), (296, 27624), (309, 27672), (310, 27675), (319, 27696), (320, 27699), (333, 27732), (440, 27966), (456, 27993), (547, 28134), (557, 28155), (558, 28158),

Gene: MajinBuu_30 Start: 22315, Stop: 23103, Start Num: 193

Candidate Starts for MajinBuu_30:

(Start: 193 @22315 has 58 MA's), (214, 22360), (227, 22390), (231, 22402), (259, 22456), (317, 22603), (330, 22630), (335, 22645), (367, 22729), (408, 22834), (409, 22837), (447, 22912), (522, 23059),

Gene: MakCheese_31 Start: 25868, Stop: 26623, Start Num: 193

Candidate Starts for MakCheese_31:

(Start: 160 @25817 has 2 MA's), (Start: 168 @25826 has 15 MA's), (Start: 176 @25838 has 3 MA's), (182, 25841), (Start: 193 @25868 has 58 MA's), (Start: 197 @25880 has 1 MA's), (215, 25904), (226, 25931), (274, 26024), (303, 26072), (304, 26075), (305, 26078), (322, 26135), (329, 26153), (334, 26165), (335, 26168), (336, 26171), (381, 26261), (412, 26348), (430, 26384), (448, 26411), (511, 26516), (542, 26570), (552, 26594),

Gene: MakoManhole_45 Start: 37571, Stop: 38293, Start Num: 171

Candidate Starts for MakoManhole_45:

(78, 37385), (Start: 171 @37571 has 14 MA's), (Start: 219 @37664 has 1 MA's), (256, 37733), (282, 37760), (285, 37766), (334, 37880), (376, 37964), (410, 38057), (422, 38087),

Gene: Malachai_26 Start: 21633, Stop: 22436, Start Num: 157

Candidate Starts for Malachai_26:

(Start: 157 @21633 has 33 MA's), (Start: 193 @21681 has 58 MA's), (Start: 197 @21693 has 1 MA's), (205, 21708), (226, 21744), (274, 21837), (304, 21888), (321, 21945), (322, 21948), (329, 21966), (334, 21978), (335, 21981), (336, 21984), (412, 22161), (422, 22182), (425, 22188), (519, 22344), (542, 22380), (552, 22404), (561, 22425),

Gene: Malibo_27 Start: 21379, Stop: 21999, Start Num: 206

Candidate Starts for Malibo_27:

(Start: 206 @21379 has 12 MA's), (215, 21385), (235, 21430), (243, 21442), (290, 21532), (303, 21565), (316, 21610), (335, 21649), (355, 21697), (361, 21718), (397, 21808), (409, 21838), (439, 21889), (507, 21967),

Gene: Malisha_30 Start: 24037, Stop: 24663, Start Num: 207

Candidate Starts for Malisha_30:

(Start: 207 @24037 has 17 MA's), (235, 24091), (250, 24118), (266, 24151), (280, 24172), (303, 24226), (308, 24244), (334, 24307), (335, 24310), (336, 24313), (346, 24343), (372, 24406), (397, 24469), (409, 24499), (507, 24631), (511, 24640),

Gene: Manasvini_27 Start: 22303, Stop: 22923, Start Num: 207

Candidate Starts for Manasvini_27:

(49, 21928), (99, 22099), (100, 22102), (Start: 130 @22183 has 24 MA's), (143, 22204), (Start: 207 @22303 has 17 MA's), (Start: 216 @22312 has 2 MA's), (235, 22357), (280, 22438), (316, 22537), (334, 22573), (355, 22624), (372, 22672), (397, 22735), (409, 22765), (439, 22816), (485, 22867), (507, 22894),

Gene: Mareelih_179 Start: 104936, Stop: 104220, Start Num: 173

Candidate Starts for Mareelih_179:

(Start: 173 @104936 has 14 MA's), (200, 104879), (300, 104696), (320, 104636), (350, 104567), (357, 104549), (390, 104474), (393, 104462), (396, 104447), (397, 104444), (406, 104423), (408, 104417), (416, 104402), (476, 104315), (485, 104297), (498, 104279), (511, 104255), (523, 104231),

Gene: Margaret_51 Start: 35131, Stop: 34277, Start Num: 130

Candidate Starts for Margaret_51:

(52, 35368), (87, 35245), (Start: 123 @35146 has 1 MA's), (Start: 130 @35131 has 24 MA's), (139, 35113), (175, 35065), (183, 35053), (Start: 213 @34984 has 29 MA's), (Start: 216 @34978 has 2 MA's), (228, 34951), (235, 34933), (271, 34864), (276, 34852), (279, 34849), (299, 34801), (312, 34756), (359, 34645), (364, 34630), (381, 34591), (392, 34555), (395, 34543), (417, 34483), (419, 34480), (494, 34339), (509, 34318),

Gene: Maridalia_26 Start: 22303, Stop: 22923, Start Num: 207

Candidate Starts for Maridalia_26:

(49, 21928), (99, 22099), (100, 22102), (Start: 130 @22183 has 24 MA's), (143, 22204), (Start: 207 @22303 has 17 MA's), (Start: 216 @22312 has 2 MA's), (235, 22357), (280, 22438), (316, 22537), (334, 22573), (355, 22624), (372, 22672), (397, 22735), (409, 22765), (439, 22816), (485, 22867), (507, 22894),

Gene: Marietta_19 Start: 7689, Stop: 8432, Start Num: 190

Candidate Starts for Marietta_19:

(117, 7560), (188, 7686), (Start: 190 @7689 has 2 MA's), (Start: 219 @7752 has 1 MA's), (220, 7755), (225, 7767), (269, 7848), (333, 7998), (340, 8022), (355, 8055), (405, 8187), (462, 8301), (468, 8313), (485, 8349), (517, 8403),

Gene: Mariokart_42 Start: 35106, Stop: 35828, Start Num: 173

Candidate Starts for Mariokart_42:

(1, 33240), (3, 33684), (4, 33756), (5, 33807), (9, 33999), (13, 34224), (23, 34527), (Start: 173 @35106 has 14 MA's), (253, 35262), (256, 35268), (293, 35313), (303, 35337), (313, 35376), (316, 35385), (320, 35394), (334, 35421), (335, 35424), (397, 35571), (410, 35601), (413, 35607), (475, 35718), (488, 35742), (516, 35793), (524, 35808),

Gene: Marteena_27 Start: 21910, Stop: 22626, Start Num: 169

Candidate Starts for Marteena_27:

(Start: 142 @21883 has 1 MA's), (Start: 144 @21886 has 1 MA's), (Start: 169 @21910 has 30 MA's), (184, 21928), (208, 21982), (253, 22066), (284, 22105), (304, 22141), (309, 22168), (334, 22222), (338, 22240), (384, 22333), (410, 22411), (413, 22417), (516, 22594), (527, 22612),

Gene: Maselop_20 Start: 9989, Stop: 10885, Start Num: 153

Candidate Starts for Maselop_20:

(58, 9752), (Start: 153 @9989 has 7 MA's), (Start: 196 @10067 has 5 MA's), (241, 10154), (263, 10202), (273, 10217), (307, 10295), (322, 10340), (379, 10472), (412, 10565), (418, 10580), (477, 10679), (514, 10760), (542, 10808), (560, 10853),

Gene: Matteo_23 Start: 18653, Stop: 19369, Start Num: 169

Candidate Starts for Matteo_23:

(Start: 142 @18626 has 1 MA's), (Start: 144 @18629 has 1 MA's), (Start: 169 @18653 has 30 MA's), (184, 18671), (208, 18725), (253, 18809), (284, 18848), (304, 18884), (309, 18911), (334, 18965), (338, 18983), (369, 19046), (384, 19076), (410, 19154), (413, 19160), (531, 19361),

Gene: Mbo2_63 Start: 49136, Stop: 48321, Start Num: 136

Candidate Starts for Mbo2_63:

(136, 49136), (192, 49061), (Start: 196 @49052 has 5 MA's), (210, 49028), (223, 49007), (246, 48959), (306, 48863), (310, 48839), (365, 48725), (408, 48608), (419, 48587), (430, 48569), (492, 48458), (506, 48443), (552, 48350),

Gene: Mbo4_54 Start: 39648, Stop: 40400, Start Num: 171

Candidate Starts for Mbo4_54:

(57, 39369), (61, 39378), (67, 39417), (70, 39426), (74, 39444), (143, 39618), (156, 39636), (Start: 171 @39648 has 14 MA's), (Start: 193 @39687 has 58 MA's), (198, 39702), (226, 39756), (284, 39837), (315, 39918), (351, 40002), (379, 40062), (390, 40089),

Gene: McCrothy_45 Start: 40370, Stop: 41104, Start Num: 159

Candidate Starts for McCrothy_45:

(89, 40223), (122, 40313), (Start: 159 @40370 has 54 MA's), (Start: 176 @40388 has 3 MA's), (226, 40475), (240, 40502), (268, 40550), (280, 40568), (304, 40610), (333, 40688), (358, 40730), (374, 40763), (430, 40898), (454, 40937), (517, 41036), (536, 41063), (551, 41096),

Gene: McDazzle_49 Start: 35622, Stop: 34819, Start Num: 127

Candidate Starts for McDazzle_49:

(106, 35682), (Start: 127 @35622 has 1 MA's), (186, 35544), (228, 35472), (255, 35415), (286, 35361), (302, 35322), (308, 35301), (366, 35157), (385, 35124), (420, 35019), (464, 34941), (501, 34872), (506, 34863), (520, 34833), (526, 34824),

Gene: McKinley_47 Start: 40584, Stop: 41318, Start Num: 159

Candidate Starts for McKinley_47:

(89, 40437), (122, 40527), (Start: 159 @40584 has 54 MA's), (Start: 176 @40602 has 3 MA's), (226, 40689), (240, 40716), (268, 40764), (280, 40782), (304, 40824), (333, 40902), (358, 40944), (374, 40977), (430, 41112), (454, 41151), (517, 41250), (536, 41277), (551, 41310),

Gene: Mcklovin_25 Start: 24000, Stop: 24788, Start Num: 168

Candidate Starts for Mcklovin_25:

(Start: 157 @23988 has 33 MA's), (Start: 168 @24000 has 15 MA's), (Start: 176 @24012 has 3 MA's), (182, 24015), (Start: 193 @24042 has 58 MA's), (Start: 197 @24054 has 1 MA's), (226, 24105), (274, 24198), (301, 24243), (303, 24246), (304, 24249), (322, 24309), (329, 24327), (334, 24339), (335, 24342), (336, 24345), (381, 24435), (412, 24522), (542, 24744), (552, 24768),

Gene: MelBins_45 Start: 39210, Stop: 39932, Start Num: 163

Candidate Starts for MelBins_45:

(Start: 163 @39210 has 47 MA's), (182, 39225), (Start: 197 @39264 has 1 MA's), (221, 39303), (226, 39315), (268, 39375), (328, 39498), (376, 39591), (379, 39597), (384, 39606), (395, 39645), (412, 39684), (454, 39759), (517, 39858), (541, 39897), (549, 39918),

Gene: Melba_25 Start: 21152, Stop: 21955, Start Num: 157

Candidate Starts for Melba_25:

(Start: 157 @21152 has 33 MA's), (Start: 193 @21200 has 58 MA's), (Start: 197 @21212 has 1 MA's), (205, 21227), (226, 21263), (274, 21356), (304, 21407), (321, 21464), (322, 21467), (329, 21485), (334, 21497), (335, 21500), (336, 21503), (412, 21680), (422, 21701), (425, 21707), (519, 21863),

(542, 21899), (552, 21923), (561, 21944),

Gene: Mellie_24 Start: 20913, Stop: 21716, Start Num: 157

Candidate Starts for Mellie_24:

(Start: 157 @20913 has 33 MA's), (Start: 193 @20961 has 58 MA's), (Start: 197 @20973 has 1 MA's), (205, 20988), (274, 21117), (284, 21129), (304, 21168), (317, 21216), (321, 21225), (322, 21228), (329, 21246), (334, 21258), (335, 21261), (336, 21264), (412, 21441), (422, 21462), (425, 21468), (542, 21660), (552, 21684), (561, 21705),

Gene: MerCougar_19 Start: 8841, Stop: 9629, Start Num: 135

Candidate Starts for MerCougar_19:

(Start: 135 @8841 has 17 MA's), (138, 8850), (208, 8940), (Start: 219 @8964 has 1 MA's), (225, 8979), (245, 9012), (269, 9060), (338, 9228), (347, 9249), (485, 9555), (491, 9564), (497, 9570), (503, 9579), (515, 9603),

Gene: MichaelScott_25 Start: 21603, Stop: 22391, Start Num: 168

Candidate Starts for MichaelScott_25:

(Start: 157 @21591 has 33 MA's), (Start: 168 @21603 has 15 MA's), (Start: 176 @21615 has 3 MA's), (182, 21618), (Start: 193 @21645 has 58 MA's), (Start: 197 @21657 has 1 MA's), (226, 21708), (274, 21801), (301, 21846), (303, 21849), (304, 21852), (322, 21912), (329, 21930), (334, 21942), (335, 21945), (336, 21948), (381, 22038), (412, 22125), (542, 22347), (552, 22371),

Gene: Mikronejon_30 Start: 21568, Stop: 22266, Start Num: 135

Candidate Starts for Mikronejon_30:

(Start: 125 @21550 has 1 MA's), (Start: 135 @21568 has 17 MA's), (Start: 219 @21631 has 1 MA's), (233, 21667), (271, 21727), (280, 21739), (290, 21760), (303, 21793), (310, 21823), (311, 21826), (324, 21847), (326, 21853), (328, 21859), (336, 21880), (381, 21985), (384, 21994), (406, 22063), (409, 22069), (426, 22105), (433, 22117), (475, 22156), (485, 22177), (524, 22246), (533, 22258), (535, 22261),

Gene: Mima20_85 Start: 58476, Stop: 59327, Start Num: 163

Candidate Starts for Mima20_85:

(82, 58299), (93, 58326), (97, 58335), (101, 58350), (106, 58359), (Start: 144 @58452 has 1 MA's), (146, 58455), (Start: 163 @58476 has 47 MA's), (Start: 171 @58485 has 14 MA's), (184, 58506), (199, 58548), (202, 58554), (277, 58701), (280, 58704), (301, 58740), (306, 58752), (316, 58791), (329, 58821), (330, 58824), (334, 58836), (390, 58971), (414, 59037), (417, 59046), (434, 59076), (451, 59103), (463, 59127), (489, 59181), (515, 59226), (520, 59238), (544, 59277), (553, 59304),

Gene: MintFen_25 Start: 21152, Stop: 21955, Start Num: 157

Candidate Starts for MintFen_25:

(Start: 157 @21152 has 33 MA's), (Start: 193 @21200 has 58 MA's), (Start: 197 @21212 has 1 MA's), (205, 21227), (226, 21263), (274, 21356), (304, 21407), (321, 21464), (322, 21467), (329, 21485), (334, 21497), (335, 21500), (336, 21503), (412, 21680), (422, 21701), (425, 21707), (519, 21863), (542, 21899), (552, 21923), (561, 21944),

Gene: MintFritos_30 Start: 21568, Stop: 22266, Start Num: 135

Candidate Starts for MintFritos_30:

(Start: 125 @21550 has 1 MA's), (Start: 135 @21568 has 17 MA's), (Start: 219 @21631 has 1 MA's), (233, 21667), (271, 21727), (280, 21739), (290, 21760), (303, 21793), (310, 21823), (311, 21826), (324, 21847), (326, 21853), (328, 21859), (336, 21880), (381, 21985), (384, 21994), (406, 22063), (409, 22069), (426, 22105), (433, 22117), (475, 22156), (485, 22177), (524, 22246), (533, 22258), (535, 22261),

Gene: MissRona_27 Start: 21464, Stop: 22264, Start Num: 157

Candidate Starts for MissRona_27:

(83, 21314), (Start: 157 @21464 has 33 MA's), (Start: 193 @21512 has 58 MA's), (Start: 197 @21524 has 1 MA's), (226, 21575), (274, 21668), (304, 21719), (321, 21776), (322, 21779), (329, 21797), (334, 21809), (335, 21812), (336, 21815), (412, 21992), (422, 22013), (425, 22019), (448, 22055), (511, 22160), (519, 22175), (520, 22178), (542, 22211), (552, 22235),

Gene: Mocha12_24 Start: 19798, Stop: 20505, Start Num: 174

Candidate Starts for Mocha12_24:

(99, 19654), (Start: 174 @19798 has 60 MA's), (199, 19855), (220, 19894), (249, 19945), (253, 19954), (270, 19972), (272, 19975), (304, 20029), (305, 20032), (313, 20065), (320, 20083), (334, 20110), (369, 20188), (397, 20257), (401, 20263), (410, 20287), (413, 20293), (528, 20497),

Gene: ModicumRichard_33 Start: 27844, Stop: 28596, Start Num: 174

Candidate Starts for ModicumRichard_33:

(Start: 174 @27844 has 60 MA's), (Start: 197 @27895 has 1 MA's), (304, 28072), (344, 28171), (384, 28231), (412, 28309), (448, 28372), (481, 28435), (498, 28462), (552, 28564),

Gene: MoiGyank_89 Start: 59075, Stop: 59926, Start Num: 163

Candidate Starts for MoiGyank_89:

(Start: 144 @59051 has 1 MA's), (146, 59054), (Start: 163 @59075 has 47 MA's), (Start: 171 @59084 has 14 MA's), (184, 59105), (199, 59147), (202, 59153), (224, 59198), (280, 59303), (287, 59312), (301, 59339), (306, 59351), (316, 59390), (390, 59570), (414, 59636), (417, 59645), (434, 59675), (451, 59702), (463, 59726), (489, 59780), (515, 59825), (520, 59837), (553, 59903),

Gene: Moonflower_27 Start: 22646, Stop: 23239, Start Num: 226

Candidate Starts for Moonflower_27:

(Start: 169 @22538 has 30 MA's), (Start: 213 @22616 has 29 MA's), (220, 22631), (226, 22646), (278, 22721), (304, 22766), (309, 22793), (320, 22820), (334, 22847), (337, 22856), (338, 22865), (380, 22940), (384, 22946), (410, 23024), (413, 23030), (485, 23153), (505, 23183), (521, 23216),

