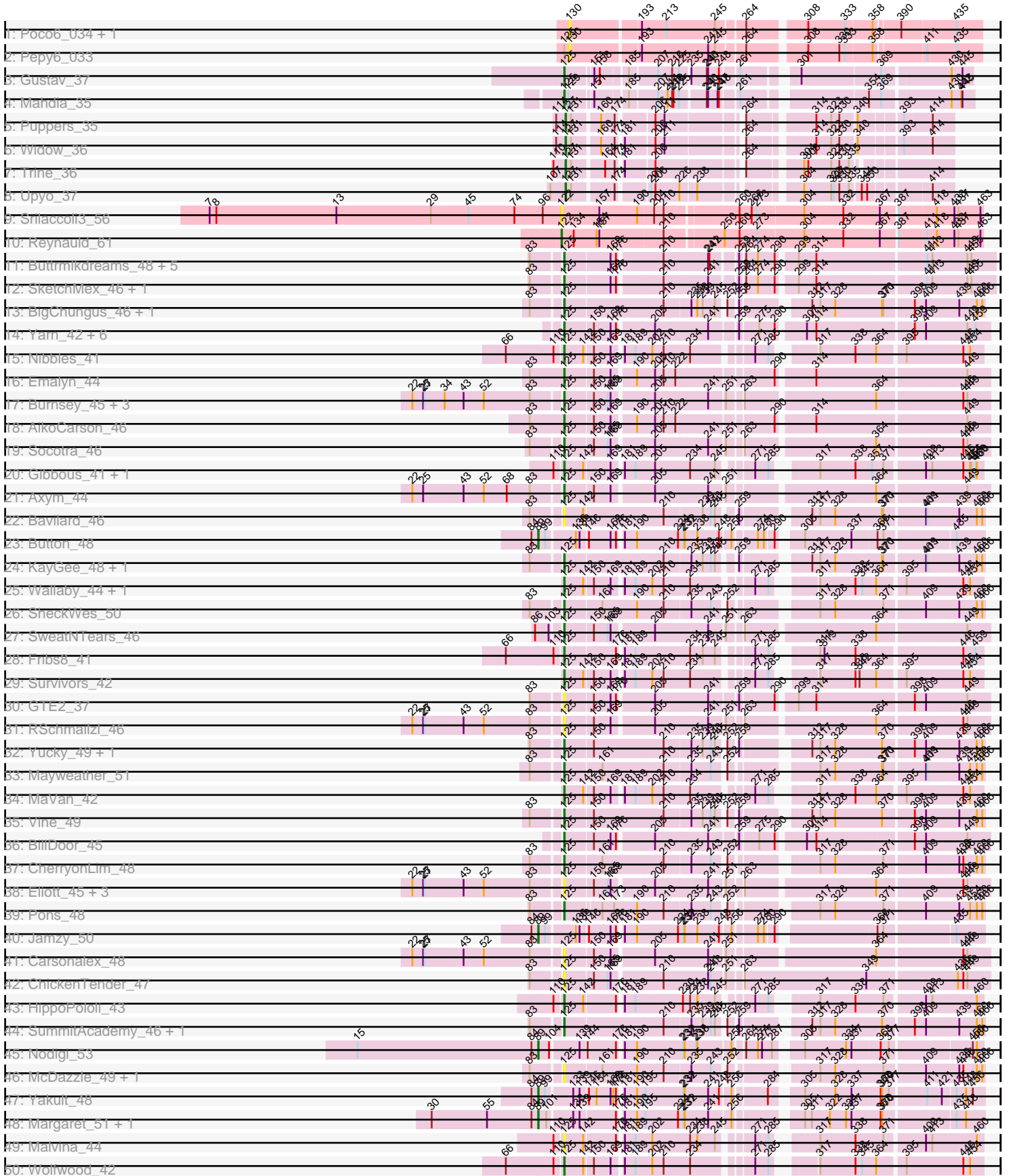
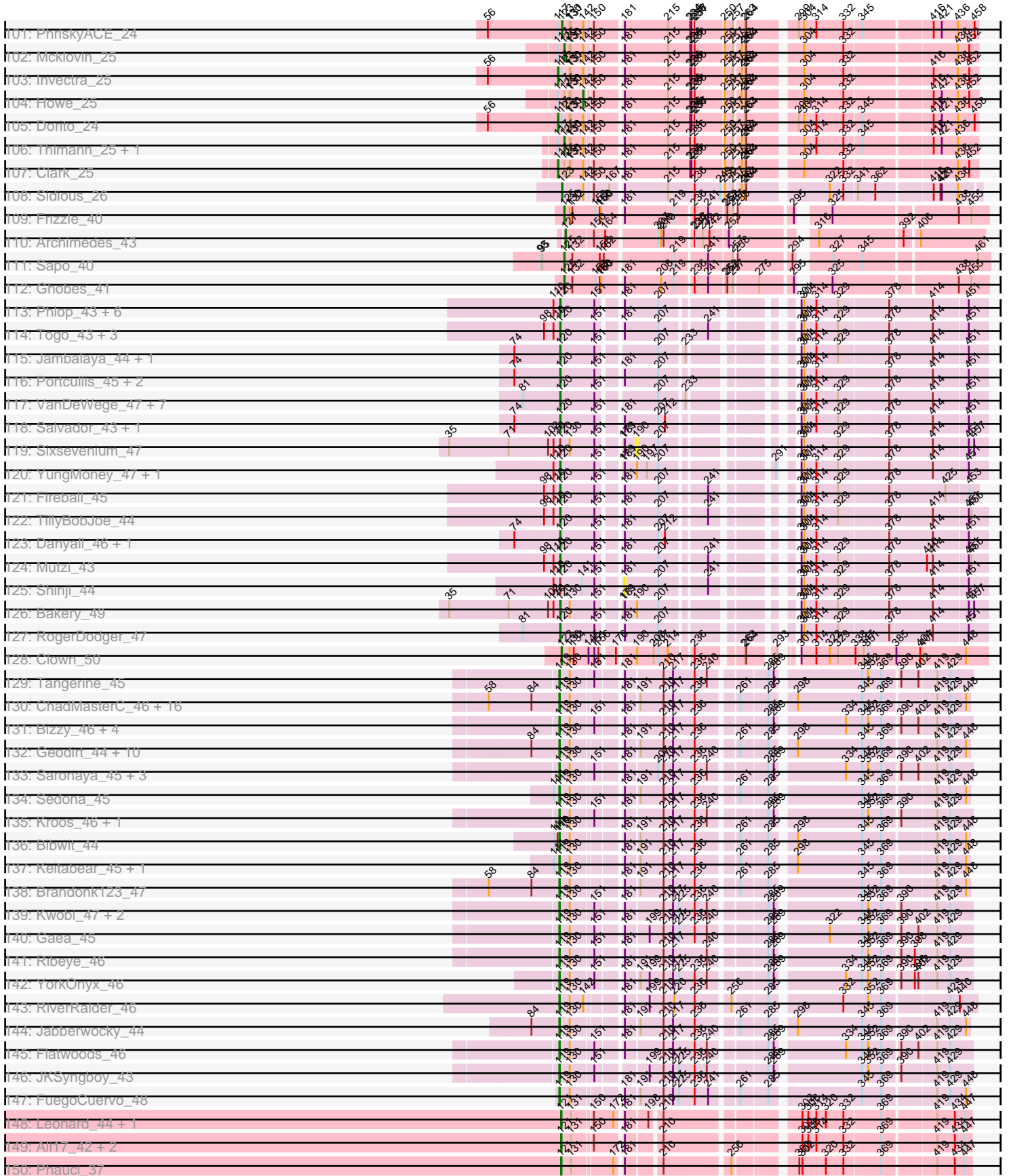


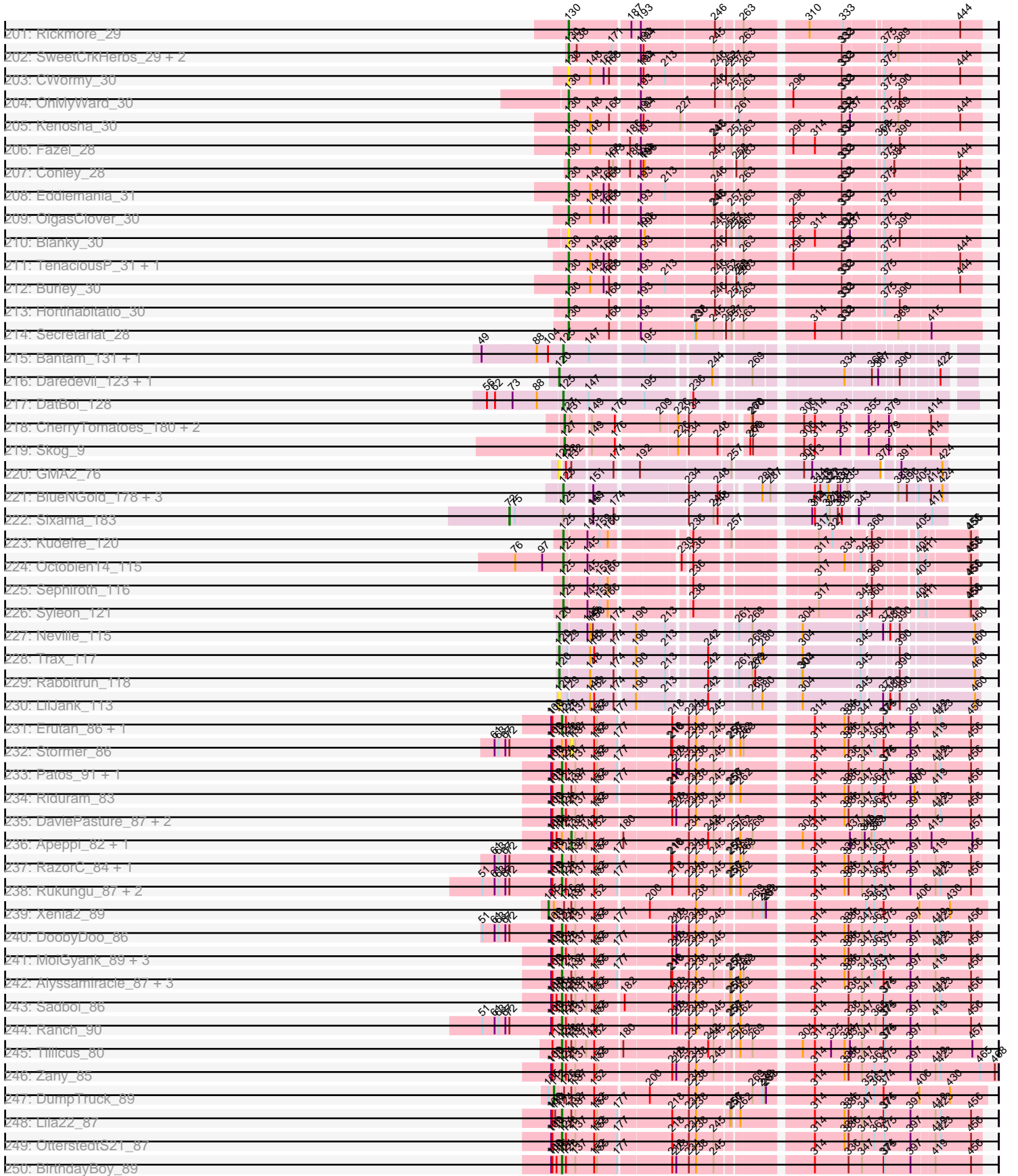
Zoomed Pham 311065



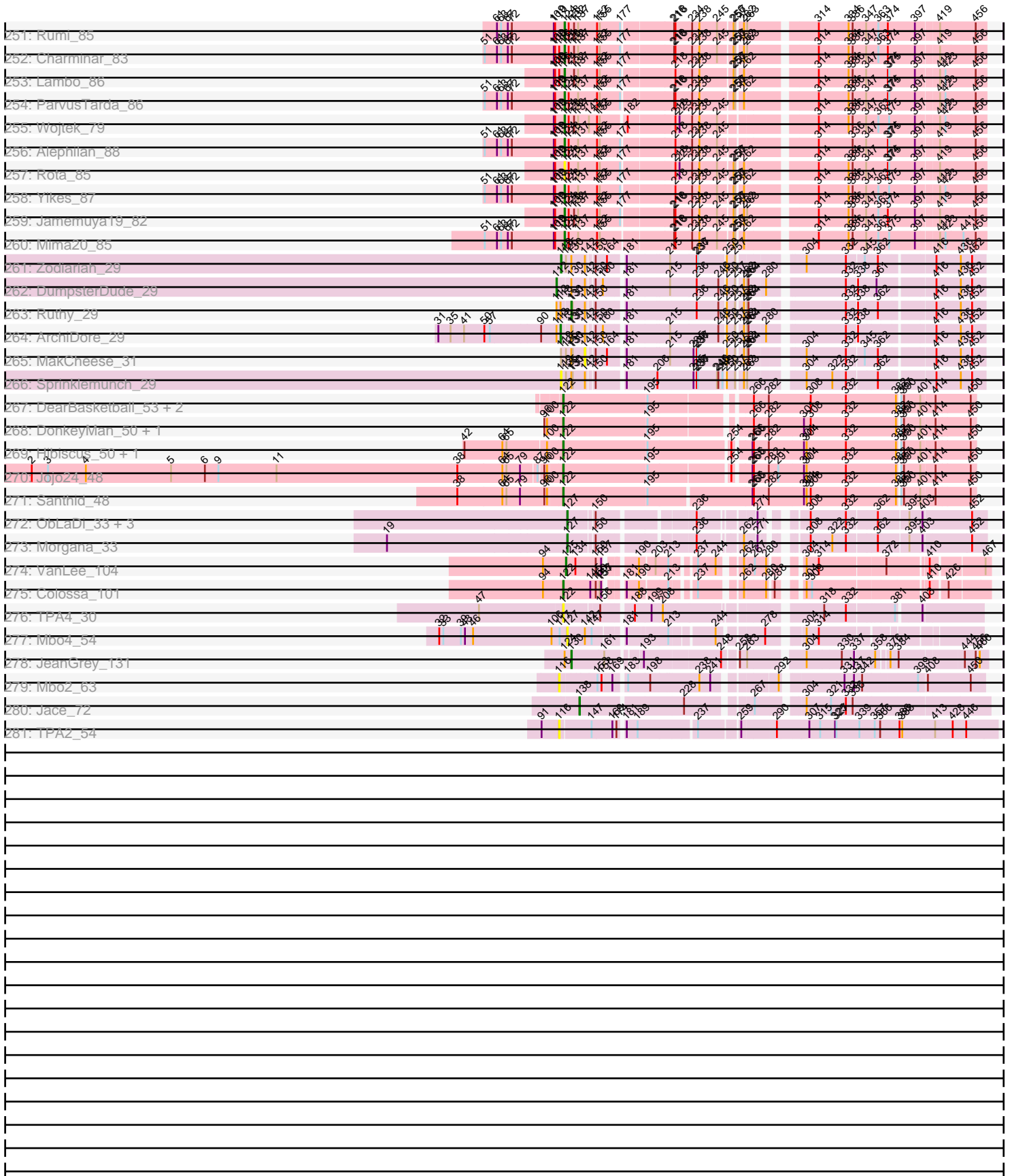
Zoomed Pham 311065



Zoomed Pham 311065



Zoomed Pham 311065



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 311065 Report

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

Pham number 311065 has 479 members, 72 are drafts.