Gene: MoontowerMania_45 Start: 40419, Stop: 41153, Start Num: 159

Candidate Starts for MoontowerMania_45:

(89, 40272), (122, 40362), (Start: 159 @40419 has 54 MA's), (Start: 176 @40437 has 3 MA's), (226, 40524), (240, 40551), (268, 40599), (280, 40617), (304, 40659), (333, 40737), (358, 40779), (374, 40812), (430, 40947), (454, 40986), (517, 41085), (536, 41112), (551, 41145),

Gene: Moosehead_23 Start: 18651, Stop: 19352, Start Num: 174

Candidate Starts for Moosehead_23:

(Start: 174 @18651 has 60 MA's), (220, 18744), (226, 18759), (249, 18795), (303, 18876), (313, 18915), (337, 18969), (348, 18999), (410, 19137), (413, 19143), (528, 19344),

Gene: Morgana_33 Start: 27600, Stop: 28349, Start Num: 174

Candidate Starts for Morgana_33:

(38, 27204), (Start: 174 @27600 has 60 MA's), (Start: 197 @27651 has 1 MA's), (304, 27828), (334, 27909), (344, 27927), (384, 27984), (397, 28032), (412, 28062), (448, 28125), (481, 28188), (498, 28215), (552, 28317),

Gene: Morkie_24 Start: 19442, Stop: 20146, Start Num: 170

Candidate Starts for Morkie_24:

(Start: 170 @19442 has 3 MA's), (220, 19538), (278, 19628), (293, 19649), (294, 19652), (305, 19676), (309, 19700), (310, 19703), (316, 19718), (334, 19754), (369, 19832), (387, 19859), (402, 19910), (410, 19931), (513, 20108), (528, 20138),

Gene: MortyNRick_27 Start: 21231, Stop: 21854, Start Num: 213

Candidate Starts for MortyNRick_27:

(51, 20856), (66, 20913), (76, 20958), (99, 21012), (100, 21015), (117, 21051), (Start: 130 @21096 has 24 MA's), (133, 21099), (Start: 213 @21231 has 29 MA's), (Start: 216 @21237 has 2 MA's), (229, 21267), (235, 21282), (266, 21342), (303, 21417), (316, 21462), (334, 21498), (346, 21534), (372, 21597), (397, 21660), (406, 21681), (409, 21690), (445, 21747), (507, 21822), (511, 21831),

Gene: MossRose_45 Start: 37550, Stop: 38272, Start Num: 171

Candidate Starts for MossRose_45:

(78, 37364), (Start: 171 @37550 has 14 MA's), (Start: 219 @37643 has 1 MA's), (256, 37712), (282, 37739), (285, 37745), (334, 37859), (376, 37943), (410, 38036), (422, 38066),

Gene: Mossy_31 Start: 23518, Stop: 24303, Start Num: 193

Candidate Starts for Mossy_31:

(Start: 193 @23518 has 58 MA's), (259, 23659), (317, 23806), (330, 23833), (335, 23848), (367, 23932), (397, 24010), (408, 24037), (409, 24040), (447, 24115), (462, 24145),

Gene: Murp_26 Start: 21420, Stop: 22214, Start Num: 157

Candidate Starts for Murp_26:

(45, 21117), (65, 21204), (83, 21270), (Start: 157 @21420 has 33 MA's), (Start: 193 @21468 has 58 MA's), (Start: 197 @21480 has 1 MA's), (226, 21531), (274, 21624), (304, 21675), (317, 21723), (321, 21732), (322, 21735), (329, 21753), (334, 21765), (335, 21768), (336, 21771), (353, 21804), (412, 21948), (422, 21969), (542, 22167), (552, 22191),

Gene: Mutzi_43 Start: 37151, Stop: 37906, Start Num: 161

Candidate Starts for Mutzi_43:

(136, 37115), (Start: 148 @37136 has 7 MA's), (Start: 161 @37151 has 34 MA's), (203, 37223), (226, 37259), (270, 37331), (310, 37412), (373, 37526), (379, 37532), (390, 37559), (405, 37607), (461, 37709), (504, 37784), (511, 37793), (549, 37865), (552, 37871),

Gene: Mysticmoon_30 Start: 22127, Stop: 22912, Start Num: 193

Candidate Starts for Mysticmoon_30:

(Start: 169 @22082 has 30 MA's), (Start: 193 @22127 has 58 MA's), (214, 22172), (259, 22268), (317, 22415), (326, 22433), (330, 22442), (335, 22457), (367, 22541), (390, 22589), (409, 22649), (447, 22724),

Gene: NHagos_43 Start: 36157, Stop: 36879, Start Num: 171

Candidate Starts for NHagos_43:

(Start: 171 @36157 has 14 MA's), (208, 36226), (Start: 219 @36250 has 1 MA's), (253, 36313), (256, 36319), (334, 36466), (382, 36562), (384, 36565), (410, 36643), (422, 36673), (430, 36688),

Gene: NaLuna_26 Start: 21448, Stop: 22167, Start Num: 174

Candidate Starts for NaLuna_26:

(Start: 132 @21391 has 3 MA's), (Start: 174 @21448 has 60 MA's), (220, 21541), (226, 21556), (253, 21601), (293, 21652), (305, 21679), (309, 21703), (337, 21766), (338, 21775), (410, 21937), (413, 21943),

Gene: NadineRae_17 Start: 6891, Stop: 7682, Start Num: 134

Candidate Starts for NadineRae_17:

(Start: 134 @6891 has 3 MA's), (Start: 219 @7002 has 1 MA's), (220, 7005), (225, 7017), (269, 7098), (333, 7248), (340, 7272), (355, 7305), (405, 7437), (462, 7551), (468, 7563), (485, 7599), (513, 7644), (517, 7653),

Gene: Nadmeg_31 Start: 23523, Stop: 24311, Start Num: 193

Candidate Starts for Nadmeg_31:

(Start: 193 @23523 has 58 MA's), (214, 23568), (227, 23598), (231, 23610), (259, 23664), (261, 23670), (287, 23715), (317, 23811), (326, 23829), (333, 23847), (335, 23853), (408, 24042), (409, 24045), (423, 24081), (447, 24120), (460, 24147), (522, 24267),

Gene: NatB6_19 Start: 9475, Stop: 10200, Start Num: 130

Candidate Starts for NatB6_19:

(Start: 130 @9475 has 24 MA's), (Start: 157 @9499 has 33 MA's), (187, 9532), (220, 9535), (239, 9571), (248, 9586), (269, 9628), (333, 9775), (405, 9967), (457, 10069), (475, 10099), (485, 10120), (497, 10135), (529, 10195),

Gene: Natkenzie_46 Start: 40683, Stop: 41405, Start Num: 163

Candidate Starts for Natkenzie_46:

(67, 40467), (105, 40572), (Start: 163 @40683 has 47 MA's), (226, 40788), (230, 40797), (268, 40848), (280, 40866), (304, 40908), (329, 40974), (331, 40980), (334, 40986), (370, 41052), (412, 41151), (517, 41325), (530, 41346), (540, 41361),

Gene: Neobush_27 Start: 22303, Stop: 22923, Start Num: 207

Candidate Starts for Neobush_27:

(49, 21928), (99, 22099), (100, 22102), (Start: 130 @22183 has 24 MA's), (143, 22204), (Start: 207 @22303 has 17 MA's), (Start: 216 @22312 has 2 MA's), (235, 22357), (280, 22438), (316, 22537), (334, 22573), (355, 22624), (372, 22672), (397, 22735), (409, 22765), (439, 22816), (485, 22867), (507, 22894),

Gene: Nettuno_23 Start: 18707, Stop: 19408, Start Num: 174

Candidate Starts for Nettuno_23:

(Start: 158 @18692 has 1 MA's), (Start: 161 @18695 has 34 MA's), (Start: 174 @18707 has 60 MA's), (220, 18800), (226, 18815), (249, 18851), (303, 18932), (310, 18965), (313, 18971), (334, 19016), (348, 19055), (410, 19193), (413, 19199), (422, 19223), (430, 19238), (528, 19400),

Gene: Neville_115 Start: 65621, Stop: 66349, Start Num: 169

Candidate Starts for Neville_115:

(Start: 169 @65621 has 30 MA's), (Start: 196 @65675 has 5 MA's), (199, 65681), (202, 65687), (223, 65729), (239, 65765), (284, 65819), (333, 65927), (342, 65951), (379, 66023), (430, 66143), (458, 66179), (465, 66188), (478, 66203), (558, 66338),

Gene: Nithya_30 Start: 22307, Stop: 23095, Start Num: 193

Candidate Starts for Nithya_30:

(Start: 193 @22307 has 58 MA's), (214, 22352), (227, 22382), (231, 22394), (259, 22448), (317, 22595), (333, 22631), (335, 22637), (408, 22826), (409, 22829), (434, 22886), (447, 22904), (460, 22931), (522, 23051),

Gene: NoPickles_27 Start: 19073, Stop: 19858, Start Num: 193

Candidate Starts for NoPickles_27:

(Start: 193 @19073 has 58 MA's), (214, 19118), (259, 19214), (261, 19220), (316, 19358), (331, 19391), (335, 19403), (408, 19592), (409, 19595), (447, 19670), (522, 19817),

Gene: NorManre_91 Start: 59988, Stop: 60839, Start Num: 163

Candidate Starts for NorManre_91:

(Start: 144 @59964 has 1 MA's), (146, 59967), (Start: 163 @59988 has 47 MA's), (Start: 171 @59997 has 14 MA's), (184, 60018), (199, 60060), (202, 60066), (224, 60111), (280, 60216), (287, 60225),

(301, 60252), (306, 60264), (316, 60303), (390, 60483), (417, 60558), (434, 60588), (462, 60636), (463, 60639), (489, 60693), (515, 60738), (520, 60750), (553, 60816),

Gene: Nordenberg_40 Start: 39404, Stop: 40138, Start Num: 159

Candidate Starts for Nordenberg_40:

(89, 39257), (122, 39347), (Start: 159 @39404 has 54 MA's), (Start: 176 @39422 has 3 MA's), (226, 39509), (240, 39536), (268, 39584), (280, 39602), (304, 39644), (333, 39722), (358, 39764), (374, 39797), (430, 39932), (454, 39971), (517, 40070), (536, 40097), (551, 40130),

Gene: NosilaM_21 Start: 9718, Stop: 10509, Start Num: 135

Candidate Starts for NosilaM_21:

(Start: 135 @9718 has 17 MA's), (180, 9763), (211, 9826), (Start: 216 @9838 has 2 MA's), (Start: 219 @9844 has 1 MA's), (225, 9859), (239, 9883), (245, 9892), (269, 9940), (290, 9976), (333, 10087), (338, 10108), (347, 10129), (475, 10414), (485, 10435), (491, 10444), (497, 10450), (515, 10483),

Gene: NovaSharks_86 Start: 56889, Stop: 57740, Start Num: 163

Candidate Starts for NovaSharks_86:

(Start: 144 @56865 has 1 MA's), (146, 56868), (Start: 163 @56889 has 47 MA's), (Start: 179 @56910 has 2 MA's), (184, 56919), (199, 56961), (202, 56967), (224, 57012), (277, 57114), (280, 57117), (301, 57153), (306, 57165), (316, 57204), (329, 57234), (330, 57237), (334, 57249), (335, 57252), (390, 57384), (414, 57450), (417, 57459), (434, 57489), (451, 57516), (462, 57537), (489, 57594), (515, 57639), (553, 57717),

Gene: NovumRegina_19 Start: 9806, Stop: 10531, Start Num: 130

Candidate Starts for NovumRegina_19:

(Start: 130 @9806 has 24 MA's), (Start: 157 @9830 has 33 MA's), (187, 9863), (220, 9866), (239, 9902), (248, 9917), (269, 9959), (333, 10106), (405, 10298), (457, 10400), (475, 10430), (485, 10451), (497, 10466), (529, 10526),

Gene: Nubi_44 Start: 36296, Stop: 37051, Start Num: 161

Candidate Starts for Nubi_44:

(136, 36260), (Start: 148 @36281 has 7 MA's), (Start: 161 @36296 has 34 MA's), (203, 36368), (226, 36404), (270, 36476), (310, 36557), (373, 36671), (379, 36677), (390, 36704), (405, 36752), (461, 36854), (511, 36938), (549, 37010),

Gene: Nymphadora_25 Start: 22318, Stop: 22926, Start Num: 216

Candidate Starts for Nymphadora_25:

(143, 22210), (178, 22249), (194, 22282), (Start: 206 @22309 has 12 MA's), (Start: 216 @22318 has 2 MA's), (235, 22360), (243, 22372), (266, 22420), (280, 22441), (290, 22462), (303, 22495), (305, 22498), (316, 22540), (334, 22576), (355, 22627), (372, 22675), (397, 22738), (409, 22768), (439, 22819), (507, 22897),

Gene: ODay_32 Start: 23377, Stop: 24000, Start Num: 213

Candidate Starts for ODay_32:

(121, 23236), (143, 23269), (164, 23290), (167, 23293), (Start: 213 @23377 has 29 MA's), (Start: 216 @23383 has 2 MA's), (229, 23413), (235, 23428), (266, 23488), (303, 23563), (316, 23608), (334, 23644), (336, 23650), (346, 23680), (372, 23743), (397, 23806), (406, 23827), (409, 23836), (507, 23968), (511, 23977),

Gene: ObLaDi_33 Start: 27823, Stop: 28575, Start Num: 174

Candidate Starts for ObLaDi_33:

(Start: 174 @27823 has 60 MA's), (Start: 197 @27874 has 1 MA's), (304, 28051), (344, 28150), (384, 28210), (412, 28288), (448, 28351), (481, 28414), (498, 28441), (552, 28543),

Gene: Obliviate_25 Start: 21074, Stop: 21871, Start Num: 154

Candidate Starts for Obliviate_25:

(29, 20681), (50, 20810), (76, 20921), (90, 20948), (103, 20984), (Start: 154 @21074 has 6 MA's), (Start: 197 @21128 has 1 MA's), (205, 21143), (226, 21179), (274, 21272), (284, 21284), (303, 21320), (304, 21323), (317, 21371), (321, 21380), (322, 21383), (329, 21401), (334, 21413), (335, 21416), (336, 21419), (397, 21566), (412, 21596), (422, 21617), (425, 21623), (430, 21632), (542, 21815), (552, 21839), (561, 21860),

Gene: Octobien14_115 Start: 63857, Stop: 64579, Start Num: 173

Candidate Starts for Octobien14_115:

(117, 63755), (138, 63815), (Start: 173 @63857 has 14 MA's), (Start: 196 @63905 has 5 MA's), (298, 64067), (304, 64079), (392, 64289), (414, 64346), (430, 64376), (444, 64391), (495, 64463), (505, 64478), (552, 64562), (554, 64565),

Gene: Odesza_27 Start: 19428, Stop: 20213, Start Num: 193

Candidate Starts for Odesza_27:

(Start: 193 @19428 has 58 MA's), (199, 19443), (222, 19491), (236, 19524), (259, 19569), (261, 19575), (316, 19713), (331, 19746), (335, 19758), (408, 19947), (409, 19950), (447, 20025), (460, 20052), (522, 20172),

Gene: OhMyWard_30 Start: 22858, Stop: 23643, Start Num: 193

Candidate Starts for OhMyWard_30:

(Start: 193 @22858 has 58 MA's), (259, 22999), (317, 23146), (330, 23173), (335, 23188), (367, 23272), (408, 23377), (409, 23380), (447, 23455), (462, 23485),

Gene: Ohgeesy_25 Start: 21932, Stop: 22549, Start Num: 206

Candidate Starts for Ohgeesy_25:

(143, 21833), (178, 21872), (194, 21905), (Start: 206 @21932 has 12 MA's), (235, 21983), (243, 21995), (266, 22043), (280, 22064), (290, 22085), (303, 22118), (316, 22163), (334, 22199), (335, 22202), (355, 22250), (397, 22361), (409, 22391), (439, 22442), (507, 22520),

Gene: OlgasClover_30 Start: 23043, Stop: 23831, Start Num: 193

Candidate Starts for OlgasClover_30:

(Start: 193 @23043 has 58 MA's), (214, 23088), (227, 23118), (231, 23130), (259, 23184), (316, 23328), (317, 23331), (330, 23358), (335, 23373), (367, 23457), (408, 23562), (409, 23565), (447, 23640),

Gene: OneDirection_22 Start: 18679, Stop: 19380, Start Num: 174

Candidate Starts for OneDirection_22:

(Start: 161 @18664 has 34 MA's), (Start: 174 @18679 has 60 MA's), (185, 18697), (220, 18772), (226, 18787), (249, 18823), (303, 18904), (313, 18943), (334, 18988), (348, 19027), (410, 19165), (413, 19171), (422, 19195), (528, 19372),

Gene: Oogie_31 Start: 23271, Stop: 23969, Start Num: 135

Candidate Starts for Oogie_31:

(Start: 125 @23253 has 1 MA's), (Start: 135 @23271 has 17 MA's), (Start: 219 @23334 has 1 MA's), (233, 23370), (280, 23442), (290, 23463), (303, 23496), (310, 23526), (311, 23529), (324, 23550), (326, 23556), (328, 23562), (336, 23583), (381, 23688), (384, 23697), (406, 23766), (409, 23772), (426, 23808), (433, 23820), (475, 23859), (524, 23949), (533, 23961), (535, 23964),

Gene: Opie_26 Start: 21778, Stop: 22491, Start Num: 174

Candidate Starts for Opie_26:

(Start: 132 @21721 has 3 MA's), (Start: 174 @21778 has 60 MA's), (182, 21790), (220, 21871), (226, 21886), (253, 21931), (293, 21982), (309, 22033), (337, 22096), (338, 22105), (379, 22180), (405, 22255), (410, 22267), (413, 22273),

Gene: Orchid_39 Start: 40829, Stop: 41551, Start Num: 196

Candidate Starts for Orchid_39:

(Start: 196 @40829 has 5 MA's), (222, 40883), (272, 40976), (304, 41057), (311, 41090), (346, 41168), (412, 41330), (456, 41390), (514, 41504),

Gene: Oregano_25 Start: 21268, Stop: 22056, Start Num: 168

Candidate Starts for Oregano_25:

(Start: 157 @21256 has 33 MA's), (Start: 168 @21268 has 15 MA's), (Start: 176 @21280 has 3 MA's), (182, 21283), (Start: 193 @21310 has 58 MA's), (Start: 197 @21322 has 1 MA's), (226, 21373), (274, 21466), (301, 21511), (303, 21514), (304, 21517), (305, 21520), (322, 21577), (329, 21595), (334, 21607), (335, 21610), (336, 21613), (381, 21703), (412, 21790), (511, 21958), (542, 22012), (552, 22036),

Gene: OtterstedtS21_87 Start: 58792, Stop: 59643, Start Num: 163

Candidate Starts for OtterstedtS21_87:

(Start: 144 @58768 has 1 MA's), (146, 58771), (Start: 163 @58792 has 47 MA's), (Start: 171 @58801 has 14 MA's), (184, 58822), (199, 58864), (202, 58870), (224, 58915), (280, 59020), (301, 59056), (306, 59068), (316, 59107), (390, 59287), (414, 59353), (417, 59362), (434, 59392), (451, 59419), (463, 59443), (489, 59497), (515, 59542), (520, 59554), (553, 59620),

Gene: Outis_19 Start: 8535, Stop: 9323, Start Num: 135

Candidate Starts for Outis_19:

(Start: 135 @8535 has 17 MA's), (138, 8544), (208, 8634), (Start: 219 @8658 has 1 MA's), (225, 8673), (245, 8706), (269, 8754), (338, 8922), (347, 8943), (485, 9249), (491, 9258), (497, 9264), (503, 9273), (515, 9297),

Gene: PCoral7_26 Start: 21477, Stop: 22187, Start Num: 169

Candidate Starts for PCoral7_26:

(Start: 169 @21477 has 30 MA's), (181, 21489), (184, 21495), (253, 21633), (278, 21663), (304, 21708), (309, 21735), (320, 21762), (338, 21813), (374, 21882), (384, 21897), (387, 21903), (394, 21933), (410, 21975), (413, 21981), (437, 22032), (485, 22104), (521, 22167),

Gene: Pakusa_30 Start: 21310, Stop: 22008, Start Num: 135

Candidate Starts for Pakusa_30:

(Start: 125 @21292 has 1 MA's), (Start: 135 @21310 has 17 MA's), (Start: 219 @21373 has 1 MA's), (233, 21409), (271, 21469), (280, 21481), (290, 21502), (303, 21535), (310, 21565), (311, 21568), (324, 21589), (326, 21595), (328, 21601), (336, 21622), (381, 21727), (384, 21736), (406, 21805), (409, 21811), (426, 21847), (433, 21859), (475, 21898), (485, 21919), (524, 21988), (533, 22000), (535, 22003),

Gene: PantheRoc_26 Start: 21501, Stop: 22121, Start Num: 207

Candidate Starts for PantheRoc_26:

(49, 21126), (99, 21297), (100, 21300), (Start: 130 @21381 has 24 MA's), (143, 21402), (Start: 207 @21501 has 17 MA's), (Start: 216 @21510 has 2 MA's), (235, 21555), (280, 21636), (303, 21690), (316, 21735), (334, 21771), (355, 21822), (372, 21870), (397, 21933), (409, 21963), (439, 22014), (507, 22092),

Gene: Paries_48 Start: 40873, Stop: 41607, Start Num: 159

Candidate Starts for Paries_48:

(89, 40726), (122, 40816), (Start: 159 @40873 has 54 MA's), (Start: 176 @40891 has 3 MA's), (226, 40978), (240, 41005), (268, 41053), (280, 41071), (304, 41113), (333, 41191), (358, 41233), (374, 41266), (430, 41401), (454, 41440), (517, 41539), (536, 41566), (551, 41599),

Gene: ParvusTarda_86 Start: 58065, Stop: 58916, Start Num: 163

Candidate Starts for ParvusTarda_86:

(82, 57888), (93, 57915), (97, 57924), (101, 57939), (106, 57948), (Start: 144 @58041 has 1 MA's), (146, 58044), (Start: 163 @58065 has 47 MA's), (Start: 171 @58074 has 14 MA's), (184, 58095), (199, 58137), (202, 58143), (224, 58188), (277, 58290), (280, 58293), (301, 58329), (306, 58341), (329, 58410), (330, 58413), (334, 58425), (390, 58560), (414, 58626), (417, 58635), (434, 58665), (462, 58713), (463, 58716), (489, 58770), (515, 58815), (520, 58827), (553, 58893),

Gene: Patio_21 Start: 9753, Stop: 10526, Start Num: 130

Candidate Starts for Patio_21:

(Start: 130 @9753 has 24 MA's), (Start: 219 @9861 has 1 MA's), (220, 9864), (248, 9915), (269, 9957), (338, 10125), (485, 10446), (517, 10500),

Gene: Patos_91 Start: 59987, Stop: 60838, Start Num: 163

Candidate Starts for Patos_91:

(Start: 144 @59963 has 1 MA's), (146, 59966), (Start: 163 @59987 has 47 MA's), (Start: 171 @59996 has 14 MA's), (184, 60017), (199, 60059), (202, 60065), (224, 60110), (280, 60215), (287, 60224), (301, 60251), (306, 60263), (316, 60302), (390, 60482), (417, 60557), (434, 60587), (462, 60635), (463, 60638), (489, 60692), (515, 60737), (520, 60749), (553, 60815),

Gene: PatriciaStar_25 Start: 21883, Stop: 22584, Start Num: 170

Candidate Starts for PatriciaStar_25:

(162, 21874), (Start: 170 @21883 has 3 MA's), (220, 21976), (226, 21991), (253, 22036), (278, 22066), (309, 22138), (320, 22165), (334, 22192), (337, 22201), (338, 22210), (380, 22285), (384, 22291), (397, 22339), (410, 22369), (413, 22375), (485, 22498), (521, 22561),

Gene: PatrickStar_40 Start: 40828, Stop: 41550, Start Num: 196

Candidate Starts for PatrickStar_40:

(Start: 196 @40828 has 5 MA's), (222, 40882), (272, 40975), (304, 41056), (311, 41089), (346, 41167), (412, 41329), (456, 41389), (514, 41503),

Gene: Pemberton_20 Start: 7657, Stop: 8400, Start Num: 190

Candidate Starts for Pemberton_20:

(117, 7528), (Start: 190 @7657 has 2 MA's), (Start: 219 @7720 has 1 MA's), (220, 7723), (225, 7735), (269, 7816), (333, 7966), (340, 7990), (355, 8023), (393, 8119), (405, 8155), (468, 8281), (485, 8317), (517, 8371),

Gene: Pepperoni_24 Start: 19528, Stop: 20244, Start Num: 169

Candidate Starts for Pepperoni_24:

(Start: 142 @19501 has 1 MA's), (Start: 144 @19504 has 1 MA's), (Start: 169 @19528 has 30 MA's), (184, 19546), (253, 19684), (284, 19723), (304, 19759), (309, 19786), (334, 19840), (338, 19858), (369, 19921), (384, 19951), (410, 20029), (413, 20035), (516, 20212), (531, 20236),

Gene: Pepy6_033 Start: 28827, Stop: 29618, Start Num: 193

Candidate Starts for Pepy6_033:

(189, 28815), (Start: 193 @28827 has 58 MA's), (259, 28968), (310, 29103), (316, 29118), (336, 29166), (384, 29277), (405, 29343), (409, 29355), (434, 29412), (486, 29511), (516, 29565),

Gene: Periwinkle_30 Start: 21968, Stop: 22591, Start Num: 213

Candidate Starts for Periwinkle_30:

(51, 21593), (66, 21650), (76, 21695), (99, 21749), (100, 21752), (117, 21788), (Start: 130 @21833 has 24 MA's), (133, 21836), (Start: 213 @21968 has 29 MA's), (Start: 216 @21974 has 2 MA's), (229, 22004), (235, 22019), (266, 22079), (280, 22100), (306, 22160), (316, 22199), (346, 22271), (372, 22334), (393, 22379), (397, 22397), (406, 22418), (409, 22427), (507, 22559), (511, 22568), (516, 22580),

Gene: Perkunas_29 Start: 19840, Stop: 20625, Start Num: 193

Candidate Starts for Perkunas_29:

(Start: 193 @19840 has 58 MA's), (199, 19855), (234, 19933), (259, 19981), (261, 19987), (316, 20125), (335, 20170), (408, 20359), (409, 20362), (447, 20437), (460, 20464),

Gene: PerroGrande22_37 Start: 30153, Stop: 30944, Start Num: 193

Candidate Starts for PerroGrande22_37:

(Start: 193 @30153 has 58 MA's), (259, 30294), (287, 30345), (316, 30444), (336, 30492), (384, 30603), (409, 30681), (434, 30738), (462, 30786), (516, 30891),

Gene: PestoPenguin_33 Start: 22097, Stop: 22885, Start Num: 193

Candidate Starts for PestoPenguin_33:

(Start: 193 @22097 has 58 MA's), (214, 22142), (231, 22184), (259, 22238), (335, 22427), (408, 22616), (409, 22619), (447, 22694), (522, 22841),

Gene: Petito_29 Start: 20607, Stop: 21392, Start Num: 193

Candidate Starts for Petito_29:

(Start: 193 @20607 has 58 MA's), (214, 20652), (251, 20730), (259, 20748), (261, 20754), (262, 20757), (316, 20892), (331, 20925), (335, 20937), (408, 21126), (409, 21129), (447, 21204), (460, 21231), (522, 21351),

Gene: Petra_27 Start: 21152, Stop: 21940, Start Num: 165

Candidate Starts for Petra_27:

(71, 20948), (102, 21032), (112, 21053), (Start: 165 @21152 has 3 MA's), (Start: 176 @21164 has 3 MA's), (182, 21167), (Start: 193 @21194 has 58 MA's), (Start: 197 @21206 has 1 MA's), (205, 21221), (274, 21350), (284, 21362), (304, 21401), (317, 21449), (322, 21461), (334, 21491), (335, 21494), (336, 21497), (412, 21674), (422, 21695), (425, 21701), (430, 21710), (542, 21893), (552, 21917),

Gene: Phabuloso_27 Start: 21255, Stop: 21878, Start Num: 213

Candidate Starts for Phabuloso_27:

(51, 20880), (66, 20937), (76, 20982), (99, 21036), (100, 21039), (117, 21075), (Start: 130 @21120 has 24 MA's), (133, 21123), (Start: 213 @21255 has 29 MA's), (Start: 216 @21261 has 2 MA's), (229, 21291), (235, 21306), (266, 21366), (306, 21447), (316, 21486), (346, 21558), (372, 21621), (393, 21666), (397, 21684), (406, 21705), (409, 21714), (507, 21846), (511, 21855), (516, 21867),

Gene: PhaoMing_23 Start: 20071, Stop: 20694, Start Num: 213

Candidate Starts for PhaoMing_23:

(Start: 213 @20071 has 29 MA's), (218, 20080), (229, 20107), (235, 20122), (280, 20203), (316, 20302), (346, 20374), (372, 20437), (397, 20500), (406, 20521), (409, 20530), (413, 20542), (507, 20662), (511, 20671),

Gene: Phauci_37 Start: 35913, Stop: 36635, Start Num: 163

Candidate Starts for Phauci_37:

(Start: 163 @35913 has 47 MA's), (182, 35928), (221, 36006), (226, 36018), (268, 36078), (328, 36201), (376, 36294), (379, 36300), (395, 36348), (412, 36387), (454, 36462), (517, 36561), (541, 36600), (549, 36621),

Gene: Phepper_30 Start: 22090, Stop: 22878, Start Num: 193

Candidate Starts for Phepper_30:

(Start: 193 @22090 has 58 MA's), (227, 22165), (231, 22177), (259, 22231), (261, 22237), (287, 22282), (294, 22312), (317, 22378), (326, 22396), (331, 22408), (333, 22414), (335, 22420), (408, 22609), (409, 22612), (447, 22687), (522, 22834),

Gene: Pherobrine_29 Start: 22125, Stop: 22910, Start Num: 193

Candidate Starts for Pherobrine_29:

(Start: 169 @22080 has 30 MA's), (Start: 193 @22125 has 58 MA's), (214, 22170), (259, 22266), (317, 22413), (326, 22431), (330, 22440), (335, 22455), (367, 22539), (390, 22587), (409, 22647), (447, 22722),

Gene: Phinally_44 Start: 39060, Stop: 39779, Start Num: 163

Candidate Starts for Phinally_44:

(Start: 163 @39060 has 47 MA's), (182, 39075), (Start: 197 @39114 has 1 MA's), (221, 39153), (226, 39165), (252, 39204), (268, 39225), (379, 39444), (384, 39453), (390, 39471), (395, 39492), (412, 39531), (454, 39606), (517, 39705), (541, 39744), (549, 39765),

Gene: Phistory_29 Start: 22289, Stop: 22912, Start Num: 213

Candidate Starts for Phistory_29:

(51, 21914), (66, 21971), (76, 22016), (99, 22070), (100, 22073), (117, 22109), (Start: 130 @22154 has 24 MA's), (133, 22157), (Start: 213 @22289 has 29 MA's), (Start: 216 @22295 has 2 MA's), (229, 22325), (235, 22340), (266, 22400), (306, 22481), (316, 22520), (346, 22592), (372, 22655), (393, 22700), (397, 22718), (406, 22739), (409, 22748), (507, 22880), (511, 22889), (516, 22901),

Gene: Phlop_43 Start: 36377, Stop: 37132, Start Num: 161

Candidate Starts for Phlop_43:

(Start: 148 @36362 has 7 MA's), (Start: 161 @36377 has 34 MA's), (203, 36449), (226, 36485), (270, 36557), (373, 36752), (379, 36758), (390, 36785), (405, 36833), (461, 36935), (511, 37019), (549, 37091),

Gene: Phomeo_18 Start: 9034, Stop: 9759, Start Num: 130

Candidate Starts for Phomeo_18:

(Start: 130 @9034 has 24 MA's), (Start: 157 @9058 has 33 MA's), (187, 9091), (220, 9094), (239, 9130), (248, 9145), (269, 9187), (291, 9226), (333, 9334), (405, 9526), (457, 9628), (475, 9658), (485, 9679), (497, 9694), (529, 9754),

Gene: PhorbesPhlower_24 Start: 19442, Stop: 20146, Start Num: 170

Candidate Starts for PhorbesPhlower_24:

(Start: 170 @19442 has 3 MA's), (220, 19538), (278, 19628), (293, 19649), (294, 19652), (305, 19676), (309, 19700), (310, 19703), (316, 19718), (334, 19754), (369, 19832), (387, 19859), (402, 19910), (410, 19931), (513, 20108), (528, 20138),

Gene: PhriskyACE_24 Start: 20739, Stop: 21473, Start Num: 197

Candidate Starts for PhriskyACE_24:

(86, 20526), (Start: 157 @20676 has 33 MA's), (Start: 165 @20685 has 3 MA's), (Start: 176 @20697 has 3 MA's), (182, 20700), (Start: 193 @20727 has 58 MA's), (Start: 197 @20739 has 1 MA's), (226, 20790), (274, 20883), (301, 20928), (303, 20931), (304, 20934), (305, 20937), (322, 20994), (329, 21012), (335, 21027), (336, 21030), (375, 21108), (381, 21120), (390, 21147), (412, 21207), (430, 21243), (511, 21375), (520, 21393), (542, 21429), (558, 21465),

Gene: PhrostedPhlake_27 Start: 21845, Stop: 22648, Start Num: 157

Candidate Starts for PhrostedPhlake_27:

(Start: 157 @21845 has 33 MA's), (Start: 193 @21893 has 58 MA's), (Start: 197 @21905 has 1 MA's), (205, 21920), (226, 21956), (274, 22049), (304, 22100), (321, 22157), (322, 22160), (329, 22178), (334, 22190), (335, 22193), (336, 22196), (412, 22373), (422, 22394), (425, 22400), (519, 22556), (542, 22592), (552, 22616), (561, 22637),

Gene: Pickett_23 Start: 18631, Stop: 19332, Start Num: 174

Candidate Starts for Pickett_23:

(Start: 158 @18616 has 1 MA's), (Start: 161 @18619 has 34 MA's), (Start: 174 @18631 has 60 MA's), (226, 18739), (249, 18775), (303, 18856), (313, 18895), (334, 18940), (348, 18979), (402, 19096), (410, 19117), (413, 19123), (443, 19180), (528, 19324),

Gene: PinkCoffee_46 Start: 36480, Stop: 37235, Start Num: 161

Candidate Starts for PinkCoffee_46:

(Start: 148 @36465 has 7 MA's), (Start: 161 @36480 has 34 MA's), (203, 36552), (226, 36588), (270, 36660), (373, 36855), (379, 36861), (390, 36888), (405, 36936), (461, 37038), (511, 37122), (549, 37194),

Gene: Pipp_25 Start: 21146, Stop: 21946, Start Num: 157

Candidate Starts for Pipp_25:

(Start: 157 @21146 has 33 MA's), (Start: 193 @21194 has 58 MA's), (Start: 197 @21206 has 1 MA's), (226, 21257), (274, 21350), (304, 21401), (321, 21458), (322, 21461), (329, 21479), (334, 21491), (335, 21494), (336, 21497), (401, 21650), (412, 21674), (422, 21695), (542, 21893), (552, 21917), (561, 21935),

Gene: Pleakley_25 Start: 9799, Stop: 10464, Start Num: 219

Candidate Starts for Pleakley_25:

(Start: 219 @9799 has 1 MA's), (220, 9802), (248, 9859), (269, 9901), (316, 10015), (326, 10030), (333, 10048), (346, 10084), (378, 10153), (381, 10159), (406, 10237), (409, 10246), (433, 10300), (475, 10360),

Gene: Poco6_034 Start: 30846, Stop: 31637, Start Num: 193

Candidate Starts for Poco6_034:

(Start: 193 @30846 has 58 MA's), (259, 30987), (287, 31038), (316, 31137), (336, 31185), (384, 31296), (409, 31374), (434, 31431), (462, 31479), (516, 31584),

Gene: Pollux_27 Start: 21910, Stop: 22626, Start Num: 169

Candidate Starts for Pollux_27:

(Start: 142 @21883 has 1 MA's), (Start: 144 @21886 has 1 MA's), (Start: 169 @21910 has 30 MA's), (184, 21928), (208, 21982), (253, 22066), (284, 22105), (304, 22141), (309, 22168), (334, 22222), (338, 22240), (384, 22333), (410, 22411), (413, 22417), (516, 22594), (527, 22612),

Gene: Polly_24 Start: 21758, Stop: 22366, Start Num: 216

Candidate Starts for Polly_24:

(143, 21650), (178, 21689), (194, 21722), (Start: 206 @21749 has 12 MA's), (Start: 216 @21758 has 2 MA's), (235, 21800), (243, 21812), (266, 21860), (280, 21881), (290, 21902), (303, 21935), (316, 21980), (335, 22019), (355, 22067), (372, 22115), (397, 22178), (439, 22259), (485, 22310), (507, 22337),

Gene: Polykyu_20 Start: 9999, Stop: 10895, Start Num: 153

Candidate Starts for Polykyu_20:

(58, 9762), (Start: 153 @9999 has 7 MA's), (Start: 196 @10077 has 5 MA's), (241, 10164), (263, 10212), (273, 10227), (307, 10305), (322, 10350), (379, 10482), (412, 10575), (418, 10590), (477,

10689), (514, 10770), (542, 10818), (560, 10863),

Gene: Portcullis_45 Start: 35691, Stop: 36446, Start Num: 161

Candidate Starts for Portcullis_45:

(111, 35595), (Start: 161 @35691 has 34 MA's), (203, 35763), (226, 35799), (270, 35871), (373, 36066), (379, 36072), (390, 36099), (461, 36249), (511, 36333), (549, 36405),

Gene: Posh_28 Start: 22753, Stop: 23376, Start Num: 201

Candidate Starts for Posh_28:

(Start: 201 @22753 has 7 MA's), (218, 22762), (235, 22804), (254, 22840), (280, 22885), (290, 22906), (303, 22939), (316, 22984), (346, 23056), (355, 23071), (372, 23119), (393, 23164), (397, 23182), (406, 23203), (409, 23212), (439, 23266), (485, 23317), (507, 23344), (511, 23353), (513, 23356),

Gene: PrincePatrick_25 Start: 21553, Stop: 22266, Start Num: 169

Candidate Starts for PrincePatrick_25:

(Start: 155 @21538 has 1 MA's), (Start: 169 @21553 has 30 MA's), (181, 21565), (182, 21568), (184, 21571), (232, 21679), (253, 21709), (278, 21739), (304, 21784), (316, 21829), (320, 21838), (334, 21871), (338, 21889), (384, 21976), (387, 21982), (402, 22033), (410, 22054), (413, 22060), (430, 22099), (437, 22111), (485, 22183), (521, 22246),

Gene: PullumCavea_43 Start: 36377, Stop: 37132, Start Num: 161

Candidate Starts for PullumCavea_43:

(Start: 148 @36362 has 7 MA's), (Start: 161 @36377 has 34 MA's), (203, 36449), (226, 36485), (270, 36557), (373, 36752), (379, 36758), (390, 36785), (405, 36833), (461, 36935), (511, 37019), (549, 37091),

Gene: Pumpkiney_47 Start: 38004, Stop: 38729, Start Num: 163

Candidate Starts for Pumpkiney_47:

(67, 37788), (92, 37857), (105, 37893), (118, 37920), (Start: 163 @38004 has 47 MA's), (226, 38109), (268, 38169), (280, 38187), (304, 38229), (325, 38286), (334, 38310), (370, 38376), (412, 38475), (430, 38511), (448, 38538), (517, 38649), (540, 38685),

Gene: Pupper_177 Start: 129600, Stop: 130310, Start Num: 174

Candidate Starts for Pupper_177:

(Start: 174 @129600 has 60 MA's), (182, 129612), (199, 129651), (224, 129702), (270, 129786), (293, 129819), (300, 129837), (340, 129942), (343, 129945), (383, 130035), (390, 130059), (408, 130116), (439, 130164), (468, 130203), (511, 130275),

Gene: Puppies_35 Start: 26921, Stop: 27625, Start Num: 174

Candidate Starts for Puppies_35:

(Start: 158 @26903 has 1 MA's), (Start: 174 @26921 has 60 MA's), (182, 26933), (210, 26987), (223, 27017), (262, 27086), (274, 27104), (336, 27239), (390, 27365), (399, 27398), (406, 27416), (424, 27449), (480, 27527), (511, 27578),

Gene: Pytheas_28 Start: 22899, Stop: 23522, Start Num: 201

Candidate Starts for Pytheas_28:

(Start: 201 @22899 has 7 MA's), (218, 22908), (235, 22950), (254, 22986), (280, 23031), (290, 23052), (303, 23085), (316, 23130), (346, 23202), (355, 23217), (372, 23265), (393, 23310), (397, 23328), (406, 23349), (409, 23358), (439, 23412), (485, 23463), (507, 23490), (511, 23499), (513, 23502),

Gene: Pywacket_83 Start: 58931, Stop: 59782, Start Num: 163

Candidate Starts for Pywacket_83:

(Start: 144 @58907 has 1 MA's), (146, 58910), (Start: 163 @58931 has 47 MA's), (Start: 171 @58940 has 14 MA's), (184, 58961), (199, 59003), (202, 59009), (280, 59159), (287, 59168), (301, 59195), (306, 59207), (316, 59246), (390, 59426), (414, 59492), (417, 59501), (434, 59531), (451, 59558), (463, 59582), (489, 59636), (515, 59681), (520, 59693), (553, 59759),

Gene: Rabbitrun_118 Start: 66939, Stop: 67664, Start Num: 169

Candidate Starts for Rabbitrun_118:

(Start: 169 @66939 has 30 MA's), (199, 66999), (223, 67047), (239, 67083), (284, 67137), (311, 67200), (333, 67242), (342, 67266), (345, 67272), (377, 67341), (379, 67344), (430, 67464), (478, 67524), (558, 67656),

Gene: Ranch_90 Start: 58464, Stop: 59315, Start Num: 163

Candidate Starts for Ranch_90:

(82, 58287), (93, 58314), (97, 58323), (101, 58338), (106, 58347), (Start: 144 @58440 has 1 MA's), (146, 58443), (Start: 163 @58464 has 47 MA's), (Start: 171 @58473 has 14 MA's), (184, 58494), (199, 58536), (202, 58542), (280, 58692), (287, 58701), (301, 58728), (306, 58740), (316, 58779), (329, 58809), (330, 58812), (334, 58824), (390, 58959), (417, 59034), (434, 59064), (453, 59094), (462, 59112), (463, 59115), (489, 59169), (515, 59214), (553, 59292),

Gene: RanchParmCat_50 Start: 35272, Stop: 34418, Start Num: 130

Candidate Starts for RanchParmCat_50:

(52, 35509), (87, 35386), (Start: 123 @35287 has 1 MA's), (Start: 130 @35272 has 24 MA's), (139, 35254), (175, 35206), (183, 35194), (Start: 213 @35125 has 29 MA's), (Start: 216 @35119 has 2 MA's), (228, 35092), (235, 35074), (271, 35005), (276, 34993), (279, 34990), (299, 34942), (312, 34897), (359, 34786), (364, 34771), (381, 34732), (392, 34696), (395, 34684), (417, 34624), (419, 34621), (494, 34480), (509, 34459),

Gene: RavenCo17_24 Start: 20690, Stop: 21409, Start Num: 174

Candidate Starts for RavenCo17_24:

(15, 19883), (19, 20024), (43, 20324), (99, 20546), (Start: 174 @20690 has 60 MA's), (208, 20756), (220, 20783), (226, 20798), (253, 20843), (293, 20894), (303, 20915), (309, 20945), (334, 20999), (337, 21008), (338, 21017), (410, 21185), (413, 21191), (469, 21293), (505, 21356),

Gene: RayTheFireFly_27 Start: 22566, Stop: 23267, Start Num: 169

Candidate Starts for RayTheFireFly_27:

(Start: 169 @22566 has 30 MA's), (185, 22584), (220, 22659), (226, 22674), (293, 22770), (296, 22776), (309, 22821), (334, 22875), (337, 22884), (338, 22893), (380, 22968), (384, 22974), (410, 23052), (413, 23058), (485, 23181), (521, 23244),

Gene: RazorC_84 Start: 56931, Stop: 57782, Start Num: 163

Candidate Starts for RazorC_84:

(93, 56781), (97, 56790), (101, 56805), (106, 56814), (Start: 144 @56907 has 1 MA's), (146, 56910), (Start: 163 @56931 has 47 MA's), (Start: 179 @56952 has 2 MA's), (184, 56961), (199, 57003), (202, 57009), (224, 57054), (277, 57156), (280, 57159), (301, 57195), (306, 57207), (316, 57246), (329, 57276), (330, 57279), (334, 57291), (335, 57294), (390, 57426), (414, 57492), (417, 57501), (434, 57531), (451, 57558), (462, 57579), (489, 57636), (515, 57681), (553, 57759),

Gene: RedRaider_25 Start: 10628, Stop: 11401, Start Num: 130

Candidate Starts for RedRaider_25:

(Start: 130 @10628 has 24 MA's), (Start: 219 @10736 has 1 MA's), (220, 10739), (269, 10832), (338, 11000), (393, 11132), (428, 11225), (485, 11321), (517, 11375),

Gene: Reyja_51 Start: 33537, Stop: 34391, Start Num: 148

Candidate Starts for Reyja_51:

(Start: 148 @33537 has 7 MA's), (247, 33720), (336, 33918), (347, 33951), (384, 34044), (412, 34122), (469, 34233), (470, 34236), (474, 34242), (492, 34278), (508, 34305), (546, 34380),

Gene: Reynauld_61 Start: 54042, Stop: 53173, Start Num: 155

Candidate Starts for Reynauld_61:

(Start: 155 @54042 has 1 MA's), (177, 54015), (198, 53964), (200, 53958), (265, 53832), (314, 53715), (327, 53682), (338, 53643), (381, 53553), (412, 53466), (454, 53388), (470, 53355), (503, 53295), (513, 53274), (534, 53235), (540, 53226), (559, 53178),

Gene: Ribeye_46 Start: 40481, Stop: 41224, Start Num: 159

Candidate Starts for Ribeye_46:

(Start: 159 @40481 has 54 MA's), (Start: 176 @40499 has 3 MA's), (198, 40544), (226, 40589), (268, 40664), (280, 40682), (309, 40751), (358, 40844), (362, 40856), (430, 41012), (437, 41024), (454, 41051), (474, 41084), (491, 41111), (517, 41150), (536, 41177),

Gene: Rickmore_29 Start: 20743, Stop: 21531, Start Num: 193

Candidate Starts for Rickmore_29:

(Start: 193 @20743 has 58 MA's), (252, 20869), (259, 20884), (317, 21031), (335, 21073), (387, 21193), (409, 21265), (522, 21487),

Gene: Riduram_85 Start: 56506, Stop: 57357, Start Num: 163

Candidate Starts for Riduram_85:

(Start: 144 @56482 has 1 MA's), (146, 56485), (Start: 163 @56506 has 47 MA's), (Start: 179 @56527 has 2 MA's), (184, 56536), (199, 56578), (202, 56584), (224, 56629), (277, 56731), (280, 56734), (301, 56770), (306, 56782), (316, 56821), (329, 56851), (330, 56854), (334, 56866), (390, 57001), (414, 57067), (417, 57076), (434, 57106), (451, 57133), (462, 57154), (489, 57211), (493, 57220), (515, 57256), (553, 57334),

Gene: RiverRaider_46 Start: 38597, Stop: 39352, Start Num: 159

Candidate Starts for RiverRaider_46:

(Start: 159 @38597 has 54 MA's), (Start: 176 @38615 has 3 MA's), (Start: 193 @38645 has 58 MA's), (226, 38702), (253, 38747), (268, 38777), (283, 38798), (304, 38837), (328, 38903), (358, 38957), (412, 39086), (437, 39140), (454, 39167), (536, 39293), (545, 39314),

Gene: Rizz_28 Start: 21603, Stop: 22391, Start Num: 168

Candidate Starts for Rizz_28:

(Start: 157 @21591 has 33 MA's), (Start: 168 @21603 has 15 MA's), (Start: 176 @21615 has 3 MA's), (182, 21618), (Start: 193 @21645 has 58 MA's), (Start: 197 @21657 has 1 MA's), (226, 21708), (274, 21801), (301, 21846), (303, 21849), (304, 21852), (322, 21912), (329, 21930), (334, 21942), (335, 21945), (336, 21948), (381, 22038), (412, 22125), (542, 22347), (552, 22371),

Gene: RobinSparkles_42 Start: 41471, Stop: 42193, Start Num: 196

Candidate Starts for RobinSparkles_42:

(Start: 196 @41471 has 5 MA's), (199, 41477), (217, 41513), (222, 41525), (272, 41618), (316, 41744), (330, 41762), (332, 41768), (346, 41810), (368, 41864), (378, 41876), (412, 41972), (456, 42032), (514, 42146),

Gene: Rofo_46 Start: 40199, Stop: 40933, Start Num: 159

Candidate Starts for Rofo_46:

(89, 40052), (122, 40142), (Start: 159 @40199 has 54 MA's), (Start: 176 @40217 has 3 MA's), (226, 40304), (240, 40331), (268, 40379), (280, 40397), (304, 40439), (333, 40517), (358, 40559), (374, 40592), (430, 40727), (454, 40766), (517, 40865), (536, 40892), (551, 40925),

Gene: RogerDodger_47 Start: 36520, Stop: 37275, Start Num: 161

Candidate Starts for RogerDodger_47:

(119, 36442), (Start: 161 @36520 has 34 MA's), (203, 36592), (226, 36628), (270, 36700), (373, 36895), (379, 36901), (390, 36928), (405, 36976), (461, 37078), (511, 37162), (549, 37234),

Gene: Roney_27 Start: 19428, Stop: 20213, Start Num: 193

Candidate Starts for Roney_27:

(Start: 193 @19428 has 58 MA's), (199, 19443), (222, 19491), (236, 19524), (259, 19569), (261, 19575), (316, 19713), (331, 19746), (335, 19758), (408, 19947), (409, 19950), (447, 20025), (460, 20052), (522, 20172),

Gene: Rota_85 Start: 58898, Stop: 59749, Start Num: 163

Candidate Starts for Rota_85:

(Start: 144 @58874 has 1 MA's), (146, 58877), (Start: 163 @58898 has 47 MA's), (Start: 171 @58907 has 14 MA's), (184, 58928), (199, 58970), (202, 58976), (224, 59021), (280, 59126), (287, 59135), (301, 59162), (306, 59174), (316, 59213), (329, 59243), (330, 59246), (334, 59258), (390, 59393), (414, 59459), (417, 59468), (434, 59498), (462, 59546), (463, 59549), (489, 59603), (515, 59648), (553, 59726),

Gene: Rukungu_87 Start: 59252, Stop: 60103, Start Num: 163

Candidate Starts for Rukungu_87:

(82, 59075), (93, 59102), (97, 59111), (101, 59126), (106, 59135), (Start: 144 @59228 has 1 MA's), (146, 59231), (Start: 163 @59252 has 47 MA's), (Start: 171 @59261 has 14 MA's), (184, 59282), (199, 59324), (202, 59330), (224, 59375), (280, 59480), (301, 59516), (306, 59528), (316, 59567), (329, 59597), (330, 59600), (334, 59612), (390, 59747), (414, 59813), (417, 59822), (434, 59852), (451, 59879), (463, 59903), (489, 59957), (515, 60002), (520, 60014), (553, 60080),

Gene: Rumi_85 Start: 56474, Stop: 57325, Start Num: 163

Candidate Starts for Rumi_85:

(93, 56324), (97, 56333), (101, 56348), (106, 56357), (Start: 144 @56450 has 1 MA's), (146, 56453), (Start: 163 @56474 has 47 MA's), (Start: 171 @56483 has 14 MA's), (Start: 179 @56495 has 2 MA's), (184, 56504), (199, 56546), (202, 56552), (224, 56597), (277, 56699), (280, 56702), (301, 56738), (306, 56750), (316, 56789), (329, 56819), (330, 56822), (334, 56834), (335, 56837), (390, 56969), (414, 57035), (417, 57044), (434, 57074), (451, 57101), (462, 57122), (489, 57179), (515, 57224), (553, 57302),

Gene: Runhaar_30 Start: 22093, Stop: 22881, Start Num: 193

Candidate Starts for Runhaar_30:

(Start: 193 @22093 has 58 MA's), (227, 22168), (231, 22180), (259, 22234), (261, 22240), (287, 22285), (294, 22315), (317, 22381), (326, 22399), (331, 22411), (333, 22417), (335, 22423), (408, 22612), (409, 22615), (414, 22630), (447, 22690), (522, 22837),

Gene: Ruthy_29 Start: 24516, Stop: 25301, Start Num: 176

Candidate Starts for Ruthy_29:

(Start: 151 @24495 has 1 MA's), (Start: 159 @24504 has 54 MA's), (Start: 176 @24516 has 3 MA's), (182, 24519), (Start: 193 @24546 has 58 MA's), (Start: 197 @24558 has 1 MA's), (226, 24609), (304, 24753), (317, 24801), (322, 24813), (329, 24831), (334, 24843), (335, 24846), (336, 24849), (412, 25026), (422, 25047), (448, 25089), (511, 25194), (542, 25248), (552, 25272),

Gene: SCentae_176 Start: 129792, Stop: 130502, Start Num: 174

Candidate Starts for SCentae_176:

(Start: 174 @129792 has 60 MA's), (182, 129804), (199, 129843), (224, 129894), (270, 129978), (293, 130011), (300, 130029), (340, 130134), (343, 130137), (383, 130227), (390, 130251), (408, 130308), (439, 130356), (468, 130395), (511, 130467),

Gene: Sadboi_86 Start: 58752, Stop: 59600, Start Num: 163

Candidate Starts for Sadboi_86:

(Start: 144 @58728 has 1 MA's), (146, 58731), (152, 58740), (Start: 163 @58752 has 47 MA's), (Start: 171 @58761 has 14 MA's), (Start: 179 @58773 has 2 MA's), (184, 58782), (Start: 193 @58806 has 58 MA's), (199, 58824), (202, 58830), (228, 58881), (280, 58977), (287, 58986), (301, 59013), (306, 59025), (329, 59094), (330, 59097), (334, 59109), (390, 59244), (417, 59319), (434, 59349), (462, 59397), (463, 59400), (489, 59454), (515, 59499), (520, 59511), (553, 59577),

Gene: Sahara_23 Start: 19470, Stop: 20177, Start Num: 174

Candidate Starts for Sahara_23:

(99, 19326), (Start: 174 @19470 has 60 MA's), (199, 19527), (220, 19566), (253, 19626), (270, 19644), (272, 19647), (284, 19665), (304, 19701), (313, 19737), (320, 19755), (335, 19785), (369, 19860), (410, 19959), (413, 19965), (528, 20169),

Gene: Salvador_43 Start: 36189, Stop: 36944, Start Num: 161

Candidate Starts for Salvador_43:

(111, 36093), (Start: 161 @36189 has 34 MA's), (203, 36261), (226, 36297), (270, 36369), (281, 36384), (373, 36564), (379, 36570), (390, 36597), (405, 36645), (461, 36747), (511, 36831), (549, 36903),

Gene: Samba_25 Start: 21230, Stop: 22033, Start Num: 157

Candidate Starts for Samba_25:

(Start: 157 @21230 has 33 MA's), (Start: 193 @21278 has 58 MA's), (Start: 197 @21290 has 1 MA's), (205, 21305), (274, 21434), (284, 21446), (304, 21485), (317, 21533), (322, 21545), (329, 21563), (334, 21575), (335, 21578), (336, 21581), (412, 21758), (422, 21779), (425, 21785), (519, 21941), (542, 21977), (552, 22001), (561, 22022),

Gene: Samman98_25 Start: 21237, Stop: 22025, Start Num: 168

Candidate Starts for Samman98_25:

(Start: 157 @21225 has 33 MA's), (Start: 168 @21237 has 15 MA's), (Start: 176 @21249 has 3 MA's), (182, 21252), (Start: 193 @21279 has 58 MA's), (Start: 197 @21291 has 1 MA's), (226, 21342), (274, 21435), (301, 21480), (303, 21483), (304, 21486), (305, 21489), (322, 21546), (329, 21564), (334, 21576), (335, 21579), (336, 21582), (381, 21672), (412, 21759), (430, 21795), (511, 21927), (520, 21945), (542, 21981), (558, 22017),

Gene: Sampson_46 Start: 40628, Stop: 41350, Start Num: 163

Candidate Starts for Sampson_46:

(67, 40412), (105, 40517), (Start: 163 @40628 has 47 MA's), (226, 40733), (230, 40742), (268, 40793), (280, 40811), (304, 40853), (329, 40919), (331, 40925), (334, 40931), (370, 40997), (412, 41096), (517, 41270), (530, 41291), (540, 41306),

Gene: Sampudon_88 Start: 59669, Stop: 60520, Start Num: 163

Candidate Starts for Sampudon_88:

(Start: 144 @59645 has 1 MA's), (146, 59648), (Start: 163 @59669 has 47 MA's), (Start: 171 @59678 has 14 MA's), (184, 59699), (199, 59741), (202, 59747), (224, 59792), (280, 59897), (287, 59906), (301, 59933), (306, 59945), (316, 59984), (390, 60164), (414, 60230), (417, 60239), (434, 60269), (451, 60296), (463, 60320), (489, 60374), (515, 60419), (520, 60431), (553, 60497),

Gene: Sanjuju_44 Start: 40813, Stop: 41547, Start Num: 159

Candidate Starts for Sanjuju_44:

(89, 40666), (122, 40756), (Start: 159 @40813 has 54 MA's), (Start: 176 @40831 has 3 MA's), (226, 40918), (240, 40945), (268, 40993), (280, 41011), (304, 41053), (333, 41131), (358, 41173), (374, 41206), (430, 41341), (454, 41380), (517, 41479), (536, 41506), (551, 41539),

Gene: Santhid_48 Start: 31055, Stop: 31930, Start Num: 148

Candidate Starts for Santhid_48:

(64, 30830), (94, 30929), (98, 30938), (108, 30968), (126, 31019), (Start: 127 @31025 has 1 MA's), (Start: 148 @31055 has 7 MA's), (247, 31238), (335, 31457), (336, 31460), (347, 31493), (378, 31568), (381, 31574), (384, 31583), (412, 31661), (469, 31772), (470, 31775), (474, 31781), (492, 31817), (508, 31844), (546, 31919),

Gene: Saronaya_45 Start: 39323, Stop: 40066, Start Num: 159

Candidate Starts for Saronaya_45:

(Start: 159 @39323 has 54 MA's), (Start: 176 @39341 has 3 MA's), (198, 39386), (226, 39431), (260, 39494), (268, 39506), (280, 39524), (304, 39566), (309, 39593), (358, 39686), (362, 39698), (414, 39818), (430, 39854), (437, 39866), (454, 39893), (474, 39926), (495, 39959), (517, 39992), (536, 40019),

Gene: Savage_24 Start: 19798, Stop: 20505, Start Num: 174

Candidate Starts for Savage_24:

(99, 19654), (Start: 174 @19798 has 60 MA's), (199, 19855), (220, 19894), (249, 19945), (253, 19954), (270, 19972), (272, 19975), (304, 20029), (305, 20032), (313, 20065), (320, 20083), (334, 20110), (369, 20188), (397, 20257), (401, 20263), (410, 20287), (413, 20293), (528, 20497),

Gene: Savbucketdawg_44 Start: 35970, Stop: 36725, Start Num: 161

Candidate Starts for Savbucketdawg_44:

(111, 35874), (Start: 161 @35970 has 34 MA's), (203, 36042), (270, 36150), (301, 36195), (373, 36345), (379, 36351), (390, 36378), (405, 36426), (461, 36528), (511, 36612), (549, 36684),

Gene: ScarletRaider_30 Start: 24488, Stop: 25168, Start Num: 135

Candidate Starts for ScarletRaider_30:

(Start: 135 @24488 has 17 MA's), (Start: 219 @24545 has 1 MA's), (290, 24662), (303, 24695), (310, 24725), (311, 24728), (324, 24749), (326, 24755), (333, 24773), (338, 24794), (368, 24863), (381, 24887), (388, 24905), (393, 24926), (433, 25019), (439, 25028), (485, 25079), (524, 25148), (535, 25163),

Gene: Schnabeltier_26 Start: 21755, Stop: 22468, Start Num: 174

Candidate Starts for Schnabeltier_26:

(Start: 132 @21698 has 3 MA's), (Start: 174 @21755 has 60 MA's), (220, 21848), (226, 21863), (253, 21908), (305, 21986), (309, 22010), (337, 22073), (338, 22082), (379, 22157), (405, 22232), (410, 22244), (413, 22250), (485, 22385),

Gene: Schomber_30 Start: 21318, Stop: 22016, Start Num: 135

Candidate Starts for Schomber_30:

(Start: 125 @21300 has 1 MA's), (Start: 135 @21318 has 17 MA's), (Start: 219 @21381 has 1 MA's), (233, 21417), (271, 21477), (280, 21489), (290, 21510), (303, 21543), (310, 21573), (311, 21576), (324, 21597), (326, 21603), (328, 21609), (336, 21630), (381, 21735), (384, 21744), (406, 21813), (409, 21819), (426, 21855), (433, 21867), (475, 21906), (485, 21927), (524, 21996), (533, 22008), (535, 22011),

Gene: SchottB_44 Start: 40323, Stop: 41066, Start Num: 159

Candidate Starts for SchottB_44:

(Start: 159 @40323 has 54 MA's), (Start: 176 @40341 has 3 MA's), (198, 40386), (226, 40431), (268, 40506), (280, 40524), (304, 40566), (358, 40686), (362, 40698), (414, 40818), (430, 40854), (437, 40866), (454, 40893), (474, 40926), (495, 40959), (517, 40992), (536, 41019),

Gene: Schwartz33_31 Start: 22450, Stop: 23235, Start Num: 193

Candidate Starts for Schwartz33_31:

(141, 22369), (Start: 193 @22450 has 58 MA's), (231, 22537), (259, 22591), (310, 22720), (326, 22756), (330, 22765), (331, 22768), (335, 22780), (390, 22912), (408, 22969), (409, 22972), (490, 23137),

Gene: Scioto_47 Start: 40684, Stop: 41406, Start Num: 163

Candidate Starts for Scioto_47:

(67, 40468), (105, 40573), (Start: 163 @40684 has 47 MA's), (226, 40789), (230, 40798), (268, 40849), (280, 40867), (304, 40909), (329, 40975), (331, 40981), (334, 40987), (370, 41053), (412, 41152), (517, 41326), (530, 41347), (540, 41362),

Gene: Scuba_25 Start: 9756, Stop: 10550, Start Num: 123

Candidate Starts for Scuba_25:

(Start: 123 @9756 has 1 MA's), (Start: 219 @9885 has 1 MA's), (220, 9888), (248, 9945), (269, 9987), (316, 10101), (326, 10116), (333, 10134), (346, 10170), (378, 10239), (381, 10245), (406, 10323), (409, 10332), (433, 10386), (475, 10446),

Gene: Secretariat_28 Start: 21176, Stop: 21964, Start Num: 193

Candidate Starts for Secretariat_28:

(Start: 193 @21176 has 58 MA's), (231, 21263), (259, 21317), (305, 21419), (306, 21422), (316, 21461), (326, 21482), (330, 21491), (335, 21506), (390, 21638), (408, 21695), (409, 21698), (460, 21800), (490, 21863),

Gene: Sedona_45 Start: 40410, Stop: 41144, Start Num: 159

Candidate Starts for Sedona_45:

(149, 40404), (Start: 159 @40410 has 54 MA's), (Start: 176 @40428 has 3 MA's), (226, 40515), (240, 40542), (268, 40590), (280, 40608), (304, 40650), (333, 40728), (358, 40770), (430, 40938), (454, 40977), (517, 41076), (536, 41103), (551, 41136),

Gene: Sekhmet_25 Start: 21597, Stop: 22385, Start Num: 168

Candidate Starts for Sekhmet_25:

(Start: 157 @21585 has 33 MA's), (Start: 168 @21597 has 15 MA's), (Start: 176 @21609 has 3 MA's), (182, 21612), (Start: 197 @21651 has 1 MA's), (199, 21654), (226, 21702), (274, 21795), (301, 21840), (303, 21843), (304, 21846), (305, 21849), (322, 21906), (329, 21924), (335, 21939), (336, 21942), (375, 22020), (381, 22032), (390, 22059), (412, 22119), (430, 22155), (511, 22287), (520, 22305), (542, 22341), (558, 22377),

Gene: Sendy_45 Start: 36497, Stop: 37252, Start Num: 161

Candidate Starts for Sendy_45:

(136, 36461), (Start: 148 @36482 has 7 MA's), (Start: 161 @36497 has 34 MA's), (203, 36569), (226, 36605), (270, 36677), (310, 36758), (373, 36872), (379, 36878), (390, 36905), (405, 36953), (461, 37055), (511, 37139), (549, 37211),

Gene: Sephiroth_116 Start: 65083, Stop: 65805, Start Num: 173

Candidate Starts for Sephiroth_116:

(Start: 173 @65083 has 14 MA's), (Start: 196 @65131 has 5 MA's), (212, 65158), (Start: 219 @65173 has 1 MA's), (304, 65305), (392, 65515), (444, 65617), (495, 65689), (552, 65788), (554, 65791),

Gene: ShaggyRogers_30 Start: 22096, Stop: 22884, Start Num: 193

Candidate Starts for ShaggyRogers_30:

(Start: 193 @22096 has 58 MA's), (214, 22141), (231, 22183), (252, 22222), (259, 22237), (335, 22426), (387, 22546), (408, 22615), (409, 22618), (447, 22693), (522, 22840),

Gene: Shatter_42 Start: 35273, Stop: 35995, Start Num: 173

Candidate Starts for Shatter_42:

(32, 34883), (66, 35060), (102, 35168), (Start: 173 @35273 has 14 MA's), (256, 35435), (293, 35480), (313, 35543), (320, 35561), (334, 35588), (369, 35666), (371, 35669), (397, 35738), (410, 35768), (413, 35774), (518, 35963),

Gene: ShawBrad_28 Start: 21511, Stop: 22134, Start Num: 213

Candidate Starts for ShawBrad_28:

(51, 21136), (66, 21193), (76, 21238), (99, 21292), (100, 21295), (117, 21331), (Start: 130 @21376 has 24 MA's), (133, 21379), (Start: 213 @21511 has 29 MA's), (Start: 216 @21517 has 2 MA's), (229, 21547), (235, 21562), (306, 21703), (316, 21742), (346, 21814), (372, 21877), (393, 21922), (397, 21940), (406, 21961), (409, 21970), (507, 22102), (511, 22111), (516, 22123),

Gene: Shinji_44 Start: 35841, Stop: 36488, Start Num: 226

Candidate Starts for Shinji_44:

(Start: 148 @35718 has 7 MA's), (Start: 161 @35733 has 34 MA's), (192, 35778), (203, 35805), (226, 35841), (270, 35913), (310, 35994), (373, 36108), (379, 36114), (390, 36141), (405, 36189), (461, 36291), (511, 36375), (549, 36447),

Gene: Shivanishola_45 Start: 39080, Stop: 39814, Start Num: 159

Candidate Starts for Shivanishola_45:

(89, 38933), (122, 39023), (Start: 159 @39080 has 54 MA's), (Start: 176 @39098 has 3 MA's), (226, 39185), (240, 39212), (268, 39260), (280, 39278), (304, 39320), (333, 39398), (358, 39440), (374, 39473), (430, 39608), (454, 39647), (517, 39746), (536, 39773), (551, 39806),

Gene: Shlim410_25 Start: 21831, Stop: 22619, Start Num: 168

Candidate Starts for Shlim410_25:

(Start: 157 @21819 has 33 MA's), (Start: 168 @21831 has 15 MA's), (Start: 176 @21843 has 3 MA's), (182, 21846), (Start: 193 @21873 has 58 MA's), (Start: 197 @21885 has 1 MA's), (226, 21936), (274, 22029), (301, 22074), (303, 22077), (304, 22080), (322, 22140), (329, 22158), (334, 22170), (335, 22173), (336, 22176), (381, 22266), (412, 22353), (511, 22521), (520, 22539), (542, 22575), (552, 22599),

Gene: Sidious_26 Start: 22171, Stop: 22956, Start Num: 165

Candidate Starts for Sidious_26:

(Start: 165 @22171 has 3 MA's), (Start: 193 @22213 has 58 MA's), (Start: 197 @22225 has 1 MA's), (Start: 219 @22258 has 1 MA's), (226, 22276), (274, 22369), (304, 22420), (321, 22477), (322, 22480), (329, 22498), (334, 22510), (335, 22513), (336, 22516), (397, 22663), (412, 22693), (425, 22720), (448, 22756), (511, 22861), (519, 22876), (520, 22879), (542, 22912),

Gene: Sienna_96 Start: 65667, Stop: 66386, Start Num: 173

Candidate Starts for Sienna_96:

(87, 65493), (90, 65496), (Start: 173 @65667 has 14 MA's), (311, 65952), (329, 65997), (383, 66108), (428, 66225), (431, 66231), (452, 66264), (463, 66273), (476, 66294), (485, 66312), (511, 66351), (513, 66354), (523, 66375),

Gene: Sisko_42 Start: 36073, Stop: 36798, Start Num: 171

Candidate Starts for Sisko_42:

(75, 35875), (102, 35947), (Start: 171 @36073 has 14 MA's), (Start: 179 @36082 has 2 MA's), (253, 36232), (256, 36238), (278, 36262), (284, 36271), (293, 36283), (298, 36298), (310, 36340), (320, 36364), (335, 36394), (376, 36478), (397, 36541), (407, 36565), (410, 36571), (513, 36754), (516, 36763),

Gene: Sitar_45 Start: 40763, Stop: 41497, Start Num: 159

Candidate Starts for Sitar_45:

(122, 40706), (Start: 159 @40763 has 54 MA's), (Start: 176 @40781 has 3 MA's), (226, 40868), (240, 40895), (268, 40943), (280, 40961), (304, 41003), (333, 41081), (358, 41123), (374, 41156), (430, 41291), (454, 41330), (517, 41429), (536, 41456), (551, 41489),

Gene: Sixama_183 Start: 106329, Stop: 105496, Start Num: 109

Candidate Starts for Sixama_183:

(Start: 109 @106329 has 1 MA's), (116, 106317), (Start: 173 @106209 has 14 MA's), (199, 106155), (200, 106152), (223, 106107), (300, 105969), (316, 105918), (320, 105909), (389, 105753), (390, 105747), (396, 105720), (399, 105714), (406, 105696), (411, 105687), (426, 105663), (513, 105528),

Gene: Sixsevenium_47 Start: 36863, Stop: 37483, Start Num: 239

Candidate Starts for Sixsevenium_47:

(64, 36485), (106, 36617), (141, 36701), (Start: 148 @36713 has 7 MA's), (Start: 161 @36728 has 34 MA's), (177, 36746), (203, 36800), (225, 36833), (226, 36836), (239, 36863), (270, 36908), (373, 37103), (379, 37109), (405, 37184), (461, 37286), (511, 37370), (549, 37442), (556, 37454),

Gene: Skog_9 Start: 6153, Stop: 6860, Start Num: 174

Candidate Starts for Skog_9:

(Start: 174 @6153 has 60 MA's), (199, 6204), (224, 6255), (293, 6372), (300, 6390), (320, 6450), (338, 6492), (343, 6498), (383, 6585), (390, 6609), (408, 6666), (439, 6714), (468, 6753), (511, 6825),