Phages represented in each track:

- Track 1 : Poco6_034, PerroGrande22_37
- Track 2 : Pepy6_033
- Track 3 : Gustav_37
- Track 4 : Mahdia_35
- Track 5 : Puppies_35
- Track 6 : Widow_36
- Track 7 : Trine_36
- Track 8 : Upyo_37
- Track 9 : Srilaccoli3_56
- Track 10 : Reynauld_61
- Track 11 : Buttrmlkdreams_48, Yummy_48, Troje_48, Horseradish_48, MScarn_50, Blondies_49
- Track 12 : SketchMex_46, Biskit_48
- Track 13 : BigChungus_46, Feastonyeet_46
- Track 14 : Yarn_42, CanesSauce_44, Tolls_46, AndPeggy_42, ChocoMunchkin_44, SteamedHams_45, CaramelLatte_44
- Track 15 : Nibbles_41
- Track 16 : Emalyn_44
- Track 17 : Burnsey_45, RADical_46, RedBaron_49, Bubble_43
- Track 18 : AikoCarson_46
- Track 19 : Socotra_46
- Track 20 : Gibbous_41, Dre3_41
- Track 21 : Axym_44
- Track 22 : Bavidard_46
- Track 23 : Button_48
- Track 24 : KayGee_48, Elinal_50
- Track 25 : Wallaby_44, Zareef_42
- Track 26 : SheckWes_50
- Track 27 : SweatNTears_46
- Track 28 : Fribs8_41
- Track 29 : Survivors_42
- Track 30 : GTE2_37
- Track 31 : RSchmailzl_46
- Track 32 : Yucky_49, CocoaPuff_47
- Track 33 : Mayweather_51
- Track 34 : MaVan_42
- Track 35 : Vine_49

- Track 36 : BillDoor_45
- Track 37 : CherryonLim_48
- Track 38 : Elliott_45, PsychoKiller_44, Sopespian_43, Starburst_45
- Track 39 : Pons_48
- Track 40 : Jamzy_50
- Track 41 : Carsonalex_48
- Track 42 : ChickenTender_47
- Track 43 : HippoPololi_43
- Track 44 : SummitAcademy_46, Balloona_46
- Track 45 : Nodigi_53
- Track 46 : McDazzle_49, ElJefes_48
- Track 47 : Yakult_48
- Track 48 : Margaret_51, RanchParmCat_50
- Track 49 : Malvina_44
- Track 50 : Wolfwood_42
- Track 51 : Hexbug_53
- Track 52 : Cleo_40
- Track 53 : MAnor_48
- Track 54 : PotPie_46
- Track 55 : GoldHunter_46, Agatha_45, Cozz_43
- Track 56 : Tarnish_47
- Track 57 : Typhonomachy_44
- Track 58 : Amok_46
- Track 59 : Lauer_43
- Track 60 : Azira_42
- Track 61 : Quasar_45
- Track 62 : Nina_44
- Track 63 : GiKK_50
- Track 64 : MunkgeeRoachy_43
- Track 65 : Orla_53
- Track 66 : KappaFarmDelta_27
- Track 67 : Soilmate_27, CarolAnn_26, Blino_26
- Track 68 : Pipp_25, Utz_25
- Track 69 : Jalammah_27
- Track 70 : 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 71 : Samba_25, Hitter_25
- Track 72 : Fenry_24
- Track 73 : Wocket_27
- Track 74 : Frokostdame_25
- Track 75 : CheeseSpider_29
- Track 76 : Obliviate_25, ZiggyZoo_25
- Track 77 : Archis_26
- Track 78 : Lysidious_26
- Track 79 : JuJu_26
- Track 80 : Murp_26
- Track 81 : Petra_27
- Track 82 : MissRona_27, Azula_27, Blueberry_27
- Track 83 : UmaThurman_25
- Track 84 : Gambino_27
- Track 85 : Mellie_24
- Track 86 : Walrus_27

- Track 87 : Orchid_39, Kampe_40, PatrickStar_40
- Track 88 : Gibbles_38, RobinSparkles_42
- Track 89 : Bunnybear_24
- Track 90 : Hyzer_27
- Track 91 : Shlim410_25, Adora_25, Hortense_25, Twinkle_25
- Track 92 : Dolores_25, Rizz_28, MichaelScott_25
- Track 93 : Sekhmet_25
- Track 94 : Tuti_25
- Track 95 : Beenie_25
- Track 96 : Oregano_25
- Track 97 : Easley_25, WinkNick_25
- Track 98 : Annalisa_25
- Track 99 : DobbysSock_24
- Track 100 : Samman98_25
- Track 101 : PhriskyACE_24
- Track 102 : Mcklovin_25
- Track 103 : Invectra_25
- Track 104 : Howe_25
- Track 105 : Dorito_24
- Track 106 : Thimann_25, Suerte_23
- Track 107 : Clark_25
- Track 108 : Sidious_26
- Track 109 : Frizzle_40
- Track 110 : Archimedes_43
- Track 111 : Sapo_40
- Track 112 : Ghobes_41
- Track 113 : Phlop_43, Egi03_44, PullumCavea_43, Fugax_47, Barb_46, PinkCoffee_46, ClamChowder_46
- Track 114 : Togo_43, SmokingBunny_44, Sendy_45, Nubi_44
- Track 115 : Jambalaya_44, Savbucketdawg_44
- Track 116 : Portcullis_45, JohnPork_45, Halo3_44
- Track 117 : VanDeWege_47, Wizard_43, CoveyB_47, Valary_46, KimmyK_45, Arri_47, Gezellig_43, CherryCola_46
- Track 118 : Salvador_43, Evamon_43
- Track 119 : Sixsevenium_47
- Track 120 : YungMoney_47, SharkTale_45
- Track 121 : Fireball_45
- Track 122 : TillyBobJoe_44
- Track 123 : Danyall_46, Twister6_46
- Track 124 : Mutzi_43
- Track 125 : Shinji_44
- Track 126 : Bakery_49
- Track 127 : RogerDodger_47
- Track 128 : Clown_50
- Track 129 : Tangerine_45
- Track 130 : ChadMasterC_46, Paries_48, Nordenberg_40, McCrothy_45, Vivi2_48, Tangent_46, Sanjuju_44, MoontowerMania_45, Fitzgerald_44, McKinley_47, Charming_46, Barsten_46, BobBob_43, Rofo_46, Shivanishola_45, Galadriel_45, Love_49
- Track 131 : Bizzy_46, Derg_41, SchottB_44, Baumdotcom_44, LilHam_43
- Track 132 : Geodirt_44, Angelicage_43, Fosterous_43, Stultus_44, Kamashten_43, Affeca_43, Kewpiedoll_45, Brawn1_42, Lennon_45, Sitar_45, Thing3_43
- Track 133 : Saronaya_45, Baddon_45, Ashertheman_46, Gustavo_45

- Track 134 : Sedona_45
- Track 135 : Kroos_46, Stichling_43
- Track 136 : Bibwit_44
- Track 137 : Keitabear_45, Ailee_42
- Track 138 : Brandonk123_47
- Track 139 : Kwobi_47, StorminNorm_45, Tycho_45
- Track 140 : Gaea_45
- Track 141 : Ribeye_46
- Track 142 : YorkOnyx_46
- Track 143 : RiverRaider_46
- Track 144 : Jabberwocky_44
- Track 145 : Flatwoods_46
- Track 146 : JKSyngboy_43
- Track 147 : FuegoCuervo_48
- Track 148 : Leonard_44, Phinally_44
- Track 149 : Ali17_42, Hans_46, Inspectinfecti_45
- Track 150 : Phauci_37
- Track 151 : MelBins_45
- Track 152 : Belphegor_45
- Track 153 : EMOore_42
- Track 154 : RoadKill_54
- Track 155 : Dexdert_58
- Track 156 : GTE6_58
- Track 157 : Chickadee_57, Kwekel_57
- Track 158 : Tiamoceli_57
- Track 159 : Twonlo_54
- Track 160 : Zitch_49
- Track 161 : Zipp_47
- Track 162 : BigHunkinEater_49
- Track 163 : ViaConlectus_46
- Track 164 : Verity_46, Delrey21_46, DoctorFroggo_46
- Track 165 : Scioto_47, Sampson_46, Abblin_46, Natkenzie_46
- Track 166 : Pumpkiney_47
- Track 167 : Tardus_47
- Track 168 : APunk_47
- Track 169 : Lilbeanie_44
- Track 170 : Gmala1_33
- Track 171 : GordDuk1_33
- Track 172 : GordTnk2_33
- Track 173 : GMA3_32
- Track 174 : Jumbo_41
- Track 175 : Camerico_44
- Track 176 : BiteSize_95, Madi_94, Beyoncage_95, Terapin_96, Djokovic_95
- Track 177 : LilyPad_89
- Track 178 : Suzy_95
- Track 179 : Sienna_96
- Track 180 : LittleFella_91
- Track 181 : Vardy_30, ArtetaBall_31, Runhaar_30
- Track 182 : Schwartz33_31
- Track 183 : Tonaltzin_32, Duffington_30, MajinBuu_30, Figliar_30, Aflac_30
- Track 184 : BetterYeti_30, PestoPenguin_33, Aloe25_33, Gusicorn_30
- Track 185 : Citrus_29, Luthien_31
- Track 186 : Glintora_30

- Track 187 : Tairn4Wing_29, ChickyNuggy_28, JulesRay_27, Football_28, Bugg_28, Dancer_27, NoPickles_27, Trufflozitus_27, Captrips_27
- Track 188 : EndAve_30, AlainaMarie_30, Chikenjars_30, Nithya_30
- Track 189 : BluerMoon_30
- Track 190 : Artorias_27, Avazak_27, FortCran_27
- Track 191 : Mossy_31
- Track 192 : Nadmeg_31
- Track 193 : Arataki_29, Demure_29
- Track 194 : Pherobrine_29, Mysticmoon_29
- Track 195 : Hydrus_31, Zeph_31
- Track 196 : Capybara_27, Roney_27, Gill_27, Odesza_27, Kerry_27, Tanis_27, Gravy_27, Magel_27
- Track 197 : ShaggyRogers_30
- Track 198 : Untouchable_30, Madvan_30, Crocheter_30, Dialga_31
- Track 199 : Petite_29
- Track 200 : Phepper_30
- Track 201 : Rickmore_29
- Track 202 : SweetCrkHerbs_29, Perkunas_29, Talon44_28
- Track 203 : CWormy_30
- Track 204 : OhMyWard_30
- Track 205 : Kenosha_30
- Track 206 : Fazel_28
- Track 207 : Conley_28
- Track 208 : Eddiemania_31
- Track 209 : OlgasClover_30
- Track 210 : Blanky_30
- Track 211 : TenaciousP_31, Jodelie19_31
- Track 212 : Burley_30
- Track 213 : Hortihabitatio_30
- Track 214 : Secretariat_28
- Track 215 : Bantam_131, SpeedDemon_1340
- Track 216 : Daredevil_123, Towmatter_121
- Track 217 : DatBoi_128
- Track 218 : CherryTomatoes_180, Pupper_177, SCentae_176
- Track 219 : Skog_9
- Track 220 : GMA2_76
- Track 221 : BlueNGold_178, Forza_182, Mareelih_179, Boopy_181
- Track 222 : Sixama_183
- Track 223 : Kudfre_120
- Track 224 : Octobien14_115
- Track 225 : Sephiroth_116
- Track 226 : Syleon_121
- Track 227 : Neville_115
- Track 228 : Trax_117
- Track 229 : Rabbitrun_118
- Track 230 : LilJank_113
- Track 231 : Erutan_86, GretelLyn_86
- Track 232 : Stormer_86
- Track 233 : Patos_91, NorManre_91
- Track 234 : Riduram_83
- Track 235 : DaviePasture_87, LavAbarElk_86, Pywacket_83
- Track 236 : Apeppi_82, LuckyLeo_84
- Track 237 : RazorC_84, Avian_82

- Track 238 : Rukungu_87, GOATification_85, Fulcrum_85
- Track 239 : Xenia2_89
- Track 240 : DoobyDoo_86
- Track 241 : MoiGyank_89, Sampudon_88, Jalebi_86, Gibbin_88
- Track 242 : Alyssamiracle_87, Genamy16_87, NovaSharks_86, Astralis_84
- Track 243 : Sadboi_86
- Track 244 : Ranch_90
- Track 245 : Tillicus_80
- Track 246 : Zany_85
- Track 247 : DumpTruck_89
- Track 248 : Lila22_87
- Track 249 : OtterstedtS21_87
- Track 250 : BirthdayBoy_89
- Track 251 : Rumi_85
- Track 252 : Charminar_83
- Track 253 : Lambo_86
- Track 254 : ParvusTarda_86
- Track 255 : Wojtek_79
- Track 256 : Alephilan_88
- Track 257 : Rota_85
- Track 258 : Yikes_87
- Track 259 : Jamemuya19_82
- Track 260 : Mima20_85
- Track 261 : Zodiariah_29
- Track 262 : DumpsterDude_29
- Track 263 : Ruthy_29
- Track 264 : ArchiDore_29
- Track 265 : MakCheese_31
- Track 266 : Sprinklemunch_29
- Track 267 : DearBasketball_53, Reyja_51, DinoNuggs_51
- Track 268 : DonkeyMan_50, Tarzan_50
- Track 269 : Hibiscus_50, Heinz_49
- Track 270 : Jojo24_48
- Track 271 : Santhid_48
- Track 272 : ObLaDi_33, ModicumRichard_33, Aleemily_32, Cafasso_33
- Track 273 : Morgana_33
- Track 274 : VanLee_104
- Track 275 : Colossa_101
- Track 276 : TPA4_30
- Track 277 : Mbo4_54
- Track 278 : JeanGrey_131
- Track 279 : Mbo2_63
- Track 280 : Jace_72
- Track 281 : TPA2_54

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

The start number called the most often in the published annotations is 125, it was called in 93 of the 407 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- Adora_25, Agatha_45, AikoCarson_46, Amok_46, AndPeggy_42, Annalisa_25, Axym_44, Azira_42, Balloona_46, Bantam_131, Bavilard_46, Beenie_25, BigChungus_46, BillDoor_45, Biskit_48, Blondies_49, BlueNGold_178, Boopy_181, Bubble_43, Burnsey_45, Buttrmlkdreams_48, CanesSauce_44, CaramelLatte_44, Carsonalex_48, CherryonLim_48, Chickadee_57, ChickenTender_47, ChocoMunchkin_44, Cleo_40, CocoaPuff_47, Cozz_43, DatBoi_128, Dexdert_58, DobbysSock_24, Dolores_25, Dre3_41, ElJefes_48, Elinal_50, Elliott_45, Emalyn_44, Feastonyeet_46, Forza_182, Fribs8_41, Frizzle_40, GTE2_37, GTE6_58, Ghobes_41, Gibbous_41, GoldHunter_46, Gustav_37, HippoPololi_43, Horseradish_48, Hortense_25, KayGee_48, Kudrefre_120, Kwekel_57, Lauer_43, MAnor_48, MScarn_50, MaVan_42, Mahdia_35, Malvina_44, Mareelih_179, Mayweather_51, McDazzle_49, Mcklovin_25, MichaelScott_25, MunkgeeRoachy_43, Nibbles_41, Nina_44, Octobien14_115, Oregano_25, Pons_48, PotPie_46, PsychoKiller_44, Quasar_45, RADical_46, RSchmailzl_46, RedBaron_49, Rizz_28, RoadKill_54, Samman98_25, Sapo_40, Sekhmet_25, Sephiroth_116, SheckWes_50, Shlim410_25, Sienna_96, SketchMex_46, Socotra_46, Sopespian_43, SpeedDemon_1340, Starburst_45, SteamedHams_45, Suerte_23, SummitAcademy_46, Survivors_42, SweatNTears_46, Syleon_121, Tarnish_47, Thimann_25, Tiamoceli_57, Tolls_46, Troje_48, Twinkle_25, Twonlo_54, Typhonomachy_44, VanLee_104, Vine_49, Wallaby_44, Wolfwood_42, Yarn_42, Yucky_49, Yummy_48, Zareef_42,

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

- Clark_25, Easley_25, Howe_25, MakCheese_31, Pepy6_033, Sixama_183, Sprinklemunch_29, WinkNick_25, Zodiariah_29,

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

- APunk_47, Abblin_46, Affeca_43, Aflac_30, Ailee_42, AlainaMarie_30, Aleemily_32, Alephilan_88, Ali17_42, Aloe25_33, Alyssamiracle_87, Angelicage_43, Apeppi_82, Arataki_29, ArchiDore_29, Archimedes_43, Archis_26, Arri_47, ArtetaBall_31, Artorias_27, Ashertheman_46, Astralis_84, Avazak_27, Avian_82, Azula_27, Baddon_45, Bakery_49, Barb_46, Barco_25, Barsten_46, Baumdotcom_44, Begonia_26, Belphegor_45, BetterYeti_30, Beyoncage_95, Bibwit_44, BigHunkinEater_49, BirthdayBoy_89, BiteSize_95, Bizzy_46, Blanky_30, BlingBling_25, Blino_26, Blueberry_27, BluerMoon_30, BobBob_43, Brandonk123_47, Brawn1_42, Bugg_28, Bunnybear_24, Burley_30, Button_48, CWormy_30, Cafasso_33, Camerico_44, CaptainKirk2_25, Captrips_27, Capybara_27, CarolAnn_26, ChadMasterC_46, Charminar_83, Charming_46, CheeseSpider_29, CherryCola_46, CherryTomatoes_180, ChickyNugget_28, Chikenjars_30, Citrus_29, ClamChowder_46, Clown_50, Colossa_101, Conley_28, CoveyB_47, Crocheter_30, Dancer_27, Danyall_46, Daredevil_123, DaviePasture_87, DearBasketball_53, Delian_25, Delrey21_46, Demure_29, Derg_41, Dialga_31, DinoNuggs_51, Djokovic_95, DoctorFroggo_46, DonkeyMan_50, DoobyDoo_86, Dorito_24, Duffington_30, DumpTruck_89, DumpsterDude_29, EMoore_42, Eddiemania_31, Egi03_44, EndAve_30, Erutan_86, Evamon_43, Fazel_28, Fenry_24, Figliar_30, Fireball_45, Fitzgerald_44, Flatwoods_46, Football_28, FortCran_27, Fosterous_43, Frokostdame_25, FuegoCuervo_48, Fugax_47, Fulcrum_85, GMA2_76, GMA3_32, GOATification_85, Gaea_45, Galadriel_45, Gambino_27, Genamy16_87, Geodirt_44, Gezellig_43, GiKK_50, Gibbin_88, Gibbles_38, Gill_27, Glintora_30, Gmala1_33, GordDuk1_33, GordTnk2_33, Gravy_27, Gretellyn_86, Guacamole_25, Gusicorn_30, Gustavo_45, Halo3_44, Hans_46, Heinz_49, Hexbug_53, Hibiscus_50, Hitter_25,

Hortihabitatio_30, Hydrus_31, Hyzer_27, Inspectinfecti_45, Invectra_25, JKSyngboy_43, Jabberwocky_44, Jace_72, Jalammah_27, Jalebi_86, Jambalaya_44, Jamemuya19_82, Jamzy_50, JasperJr_25, JeanGrey_131, Jodelie19_31, JohnPork_45, Jojo24_48, JuJu_26, JulesRay_27, Jumbo_41, Kamashten_43, Kampe_40, KappaFarmDelta_27, Keitabear_45, Kenosha_30, Kerry_27, Kewpiedoll_45, KimmyK_45, Kroos_46, Kwobi_47, Lambo_86, LavAbarElk_86, Lennon_45, Leonard_44, LilHam_43, LilJank_113, Lila22_87, Lilbeanie_44, LilyPad_89, LittleFella_91, Love_49, LuckyLeo_84, Luthien_31, Lysidious_26, Madi_94, Madvan_30, Magel_27, MajinBuu_30, Malachai_26, Margaret_51, Mbo2_63, Mbo4_54, McCrothy_45, McKinley_47, MelBins_45, Melba_25, Mellie_24, Mima20_85, MintFen_25, MissRona_27, ModicumRichard_33, MoiGyank_89, MoontowerMania_45, Morgana_33, Mossy_31, Murp_26, Mutzi_43, Mysticmoon_29, Nadmeg_31, Natkenzie_46, Neville_115, Nithya_30, NoPickles_27, Nodigi_53, NorManre_91, Nordenberg_40, NovaSharks_86, Nubi_44, ObLaDi_33, Obliviate_25, Odesza_27, OhMyWard_30, OlgasClover_30, Orchid_39, Orla_53, OtterstedtS21_87, Paries_48, ParvusTarda_86, Patos_91, PatrickStar_40, Perkunas_29, PerroGrande22_37, PestoPenguin_33, Petito_29, Petra_27, Phauci_37, Phepper_30, Pherobrine_29, Phinally_44, Phlop_43, PhriskyACE_24, PhrostedPhlake_27, PinkCoffee_46, Pipp_25, Poco6_034, Portcullis_45, PullumCavea_43, Pumpkiney_47, Pupper_177, Puppies_35, Pywacket_83, Rabbitrun_118, RanchParmCat_50, Ranch_90, RazorC_84, Reyja_51, Reynauld_61, Ribeye_46, Rickmore_29, Riduram_83, RiverRaider_46, RobinSparkles_42, Rofo_46, RogerDodger_47, Roney_27, Rota_85, Rukungu_87, Rumi_85, Runhaar_30, Ruthy_29, SCentae_176, Sadboi_86, Salvador_43, Samba_25, Sampson_46, Sampudon_88, Sanjuju_44, Santhid_48, Saronaya_45, Savbucketdawg_44, SchottB_44, Schwartz33_31, Scioto_47, Secretariat_28, Sedona_45, Sendy_45, ShaggyRogers_30, SharkTale_45, Shinji_44, Shivanishola_45, Sidious_26, Sitar_45, Sixsevenium_47, Skog_9, SmokingBunny_44, Soilmate_27, Srilaccoli3_56, Stichling_43, Stormer_86, StorminNorm_45, Stultus_44, Suzy_95, SweetCrkHerbs_29, TPA2_54, TPA4_30, Tairn4Wing_29, Talon44_28, Tangent_46, Tangerine_45, Tanis_27, Tardus_47, Tarzan_50, TenaciousP_31, Terapin_96, Thing3_43, Tillicus_80, TillyBobJoe_44, Togo_43, Tonaltzin_32, Towmatter_121, Trax_117, Trine_36, Trufflozitus_27, Tuti_25, Twister6_46, Tycho_45, UmaThurman_25, Untouchable_30, Upyo_37, Utz_25, Valary_46, VanDeWege_47, Vardy_30, Verity_46, ViaConlectus_46, Vivi2_48, Walrus_27, Widow_36, Wisp_24, Wizard_43, Wocket_27, Wojtek_79, Xenia2_89, Yakult_48, Yikes_87, YorkOnyx_46, YungMoney_47, Zany_85, Zarbodnamra_25, Zeph_31, ZiggyZoo_25, Zilla_25, Zipp_47, Zitch_49,

Summary by start number:

Start 72:

- Found in 15 of 479 (3.1%) of genes in pham
- Manual Annotations of this start: 1 of 407
- Called 6.7% of time when present
- Phage (with cluster) where this start called: Sixama_183 (DS),

Start 89:

- Found in 9 of 479 (1.9%) of genes in pham
- Manual Annotations of this start: 9 of 407
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Button_48 (CT), GiKK_50 (CT), Hexbug_53 (CT), Jamzy_50 (CT), Margaret_51 (CT), Nodigi_53 (CT), Orla_53 (CT),

RanchParmCat_50 (CT), Yakult_48 (CT),

Start 105:

- Found in 2 of 479 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 407
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Xenia2_89 (DV),

Start 112:

- Found in 9 of 479 (1.9%) of genes in pham
- Manual Annotations of this start: 6 of 407
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Delrey21_46 (DE4), DoctorFroggo_46 (DE4), DumpTruck_89 (DV), DumpsterDude_29 (DW), Verity_46 (DE4), Zipp_47 (DE4),

Start 115:

- Found in 7 of 479 (1.5%) of genes in pham
- Manual Annotations of this start: 6 of 407
- 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 116:

- Found in 13 of 479 (2.7%) of genes in pham
- No Manual Annotations of this start.
- Called 15.4% of time when present
- Phage (with cluster) where this start called: Mbo2_63 (singleton), TPA2_54 (singleton),

Start 117:

- Found in 58 of 479 (12.1%) of genes in pham
- Manual Annotations of this start: 33 of 407
- Called 60.3% 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 118:

- Found in 3 of 479 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 407
- Called 66.7% of time when present
- Phage (with cluster) where this start called: ArchiDore_29 (DW), EMoore_42 (DE2),

Start 119:

- Found in 60 of 479 (12.5%) of genes in pham

- Manual Annotations of this start: 55 of 407
- Called 98.3% of time when present
- Phage (with cluster) where this start called: Affeca_43 (DE1), Ailee_42 (DE1), Angelicage_43 (DE1), 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), Sprinklemunch_29 (DW), Stichling_43 (DE1), StorminNorm_45 (DE1), Stultus_44 (DE1), Tangent_46 (DE1), Tangerine_45 (DE1), Thing3_43 (DE1), Tycho_45 (DE1), Vivi2_48 (DE1), Wocket_27 (CV), YorkOnyx_46 (DE1), Zodiariah_29 (DW),

Start 120:

- Found in 44 of 479 (9.2%) of genes in pham
- Manual Annotations of this start: 37 of 407
- Called 95.5% 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), GMA2_76 (DS), Gezellig_43 (DC1), Halo3_44 (DC1), Jambalaya_44 (DC1), JohnPork_45 (DC1), KimmyK_45 (DC1), LilJank_113 (DU2), Mutzi_43 (DC1), Neville_115 (DU2), Nubi_44 (DC1), Phlop_43 (DC1), PinkCoffee_46 (DC1), Portcullis_45 (DC1), PullumCavea_43 (DC1), Rabbitrun_118 (DU2), RogerDodger_47 (DC1), Salvador_43 (DC1), Savbucketdawg_44 (DC1), Sendy_45 (DC1), SharkTale_45 (DC1), SmokingBunny_44 (DC1), TillyBobJoe_44 (DC1), Togo_43 (DC1), Towmatter_121 (DL), Trax_117 (DU2), Twister6_46 (DC1), Valary_46 (DC1), VanDeWege_47 (DC1), Wizard_43 (DC1), YungMoney_47 (DC1),

Start 121:

- Found in 8 of 479 (1.7%) of genes in pham
- Manual Annotations of this start: 8 of 407
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ali17_42 (DE2), Belphegor_45 (DE2), Hans_46 (DE2), Inspectinfecti_45 (DE2), Leonard_44 (DE2), MelBins_45 (DE2), Phauci_37 (DE2), Phinally_44 (DE2),

Start 122:

- Found in 29 of 479 (6.1%) of genes in pham
- Manual Annotations of this start: 19 of 407
- Called 82.8% of time when present
- Phage (with cluster) where this start called: APunk_47 (DE4), Abblin_46 (DE4), BigHunkinEater_49 (DE4), Clown_50 (DC2), Colossa_101 (KA), DearBasketball_53 (DY), DinoNuggs_51 (DY), DonkeyMan_50 (DY), Heinz_49 (DY), Hibiscus_50 (DY), Jojo24_48 (DY), Natkenzie_46 (DE4), Pumpkiney_47 (DE4), Reyja_51 (DY), Reynauld_61 (CH), Sampson_46 (DE4), Santhid_48 (DY), Scioto_47 (DE4), Srilaccoli3_56 (CH), TPA4_30 (singleton), Tardus_47 (DE4), Tarzan_50 (DY),

ViaConlectus_46 (DE4), Zitch_49 (DE4),

Start 123:

- Found in 8 of 479 (1.7%) of genes in pham
- Manual Annotations of this start: 6 of 407
- Called 75.0% of time when present
- Phage (with cluster) where this start called: Hyzer_27 (CZ1), Lilbeanie_44 (DE5), Petra_27 (CV), PhriskyACE_24 (CZ4), Sidious_26 (CZ7), Tuti_25 (CZ4),

Start 124:

- Found in 43 of 479 (9.0%) of genes in pham
- Manual Annotations of this start: 35 of 407
- Called 90.7% of time when present
- Phage (with cluster) where this start called: Alephilan_88 (DV), Alyssamiracle_87 (DV), Astralis_84 (DV), Avian_82 (DV), BirthdayBoy_89 (DV), Charminar_83 (DV), DaviePasture_87 (DV), DoobyDoo_86 (DV), Erutan_86 (DV), Fulcrum_85 (DV), GOATification_85 (DV), Genamy16_87 (DV), Gibbin_88 (DV), GretelLyn_86 (DV), Jalebi_86 (DV), Jamemuya19_82 (DV), Lambo_86 (DV), LavAbarElk_86 (DV), Lila22_87 (DV), Mima20_85 (DV), MoiGyank_89 (DV), NorManre_91 (DV), NovaSharks_86 (DV), OtterstedtS21_87 (DV), ParvusTarda_86 (DV), Patos_91 (DV), Pywacket_83 (DV), Ranch_90 (DV), RazorC_84 (DV), Riduram_83 (DV), Rota_85 (DV), Rukungu_87 (DV), Rumi_85 (DV), Sadboi_86 (DV), Sampudon_88 (DV), Tillicus_80 (DV), Wojtek_79 (DV), Yikes_87 (DV), Zany_85 (DV),