Gene: Skysand_20 Start: 9079, Stop: 9852, Start Num: 130

Candidate Starts for Skysand_20:

(Start: 130 @9079 has 24 MA's), (Start: 219 @9187 has 1 MA's), (220, 9190), (248, 9241), (269, 9283), (316, 9397), (338, 9451), (393, 9583), (485, 9772), (517, 9826),

Gene: SmokingBunny_44 Start: 36282, Stop: 37037, Start Num: 161

Candidate Starts for SmokingBunny_44:

(136, 36246), (Start: 148 @36267 has 7 MA's), (Start: 161 @36282 has 34 MA's), (203, 36354), (226, 36390), (270, 36462), (310, 36543), (373, 36657), (379, 36663), (390, 36690), (405, 36738), (461, 36840), (511, 36924), (549, 36996),

Gene: SoilAssassin_24 Start: 19791, Stop: 20498, Start Num: 174

Candidate Starts for SoilAssassin_24:

(99, 19647), (Start: 174 @19791 has 60 MA's), (199, 19848), (220, 19887), (253, 19947), (270, 19965), (272, 19968), (284, 19986), (304, 20022), (305, 20025), (313, 20058), (320, 20076), (334, 20103), (369, 20181), (397, 20250), (410, 20280), (413, 20286), (528, 20490),

Gene: Soilmate_27 Start: 21251, Stop: 22045, Start Num: 154

Candidate Starts for Soilmate_27:

(29, 20858), (50, 20987), (76, 21098), (90, 21125), (103, 21161), (Start: 154 @21251 has 6 MA's), (Start: 193 @21293 has 58 MA's), (Start: 197 @21305 has 1 MA's), (226, 21356), (274, 21449), (284, 21461), (303, 21497), (304, 21500), (317, 21548), (321, 21557), (322, 21560), (329, 21578), (334, 21590), (335, 21593), (336, 21596), (412, 21773), (422, 21794), (425, 21800), (448, 21836), (542, 21992), (552, 22016), (561, 22034),

Gene: Sour_47 Start: 39940, Stop: 40659, Start Num: 171

Candidate Starts for Sour_47:

(102, 39817), (Start: 171 @39940 has 14 MA's), (181, 39949), (208, 40009), (253, 40096), (256, 40102), (278, 40126), (293, 40147), (303, 40171), (305, 40177), (310, 40204), (313, 40210), (320, 40228), (334, 40255), (335, 40258), (397, 40402), (410, 40432), (505, 40600), (524, 40639),

Gene: SpeedDemon_1340 Start: 81228, Stop: 81950, Start Num: 169

Candidate Starts for SpeedDemon_1340:

(84, 81057), (128, 81177), (Start: 142 @81201 has 1 MA's), (Start: 169 @81228 has 30 MA's), (198, 81285), (249, 81381),

Gene: Spooky_28 Start: 21590, Stop: 22213, Start Num: 213

Candidate Starts for Spooky_28:

(51, 21218), (66, 21275), (76, 21320), (99, 21374), (100, 21377), (117, 21413), (Start: 130 @21458 has 24 MA's), (133, 21461), (Start: 213 @21590 has 29 MA's), (218, 21599), (229, 21626), (235, 21641), (266, 21701), (308, 21794), (316, 21821), (346, 21893), (372, 21956), (393, 22001), (397, 22019), (406, 22040), (409, 22049), (507, 22181), (511, 22190),

Gene: Sprinklemunch_29 Start: 26070, Stop: 26876, Start Num: 160

Candidate Starts for Sprinklemunch_29:

(Start: 160 @26070 has 2 MA's), (Start: 168 @26079 has 15 MA's), (Start: 176 @26091 has 3 MA's), (182, 26094), (Start: 193 @26121 has 58 MA's), (Start: 197 @26133 has 1 MA's), (226, 26184), (259, 26250), (303, 26325), (304, 26328), (305, 26331), (316, 26373), (317, 26376), (321, 26385), (322, 26388), (329, 26406), (334, 26418), (335, 26421), (381, 26514), (397, 26571), (412, 26601), (448, 26664), (511, 26769), (542, 26823), (552, 26847),

Gene: Sproutie_24 Start: 19798, Stop: 20505, Start Num: 174

Candidate Starts for Sproutie_24:

(99, 19654), (Start: 174 @19798 has 60 MA's), (199, 19855), (220, 19894), (249, 19945), (253, 19954), (270, 19972), (272, 19975), (304, 20029), (305, 20032), (313, 20065), (320, 20083), (334, 20110), (369, 20188), (397, 20257), (401, 20263), (410, 20287), (413, 20293), (528, 20497),

Gene: Squiddly_30 Start: 23002, Stop: 23625, Start Num: 213

Candidate Starts for Squiddly_30:

(51, 22630), (66, 22687), (76, 22732), (99, 22786), (100, 22789), (117, 22825), (Start: 130 @22870 has 24 MA's), (133, 22873), (Start: 213 @23002 has 29 MA's), (218, 23011), (229, 23038), (235, 23053), (266, 23113), (308, 23206), (316, 23233), (346, 23305), (372, 23368), (393, 23413), (397, 23431), (406, 23452), (409, 23461), (507, 23593), (511, 23602),

Gene: Srilaccoli3_56 Start: 53248, Stop: 52379, Start Num: 155

Candidate Starts for Srilaccoli3_56:

(15, 54031), (16, 54016), (24, 53749), (49, 53539), (69, 53455), (105, 53353), (129, 53290), (Start: 155 @53248 has 1 MA's), (200, 53164), (239, 53086), (255, 53056), (265, 53038), (327, 52888), (336, 52861), (338, 52849), (381, 52759), (412, 52672), (454, 52594), (470, 52561), (513, 52480), (534, 52441), (540, 52432), (559, 52384),

Gene: StarStruck_19 Start: 8535, Stop: 9323, Start Num: 135

Candidate Starts for StarStruck_19:

(Start: 135 @8535 has 17 MA's), (138, 8544), (208, 8634), (Start: 219 @8658 has 1 MA's), (225, 8673), (245, 8706), (269, 8754), (338, 8922), (347, 8943), (485, 9249), (491, 9258), (497, 9264), (503, 9273), (515, 9297),

Gene: Stichling_43 Start: 38843, Stop: 39586, Start Num: 159

Candidate Starts for Stichling_43:

(Start: 159 @38843 has 54 MA's), (Start: 176 @38861 has 3 MA's), (198, 38906), (226, 38951), (268, 39026), (280, 39044), (304, 39086), (309, 39113), (358, 39206), (362, 39218), (430, 39374), (437, 39386), (454, 39413), (474, 39446), (517, 39512), (536, 39539),

Gene: Stormer_86 Start: 56637, Stop: 57467, Start Num: 179

Candidate Starts for Stormer_86:

(93, 56466), (97, 56475), (101, 56490), (106, 56499), (Start: 144 @56592 has 1 MA's), (146, 56595), (Start: 163 @56616 has 47 MA's), (Start: 171 @56625 has 14 MA's), (Start: 179 @56637 has 2 MA's), (184, 56646), (199, 56688), (202, 56694), (224, 56739), (277, 56841), (280, 56844), (301, 56880), (306, 56892), (316, 56931), (329, 56961), (330, 56964), (334, 56976), (335, 56979), (390, 57111), (414, 57177), (417, 57186), (434, 57216), (451, 57243), (462, 57264), (489, 57321), (515, 57366), (553, 57444),

Gene: StorminNorm_45 Start: 39414, Stop: 40157, Start Num: 159

Candidate Starts for StorminNorm_45:

(Start: 159 @39414 has 54 MA's), (Start: 176 @39432 has 3 MA's), (198, 39477), (226, 39522), (268, 39597), (280, 39615), (292, 39627), (304, 39657), (309, 39684), (358, 39777), (362, 39789), (430, 39945), (437, 39957), (454, 39984), (474, 40017), (517, 40083), (536, 40110),

Gene: Stultus_44 Start: 39716, Stop: 40450, Start Num: 159

Candidate Starts for Stultus_44:

(122, 39659), (Start: 159 @39716 has 54 MA's), (Start: 176 @39734 has 3 MA's), (226, 39821), (240, 39848), (268, 39896), (280, 39914), (304, 39956), (333, 40034), (358, 40076), (374, 40109), (430, 40244), (454, 40283), (517, 40382), (536, 40409), (551, 40442),

Gene: Suerte_23 Start: 20721, Stop: 21509, Start Num: 168

Candidate Starts for Suerte_23:

(Start: 157 @20709 has 33 MA's), (Start: 168 @20721 has 15 MA's), (Start: 176 @20733 has 3 MA's), (182, 20736), (Start: 193 @20763 has 58 MA's), (Start: 197 @20775 has 1 MA's), (226, 20826), (274, 20919), (301, 20964), (304, 20970), (322, 21030), (329, 21048), (334, 21060), (335, 21063), (336, 21066), (381, 21156), (390, 21183), (412, 21243), (430, 21279), (511, 21411), (520, 21429), (542, 21465),

Gene: Sukkupi_19 Start: 7686, Stop: 8480, Start Num: 132

Candidate Starts for Sukkupi_19:

(Start: 132 @7686 has 3 MA's), (Start: 219 @7800 has 1 MA's), (220, 7803), (225, 7815), (269, 7896), (333, 8046), (340, 8070), (355, 8103), (405, 8235), (468, 8361), (485, 8397), (517, 8451),

Gene: SuperSulley_20 Start: 8964, Stop: 9755, Start Num: 135

Candidate Starts for SuperSulley_20:

(Start: 135 @8964 has 17 MA's), (138, 8973), (180, 9009), (211, 9072), (Start: 219 @9090 has 1 MA's), (225, 9105), (239, 9129), (245, 9138), (269, 9186), (290, 9222), (333, 9333), (347, 9375), (475, 9660), (485, 9681), (491, 9690), (497, 9696), (515, 9729),

Gene: Suscepit_27 Start: 22303, Stop: 22923, Start Num: 207

Candidate Starts for Suscepit_27:

(49, 21928), (99, 22099), (100, 22102), (Start: 130 @22183 has 24 MA's), (143, 22204), (Start: 207 @22303 has 17 MA's), (Start: 216 @22312 has 2 MA's), (235, 22357), (280, 22438), (316, 22537), (334, 22573), (355, 22624), (372, 22672), (397, 22735), (409, 22765), (439, 22816), (485, 22867), (507, 22894),

Gene: SushiChef_27 Start: 22481, Stop: 23125, Start Num: 194

Candidate Starts for SushiChef_27:

(143, 22409), (178, 22448), (194, 22481), (Start: 206 @22508 has 12 MA's), (Start: 216 @22517 has 2 MA's), (235, 22559), (243, 22571), (266, 22619), (280, 22640), (290, 22661), (303, 22694), (316, 22739), (334, 22775), (335, 22778), (355, 22826), (397, 22937), (409, 22967), (439, 23018), (507, 23096),

Gene: Suzy_95 Start: 65979, Stop: 66695, Start Num: 174

Candidate Starts for Suzy_95:

(Start: 174 @65979 has 60 MA's), (258, 66147), (311, 66261), (340, 66327), (431, 66540), (452, 66573), (476, 66603), (513, 66663), (523, 66684),

Gene: SweetCrkHerbs_29 Start: 19513, Stop: 20298, Start Num: 193

Candidate Starts for SweetCrkHerbs_29:

(Start: 193 @19513 has 58 MA's), (199, 19528), (234, 19606), (259, 19654), (261, 19660), (316, 19798), (335, 19843), (408, 20032), (409, 20035), (447, 20110), (460, 20137),

Gene: Syleon_121 Start: 65865, Stop: 66587, Start Num: 173

Candidate Starts for Syleon_121:

(Start: 173 @65865 has 14 MA's), (Start: 196 @65913 has 5 MA's), (212, 65940), (Start: 219 @65955 has 1 MA's), (304, 66087), (392, 66297), (430, 66384), (444, 66399), (495, 66471), (505, 66486), (552, 66570), (554, 66573),

Gene: TPA4_30 Start: 27688, Stop: 28482, Start Num: 160

Candidate Starts for TPA4_30:

(77, 27505), (Start: 160 @27688 has 2 MA's), (202, 27760), (233, 27820), (253, 27856), (264, 27880), (393, 28165), (412, 28213), (466, 28309), (498, 28354),

Gene: Tairn4Wing_29 Start: 19346, Stop: 20131, Start Num: 193

Candidate Starts for Tairn4Wing_29:

(Start: 193 @19346 has 58 MA's), (214, 19391), (259, 19487), (261, 19493), (316, 19631), (331, 19664), (335, 19676), (408, 19865), (409, 19868), (447, 19943), (522, 20090),

Gene: Talon44_28 Start: 19513, Stop: 20298, Start Num: 193

Candidate Starts for Talon44_28:

(Start: 193 @19513 has 58 MA's), (199, 19528), (234, 19606), (259, 19654), (261, 19660), (316, 19798), (335, 19843), (408, 20032), (409, 20035), (447, 20110), (460, 20137),

Gene: Tangent_46 Start: 39790, Stop: 40524, Start Num: 159

Candidate Starts for Tangent_46:

(89, 39643), (122, 39733), (Start: 159 @39790 has 54 MA's), (Start: 176 @39808 has 3 MA's), (226, 39895), (240, 39922), (268, 39970), (280, 39988), (304, 40030), (333, 40108), (358, 40150), (374, 40183), (430, 40318), (454, 40357), (517, 40456), (536, 40483), (551, 40516),

Gene: Tangerine_45 Start: 39195, Stop: 39938, Start Num: 159

Candidate Starts for Tangerine_45:

(Start: 159 @39195 has 54 MA's), (Start: 176 @39213 has 3 MA's), (198, 39258), (226, 39303), (268, 39378), (280, 39396), (304, 39438), (309, 39465), (358, 39558), (362, 39570), (430, 39726), (437, 39738), (454, 39765), (474, 39798), (495, 39831), (517, 39864), (536, 39891),

Gene: Tanis_27 Start: 19278, Stop: 20063, Start Num: 193

Candidate Starts for Tanis_27:

(Start: 193 @19278 has 58 MA's), (199, 19293), (222, 19341), (236, 19374), (259, 19419), (261, 19425), (316, 19563), (331, 19596), (335, 19608), (408, 19797), (409, 19800), (447, 19875), (460,

19902), (522, 20022),

Gene: Tardus_47 Start: 40038, Stop: 40760, Start Num: 163

Candidate Starts for Tardus_47:

(67, 39822), (92, 39891), (105, 39927), (Start: 163 @40038 has 47 MA's), (226, 40143), (230, 40152), (268, 40203), (280, 40221), (304, 40263), (334, 40341), (412, 40506), (430, 40542), (448, 40569), (517, 40680), (540, 40716),

Gene: TaronosaurusRx_26 Start: 21786, Stop: 22499, Start Num: 174

Candidate Starts for TaronosaurusRx_26:

(Start: 132 @21729 has 3 MA's), (137, 21738), (Start: 174 @21786 has 60 MA's), (208, 21852), (220, 21879), (226, 21894), (253, 21939), (293, 21990), (305, 22017), (309, 22041), (337, 22104), (338, 22113), (379, 22188), (405, 22263), (410, 22275), (413, 22281), (469, 22383),

Gene: Tarzan_50 Start: 32536, Stop: 33387, Start Num: 148

Candidate Starts for Tarzan_50:

(124, 32500), (Start: 127 @32506 has 1 MA's), (Start: 148 @32536 has 7 MA's), (247, 32719), (336, 32917), (347, 32950), (378, 33025), (384, 33040), (412, 33118), (469, 33229), (470, 33232), (474, 33238), (492, 33274), (508, 33301), (546, 33376),

Gene: Tayonia_27 Start: 22303, Stop: 22923, Start Num: 207

Candidate Starts for Tayonia_27:

(49, 21928), (99, 22099), (100, 22102), (Start: 130 @22183 has 24 MA's), (143, 22204), (Start: 207 @22303 has 17 MA's), (Start: 216 @22312 has 2 MA's), (235, 22357), (280, 22438), (316, 22537), (334, 22573), (355, 22624), (372, 22672), (397, 22735), (409, 22765), (439, 22816), (485, 22867), (507, 22894),

Gene: TenaciousP_31 Start: 23744, Stop: 24532, Start Num: 193

Candidate Starts for TenaciousP_31:

(Start: 193 @23744 has 58 MA's), (214, 23789), (227, 23819), (231, 23831), (259, 23885), (317, 24032), (335, 24074), (367, 24158), (408, 24263), (409, 24266), (447, 24341), (522, 24488),

Gene: Terapin_96 Start: 65473, Stop: 66189, Start Num: 174

Candidate Starts for Terapin_96:

(Start: 174 @65473 has 60 MA's), (311, 65755), (329, 65800), (383, 65911), (428, 66028), (431, 66034), (452, 66067), (463, 66076), (476, 66097), (485, 66115), (511, 66154), (513, 66157), (523, 66178),

Gene: Thales_26 Start: 21024, Stop: 21719, Start Num: 135

Candidate Starts for Thales_26:

(Start: 135 @21024 has 17 MA's), (Start: 219 @21084 has 1 MA's), (244, 21129), (280, 21192), (290, 21213), (303, 21246), (311, 21279), (356, 21378), (368, 21414), (381, 21438), (384, 21447), (397, 21495), (403, 21507), (406, 21516), (426, 21558), (475, 21609), (522, 21696),

Gene: ThankyouJordi_24 Start: 22284, Stop: 22901, Start Num: 206

Candidate Starts for ThankyouJordi_24:

(143, 22185), (178, 22224), (194, 22257), (Start: 206 @22284 has 12 MA's), (215, 22290), (Start: 216 @22293 has 2 MA's), (235, 22335), (266, 22395), (303, 22470), (308, 22488), (316, 22515), (334, 22551), (355, 22602), (361, 22623), (397, 22713), (439, 22794), (507, 22872),

Gene: Thimann_25 Start: 21189, Stop: 21977, Start Num: 168

Candidate Starts for Thimann_25:

(Start: 157 @21177 has 33 MA's), (Start: 168 @21189 has 15 MA's), (Start: 176 @21201 has 3 MA's), (182, 21204), (Start: 193 @21231 has 58 MA's), (Start: 197 @21243 has 1 MA's), (226, 21294), (274, 21387), (301, 21432), (304, 21438), (322, 21498), (329, 21516), (334, 21528), (335, 21531), (336, 21534), (381, 21624), (390, 21651), (412, 21711), (430, 21747), (511, 21879), (520, 21897), (542, 21933),

Gene: Thing3_43 Start: 39019, Stop: 39753, Start Num: 159

Candidate Starts for Thing3_43:

(122, 38962), (Start: 159 @39019 has 54 MA's), (Start: 176 @39037 has 3 MA's), (226, 39124), (240, 39151), (268, 39199), (280, 39217), (304, 39259), (333, 39337), (358, 39379), (374, 39412), (430, 39547), (454, 39586), (517, 39685), (536, 39712), (551, 39745),

Gene: Tillicus_80 Start: 58169, Stop: 59020, Start Num: 163

Candidate Starts for Tillicus_80:

(146, 58148), (Start: 163 @58169 has 47 MA's), (Start: 171 @58178 has 14 MA's), (Start: 179 @58190 has 2 MA's), (184, 58199), (Start: 193 @58223 has 58 MA's), (199, 58241), (226, 58298), (301, 58433), (311, 58472), (316, 58484), (330, 58517), (334, 58529), (341, 58550), (381, 58637), (390, 58664), (401, 58700), (414, 58730), (419, 58742), (434, 58769), (462, 58817), (463, 58820), (489, 58874), (555, 59000),

Gene: TillyBobJoe_44 Start: 36086, Stop: 36841, Start Num: 161

Candidate Starts for TillyBobJoe_44:

(136, 36050), (Start: 148 @36071 has 7 MA's), (Start: 161 @36086 has 34 MA's), (203, 36158), (226, 36194), (270, 36266), (310, 36347), (373, 36461), (379, 36467), (390, 36494), (405, 36542), (461, 36644), (511, 36728), (549, 36800), (552, 36806),

Gene: TimTam_25 Start: 22309, Stop: 22926, Start Num: 206

Candidate Starts for TimTam_25:

(143, 22210), (178, 22249), (194, 22282), (Start: 206 @22309 has 12 MA's), (Start: 216 @22318 has 2 MA's), (235, 22360), (243, 22372), (266, 22420), (280, 22441), (290, 22462), (303, 22495), (305, 22498), (316, 22540), (334, 22576), (355, 22627), (372, 22675), (397, 22738), (409, 22768), (439, 22819), (507, 22897),

Gene: TinyDot_25 Start: 19158, Stop: 19859, Start Num: 174

Candidate Starts for TinyDot_25:

(25, 18633), (36, 18750), (40, 18777), (42, 18780), (47, 18819), (59, 18876), (60, 18879), (69, 18924), (111, 19041), (145, 19122), (Start: 161 @19143 has 34 MA's), (Start: 174 @19158 has 60 MA's), (181, 19167), (220, 19251), (226, 19266), (249, 19302), (303, 19383), (310, 19416), (313, 19422), (334, 19467), (348, 19506), (410, 19644), (413, 19650), (443, 19707), (528, 19851),

Gene: Toast_26 Start: 21477, Stop: 22187, Start Num: 169

Candidate Starts for Toast_26:

(Start: 169 @21477 has 30 MA's), (181, 21489), (184, 21495), (253, 21633), (278, 21663), (304, 21708), (309, 21735), (320, 21762), (338, 21813), (374, 21882), (384, 21897), (387, 21903), (394, 21933), (410, 21975), (413, 21981), (437, 22032), (485, 22104), (521, 22167),

Gene: Togo_43 Start: 36282, Stop: 37037, Start Num: 161

Candidate Starts for Togo_43:

(136, 36246), (Start: 148 @36267 has 7 MA's), (Start: 161 @36282 has 34 MA's), (203, 36354), (226, 36390), (270, 36462), (310, 36543), (373, 36657), (379, 36663), (390, 36690), (405, 36738), (461, 36840), (511, 36924), (549, 36996),

Gene: Tonaltzin_32 Start: 22314, Stop: 23102, Start Num: 193

Candidate Starts for Tonaltzin_32:

(Start: 193 @22314 has 58 MA's), (214, 22359), (227, 22389), (231, 22401), (259, 22455), (317, 22602), (330, 22629), (335, 22644), (367, 22728), (408, 22833), (409, 22836), (447, 22911), (522, 23058),

Gene: Toneprano_30 Start: 21568, Stop: 22266, Start Num: 135

Candidate Starts for Toneprano_30:

(Start: 125 @21550 has 1 MA's), (Start: 135 @21568 has 17 MA's), (Start: 219 @21631 has 1 MA's), (233, 21667), (271, 21727), (280, 21739), (290, 21760), (303, 21793), (310, 21823), (311, 21826), (324, 21847), (326, 21853), (328, 21859), (336, 21880), (381, 21985), (384, 21994), (406, 22063), (409, 22069), (426, 22105), (433, 22117), (475, 22156), (485, 22177), (524, 22246), (533, 22258), (535, 22261),

Gene: Towmatter_121 Start: 74465, Stop: 75190, Start Num: 161

Candidate Starts for Towmatter_121:

(Start: 161 @74465 has 34 MA's), (315, 74744), (342, 74801), (414, 74966), (444, 75017), (450, 75029), (478, 75065), (521, 75128),

Gene: Tracker_19 Start: 9229, Stop: 9954, Start Num: 130

Candidate Starts for Tracker_19:

(Start: 130 @9229 has 24 MA's), (Start: 157 @9253 has 33 MA's), (187, 9286), (220, 9289), (239, 9325), (248, 9340), (269, 9382), (291, 9421), (333, 9529), (381, 9646), (405, 9721), (428, 9778), (455, 9820), (475, 9853), (485, 9874), (497, 9889), (529, 9949),

Gene: TraderJ_45 Start: 37582, Stop: 38304, Start Num: 171

Candidate Starts for TraderJ_45:

(78, 37396), (Start: 171 @37582 has 14 MA's), (256, 37744), (282, 37771), (285, 37777), (334, 37891), (376, 37975), (410, 38068), (422, 38098),

Gene: Trax_117 Start: 66615, Stop: 67343, Start Num: 169

Candidate Starts for Trax_117:

(Start: 169 @66615 has 30 MA's), (182, 66630), (199, 66675), (204, 66684), (223, 66723), (239, 66759), (284, 66813), (311, 66879), (342, 66945), (353, 66966), (379, 67023), (430, 67143), (478, 67203), (558, 67335),

Gene: Trine_36 Start: 27342, Stop: 28031, Start Num: 174

Candidate Starts for Trine_36:

(Start: 153 @27315 has 7 MA's), (Start: 174 @27342 has 60 MA's), (182, 27354), (Start: 213 @27417 has 29 MA's), (223, 27438), (226, 27447), (262, 27504), (336, 27657), (381, 27753), (384, 27762), (399, 27813), (406, 27831), (416, 27852),

Gene: Trufflozitus_30 Start: 19347, Stop: 20132, Start Num: 193

Candidate Starts for Trufflozitus_30:

(Start: 193 @19347 has 58 MA's), (214, 19392), (259, 19488), (261, 19494), (316, 19632), (331, 19665), (335, 19677), (408, 19866), (409, 19869), (447, 19944), (522, 20091),

Gene: Trumpet_27 Start: 22303, Stop: 22923, Start Num: 207

Candidate Starts for Trumpet_27:

(49, 21928), (99, 22099), (100, 22102), (Start: 130 @22183 has 24 MA's), (143, 22204), (Start: 207 @22303 has 17 MA's), (Start: 216 @22312 has 2 MA's), (235, 22357), (280, 22438), (316, 22537), (334, 22573), (355, 22624), (372, 22672), (397, 22735), (409, 22765), (439, 22816), (485, 22867), (507, 22894),

Gene: TuertoX_24 Start: 19798, Stop: 20505, Start Num: 174

Candidate Starts for TuertoX_24:

(99, 19654), (Start: 174 @19798 has 60 MA's), (199, 19855), (220, 19894), (249, 19945), (253, 19954), (270, 19972), (272, 19975), (304, 20029), (305, 20032), (313, 20065), (320, 20083), (334, 20110), (369, 20188), (397, 20257), (401, 20263), (410, 20287), (413, 20293), (528, 20497),

Gene: Turuncu_22 Start: 8752, Stop: 9522, Start Num: 130

Candidate Starts for Turuncu_22:

(Start: 130 @8752 has 24 MA's), (139, 8770), (Start: 219 @8860 has 1 MA's), (248, 8914), (269, 8956), (362, 9184), (381, 9217), (383, 9220), (485, 9439), (515, 9487), (517, 9493),

Gene: Tuti_29 Start: 21572, Stop: 22360, Start Num: 165

Candidate Starts for Tuti_29:

(86, 21413), (Start: 157 @21563 has 33 MA's), (Start: 165 @21572 has 3 MA's), (Start: 176 @21584 has 3 MA's), (182, 21587), (Start: 193 @21614 has 58 MA's), (Start: 197 @21626 has 1 MA's), (226, 21677), (274, 21770), (301, 21815), (303, 21818), (304, 21821), (305, 21824), (322, 21881), (329, 21899), (334, 21911), (335, 21914), (336, 21917), (375, 21995), (381, 22007), (390, 22034), (412, 22094), (511, 22262), (520, 22280), (542, 22316), (552, 22340), (558, 22352),

Gene: Twin_30 Start: 21568, Stop: 22266, Start Num: 135

Candidate Starts for Twin_30:

(Start: 125 @21550 has 1 MA's), (Start: 135 @21568 has 17 MA's), (Start: 219 @21631 has 1 MA's), (233, 21667), (271, 21727), (280, 21739), (290, 21760), (303, 21793), (310, 21823), (311, 21826), (324, 21847), (326, 21853), (328, 21859), (336, 21880), (381, 21985), (384, 21994), (406, 22063), (409, 22069), (426, 22105), (433, 22117), (475, 22156), (485, 22177), (524, 22246), (533, 22258), (535, 22261),

Gene: Twinkle_25 Start: 22890, Stop: 23678, Start Num: 168

Candidate Starts for Twinkle_25:

(Start: 157 @22878 has 33 MA's), (Start: 168 @22890 has 15 MA's), (Start: 176 @22902 has 3 MA's), (182, 22905), (Start: 193 @22932 has 58 MA's), (Start: 197 @22944 has 1 MA's), (226, 22995), (274, 23088), (301, 23133), (303, 23136), (304, 23139), (322, 23199), (329, 23217), (334, 23229), (335, 23232), (336, 23235), (381, 23325), (412, 23412), (511, 23580), (520, 23598), (542, 23634), (552, 23658),

Gene: Twister6_46 Start: 36083, Stop: 36838, Start Num: 161

Candidate Starts for Twister6_46:

(111, 35987), (Start: 161 @36083 has 34 MA's), (203, 36155), (226, 36191), (270, 36263), (281, 36278), (373, 36458), (379, 36464), (390, 36491), (461, 36641), (511, 36725), (549, 36797),

Gene: Tycho_45 Start: 39282, Stop: 40025, Start Num: 159

Candidate Starts for Tycho_45:

(Start: 159 @39282 has 54 MA's), (Start: 176 @39300 has 3 MA's), (198, 39345), (226, 39390), (268, 39465), (280, 39483), (292, 39495), (304, 39525), (309, 39552), (358, 39645), (362, 39657), (430, 39813), (437, 39825), (454, 39852), (474, 39885), (517, 39951), (536, 39978),

Gene: UBSmoodge_32 Start: 23407, Stop: 24087, Start Num: 135

Candidate Starts for UBSmoodge_32:

(Start: 123 @23386 has 1 MA's), (Start: 135 @23407 has 17 MA's), (Start: 219 @23464 has 1 MA's), (228, 23485), (290, 23581), (303, 23614), (310, 23644), (311, 23647), (324, 23668), (326, 23674), (333, 23692), (338, 23713), (368, 23782), (381, 23806), (388, 23824), (393, 23845), (433, 23938), (439, 23947), (447, 23953), (485, 23998), (524, 24067), (535, 24082),

Gene: UmaThurman_25 Start: 21277, Stop: 22080, Start Num: 157

Candidate Starts for UmaThurman_25:

(Start: 157 @21277 has 33 MA's), (Start: 193 @21325 has 58 MA's), (Start: 197 @21337 has 1 MA's), (274, 21481), (284, 21493), (304, 21532), (322, 21592), (329, 21610), (334, 21622), (335, 21625), (336, 21628), (412, 21805), (422, 21826), (425, 21832), (430, 21841), (519, 21988), (542, 22024), (552, 22048), (561, 22069),

Gene: Untouchable_30 Start: 22449, Stop: 23237, Start Num: 193

Candidate Starts for Untouchable_30:

(Start: 193 @22449 has 58 MA's), (214, 22494), (227, 22524), (231, 22536), (259, 22590), (261, 22596), (287, 22641), (317, 22737), (326, 22755), (330, 22764), (335, 22779), (408, 22968), (409, 22971), (414, 22986), (447, 23046), (460, 23073), (522, 23193),

Gene: Upyo_37 Start: 28484, Stop: 29182, Start Num: 174

Candidate Starts for Upyo_37:

(Start: 147 @28451 has 1 MA's), (Start: 174 @28484 has 60 MA's), (182, 28496), (223, 28580), (259, 28637), (262, 28646), (293, 28691), (306, 28721), (381, 28895), (399, 28955), (402, 28961), (406, 28973), (416, 28994), (428, 29015), (435, 29027), (511, 29135),

Gene: Utz_25 Start: 21147, Stop: 21947, Start Num: 157

Candidate Starts for Utz_25:

(Start: 157 @21147 has 33 MA's), (Start: 193 @21195 has 58 MA's), (Start: 197 @21207 has 1 MA's), (226, 21258), (274, 21351), (304, 21402), (321, 21459), (322, 21462), (329, 21480), (334, 21492), (335, 21495), (336, 21498), (401, 21651), (412, 21675), (422, 21696), (542, 21894), (552, 21918), (561, 21936),

Gene: Valary_46 Start: 37125, Stop: 37880, Start Num: 161

Candidate Starts for Valary_46:

(119, 37047), (Start: 161 @37125 has 34 MA's), (203, 37197), (270, 37305), (301, 37350), (373, 37500), (379, 37506), (390, 37533), (405, 37581), (461, 37683), (511, 37767), (549, 37839),

Gene: VanDeWege_47 Start: 36417, Stop: 37172, Start Num: 161

Candidate Starts for VanDeWege_47:

(119, 36339), (Start: 161 @36417 has 34 MA's), (203, 36489), (270, 36597), (301, 36642), (373, 36792), (379, 36798), (390, 36825), (405, 36873), (461, 36975), (511, 37059), (549, 37131),

Gene: VanLee_104 Start: 55246, Stop: 55980, Start Num: 169

Candidate Starts for VanLee_104:

(Start: 134 @55198 has 3 MA's), (Start: 169 @55246 has 30 MA's), (185, 55264), (202, 55309), (210, 55321), (239, 55372), (263, 55399), (284, 55426), (305, 55462), (315, 55501), (334, 55537), (339, 55555), (353, 55579), (379, 55618), (390, 55645), (456, 55783), (504, 55864), (562, 55969),

Gene: Vardy_30 Start: 22058, Stop: 22846, Start Num: 193

Candidate Starts for Vardy_30:

(Start: 193 @22058 has 58 MA's), (227, 22133), (231, 22145), (259, 22199), (261, 22205), (287, 22250), (294, 22280), (317, 22346), (326, 22364), (331, 22376), (333, 22382), (335, 22388), (408, 22577), (409, 22580), (414, 22595), (447, 22655), (522, 22802),

Gene: Vasanti_23 Start: 19352, Stop: 20059, Start Num: 174

Candidate Starts for Vasanti_23:

(99, 19208), (Start: 174 @19352 has 60 MA's), (199, 19409), (220, 19448), (253, 19508), (272, 19529), (303, 19580), (304, 19583), (305, 19586), (313, 19619), (320, 19637), (321, 19640), (369, 19742), (397, 19811), (402, 19820), (410, 19841), (413, 19847), (513, 20021), (528, 20051),

Gene: Verity_46 Start: 41437, Stop: 42174, Start Num: 150

Candidate Starts for Verity_46:

(18, 40798), (26, 40969), (28, 41011), (48, 41152), (145, 41428), (Start: 150 @41437 has 4 MA's), (Start: 155 @41443 has 1 MA's), (Start: 163 @41452 has 47 MA's), (218, 41536), (226, 41557), (230, 41566), (260, 41605), (268, 41617), (280, 41635), (304, 41677), (331, 41749), (334, 41755), (395, 41881), (412, 41920), (422, 41941), (430, 41956), (448, 41983), (540, 42130),

Gene: ViaConlectus_46 Start: 39318, Stop: 40043, Start Num: 163

Candidate Starts for ViaConlectus_46:

(67, 39102), (105, 39207), (Start: 163 @39318 has 47 MA's), (226, 39423), (268, 39483), (280, 39501), (304, 39543), (325, 39600), (334, 39624), (370, 39690), (412, 39789), (430, 39825), (448, 39852), (517, 39963), (540, 39999),

Gene: Vivi2_48 Start: 40816, Stop: 41550, Start Num: 159

Candidate Starts for Vivi2_48:

(89, 40669), (122, 40759), (Start: 159 @40816 has 54 MA's), (Start: 176 @40834 has 3 MA's), (226, 40921), (240, 40948), (268, 40996), (280, 41014), (304, 41056), (333, 41134), (358, 41176), (374, 41209), (430, 41344), (454, 41383), (517, 41482), (536, 41509), (551, 41542),

Gene: Walrus_27 Start: 21692, Stop: 22495, Start Num: 157

Candidate Starts for Walrus_27:

(Start: 157 @21692 has 33 MA's), (Start: 193 @21740 has 58 MA's), (Start: 197 @21752 has 1 MA's), (205, 21767), (274, 21896), (284, 21908), (304, 21947), (316, 21992), (317, 21995), (322, 22007), (329, 22025), (334, 22037), (335, 22040), (336, 22043), (412, 22220), (422, 22241), (425, 22247), (519, 22403), (542, 22439), (552, 22463), (561, 22484),

Gene: WelcomeAyanna_24 Start: 22284, Stop: 22901, Start Num: 206

Candidate Starts for WelcomeAyanna_24:

(143, 22185), (178, 22224), (194, 22257), (Start: 206 @22284 has 12 MA's), (215, 22290), (Start: 216 @22293 has 2 MA's), (235, 22335), (266, 22395), (303, 22470), (308, 22488), (316, 22515), (334, 22551), (355, 22602), (361, 22623), (397, 22713), (439, 22794), (507, 22872),

Gene: Wheezy_19 Start: 9432, Stop: 10157, Start Num: 130

Candidate Starts for Wheezy_19:

(Start: 130 @9432 has 24 MA's), (Start: 157 @9456 has 33 MA's), (187, 9489), (220, 9492), (239, 9528), (248, 9543), (269, 9585), (291, 9624), (333, 9732), (381, 9849), (405, 9924), (428, 9981), (455, 10023), (475, 10056), (485, 10077), (497, 10092), (529, 10152),

Gene: Whiteclaw_24 Start: 19798, Stop: 20505, Start Num: 174

Candidate Starts for Whiteclaw_24:

(99, 19654), (Start: 174 @19798 has 60 MA's), (199, 19855), (220, 19894), (249, 19945), (253, 19954), (270, 19972), (272, 19975), (304, 20029), (305, 20032), (313, 20065), (320, 20083), (334, 20110), (369, 20188), (397, 20257), (401, 20263), (410, 20287), (413, 20293), (528, 20497),

Gene: Whitney_29 Start: 22410, Stop: 23033, Start Num: 213

Candidate Starts for Whitney_29:

(51, 22035), (66, 22092), (76, 22137), (99, 22191), (100, 22194), (117, 22230), (Start: 130 @22275 has 24 MA's), (133, 22278), (Start: 213 @22410 has 29 MA's), (Start: 216 @22416 has 2 MA's), (229, 22446), (235, 22461), (266, 22521), (306, 22602), (316, 22641), (346, 22713), (372, 22776), (393, 22821), (397, 22839), (406, 22860), (409, 22869), (507, 23001), (511, 23010), (516, 23022),

Gene: WhoseManz_19 Start: 7300, Stop: 8043, Start Num: 190

Candidate Starts for WhoseManz_19:

(117, 7171), (188, 7297), (Start: 190 @7300 has 2 MA's), (Start: 219 @7363 has 1 MA's), (220, 7366), (225, 7378), (269, 7459), (333, 7609), (340, 7633), (355, 7666), (405, 7798), (468, 7924), (485, 7960), (517, 8014),

Gene: Widow_36 Start: 28002, Stop: 28706, Start Num: 174

Candidate Starts for Widow_36:

(Start: 158 @27984 has 1 MA's), (Start: 174 @28002 has 60 MA's), (182, 28014), (210, 28068), (223, 28098), (226, 28107), (262, 28167), (274, 28185), (336, 28320), (390, 28446), (399, 28479), (406, 28497), (424, 28530), (480, 28608), (511, 28659),

Gene: William_26 Start: 21300, Stop: 22013, Start Num: 169

Candidate Starts for William_26:

(Start: 155 @21285 has 1 MA's), (Start: 169 @21300 has 30 MA's), (181, 21312), (182, 21315), (184, 21318), (232, 21426), (253, 21456), (278, 21486), (304, 21531), (316, 21576), (320, 21585), (334, 21618), (338, 21636), (384, 21723), (387, 21729), (394, 21759), (402, 21780), (410, 21801), (413, 21807), (430, 21846), (437, 21858), (485, 21930), (521, 21993),

Gene: WinkNick_25 Start: 21234, Stop: 22010, Start Num: 176

Candidate Starts for WinkNick_25:

(Start: 157 @21210 has 33 MA's), (Start: 168 @21222 has 15 MA's), (Start: 176 @21234 has 3 MA's), (182, 21237), (Start: 193 @21264 has 58 MA's), (Start: 197 @21276 has 1 MA's), (226, 21327), (274, 21420), (301, 21465), (303, 21468), (304, 21471), (322, 21531), (329, 21549), (334, 21561), (335, 21564), (336, 21567), (381, 21657), (412, 21744), (542, 21966), (552, 21990),

Gene: Wisp_24 Start: 20862, Stop: 21665, Start Num: 157

Candidate Starts for Wisp_24:

(Start: 157 @20862 has 33 MA's), (Start: 193 @20910 has 58 MA's), (Start: 197 @20922 has 1 MA's), (205, 20937), (226, 20973), (274, 21066), (304, 21117), (321, 21174), (322, 21177), (329, 21195), (334, 21207), (335, 21210), (336, 21213), (412, 21390), (422, 21411), (425, 21417), (519, 21573), (542, 21609), (552, 21633), (561, 21654),

Gene: Wizard_43 Start: 36323, Stop: 37078, Start Num: 161

Candidate Starts for Wizard_43:

(119, 36245), (Start: 161 @36323 has 34 MA's), (203, 36395), (270, 36503), (301, 36548), (373, 36698), (379, 36704), (390, 36731), (405, 36779), (461, 36881), (511, 36965), (549, 37037),

Gene: Wocket_27 Start: 21844, Stop: 22632, Start Num: 160

Candidate Starts for Wocket_27:

(113, 21760), (Start: 160 @21844 has 2 MA's), (Start: 197 @21898 has 1 MA's), (226, 21949), (274, 22042), (304, 22093), (317, 22141), (322, 22153), (329, 22171), (334, 22183), (335, 22186), (336, 22189), (412, 22366), (422, 22387), (542, 22585), (552, 22609),

Gene: Wojtek_79 Start: 58771, Stop: 59619, Start Num: 163

Candidate Starts for Wojtek_79:

(Start: 144 @58747 has 1 MA's), (146, 58750), (Start: 163 @58771 has 47 MA's), (Start: 171 @58780 has 14 MA's), (Start: 179 @58792 has 2 MA's), (184, 58801), (Start: 193 @58825 has 58 MA's), (199, 58843), (202, 58849), (228, 58900), (280, 58996), (287, 59005), (301, 59032), (306, 59044), (316, 59083), (390, 59263), (414, 59329), (417, 59338), (434, 59368), (451, 59395), (463, 59419), (489, 59473), (515, 59518), (520, 59530), (553, 59596),

Gene: Wooper_45 Start: 37588, Stop: 38310, Start Num: 171

Candidate Starts for Wooper_45:

(78, 37402), (Start: 171 @37588 has 14 MA's), (256, 37750), (282, 37777), (285, 37783), (334, 37897), (376, 37981), (410, 38074), (422, 38104),

Gene: Wrigley_28 Start: 22650, Stop: 23273, Start Num: 201

Candidate Starts for Wrigley_28:

(Start: 201 @22650 has 7 MA's), (218, 22659), (235, 22701), (254, 22737), (280, 22782), (290, 22803), (303, 22836), (316, 22881), (346, 22953), (355, 22968), (372, 23016), (393, 23061), (397, 23079), (406, 23100), (409, 23109), (439, 23163), (485, 23214), (507, 23241), (511, 23250), (513, 23253),

Gene: Xenia2_89 Start: 59110, Stop: 59985, Start Num: 140

Candidate Starts for Xenia2_89:

(Start: 140 @59110 has 1 MA's), (Start: 147 @59122 has 1 MA's), (162, 59140), (Start: 179 @59152 has 2 MA's), (184, 59161), (199, 59203), (256, 59311), (306, 59404), (341, 59509), (349, 59530), (353, 59536), (354, 59539), (390, 59623), (441, 59737), (451, 59755), (462, 59776), (500, 59851), (533, 59908),

Gene: Yago84_42 Start: 36147, Stop: 36872, Start Num: 171

Candidate Starts for Yago84_42:

(75, 35949), (102, 36021), (Start: 171 @36147 has 14 MA's), (253, 36306), (256, 36312), (278, 36336), (284, 36345), (293, 36357), (298, 36372), (320, 36438), (335, 36468), (376, 36552), (397, 36615), (407, 36639), (410, 36645), (513, 36828), (516, 36837),

Gene: Yeet412_24 Start: 19791, Stop: 20498, Start Num: 174

Candidate Starts for Yeet412_24:

(99, 19647), (Start: 174 @19791 has 60 MA's), (199, 19848), (220, 19887), (253, 19947), (270, 19965), (272, 19968), (284, 19986), (304, 20022), (305, 20025), (313, 20058), (320, 20076), (334, 20103), (369, 20181), (397, 20250), (410, 20280), (413, 20286), (528, 20490),

Gene: Yeezy_27 Start: 21525, Stop: 22145, Start Num: 207

Candidate Starts for Yeezy_27:

(Start: 207 @21525 has 17 MA's), (Start: 216 @21534 has 2 MA's), (235, 21579), (280, 21660), (303, 21714), (316, 21759), (334, 21795), (355, 21846), (372, 21894), (397, 21957), (409, 21987), (439, 22038), (507, 22116),

Gene: Yeshua_45 Start: 37565, Stop: 38287, Start Num: 171

Candidate Starts for Yeshua_45:

(78, 37379), (Start: 171 @37565 has 14 MA's), (256, 37727), (282, 37754), (285, 37760), (334, 37874), (376, 37958), (410, 38051), (422, 38081),

Gene: Yikes_87 Start: 59300, Stop: 60151, Start Num: 163

Candidate Starts for Yikes_87:

(82, 59123), (93, 59150), (97, 59159), (101, 59174), (106, 59183), (Start: 144 @59276 has 1 MA's), (146, 59279), (Start: 163 @59300 has 47 MA's), (Start: 171 @59309 has 14 MA's), (184, 59330), (199, 59372), (202, 59378), (224, 59423), (280, 59528), (301, 59564), (306, 59576), (316, 59615), (329, 59645), (330, 59648), (334, 59660), (390, 59795), (414, 59861), (417, 59870), (434, 59900), (451, 59927), (463, 59951), (489, 60005), (515, 60050), (520, 60062), (553, 60128),

Gene: Yinzer_24 Start: 19798, Stop: 20505, Start Num: 174

Candidate Starts for Yinzer_24:

(99, 19654), (Start: 174 @19798 has 60 MA's), (199, 19855), (220, 19894), (249, 19945), (253, 19954), (270, 19972), (272, 19975), (304, 20029), (305, 20032), (313, 20065), (320, 20083), (334, 20110), (369, 20188), (397, 20257), (401, 20263), (410, 20287), (413, 20293), (528, 20497),

Gene: Yndexa_19 Start: 7686, Stop: 8480, Start Num: 132

Candidate Starts for Yndexa_19:

(Start: 132 @7686 has 3 MA's), (Start: 219 @7800 has 1 MA's), (220, 7803), (225, 7815), (269, 7896), (333, 8046), (340, 8070), (355, 8103), (405, 8235), (468, 8361), (485, 8397), (517, 8451),

Gene: YorkOnyx_46 Start: 39539, Stop: 40282, Start Num: 159

Candidate Starts for YorkOnyx_46:

(Start: 159 @39539 has 54 MA's), (Start: 176 @39557 has 3 MA's), (198, 39602), (226, 39647), (240, 39674), (253, 39692), (268, 39722), (280, 39740), (292, 39752), (304, 39782), (309, 39809), (358, 39902), (362, 39914), (414, 40034), (430, 40070), (437, 40082), (454, 40109), (474, 40142), (491, 40169), (495, 40175), (517, 40208), (536, 40235),

Gene: YungMoney_47 Start: 38725, Stop: 39480, Start Num: 161

Candidate Starts for YungMoney_47:

(Start: 148 @38710 has 7 MA's), (Start: 161 @38725 has 34 MA's), (203, 38797), (225, 38830), (226, 38833), (239, 38860), (251, 38881), (270, 38905), (363, 39085), (373, 39100), (379, 39106), (390, 39133), (405, 39181), (461, 39283), (511, 39367), (549, 39439),

Gene: ZAYM_27 Start: 22255, Stop: 22968, Start Num: 174

Candidate Starts for ZAYM_27:

(54, 21961), (55, 21964), (73, 22045), (85, 22075), (Start: 132 @22198 has 3 MA's), (Start: 174 @22255 has 60 MA's), (208, 22321), (220, 22348), (226, 22363), (253, 22408), (293, 22459), (305, 22486), (309, 22510), (337, 22573), (379, 22657), (397, 22714), (405, 22732), (410, 22744), (413, 22750),

Gene: Zameen_27 Start: 22303, Stop: 22923, Start Num: 207

Candidate Starts for Zameen_27:

(49, 21928), (99, 22099), (100, 22102), (Start: 130 @22183 has 24 MA's), (143, 22204), (Start: 207 @22303 has 17 MA's), (Start: 216 @22312 has 2 MA's), (235, 22357), (280, 22438), (316, 22537), (334, 22573), (355, 22624), (372, 22672), (397, 22735), (409, 22765), (439, 22816), (485, 22867), (507, 22894),

Gene: Zany_85 Start: 59554, Stop: 60444, Start Num: 163

Candidate Starts for Zany_85:

(Start: 144 @59530 has 1 MA's), (146, 59533), (Start: 163 @59554 has 47 MA's), (Start: 171 @59563 has 14 MA's), (184, 59584), (199, 59626), (202, 59632), (280, 59782), (287, 59791), (301, 59818), (306, 59830), (316, 59869), (390, 60049), (414, 60115), (417, 60124), (434, 60154), (451, 60181), (463, 60205), (489, 60259), (515, 60304), (520, 60316), (563, 60403), (564, 60436),

Gene: Zarbodnamra_25 Start: 21151, Stop: 21954, Start Num: 157

Candidate Starts for Zarbodnamra_25:

(Start: 157 @21151 has 33 MA's), (Start: 193 @21199 has 58 MA's), (Start: 197 @21211 has 1 MA's), (205, 21226), (226, 21262), (274, 21355), (304, 21406), (321, 21463), (322, 21466), (329, 21484), (334, 21496), (335, 21499), (336, 21502), (412, 21679), (422, 21700), (425, 21706), (519, 21862), (542, 21898), (552, 21922), (561, 21943),

Gene: Zeph_31 Start: 22807, Stop: 23595, Start Num: 193

Candidate Starts for Zeph_31:

(Start: 193 @22807 has 58 MA's), (227, 22882), (231, 22894), (259, 22948), (261, 22954), (287, 22999), (317, 23095), (326, 23113), (330, 23122), (333, 23131), (335, 23137), (408, 23326), (409, 23329), (414, 23344), (447, 23404), (522, 23551),

Gene: ZiggyZoo_25 Start: 21074, Stop: 21871, Start Num: 154

Candidate Starts for ZiggyZoo_25:

(29, 20681), (50, 20810), (76, 20921), (90, 20948), (103, 20984), (Start: 154 @21074 has 6 MA's), (Start: 197 @21128 has 1 MA's), (205, 21143), (226, 21179), (274, 21272), (284, 21284), (303, 21320), (304, 21323), (317, 21371), (321, 21380), (322, 21383), (329, 21401), (334, 21413), (335, 21416), (336, 21419), (397, 21566), (412, 21596), (422, 21617), (425, 21623), (430, 21632), (542, 21815), (552, 21839), (561, 21860),

Gene: Zilla_25 Start: 21169, Stop: 21972, Start Num: 157

Candidate Starts for Zilla_25:

(Start: 157 @21169 has 33 MA's), (Start: 193 @21217 has 58 MA's), (Start: 197 @21229 has 1 MA's), (205, 21244), (226, 21280), (274, 21373), (304, 21424), (321, 21481), (322, 21484), (329, 21502), (334, 21514), (335, 21517), (336, 21520), (412, 21697), (422, 21718), (425, 21724), (519, 21880), (542, 21916), (552, 21940), (561, 21961),

Gene: Zipp_47 Start: 41352, Stop: 42089, Start Num: 150

Candidate Starts for Zipp_47:

(21, 40737), (22, 40776), (26, 40884), (28, 40926), (48, 41067), (145, 41343), (Start: 150 @41352 has 4 MA's), (Start: 155 @41358 has 1 MA's), (Start: 163 @41367 has 47 MA's), (226, 41472), (230, 41481), (260, 41520), (268, 41532), (280, 41550), (304, 41592), (331, 41664), (334, 41670), (395, 41796), (412, 41835), (422, 41856), (430, 41871), (448, 41898), (540, 42045),

Gene: Zirinka_25 Start: 22321, Stop: 22938, Start Num: 206

Candidate Starts for Zirinka_25:

(143, 22222), (178, 22261), (194, 22294), (Start: 206 @22321 has 12 MA's), (Start: 216 @22330 has 2 MA's), (235, 22372), (243, 22384), (266, 22432), (280, 22453), (290, 22474), (303, 22507), (316, 22552), (334, 22588), (355, 22639), (397, 22750), (409, 22780), (439, 22831), (507, 22909),

Gene: Zitch_49 Start: 39473, Stop: 40198, Start Num: 163

Candidate Starts for Zitch_49:

(92, 39326), (105, 39362), (Start: 163 @39473 has 47 MA's), (Start: 197 @39527 has 1 MA's), (226, 39578), (230, 39587), (268, 39638), (280, 39656), (304, 39698), (325, 39755), (334, 39779), (370, 39845), (395, 39905), (412, 39944), (430, 39980), (448, 40007), (517, 40118), (540, 40154),

Gene: Zodiariah_29 Start: 26113, Stop: 26916, Start Num: 160

Candidate Starts for Zodiariah_29:

(Start: 160 @26113 has 2 MA's), (Start: 168 @26122 has 15 MA's), (Start: 176 @26134 has 3 MA's), (Start: 193 @26164 has 58 MA's), (Start: 197 @26176 has 1 MA's), (215, 26200), (226, 26227), (274, 26320), (304, 26371), (305, 26374), (322, 26431), (329, 26449), (381, 26554), (412, 26641), (430, 26677), (448, 26704), (511, 26809), (542, 26863), (552, 26887),