Start 125:

- Found in 124 of 479 (25.9%) of genes in pham
- Manual Annotations of this start: 93 of 407
- Called 92.7% of time when present
- Phage (with cluster) where this start called: Adora_25 (CZ4), Agatha_45 (CT), AikoCarson_46 (CT), Amok_46 (CT), AndPeggy_42 (CT), Annalisa_25 (CZ4), Axym_44 (CT), Azira_42 (CT), Balloona_46 (CT), Bantam_131 (DL), Bavilard_46 (CT), Beenie_25 (CZ4), BigChungus_46 (CT), BillDoor_45 (CT), Biskit_48 (CT), Blondies_49 (CT), BlueNGold_178 (DS), Boopy_181 (DS), Bubble_43 (CT), Burnsey_45 (CT), Buttrmlkdreams_48 (CT), CanesSauce_44 (CT), CaramelLatte_44 (CT), Carsonalex_48 (CT), CherryonLim_48 (CT), Chickadee_57 (DE3), ChickenTender_47 (CT), ChocoMunchkin_44 (CT), Cleo_40 (CT), CocoaPuff_47 (CT), Cozz_43 (CT), DatBoi_128 (DL), Dextert_58 (DE3), DobbysSock_24 (CZ4), Dolores_25 (CZ4), Dre3_41 (CT), ElJefes_48 (CT), Elinal_50 (CT), Elliott_45 (CT), Emalyn_44 (CT), Feastonyeet_46 (CT), Forza_182 (DS), Fribs8_41 (CT), Frizzle_40 (DA), GTE2_37 (CT), GTE6_58 (DE3), Ghobes_41 (DA), Gibbous_41 (CT), GoldHunter_46 (CT), Gustav_37 (CD), HippoPololi_43 (CT), Horseradish_48 (CT), Hortense_25 (CZ4), KayGee_48 (CT), Kudrefre_120 (DU1), Kwekel_57 (DE3), Lauer_43 (CT), MAnor_48 (CT), MScarn_50 (CT), MaVan_42 (CT), Mahdia_35 (CD), Malvina_44 (CT), Mareelih_179 (DS), Mayweather_51 (CT), McDazzle_49 (CT), Mcklovin_25 (CZ4), MichaelScott_25 (CZ4), MunkgeeRoachy_43 (CT), Nibbles_41 (CT), Nina_44 (CT), Octobien14_115 (DU1), Oregano_25 (CZ4), Pons_48 (CT), PotPie_46 (CT), PsychoKiller_44 (CT), Quasar_45 (CT), RADical_46 (CT), RSchmailzl_46 (CT), RedBaron_49 (CT), Rizz_28 (CZ4), RoadKill_54 (DE3), Samman98_25 (CZ4), Sapo_40 (DA), Sekhmet_25 (CZ4), Sephiroth_116 (DU1), SheckWes_50 (CT), Shlim410_25 (CZ4), Sienna_96 (DG1), SketchMex_46 (CT), Socotra_46 (CT), Sopespian_43 (CT), SpeedDemon_1340 (DL), Starburst_45 (CT), SteamedHams_45 (CT), Suerte_23 (CZ4), SummitAcademy_46 (CT), Survivors_42 (CT), SweatNTears_46 (CT), Syleon_121 (DU1), Tarnish_47 (CT), Thimann_25

(CZ4), Tiamoceli_57 (DE3), Tolls_46 (CT), Troje_48 (CT), Twinkle_25 (CZ4), Twonlo_54 (DE3), Typhonmachy_44 (CT), VanLee_104 (KA), Vine_49 (CT), Wallaby_44 (CT), Wolfwood_42 (CT), Yarn_42 (CT), Yucky_49 (CT), Yummy_48 (CT), Zareef_42 (CT),

Start 127:

- Found in 23 of 479 (4.8%) of genes in pham
- Manual Annotations of this start: 22 of 407
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Aleemily_32 (DZ), Archimedes_43 (DA), Beyoncage_95 (DG1), BiteSize_95 (DG1), Cafasso_33 (DZ), CherryTomatoes_180 (DO), Djokovic_95 (DG1), LilyPad_89 (DG1), LittleFella_91 (DG2), Madi_94 (DG1), Mbo4_54 (singleton), ModicumRichard_33 (DZ), Morgana_33 (DZ), ObLaDi_33 (DZ), Pupper_177 (DO), Puppies_35 (CD), SCentae_176 (DO), Skog_9 (DO), Suzy_95 (DG1), Terapin_96 (DG1), Trine_36 (CD), Upyo_37 (CD), Widow_36 (CD),

Start 130:

- Found in 169 of 479 (35.3%) of genes in pham
- Manual Annotations of this start: 62 of 407
- Called 47.3% 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), Capybara_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), Easley_25 (CZ4), 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), 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), Mossy_31 (DJ), Mysticmoon_29 (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), Petite_29 (DJ), Phepper_30 (DJ), Pherobrine_29 (DJ), Poco6_034 (CC), Rickmore_29 (DJ), Roney_27 (DJ), Runhaar_30 (DJ), Ruthy_29 (DW), 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_27 (DJ), Untouchable_30 (DJ), Vardy_30 (DJ), WinkNick_25 (CZ4), Zeph_31 (DJ),

Start 132:

- Found in 30 of 479 (6.3%) of genes in pham
- Manual Annotations of this start: 4 of 407
- Called 30.0% of time when present
- Phage (with cluster) where this start called: Apeppi_82 (DV), Camerico_44 (DF4), GMA3_32 (DF2), Gmala1_33 (DF1), GordDuk1_33 (DF1), GordTnk2_33 (DF1), Jumbo_41 (DF3), LuckyLeo_84 (DV), Stormer_86 (DV),

Start 135:

- Found in 5 of 479 (1.0%) of genes in pham
- Manual Annotations of this start: 5 of 407
- Called 100.0% 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 138:

- Found in 17 of 479 (3.5%) of genes in pham
- Manual Annotations of this start: 1 of 407
- Called 5.9% of time when present
- Phage (with cluster) where this start called: Jace_72 (singleton),

Start 142:

- Found in 84 of 479 (17.5%) of genes in pham
- Manual Annotations of this start: 1 of 407
- Called 2.4% of time when present
- Phage (with cluster) where this start called: Howe_25 (CZ4), MakCheese_31 (DW),

Start 150:

- Found in 141 of 479 (29.4%) of genes in pham
- Manual Annotations of this start: 1 of 407
- Called 0.7% of time when present
- Phage (with cluster) where this start called: Gambino_27 (CV),

Start 181:

- Found in 208 of 479 (43.4%) of genes in pham
- No Manual Annotations of this start.
- Called 0.5% of time when present
- Phage (with cluster) where this start called: Shinji_44 (DC1),

Start 190:

- Found in 29 of 479 (6.1%) of genes in pham
- No Manual Annotations of this start.
- Called 3.4% of time when present
- Phage (with cluster) where this start called: Sixsevenium_47 (DC1),

Summary by clusters:

There are 36 clusters represented in this pham: DO, DL, DJ, CZ1, CZ7, CZ4, DA, DZ, DY, DV, DW, DS, DF4, DF1, DF3, DF2, DU1, DU2, CT, CH, CC, CD, DG2, CZ, CX, singleton, DC2, CV, DC1, KA, DE1, DE2, DE3, DE4, DE5, DG1,

Info for manual annotations of cluster CD:

- Start number 125 was manually annotated 2 times for cluster CD.
- Start number 127 was manually annotated 4 times for cluster CD.

Info for manual annotations of cluster CH:

- Start number 122 was manually annotated 1 time for cluster CH.

Info for manual annotations of cluster CT:

- Start number 89 was manually annotated 9 times for cluster CT.
- Start number 125 was manually annotated 54 times for cluster CT.

Info for manual annotations of cluster CV:

- Start number 115 was manually annotated 6 times for cluster CV.

- Start number 117 was manually annotated 29 times for cluster CV.
- Start number 119 was manually annotated 1 time for cluster CV.
- Start number 123 was manually annotated 1 time for cluster CV.
- Start number 150 was manually annotated 1 time for cluster CV.

Info for manual annotations of cluster CX:

- Start number 135 was manually annotated 5 times for cluster CX.

Info for manual annotations of cluster CZ:

- Start number 117 was manually annotated 1 time for cluster CZ.

Info for manual annotations of cluster CZ1:

- Start number 123 was manually annotated 1 time for cluster CZ1.

Info for manual annotations of cluster CZ4:

- Start number 117 was manually annotated 3 times for cluster CZ4.
- Start number 123 was manually annotated 2 times for cluster CZ4.
- Start number 125 was manually annotated 15 times for cluster CZ4.
- Start number 130 was manually annotated 2 times for cluster CZ4.
- Start number 142 was manually annotated 1 time for cluster CZ4.

Info for manual annotations of cluster CZ7:

- Start number 123 was manually annotated 1 time for cluster CZ7.

Info for manual annotations of cluster DA:

- Start number 125 was manually annotated 3 times for cluster DA.
- Start number 127 was manually annotated 1 time for cluster DA.

Info for manual annotations of cluster DC1:

- Start number 120 was manually annotated 32 times for cluster DC1.

Info for manual annotations of cluster DC2:

- Start number 122 was manually annotated 1 time for cluster DC2.

Info for manual annotations of cluster DE1:

- Start number 119 was manually annotated 53 times for cluster DE1.

Info for manual annotations of cluster DE2:

- Start number 118 was manually annotated 1 time for cluster DE2.
- Start number 121 was manually annotated 8 times for cluster DE2.

Info for manual annotations of cluster DE3:

- Start number 125 was manually annotated 6 times for cluster DE3.

Info for manual annotations of cluster DE4:

- Start number 112 was manually annotated 4 times for cluster DE4.
- Start number 122 was manually annotated 9 times for cluster DE4.

Info for manual annotations of cluster DE5:

- Start number 123 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DF3:

- Start number 132 was manually annotated 1 time for cluster DF3.

Info for manual annotations of cluster DF4:

- Start number 132 was manually annotated 1 time for cluster DF4.

Info for manual annotations of cluster DG1:

- Start number 125 was manually annotated 1 time for cluster DG1.
- Start number 127 was manually annotated 7 times for cluster DG1.

Info for manual annotations of cluster DG2:

- Start number 127 was manually annotated 1 time for cluster DG2.

Info for manual annotations of cluster DJ:

- Start number 130 was manually annotated 58 times for cluster DJ.

Info for manual annotations of cluster DL:

- Start number 120 was manually annotated 2 times for cluster DL.
- Start number 125 was manually annotated 3 times for cluster DL.

Info for manual annotations of cluster DO:

- Start number 127 was manually annotated 4 times for cluster DO.

Info for manual annotations of cluster DS:

- Start number 72 was manually annotated 1 time for cluster DS.
- Start number 125 was manually annotated 4 times for cluster DS.

Info for manual annotations of cluster DU1:

- Start number 125 was manually annotated 4 times for cluster DU1.

Info for manual annotations of cluster DU2:

- Start number 120 was manually annotated 3 times for cluster DU2.

Info for manual annotations of cluster DV:

- Start number 105 was manually annotated 1 time for cluster DV.
- Start number 112 was manually annotated 1 time for cluster DV.
- Start number 124 was manually annotated 35 times for cluster DV.
- Start number 132 was manually annotated 2 times for cluster DV.

Info for manual annotations of cluster DW:

- Start number 112 was manually annotated 1 time for cluster DW.
- Start number 118 was manually annotated 1 time for cluster DW.
- Start number 119 was manually annotated 1 time for cluster DW.
- Start number 130 was manually annotated 1 time for cluster DW.

Info for manual annotations of cluster DY:

- Start number 122 was manually annotated 7 times for cluster DY.

Info for manual annotations of cluster DZ:

- Start number 127 was manually annotated 5 times for cluster DZ.

Info for manual annotations of cluster KA:

- Start number 122 was manually annotated 1 time for cluster KA.

- Start number 125 was manually annotated 1 time for cluster KA.

Gene Information:

Gene: APunk_47 Start: 40146, Stop: 40871, Start Num: 122

Candidate Starts for APunk_47:

(60, 39999), (71, 40035), (Start: 122 @40146 has 19 MA's), (Start: 150 @40200 has 1 MA's), (181, 40251), (185, 40260), (210, 40311), (217, 40329), (236, 40371), (252, 40428), (262, 40452), (295, 40518), (332, 40617), (345, 40653), (362, 40680), (419, 40791), (432, 40827),

Gene: Abblin_46 Start: 40683, Stop: 41405, Start Num: 122

Candidate Starts for Abblin_46:

(40, 40467), (71, 40572), (Start: 122 @40683 has 19 MA's), (181, 40788), (185, 40797), (210, 40848), (217, 40866), (236, 40908), (257, 40974), (259, 40980), (262, 40986), (295, 41052), (332, 41151), (419, 41325), (427, 41346), (432, 41361),

Gene: Adora_25 Start: 21784, Stop: 22572, Start Num: 125

Candidate Starts for Adora_25:

(Start: 117 @21772 has 33 MA's), (Start: 125 @21784 has 93 MA's), (Start: 130 @21796 has 62 MA's), (131, 21799), (Start: 142 @21826 has 1 MA's), (Start: 150 @21838 has 1 MA's), (181, 21889), (215, 21982), (234, 22027), (235, 22030), (236, 22033), (250, 22093), (257, 22111), (262, 22123), (263, 22126), (264, 22129), (304, 22219), (332, 22306), (416, 22474), (421, 22492), (436, 22528), (452, 22552),

Gene: Affeca_43 Start: 39450, Stop: 40184, Start Num: 119

Candidate Starts for Affeca_43:

(84, 39393), (Start: 119 @39450 has 55 MA's), (Start: 130 @39468 has 62 MA's), (181, 39555), (191, 39582), (210, 39630), (217, 39648), (236, 39690), (261, 39768), (285, 39810), (298, 39843), (345, 39978), (369, 40017), (419, 40116), (429, 40143), (448, 40176),

Gene: Aflac_30 Start: 22320, Stop: 23108, Start Num: 130

Candidate Starts for Aflac_30:

(Start: 130 @22320 has 62 MA's), (148, 22365), (163, 22395), (168, 22407), (193, 22461), (246, 22608), (257, 22635), (263, 22650), (296, 22734), (332, 22839), (333, 22842), (375, 22917), (444, 23064),

Gene: Agatha_45 Start: 33907, Stop: 33068, Start Num: 125

Candidate Starts for Agatha_45:

(22, 34228), (25, 34204), (27, 34201), (43, 34114), (52, 34069), (68, 34018), (83, 33967), (Start: 125 @33907 has 93 MA's), (Start: 150 @33847 has 1 MA's), (165, 33817), (169, 33811), (205, 33730), (241, 33622), (364, 33298), (446, 33127), (449, 33118),

Gene: AikoCarson_46 Start: 34085, Stop: 33246, Start Num: 125

Candidate Starts for AikoCarson_46:

(83, 34160), (Start: 125 @34085 has 93 MA's), (Start: 150 @34025 has 1 MA's), (169, 33989), (190, 33947), (205, 33908), (210, 33890), (222, 33866), (290, 33680), (314, 33608), (449, 33296),

Gene: Ailee_42 Start: 39043, Stop: 39777, Start Num: 119

Candidate Starts for Ailee_42:

(111, 39037), (Start: 119 @39043 has 55 MA's), (Start: 130 @39061 has 62 MA's), (181, 39148), (191, 39175), (210, 39223), (217, 39241), (236, 39283), (261, 39361), (285, 39403), (298, 39436), (345,

39571), (369, 39610), (419, 39709), (429, 39736), (448, 39769),

Gene: AlainaMarie_30 Start: 22307, Stop: 23095, Start Num: 130

Candidate Starts for AlainaMarie_30:

(Start: 130 @22307 has 62 MA's), (148, 22352), (163, 22382), (168, 22394), (193, 22448), (246, 22595), (261, 22631), (263, 22637), (332, 22826), (333, 22829), (358, 22886), (375, 22904), (389, 22931), (444, 23051),

Gene: Aleemily_32 Start: 27271, Stop: 28023, Start Num: 127

Candidate Starts for Aleemily_32:

(Start: 127 @27271 has 22 MA's), (Start: 150 @27322 has 1 MA's), (236, 27499), (271, 27598), (308, 27658), (332, 27736), (362, 27799), (395, 27862), (403, 27889), (452, 27991),

Gene: Alephilan_88 Start: 59241, Stop: 60092, Start Num: 124

Candidate Starts for Alephilan_88:

(51, 59064), (61, 59091), (63, 59100), (67, 59115), (Start: 72 @59124 has 1 MA's), (109, 59217), (110, 59220), (Start: 124 @59241 has 35 MA's), (128, 59250), (137, 59271), (152, 59313), (155, 59319), (177, 59364), (218, 59469), (234, 59505), (238, 59517), (245, 59556), (314, 59736), (336, 59811), (347, 59841), (374, 59889), (375, 59892), (397, 59946), (419, 59991), (456, 60069),

Gene: Ali17_42 Start: 38338, Stop: 39057, Start Num: 121

Candidate Starts for Ali17_42:

(Start: 121 @38338 has 8 MA's), (131, 38353), (Start: 150 @38392 has 1 MA's), (181, 38443), (210, 38503), (302, 38722), (308, 38731), (314, 38749), (332, 38809), (369, 38884), (419, 38983), (434, 39022), (447, 39043),

Gene: Aloe25_33 Start: 22097, Stop: 22885, Start Num: 130

Candidate Starts for Aloe25_33:

(Start: 130 @22097 has 62 MA's), (148, 22142), (168, 22184), (193, 22238), (263, 22427), (332, 22616), (333, 22619), (375, 22694), (444, 22841),

Gene: Alyssamiracle_87 Start: 57197, Stop: 58048, Start Num: 124

Candidate Starts for Alyssamiracle_87:

(109, 57173), (110, 57176), (Start: 124 @57197 has 35 MA's), (Start: 132 @57218 has 4 MA's), (137, 57227), (152, 57269), (155, 57275), (177, 57320), (216, 57422), (218, 57425), (234, 57461), (238, 57473), (245, 57512), (256, 57542), (257, 57545), (262, 57557), (263, 57560), (314, 57692), (334, 57758), (336, 57767), (347, 57797), (363, 57824), (374, 57845), (397, 57902), (419, 57947), (456, 58025),

Gene: Amok_46 Start: 34109, Stop: 33270, Start Num: 125

Candidate Starts for Amok_46:

(83, 34184), (Start: 125 @34109 has 93 MA's), (Start: 150 @34049 has 1 MA's), (169, 34013), (190, 33971), (205, 33932), (210, 33914), (222, 33890), (290, 33704), (314, 33632), (345, 33530), (449, 33320), (466, 33287),

Gene: AndPeggy_42 Start: 33440, Stop: 32601, Start Num: 125

Candidate Starts for AndPeggy_42:

(Start: 125 @33440 has 93 MA's), (Start: 150 @33380 has 1 MA's), (169, 33344), (176, 33335), (205, 33263), (241, 33155), (259, 33101), (275, 33065), (290, 33035), (307, 32984), (314, 32963), (398, 32759), (409, 32738), (449, 32651), (459, 32633),

Gene: Angelicage_43 Start: 39868, Stop: 40602, Start Num: 119

Candidate Starts for Angelicage_43:

(84, 39811), (Start: 119 @39868 has 55 MA's), (Start: 130 @39886 has 62 MA's), (181, 39973), (191, 40000), (210, 40048), (217, 40066), (236, 40108), (261, 40186), (285, 40228), (298, 40261), (345, 40396), (369, 40435), (419, 40534), (429, 40561), (448, 40594),

Gene: Annalisa_25 Start: 21246, Stop: 22034, Start Num: 125

Candidate Starts for Annalisa_25:

(Start: 117 @21234 has 33 MA's), (Start: 125 @21246 has 93 MA's), (Start: 130 @21258 has 62 MA's), (131, 21261), (Start: 150 @21300 has 1 MA's), (153, 21303), (181, 21351), (215, 21444), (234, 21489), (235, 21492), (236, 21495), (250, 21555), (257, 21573), (262, 21585), (263, 21588), (264, 21591), (304, 21681), (332, 21768), (416, 21936), (421, 21954), (436, 21990), (452, 22014),

Gene: Apeppi_82 Start: 58457, Stop: 59287, Start Num: 132

Candidate Starts for Apeppi_82:

(109, 58415), (110, 58418), (116, 58427), (Start: 124 @58439 has 35 MA's), (Start: 132 @58457 has 4 MA's), (137, 58466), (143, 58490), (152, 58508), (180, 58565), (234, 58700), (242, 58739), (245, 58751), (257, 58784), (262, 58796), (269, 58817), (304, 58904), (314, 58931), (337, 59009), (347, 59036), (349, 59042), (359, 59057), (363, 59063), (397, 59141), (415, 59177), (457, 59267),

Gene: Arataki_29 Start: 21413, Stop: 22201, Start Num: 130

Candidate Starts for Arataki_29:

(Start: 130 @21413 has 62 MA's), (163, 21488), (168, 21500), (193, 21554), (194, 21560), (213, 21605), (246, 21701), (252, 21719), (257, 21728), (261, 21737), (263, 21743), (332, 21932), (333, 21935), (337, 21950), (389, 22037), (444, 22157),

Gene: ArchiDore_29 Start: 24523, Stop: 25320, Start Num: 118

Candidate Starts for ArchiDore_29:

(31, 24259), (35, 24286), (41, 24316), (50, 24361), (57, 24373), (90, 24484), (Start: 112 @24514 has 6 MA's), (Start: 118 @24523 has 2 MA's), (Start: 130 @24538 has 62 MA's), (131, 24541), (Start: 142 @24568 has 1 MA's), (Start: 150 @24580 has 1 MA's), (160, 24595), (181, 24631), (215, 24724), (246, 24823), (250, 24835), (257, 24853), (262, 24865), (263, 24868), (264, 24871), (280, 24904), (332, 25048), (338, 25069), (416, 25216), (436, 25267), (452, 25291),

Gene: Archimedes_43 Start: 37658, Stop: 38419, Start Num: 127

Candidate Starts for Archimedes_43:

(Start: 127 @37658 has 22 MA's), (Start: 150 @37715 has 1 MA's), (164, 37739), (207, 37835), (208, 37841), (210, 37847), (236, 37895), (237, 37898), (239, 37913), (242, 37928), (253, 37964), (316, 38093), (392, 38264), (406, 38291),

Gene: Archis_26 Start: 21363, Stop: 22166, Start Num: 117

Candidate Starts for Archis_26:

(Start: 117 @21363 has 33 MA's), (Start: 142 @21411 has 1 MA's), (Start: 150 @21423 has 1 MA's), (160, 21438), (181, 21474), (215, 21567), (236, 21618), (246, 21666), (250, 21678), (257, 21696), (262, 21708), (263, 21711), (264, 21714), (312, 21822), (332, 21891), (338, 21912), (341, 21918), (420, 22074), (436, 22110), (452, 22134), (462, 22155),

Gene: Arri_47 Start: 36352, Stop: 37107, Start Num: 120

Candidate Starts for Arri_47:

(81, 36274), (Start: 120 @36352 has 37 MA's), (151, 36424), (207, 36532), (233, 36577), (301, 36727), (304, 36733), (314, 36760), (329, 36808), (378, 36910), (414, 36994), (451, 37066),

Gene: ArtetaBall_31 Start: 22450, Stop: 23238, Start Num: 130

Candidate Starts for ArtetaBall_31:

(Start: 130 @22450 has 62 MA's), (163, 22525), (168, 22537), (193, 22591), (194, 22597), (213, 22642), (227, 22672), (246, 22738), (252, 22756), (258, 22768), (261, 22774), (263, 22780), (332, 22969), (333, 22972), (337, 22987), (375, 23047), (444, 23194),

Gene: Artorias_27 Start: 19318, Stop: 20103, Start Num: 130

Candidate Starts for Artorias_27:

(Start: 130 @19318 has 62 MA's), (Start: 138 @19333 has 1 MA's), (148, 19363), (193, 19459), (194, 19465), (245, 19603), (258, 19636), (263, 19648), (332, 19837), (333, 19840), (375, 19915), (444, 20062),

Gene: Ashertheman_46 Start: 39868, Stop: 40611, Start Num: 119

Candidate Starts for Ashertheman_46:

(Start: 119 @39868 has 55 MA's), (Start: 130 @39886 has 62 MA's), (151, 39931), (181, 39976), (207, 40039), (210, 40051), (217, 40069), (236, 40111), (240, 40138), (285, 40231), (289, 40243), (334, 40363), (345, 40399), (352, 40411), (369, 40438), (390, 40471), (402, 40504), (419, 40537), (429, 40564),

Gene: Astralis_84 Start: 56776, Stop: 57627, Start Num: 124

Candidate Starts for Astralis_84:

(109, 56752), (110, 56755), (Start: 124 @56776 has 35 MA's), (Start: 132 @56797 has 4 MA's), (137, 56806), (152, 56848), (155, 56854), (177, 56899), (216, 57001), (218, 57004), (234, 57040), (238, 57052), (245, 57091), (256, 57121), (257, 57124), (262, 57136), (263, 57139), (314, 57271), (334, 57337), (336, 57346), (347, 57376), (363, 57403), (374, 57424), (397, 57481), (419, 57526), (456, 57604),

Gene: Avazak_27 Start: 19325, Stop: 20110, Start Num: 130

Candidate Starts for Avazak_27:

(Start: 130 @19325 has 62 MA's), (Start: 138 @19340 has 1 MA's), (148, 19370), (193, 19466), (194, 19472), (245, 19610), (258, 19643), (263, 19655), (332, 19844), (333, 19847), (375, 19922), (444, 20069),

Gene: Avian_82 Start: 56928, Stop: 57779, Start Num: 124

Candidate Starts for Avian_82:

(61, 56778), (63, 56787), (67, 56802), (Start: 72 @56811 has 1 MA's), (109, 56904), (110, 56907), (Start: 124 @56928 has 35 MA's), (Start: 132 @56949 has 4 MA's), (137, 56958), (152, 57000), (155, 57006), (177, 57051), (216, 57153), (218, 57156), (234, 57192), (238, 57204), (245, 57243), (256, 57273), (257, 57276), (262, 57288), (263, 57291), (314, 57423), (334, 57489), (336, 57498), (347, 57528), (363, 57555), (374, 57576), (397, 57633), (419, 57678), (456, 57756),

Gene: Axym_44 Start: 33804, Stop: 32965, Start Num: 125

Candidate Starts for Axym_44:

(22, 34125), (25, 34101), (43, 34011), (52, 33966), (68, 33915), (83, 33864), (Start: 125 @33804 has 93 MA's), (Start: 150 @33744 has 1 MA's), (169, 33708), (205, 33627), (241, 33519), (251, 33486), (364, 33195), (449, 33015),

Gene: Azira_42 Start: 33186, Stop: 32428, Start Num: 125

Candidate Starts for Azira_42:

(Start: 125 @33186 has 93 MA's), (Start: 142 @33147 has 1 MA's), (Start: 150 @33129 has 1 MA's), (169, 33093), (181, 33078), (189, 33054), (202, 33018), (210, 32994), (234, 32940), (240, 32907), (271, 32835), (285, 32814), (317, 32754), (338, 32676), (364, 32631), (395, 32586), (446, 32472), (454, 32457),

Gene: Azula_27 Start: 21464, Stop: 22264, Start Num: 117

Candidate Starts for Azula_27:

(53, 21314), (Start: 117 @21464 has 33 MA's), (Start: 142 @21512 has 1 MA's), (Start: 150 @21524 has 1 MA's), (181, 21575), (215, 21668), (236, 21719), (249, 21776), (250, 21779), (257, 21797), (262, 21809), (263, 21812), (264, 21815), (332, 21992), (338, 22013), (341, 22019), (362, 22055), (416, 22160), (420, 22175), (421, 22178), (436, 22211), (452, 22235),

Gene: Baddon_45 Start: 40406, Stop: 41149, Start Num: 119

Candidate Starts for Baddon_45:

(Start: 119 @40406 has 55 MA's), (Start: 130 @40424 has 62 MA's), (151, 40469), (181, 40514), (207, 40577), (210, 40589), (217, 40607), (236, 40649), (240, 40676), (285, 40769), (289, 40781), (334, 40901), (345, 40937), (352, 40949), (369, 40976), (390, 41009), (402, 41042), (419, 41075), (429, 41102),

Gene: Bakery_49 Start: 37499, Stop: 38254, Start Num: 120

Candidate Starts for Bakery_49:

(35, 37256), (71, 37388), (102, 37472), (110, 37484), (Start: 120 @37499 has 37 MA's), (Start: 130 @37517 has 62 MA's), (151, 37571), (179, 37604), (181, 37607), (190, 37634), (207, 37679), (301, 37874), (304, 37880), (314, 37907), (329, 37955), (378, 38057), (414, 38141), (451, 38213), (457, 38225),

Gene: Balloona_46 Start: 35119, Stop: 34316, Start Num: 125

Candidate Starts for Balloona_46:

(83, 35179), (Start: 125 @35119 has 93 MA's), (210, 34912), (235, 34858), (239, 34837), (243, 34819), (245, 34810), (252, 34798), (259, 34783), (312, 34672), (317, 34654), (328, 34621), (370, 34519), (398, 34459), (409, 34438), (439, 34369), (460, 34330), (466, 34321),

Gene: Bantam_131 Start: 78134, Stop: 78856, Start Num: 125

Candidate Starts for Bantam_131:

(49, 77963), (88, 78083), (104, 78107), (Start: 125 @78134 has 93 MA's), (147, 78191), (195, 78287),

Gene: Barb_46 Start: 36471, Stop: 37226, Start Num: 120

Candidate Starts for Barb_46:

(110, 36456), (Start: 120 @36471 has 37 MA's), (151, 36543), (181, 36579), (207, 36651), (301, 36846), (304, 36852), (314, 36879), (329, 36927), (378, 37029), (414, 37113), (451, 37185),

Gene: Barco_25 Start: 21152, Stop: 21955, Start Num: 117

Candidate Starts for Barco_25:

(Start: 117 @21152 has 33 MA's), (Start: 142 @21200 has 1 MA's), (Start: 150 @21212 has 1 MA's), (160, 21227), (181, 21263), (215, 21356), (236, 21407), (249, 21464), (250, 21467), (257, 21485), (262, 21497), (263, 21500), (264, 21503), (332, 21680), (338, 21701), (341, 21707), (420, 21863), (436, 21899), (452, 21923), (462, 21944),

Gene: Barsten_46 Start: 40023, Stop: 40757, Start Num: 119

Candidate Starts for Barsten_46:

(58, 39876), (84, 39966), (Start: 119 @40023 has 55 MA's), (Start: 130 @40041 has 62 MA's), (181, 40128), (191, 40155), (210, 40203), (217, 40221), (236, 40263), (261, 40341), (285, 40383), (298, 40416), (345, 40551), (369, 40590), (419, 40689), (429, 40716), (448, 40749),

Gene: Baumdotcom_44 Start: 39257, Stop: 40000, Start Num: 119

Candidate Starts for Baumdotcom_44:

(Start: 119 @39257 has 55 MA's), (Start: 130 @39275 has 62 MA's), (151, 39320), (181, 39365), (210, 39440), (217, 39458), (236, 39500), (285, 39620), (289, 39632), (334, 39752), (345, 39788), (352, 39800), (369, 39827), (390, 39860), (402, 39893), (419, 39926), (429, 39953),

Gene: Bavilard_46 Start: 34976, Stop: 34173, Start Num: 125

Candidate Starts for Bavilard_46:

(83, 35036), (Start: 125 @34976 has 93 MA's), (Start: 142 @34934 has 1 MA's), (210, 34769), (239, 34694), (243, 34676), (245, 34667), (259, 34640), (312, 34529), (317, 34511), (328, 34478), (370, 34376), (371, 34373), (409, 34295), (411, 34292), (439, 34226), (460, 34187), (466, 34178),

Gene: Beenie_25 Start: 21603, Stop: 22391, Start Num: 125

Candidate Starts for Beenie_25:

(Start: 117 @21591 has 33 MA's), (Start: 125 @21603 has 93 MA's), (Start: 130 @21615 has 62 MA's), (131, 21618), (Start: 142 @21645 has 1 MA's), (Start: 150 @21657 has 1 MA's), (181, 21708), (215, 21801), (234, 21846), (235, 21849), (236, 21852), (250, 21912), (257, 21930), (262, 21942), (263, 21945), (264, 21948), (304, 22038), (332, 22125), (345, 22161), (421, 22311), (436, 22347), (452, 22371),

Gene: Begonia_26 Start: 21633, Stop: 22436, Start Num: 117

Candidate Starts for Begonia_26:

(Start: 117 @21633 has 33 MA's), (Start: 142 @21681 has 1 MA's), (Start: 150 @21693 has 1 MA's), (160, 21708), (181, 21744), (215, 21837), (236, 21888), (249, 21945), (250, 21948), (257, 21966), (262, 21978), (263, 21981), (264, 21984), (332, 22161), (338, 22182), (341, 22188), (420, 22344), (436, 22380), (452, 22404), (462, 22425),

Gene: Belphegor_45 Start: 40390, Stop: 41112, Start Num: 121

Candidate Starts for Belphegor_45:

(80, 40306), (Start: 121 @40390 has 8 MA's), (131, 40405), (Start: 150 @40444 has 1 MA's), (181, 40495), (210, 40558), (302, 40777), (331, 40861), (332, 40864), (369, 40939), (434, 41077), (447, 41098),

Gene: BetterYeti_30 Start: 22097, Stop: 22885, Start Num: 130

Candidate Starts for BetterYeti_30:

(Start: 130 @22097 has 62 MA's), (148, 22142), (168, 22184), (193, 22238), (263, 22427), (332, 22616), (333, 22619), (375, 22694), (444, 22841),

Gene: Beyoncage_95 Start: 65472, Stop: 66188, Start Num: 127

Candidate Starts for Beyoncage_95:

(Start: 127 @65472 has 22 MA's), (242, 65754), (257, 65799), (306, 65910), (344, 66027), (348, 66033), (367, 66066), (375, 66075), (389, 66096), (396, 66114), (414, 66153), (417, 66156), (424, 66177),

Gene: Bibwit_44 Start: 38980, Stop: 39714, Start Num: 119

Candidate Starts for Bibwit_44:

(111, 38971), (116, 38977), (Start: 119 @38980 has 55 MA's), (Start: 130 @38998 has 62 MA's), (181, 39085), (191, 39112), (210, 39160), (217, 39178), (236, 39220), (261, 39298), (285, 39340), (298, 39373), (345, 39508), (369, 39547), (419, 39646), (429, 39673), (448, 39706),

Gene: BigChungus_46 Start: 35108, Stop: 34305, Start Num: 125

Candidate Starts for BigChungus_46:

(83, 35168), (Start: 125 @35108 has 93 MA's), (210, 34901), (235, 34847), (238, 34838), (239, 34826), (245, 34799), (252, 34787), (259, 34772), (312, 34661), (317, 34643), (328, 34610), (370, 34508), (371, 34505), (398, 34448), (409, 34427), (439, 34358), (460, 34319), (466, 34310),

Gene: BigHunkinEater_49 Start: 39924, Stop: 40649, Start Num: 122

Candidate Starts for BigHunkinEater_49:

(71, 39813), (Start: 122 @39924 has 19 MA's), (181, 40029), (210, 40089), (217, 40107), (236, 40149), (252, 40206), (262, 40230), (295, 40296), (332, 40395), (345, 40431), (362, 40458), (419, 40569), (432, 40605),

Gene: BillDoor_45 Start: 33112, Stop: 32273, Start Num: 125

Candidate Starts for BillDoor_45:

(Start: 125 @33112 has 93 MA's), (Start: 150 @33052 has 1 MA's), (169, 33016), (176, 33007), (205, 32935), (241, 32827), (259, 32773), (275, 32737), (290, 32707), (307, 32656), (314, 32635), (398, 32431), (409, 32410), (449, 32323),

Gene: BirthdayBoy_89 Start: 59230, Stop: 60081, Start Num: 124

Candidate Starts for BirthdayBoy_89:

(109, 59206), (110, 59209), (116, 59218), (Start: 124 @59230 has 35 MA's), (128, 59239), (137, 59260), (152, 59302), (155, 59308), (177, 59353), (218, 59458), (223, 59467), (234, 59494), (238, 59506), (245, 59545), (314, 59725), (336, 59800), (347, 59830), (374, 59878), (375, 59881), (397, 59935), (419, 59980), (456, 60058),

Gene: Biskit_48 Start: 34069, Stop: 33221, Start Num: 125

Candidate Starts for Biskit_48:

(83, 34129), (Start: 125 @34069 has 93 MA's), (169, 33973), (176, 33964), (210, 33874), (241, 33784), (259, 33733), (264, 33724), (274, 33700), (290, 33667), (299, 33634), (314, 33595), (411, 33367), (413, 33358), (449, 33283), (455, 33274),

Gene: BiteSize_95 Start: 65558, Stop: 66274, Start Num: 127

Candidate Starts for BiteSize_95:

(Start: 127 @65558 has 22 MA's), (242, 65840), (257, 65885), (306, 65996), (344, 66113), (348, 66119), (367, 66152), (375, 66161), (389, 66182), (396, 66200), (414, 66239), (417, 66242), (424, 66263),

Gene: Bizzy_46 Start: 39563, Stop: 40306, Start Num: 119

Candidate Starts for Bizzy_46:

(Start: 119 @39563 has 55 MA's), (Start: 130 @39581 has 62 MA's), (151, 39626), (181, 39671), (210, 39746), (217, 39764), (236, 39806), (285, 39926), (289, 39938), (334, 40058), (345, 40094), (352, 40106), (369, 40133), (390, 40166), (402, 40199), (419, 40232), (429, 40259),

Gene: Blanky_30 Start: 23303, Stop: 24088, Start Num: 130

Candidate Starts for Blanky_30:

(Start: 130 @23303 has 62 MA's), (193, 23444), (196, 23453), (246, 23591), (252, 23609), (257, 23618), (261, 23627), (263, 23633), (296, 23717), (314, 23765), (332, 23822), (333, 23825), (337, 23840), (375, 23900), (390, 23930),

Gene: BlingBling_25 Start: 21152, Stop: 21955, Start Num: 117

Candidate Starts for BlingBling_25:

(Start: 117 @21152 has 33 MA's), (Start: 142 @21200 has 1 MA's), (Start: 150 @21212 has 1 MA's), (160, 21227), (181, 21263), (215, 21356), (236, 21407), (249, 21464), (250, 21467), (257, 21485), (262, 21497), (263, 21500), (264, 21503), (332, 21680), (338, 21701), (341, 21707), (420, 21863), (436, 21899), (452, 21923), (462, 21944),

Gene: Blino_26 Start: 21252, Stop: 22046, Start Num: 115

Candidate Starts for Blino_26:

(18, 20859), (28, 20988), (48, 21099), (59, 21126), (70, 21162), (Start: 115 @21252 has 6 MA's), (Start: 142 @21294 has 1 MA's), (Start: 150 @21306 has 1 MA's), (181, 21357), (215, 21450), (221, 21462), (235, 21498), (236, 21501), (246, 21549), (249, 21558), (250, 21561), (257, 21579), (262,

21591), (263, 21594), (264, 21597), (332, 21774), (338, 21795), (341, 21801), (362, 21837), (436, 21993), (452, 22017), (462, 22035),

Gene: Blondies_49 Start: 34386, Stop: 33538, Start Num: 125

Candidate Starts for Blondies_49:

(83, 34446), (Start: 125 @34386 has 93 MA's), (169, 34290), (176, 34281), (210, 34191), (241, 34101), (242, 34098), (259, 34050), (264, 34041), (274, 34017), (290, 33984), (299, 33951), (314, 33912), (411, 33684), (413, 33675), (449, 33600), (455, 33591),

Gene: BlueNGold_178 Start: 105490, Stop: 104774, Start Num: 125

Candidate Starts for BlueNGold_178:

(Start: 125 @105490 has 93 MA's), (151, 105433), (234, 105250), (248, 105190), (280, 105121), (287, 105103), (314, 105028), (318, 105016), (321, 105001), (322, 104998), (330, 104977), (331, 104971), (335, 104956), (389, 104869), (396, 104851), (405, 104833), (414, 104809), (424, 104785),

Gene: Blueberry_27 Start: 21464, Stop: 22264, Start Num: 117

Candidate Starts for Blueberry_27:

(53, 21314), (Start: 117 @21464 has 33 MA's), (Start: 142 @21512 has 1 MA's), (Start: 150 @21524 has 1 MA's), (181, 21575), (215, 21668), (236, 21719), (249, 21776), (250, 21779), (257, 21797), (262, 21809), (263, 21812), (264, 21815), (332, 21992), (338, 22013), (341, 22019), (362, 22055), (416, 22160), (420, 22175), (421, 22178), (436, 22211), (452, 22235),

Gene: BluerMoon_30 Start: 22314, Stop: 23105, Start Num: 130

Candidate Starts for BluerMoon_30:

(Start: 130 @22314 has 62 MA's), (148, 22359), (163, 22389), (168, 22401), (193, 22455), (263, 22644), (332, 22833), (333, 22836), (375, 22911),

Gene: BobBob_43 Start: 39142, Stop: 39876, Start Num: 119

Candidate Starts for BobBob_43:

(58, 38995), (84, 39085), (Start: 119 @39142 has 55 MA's), (Start: 130 @39160 has 62 MA's), (181, 39247), (191, 39274), (210, 39322), (217, 39340), (236, 39382), (261, 39460), (285, 39502), (298, 39535), (345, 39670), (369, 39709), (419, 39808), (429, 39835), (448, 39868),

Gene: Boopy_181 Start: 105501, Stop: 104785, Start Num: 125

Candidate Starts for Boopy_181:

(Start: 125 @105501 has 93 MA's), (151, 105444), (234, 105261), (248, 105201), (280, 105132), (287, 105114), (314, 105039), (318, 105027), (321, 105012), (322, 105009), (330, 104988), (331, 104982), (335, 104967), (389, 104880), (396, 104862), (405, 104844), (414, 104820), (424, 104796),

Gene: Brandonk123_47 Start: 40277, Stop: 41011, Start Num: 119

Candidate Starts for Brandonk123_47:

(58, 40130), (84, 40220), (Start: 119 @40277 has 55 MA's), (Start: 130 @40295 has 62 MA's), (181, 40382), (191, 40409), (210, 40457), (217, 40475), (236, 40517), (261, 40595), (285, 40637), (345, 40805), (369, 40844), (419, 40943), (429, 40970), (448, 41003),

Gene: Brawn1_42 Start: 39350, Stop: 40084, Start Num: 119

Candidate Starts for Brawn1_42:

(84, 39293), (Start: 119 @39350 has 55 MA's), (Start: 130 @39368 has 62 MA's), (181, 39455), (191, 39482), (210, 39530), (217, 39548), (236, 39590), (261, 39668), (285, 39710), (298, 39743), (345, 39878), (369, 39917), (419, 40016), (429, 40043), (448, 40076),

Gene: Bubble_43 Start: 33494, Stop: 32655, Start Num: 125

Candidate Starts for Bubble_43:

(22, 33815), (25, 33791), (27, 33788), (34, 33743), (43, 33701), (52, 33656), (83, 33554), (Start: 125 @33494 has 93 MA's), (Start: 150 @33434 has 1 MA's), (165, 33404), (169, 33398), (205, 33317), (241, 33209), (251, 33176), (263, 33149), (364, 32885), (446, 32714), (449, 32705),

Gene: Bugg_28 Start: 19361, Stop: 20146, Start Num: 130

Candidate Starts for Bugg_28:

(Start: 130 @19361 has 62 MA's), (148, 19406), (193, 19502), (194, 19508), (245, 19646), (258, 19679), (263, 19691), (332, 19880), (333, 19883), (375, 19958), (444, 20105),

Gene: Bunnybear_24 Start: 22229, Stop: 23020, Start Num: 117

Candidate Starts for Bunnybear_24:

(Start: 117 @22229 has 33 MA's), (Start: 142 @22277 has 1 MA's), (Start: 150 @22289 has 1 MA's), (181, 22340), (215, 22433), (236, 22484), (245, 22529), (246, 22532), (250, 22544), (264, 22580), (332, 22757), (338, 22778), (362, 22820), (436, 22976),

Gene: Burley_30 Start: 22058, Stop: 22846, Start Num: 130

Candidate Starts for Burley_30:

(Start: 130 @22058 has 62 MA's), (148, 22103), (163, 22133), (168, 22145), (193, 22199), (213, 22250), (246, 22346), (252, 22364), (258, 22376), (261, 22382), (263, 22388), (332, 22577), (333, 22580), (375, 22655), (444, 22802),

Gene: Burnsey_45 Start: 33898, Stop: 33059, Start Num: 125

Candidate Starts for Burnsey_45:

(22, 34219), (25, 34195), (27, 34192), (34, 34147), (43, 34105), (52, 34060), (83, 33958), (Start: 125 @33898 has 93 MA's), (Start: 150 @33838 has 1 MA's), (165, 33808), (169, 33802), (205, 33721), (241, 33613), (251, 33580), (263, 33553), (364, 33289), (446, 33118), (449, 33109),

Gene: Button_48 Start: 34069, Stop: 33221, Start Num: 89

Candidate Starts for Button_48:

(84, 34084), (Start: 89 @34069 has 9 MA's), (99, 34054), (136, 34000), (139, 33994), (146, 33979), (169, 33934), (176, 33925), (181, 33919), (190, 33892), (224, 33805), (231, 33793), (232, 33790), (238, 33766), (248, 33718), (256, 33697), (274, 33655), (280, 33643), (290, 33625), (305, 33586), (337, 33484), (366, 33430), (371, 33418), (435, 33280),

Gene: Buttrmlkdreams_48 Start: 34516, Stop: 33668, Start Num: 125

Candidate Starts for Buttrmlkdreams_48:

(83, 34576), (Start: 125 @34516 has 93 MA's), (169, 34420), (176, 34411), (210, 34321), (241, 34231), (242, 34228), (259, 34180), (264, 34171), (274, 34147), (290, 34114), (299, 34081), (314, 34042), (411, 33814), (413, 33805), (449, 33730), (455, 33721),

Gene: CWormy_30 Start: 21758, Stop: 22546, Start Num: 130

Candidate Starts for CWormy_30:

(Start: 130 @21758 has 62 MA's), (148, 21803), (163, 21833), (168, 21845), (193, 21899), (194, 21905), (213, 21950), (246, 22046), (252, 22064), (257, 22073), (263, 22088), (332, 22277), (333, 22280), (375, 22355), (444, 22502),

Gene: Cafasso_33 Start: 27845, Stop: 28597, Start Num: 127

Candidate Starts for Cafasso_33:

(Start: 127 @27845 has 22 MA's), (Start: 150 @27896 has 1 MA's), (236, 28073), (271, 28172), (308, 28232), (332, 28310), (362, 28373), (395, 28436), (403, 28463), (452, 28565),

Gene: Camerico_44 Start: 44895, Stop: 45653, Start Num: 132

Candidate Starts for Camerico_44:

(Start: 130 @44889 has 62 MA's), (Start: 132 @44895 has 4 MA's), (157, 44952), (217, 45090), (229, 45111), (234, 45126), (236, 45132), (238, 45138), (267, 45228), (329, 45387), (353, 45450), (356, 45456), (395, 45513), (412, 45555), (431, 45603),

Gene: CanesSauce_44 Start: 33613, Stop: 32774, Start Num: 125

Candidate Starts for CanesSauce_44:

(Start: 125 @33613 has 93 MA's), (Start: 150 @33553 has 1 MA's), (169, 33517), (176, 33508), (205, 33436), (241, 33328), (259, 33274), (275, 33238), (290, 33208), (307, 33157), (314, 33136), (398, 32932), (409, 32911), (449, 32824), (459, 32806),

Gene: CaptainKirk2_25 Start: 21173, Stop: 21976, Start Num: 117

Candidate Starts for CaptainKirk2_25:

(Start: 117 @21173 has 33 MA's), (Start: 142 @21221 has 1 MA's), (Start: 150 @21233 has 1 MA's), (160, 21248), (181, 21284), (215, 21377), (236, 21428), (249, 21485), (250, 21488), (257, 21506), (262, 21518), (263, 21521), (264, 21524), (332, 21701), (338, 21722), (341, 21728), (420, 21884), (436, 21920), (452, 21944), (462, 21965),

Gene: Captrips_27 Start: 19354, Stop: 20139, Start Num: 130

Candidate Starts for Captrips_27:

(Start: 130 @19354 has 62 MA's), (148, 19399), (193, 19495), (194, 19501), (245, 19639), (258, 19672), (263, 19684), (332, 19873), (333, 19876), (375, 19951), (444, 20098),

Gene: Capybara_27 Start: 19428, Stop: 20213, Start Num: 130

Candidate Starts for Capybara_27:

(Start: 130 @19428 has 62 MA's), (Start: 138 @19443 has 1 MA's), (157, 19491), (173, 19524), (193, 19569), (194, 19575), (245, 19713), (258, 19746), (263, 19758), (332, 19947), (333, 19950), (375, 20025), (389, 20052), (444, 20172),

Gene: CaramellLatte_44 Start: 33613, Stop: 32774, Start Num: 125

Candidate Starts for CaramellLatte_44:

(Start: 125 @33613 has 93 MA's), (Start: 150 @33553 has 1 MA's), (169, 33517), (176, 33508), (205, 33436), (241, 33328), (259, 33274), (275, 33238), (290, 33208), (307, 33157), (314, 33136), (398, 32932), (409, 32911), (449, 32824), (459, 32806),

Gene: CarolAnn_26 Start: 21251, Stop: 22045, Start Num: 115

Candidate Starts for CarolAnn_26:

(18, 20858), (28, 20987), (48, 21098), (59, 21125), (70, 21161), (Start: 115 @21251 has 6 MA's), (Start: 142 @21293 has 1 MA's), (Start: 150 @21305 has 1 MA's), (181, 21356), (215, 21449), (221, 21461), (235, 21497), (236, 21500), (246, 21548), (249, 21557), (250, 21560), (257, 21578), (262, 21590), (263, 21593), (264, 21596), (332, 21773), (338, 21794), (341, 21800), (362, 21836), (436, 21992), (452, 22016), (462, 22034),

Gene: Carsonalex_48 Start: 33866, Stop: 33027, Start Num: 125

Candidate Starts for Carsonalex_48:

(22, 34187), (25, 34163), (27, 34160), (43, 34073), (52, 34028), (83, 33926), (Start: 125 @33866 has 93 MA's), (Start: 150 @33806 has 1 MA's), (169, 33770), (205, 33689), (241, 33581), (251, 33548), (364, 33257), (446, 33086), (449, 33077),

Gene: ChadMasterC_46 Start: 41422, Stop: 42156, Start Num: 119

Candidate Starts for ChadMasterC_46:

(58, 41275), (84, 41365), (Start: 119 @41422 has 55 MA's), (Start: 130 @41440 has 62 MA's), (181, 41527), (191, 41554), (210, 41602), (217, 41620), (236, 41662), (261, 41740), (285, 41782), (298, 41815), (345, 41950), (369, 41989), (419, 42088), (429, 42115), (448, 42148),

Gene: Charminar_83 Start: 56436, Stop: 57287, Start Num: 124

Candidate Starts for Charminar_83:

(51, 56259), (61, 56286), (63, 56295), (67, 56310), (Start: 72 @56319 has 1 MA's), (109, 56412), (110, 56415), (116, 56424), (Start: 124 @56436 has 35 MA's), (128, 56445), (Start: 132 @56457 has 4 MA's), (137, 56466), (152, 56508), (155, 56514), (177, 56559), (216, 56661), (218, 56664), (234, 56700), (238, 56712), (245, 56751), (256, 56781), (257, 56784), (262, 56796), (263, 56799), (314, 56931), (334, 56997), (336, 57006), (347, 57036), (363, 57063), (374, 57084), (397, 57141), (419, 57186), (456, 57264),

Gene: Charming_46 Start: 39778, Stop: 40512, Start Num: 119

Candidate Starts for Charming_46:

(58, 39631), (84, 39721), (Start: 119 @39778 has 55 MA's), (Start: 130 @39796 has 62 MA's), (181, 39883), (191, 39910), (210, 39958), (217, 39976), (236, 40018), (261, 40096), (285, 40138), (298, 40171), (345, 40306), (369, 40345), (419, 40444), (429, 40471), (448, 40504),

Gene: CheeseSpider_29 Start: 21718, Stop: 22512, Start Num: 117

Candidate Starts for CheeseSpider_29:

(Start: 117 @21718 has 33 MA's), (Start: 142 @21766 has 1 MA's), (Start: 150 @21778 has 1 MA's), (181, 21829), (215, 21922), (236, 21973), (249, 22030), (250, 22033), (257, 22051), (262, 22063), (263, 22066), (264, 22069), (332, 22246), (338, 22267), (436, 22465), (452, 22489),

Gene: CherryCola_46 Start: 37125, Stop: 37880, Start Num: 120

Candidate Starts for CherryCola_46:

(81, 37047), (Start: 120 @37125 has 37 MA's), (151, 37197), (207, 37305), (233, 37350), (301, 37500), (304, 37506), (314, 37533), (329, 37581), (378, 37683), (414, 37767), (451, 37839),

Gene: CherryTomatoes_180 Start: 130016, Stop: 130726, Start Num: 127

Candidate Starts for CherryTomatoes_180:

(Start: 127 @130016 has 22 MA's), (131, 130028), (149, 130067), (176, 130118), (209, 130202), (226, 130235), (234, 130253), (268, 130358), (270, 130361), (306, 130451), (314, 130475), (331, 130532), (355, 130580), (379, 130619), (414, 130691),

Gene: CherryonLim_48 Start: 36692, Stop: 35889, Start Num: 125

Candidate Starts for CherryonLim_48:

(83, 36752), (Start: 125 @36692 has 93 MA's), (161, 36614), (210, 36485), (235, 36431), (243, 36392), (252, 36371), (317, 36227), (328, 36194), (371, 36089), (409, 36011), (439, 35942), (446, 35933), (460, 35903), (466, 35894),

Gene: Chickadee_57 Start: 43696, Stop: 44475, Start Num: 125

Candidate Starts for Chickadee_57:

(55, 43534), (77, 43600), (82, 43615), (Start: 125 @43696 has 93 MA's), (134, 43717), (170, 43795), (181, 43810), (195, 43855), (236, 43945), (242, 43978), (307, 44110), (317, 44137), (337, 44206), (364, 44260), (395, 44308), (449, 44431), (464, 44461),

Gene: ChickenTender_47 Start: 33458, Stop: 32601, Start Num: 125

Candidate Starts for ChickenTender_47:

(83, 33518), (Start: 125 @33458 has 93 MA's), (Start: 150 @33398 has 1 MA's), (165, 33368), (169, 33362), (210, 33263), (241, 33173), (243, 33167), (251, 33140), (263, 33113), (349, 32852), (436, 32672), (446, 32660), (449, 32651),

Gene: ChickyNuggy_28 Start: 19066, Stop: 19851, Start Num: 130

Candidate Starts for ChickyNuggy_28:

(Start: 130 @19066 has 62 MA's), (148, 19111), (193, 19207), (194, 19213), (245, 19351), (258, 19384), (263, 19396), (332, 19585), (333, 19588), (375, 19663), (444, 19810),

Gene: Chikenjars_30 Start: 22310, Stop: 23098, Start Num: 130

Candidate Starts for Chikenjars_30:

(Start: 130 @22310 has 62 MA's), (148, 22355), (163, 22385), (168, 22397), (193, 22451), (246, 22598), (261, 22634), (263, 22640), (332, 22829), (333, 22832), (358, 22889), (375, 22907), (389, 22934), (444, 23054),

Gene: ChocoMunchkin_44 Start: 33613, Stop: 32774, Start Num: 125

Candidate Starts for ChocoMunchkin_44:

(Start: 125 @33613 has 93 MA's), (Start: 150 @33553 has 1 MA's), (169, 33517), (176, 33508), (205, 33436), (241, 33328), (259, 33274), (275, 33238), (290, 33208), (307, 33157), (314, 33136), (398, 32932), (409, 32911), (449, 32824), (459, 32806),

Gene: Citrus_29 Start: 22314, Stop: 23102, Start Num: 130

Candidate Starts for Citrus_29:

(Start: 130 @22314 has 62 MA's), (148, 22359), (163, 22389), (193, 22455), (246, 22602), (261, 22638), (263, 22644), (332, 22833), (333, 22836), (358, 22893), (375, 22911), (389, 22938), (444, 23058),

Gene: ClamChowder_46 Start: 36471, Stop: 37226, Start Num: 120

Candidate Starts for ClamChowder_46:

(110, 36456), (Start: 120 @36471 has 37 MA's), (151, 36543), (181, 36579), (207, 36651), (301, 36846), (304, 36852), (314, 36879), (329, 36927), (378, 37029), (414, 37113), (451, 37185),

Gene: Clark_25 Start: 21234, Stop: 22034, Start Num: 117

Candidate Starts for Clark_25:

(Start: 117 @21234 has 33 MA's), (Start: 125 @21246 has 93 MA's), (Start: 130 @21258 has 62 MA's), (131, 21261), (Start: 142 @21288 has 1 MA's), (Start: 150 @21300 has 1 MA's), (181, 21351), (215, 21444), (234, 21489), (235, 21492), (236, 21495), (250, 21555), (257, 21573), (262, 21585), (263, 21588), (264, 21591), (304, 21681), (332, 21768), (436, 21990), (452, 22014),

Gene: Cleo_40 Start: 32906, Stop: 32142, Start Num: 125

Candidate Starts for Cleo_40:

(110, 32921), (Start: 125 @32906 has 93 MA's), (Start: 142 @32867 has 1 MA's), (169, 32813), (181, 32795), (189, 32771), (234, 32657), (245, 32606), (271, 32552), (285, 32531), (338, 32390), (357, 32354), (371, 32333), (409, 32261), (413, 32249), (446, 32186), (454, 32171), (455, 32168), (459, 32159), (460, 32156),

Gene: Clown_50 Start: 38569, Stop: 39336, Start Num: 122

Candidate Starts for Clown_50:

(Start: 122 @38569 has 19 MA's), (Start: 130 @38584 has 62 MA's), (134, 38593), (145, 38626), (151, 38638), (156, 38647), (176, 38668), (190, 38701), (203, 38737), (207, 38746), (214, 38767), (236, 38800), (263, 38881), (264, 38884), (293, 38932), (301, 38941), (314, 38974), (322, 39004), (329, 39022), (338, 39055), (347, 39073), (351, 39082), (385, 39139), (404, 39187), (407, 39193), (448, 39289),

Gene: CocoaPuff_47 Start: 35113, Stop: 34310, Start Num: 125

Candidate Starts for CocoaPuff_47:

(83, 35173), (Start: 125 @35113 has 93 MA's), (Start: 150 @35053 has 1 MA's), (210, 34906), (235, 34852), (239, 34831), (243, 34813), (245, 34804), (252, 34792), (259, 34777), (312, 34666), (317, 34648), (328, 34615), (370, 34513), (398, 34453), (409, 34432), (439, 34363), (460, 34324), (466,

34315),

Gene: Colossa_101 Start: 54396, Stop: 55136, Start Num: 122

Candidate Starts for Colossa_101:

(94, 54351), (Start: 122 @54396 has 19 MA's), (145, 54453), (Start: 150 @54465 has 1 MA's), (155, 54474), (157, 54477), (181, 54501), (190, 54528), (213, 54582), (237, 54618), (262, 54693), (280, 54735), (288, 54744), (304, 54774), (309, 54786), (410, 55020), (426, 55050),

Gene: Conley_28 Start: 20413, Stop: 21198, Start Num: 130

Candidate Starts for Conley_28:

(Start: 130 @20413 has 62 MA's), (168, 20500), (173, 20509), (186, 20536), (193, 20554), (194, 20560), (196, 20563), (245, 20698), (258, 20731), (263, 20743), (332, 20932), (333, 20935), (375, 21010), (384, 21028), (444, 21157),

Gene: CoveyB_47 Start: 36170, Stop: 36925, Start Num: 120

Candidate Starts for CoveyB_47:

(81, 36092), (Start: 120 @36170 has 37 MA's), (151, 36242), (207, 36350), (233, 36395), (301, 36545), (304, 36551), (314, 36578), (329, 36626), (378, 36728), (414, 36812), (451, 36884),

Gene: Cozz_43 Start: 33495, Stop: 32656, Start Num: 125

Candidate Starts for Cozz_43:

(22, 33816), (25, 33792), (27, 33789), (43, 33702), (52, 33657), (68, 33606), (83, 33555), (Start: 125 @33495 has 93 MA's), (Start: 150 @33435 has 1 MA's), (165, 33405), (169, 33399), (205, 33318), (241, 33210), (364, 32886), (446, 32715), (449, 32706),

Gene: Crocheter_30 Start: 22450, Stop: 23238, Start Num: 130

Candidate Starts for Crocheter_30:

(Start: 130 @22450 has 62 MA's), (148, 22495), (163, 22525), (168, 22537), (193, 22591), (194, 22597), (213, 22642), (246, 22738), (252, 22756), (257, 22765), (263, 22780), (332, 22969), (333, 22972), (337, 22987), (375, 23047), (389, 23074), (444, 23194),

Gene: Dancer_27 Start: 19054, Stop: 19839, Start Num: 130

Candidate Starts for Dancer_27:

(Start: 130 @19054 has 62 MA's), (148, 19099), (193, 19195), (194, 19201), (245, 19339), (258, 19372), (263, 19384), (332, 19573), (333, 19576), (375, 19651), (444, 19798),

Gene: Danyall_46 Start: 36172, Stop: 36927, Start Num: 120

Candidate Starts for Danyall_46:

(74, 36076), (Start: 120 @36172 has 37 MA's), (151, 36244), (181, 36280), (207, 36352), (212, 36367), (301, 36547), (304, 36553), (314, 36580), (378, 36730), (414, 36814), (451, 36886),

Gene: Daredevil_123 Start: 74384, Stop: 75109, Start Num: 120

Candidate Starts for Daredevil_123:

(Start: 120 @74384 has 37 MA's), (244, 74663), (269, 74720), (334, 74885), (360, 74936), (367, 74948), (390, 74984), (422, 75047),

Gene: DatBoi_128 Start: 77112, Stop: 77834, Start Num: 125

Candidate Starts for DatBoi_128:

(56, 76950), (62, 76968), (73, 77007), (88, 77061), (Start: 125 @77112 has 93 MA's), (147, 77169), (195, 77268), (236, 77346),

Gene: DaviePasture_87 Start: 58761, Stop: 59612, Start Num: 124

Candidate Starts for DaviePasture_87:

(109, 58737), (110, 58740), (Start: 124 @58761 has 35 MA's), (128, 58770), (137, 58791), (152, 58833), (155, 58839), (218, 58989), (223, 58998), (234, 59025), (238, 59037), (245, 59076), (314, 59256), (334, 59322), (336, 59331), (347, 59361), (363, 59388), (375, 59412), (397, 59466), (419, 59511), (423, 59523), (456, 59589),

Gene: DearBasketball_53 Start: 33868, Stop: 34722, Start Num: 122

Candidate Starts for DearBasketball_53:

(Start: 122 @33868 has 19 MA's), (195, 34051), (266, 34249), (282, 34282), (308, 34375), (332, 34453), (382, 34564), (387, 34567), (390, 34573), (401, 34609), (414, 34636), (450, 34711),

Gene: Delian_25 Start: 21173, Stop: 21976, Start Num: 117

Candidate Starts for Delian_25:

(Start: 117 @21173 has 33 MA's), (Start: 142 @21221 has 1 MA's), (Start: 150 @21233 has 1 MA's), (160, 21248), (181, 21284), (215, 21377), (236, 21428), (249, 21485), (250, 21488), (257, 21506), (262, 21518), (263, 21521), (264, 21524), (332, 21701), (338, 21722), (341, 21728), (420, 21884), (436, 21920), (452, 21944), (462, 21965),

Gene: Delrey21_46 Start: 41437, Stop: 42174, Start Num: 112

Candidate Starts for Delrey21_46:

(10, 40798), (14, 40969), (16, 41011), (26, 41152), (108, 41428), (Start: 112 @41437 has 6 MA's), (116, 41443), (Start: 122 @41452 has 19 MA's), (165, 41536), (181, 41557), (185, 41566), (207, 41605), (210, 41617), (217, 41635), (236, 41677), (259, 41749), (262, 41755), (320, 41881), (332, 41920), (338, 41941), (345, 41956), (362, 41983), (432, 42130),

Gene: Demure_29 Start: 21413, Stop: 22201, Start Num: 130

Candidate Starts for Demure_29:

(Start: 130 @21413 has 62 MA's), (163, 21488), (168, 21500), (193, 21554), (194, 21560), (213, 21605), (246, 21701), (252, 21719), (257, 21728), (261, 21737), (263, 21743), (332, 21932), (333, 21935), (337, 21950), (389, 22037), (444, 22157),

Gene: Derg_41 Start: 39155, Stop: 39898, Start Num: 119

Candidate Starts for Derg_41:

(Start: 119 @39155 has 55 MA's), (Start: 130 @39173 has 62 MA's), (151, 39218), (181, 39263), (210, 39338), (217, 39356), (236, 39398), (285, 39518), (289, 39530), (334, 39650), (345, 39686), (352, 39698), (369, 39725), (390, 39758), (402, 39791), (419, 39824), (429, 39851),

Gene: Dxdert_58 Start: 44000, Stop: 44779, Start Num: 125

Candidate Starts for Dxdert_58:

(55, 43838), (77, 43904), (82, 43919), (Start: 125 @44000 has 93 MA's), (134, 44021), (170, 44099), (181, 44114), (195, 44159), (236, 44249), (242, 44282), (286, 44375), (317, 44441), (337, 44510), (364, 44564), (395, 44612), (464, 44765),

Gene: Dialga_31 Start: 22472, Stop: 23260, Start Num: 130

Candidate Starts for Dialga_31:

(Start: 130 @22472 has 62 MA's), (148, 22517), (163, 22547), (168, 22559), (193, 22613), (194, 22619), (213, 22664), (246, 22760), (252, 22778), (257, 22787), (263, 22802), (332, 22991), (333, 22994), (337, 23009), (375, 23069), (389, 23096), (444, 23216),

Gene: DinoNuggs_51 Start: 33537, Stop: 34391, Start Num: 122

Candidate Starts for DinoNuggs_51:

(Start: 122 @33537 has 19 MA's), (195, 33720), (266, 33918), (282, 33951), (308, 34044), (332, 34122), (382, 34233), (387, 34236), (390, 34242), (401, 34278), (414, 34305), (450, 34380),

Gene: Djokovic_95 Start: 65471, Stop: 66187, Start Num: 127

Candidate Starts for Djokovic_95:

(Start: 127 @65471 has 22 MA's), (242, 65753), (257, 65798), (306, 65909), (344, 66026), (348, 66032), (367, 66065), (375, 66074), (389, 66095), (396, 66113), (414, 66152), (417, 66155), (424, 66176),

Gene: DobbysSock_24 Start: 20720, Stop: 21508, Start Num: 125

Candidate Starts for DobbysSock_24:

(Start: 117 @20708 has 33 MA's), (Start: 125 @20720 has 93 MA's), (Start: 130 @20732 has 62 MA's), (131, 20735), (Start: 142 @20762 has 1 MA's), (Start: 150 @20774 has 1 MA's), (181, 20825), (215, 20918), (234, 20963), (235, 20966), (236, 20969), (250, 21029), (257, 21047), (262, 21059), (263, 21062), (264, 21065), (304, 21155), (332, 21242), (416, 21410), (421, 21428), (436, 21464), (452, 21488),

Gene: DoctorFroggo_46 Start: 41437, Stop: 42174, Start Num: 112

Candidate Starts for DoctorFroggo_46:

(10, 40798), (14, 40969), (16, 41011), (26, 41152), (108, 41428), (Start: 112 @41437 has 6 MA's), (116, 41443), (Start: 122 @41452 has 19 MA's), (165, 41536), (181, 41557), (185, 41566), (207, 41605), (210, 41617), (217, 41635), (236, 41677), (259, 41749), (262, 41755), (320, 41881), (332, 41920), (338, 41941), (345, 41956), (362, 41983), (432, 42130),

Gene: Dolores_25 Start: 21222, Stop: 22010, Start Num: 125

Candidate Starts for Dolores_25:

(Start: 117 @21210 has 33 MA's), (Start: 125 @21222 has 93 MA's), (Start: 130 @21234 has 62 MA's), (131, 21237), (Start: 142 @21264 has 1 MA's), (Start: 150 @21276 has 1 MA's), (181, 21327), (215, 21420), (234, 21465), (235, 21468), (236, 21471), (250, 21531), (257, 21549), (262, 21561), (263, 21564), (264, 21567), (304, 21657), (332, 21744), (436, 21966), (452, 21990),

Gene: DonkeyMan_50 Start: 33281, Stop: 34132, Start Num: 122

Candidate Starts for DonkeyMan_50:

(96, 33245), (100, 33251), (Start: 122 @33281 has 19 MA's), (195, 33464), (266, 33662), (282, 33695), (301, 33770), (308, 33785), (332, 33863), (382, 33974), (387, 33977), (390, 33983), (401, 34019), (414, 34046), (450, 34121),

Gene: DoobyDoo_86 Start: 57557, Stop: 58408, Start Num: 124

Candidate Starts for DoobyDoo_86:

(51, 57380), (61, 57407), (63, 57416), (67, 57431), (Start: 72 @57440 has 1 MA's), (109, 57533), (110, 57536), (Start: 124 @57557 has 35 MA's), (128, 57566), (137, 57587), (152, 57629), (155, 57635), (177, 57680), (218, 57785), (223, 57794), (234, 57821), (238, 57833), (245, 57872), (314, 58052), (334, 58118), (336, 58127), (347, 58157), (363, 58184), (375, 58208), (397, 58262), (419, 58307), (423, 58319), (456, 58385),

Gene: Dorito_24 Start: 20676, Stop: 21473, Start Num: 117

Candidate Starts for Dorito_24:

(56, 20526), (Start: 117 @20676 has 33 MA's), (Start: 123 @20685 has 6 MA's), (Start: 130 @20697 has 62 MA's), (131, 20700), (Start: 142 @20727 has 1 MA's), (Start: 150 @20739 has 1 MA's), (181, 20790), (215, 20883), (234, 20928), (235, 20931), (236, 20934), (237, 20937), (250, 20994), (257, 21012), (263, 21027), (264, 21030), (299, 21108), (304, 21120), (314, 21147), (332, 21207), (345, 21243), (416, 21375), (421, 21393), (436, 21429), (458, 21465),

Gene: Dre3_41 Start: 32649, Stop: 31885, Start Num: 125

Candidate Starts for Dre3_41:

(110, 32664), (Start: 125 @32649 has 93 MA's), (Start: 142 @32610 has 1 MA's), (169, 32556), (181, 32538), (189, 32514), (205, 32472), (234, 32400), (245, 32349), (271, 32295), (285, 32274), (317, 32211), (338, 32133), (357, 32097), (371, 32076), (409, 32004), (413, 31992), (446, 31929), (454, 31914), (455, 31911), (459, 31902), (460, 31899),

Gene: Duffington_30 Start: 22295, Stop: 23083, Start Num: 130

Candidate Starts for Duffington_30:

(Start: 130 @22295 has 62 MA's), (148, 22340), (163, 22370), (168, 22382), (193, 22436), (246, 22583), (257, 22610), (263, 22625), (296, 22709), (332, 22814), (333, 22817), (375, 22892), (444, 23039),

Gene: DumpTruck_89 Start: 58754, Stop: 59617, Start Num: 112

Candidate Starts for DumpTruck_89:

(Start: 105 @58742 has 1 MA's), (Start: 112 @58754 has 6 MA's), (126, 58772), (Start: 132 @58784 has 4 MA's), (137, 58793), (152, 58835), (200, 58943), (234, 59024), (238, 59036), (269, 59141), (279, 59162), (281, 59168), (283, 59171), (314, 59255), (351, 59369), (363, 59387), (374, 59408), (406, 59483), (430, 59540),

Gene: DumpsterDude_29 Start: 25886, Stop: 26689, Start Num: 112

Candidate Starts for DumpsterDude_29:

(Start: 112 @25886 has 6 MA's), (Start: 130 @25907 has 62 MA's), (Start: 142 @25937 has 1 MA's), (Start: 150 @25949 has 1 MA's), (160, 25964), (181, 26000), (215, 26093), (236, 26144), (246, 26192), (250, 26204), (257, 26222), (262, 26234), (263, 26237), (264, 26240), (280, 26273), (332, 26417), (338, 26438), (361, 26477), (416, 26585), (436, 26636), (452, 26660),

Gene: EMoore_42 Start: 39517, Stop: 40245, Start Num: 118

Candidate Starts for EMoore_42:

(114, 39511), (Start: 118 @39517 has 2 MA's), (Start: 150 @39574 has 1 MA's), (172, 39613), (181, 39625), (210, 39685), (261, 39820), (262, 39823), (300, 39898), (308, 39913), (332, 39991), (352, 40039), (369, 40066), (400, 40129), (434, 40204), (443, 40219),

Gene: Easley_25 Start: 21244, Stop: 22020, Start Num: 130

Candidate Starts for Easley_25:

(Start: 117 @21220 has 33 MA's), (Start: 125 @21232 has 93 MA's), (Start: 130 @21244 has 62 MA's), (131, 21247), (Start: 142 @21274 has 1 MA's), (Start: 150 @21286 has 1 MA's), (181, 21337), (215, 21430), (234, 21475), (235, 21478), (236, 21481), (250, 21541), (257, 21559), (262, 21571), (263, 21574), (264, 21577), (304, 21667), (332, 21754), (436, 21976), (452, 22000),

Gene: Eddiemania_31 Start: 22956, Stop: 23744, Start Num: 130

Candidate Starts for Eddiemania_31:

(Start: 130 @22956 has 62 MA's), (148, 23001), (163, 23031), (168, 23043), (193, 23097), (213, 23148), (246, 23244), (263, 23286), (332, 23475), (333, 23478), (375, 23553), (444, 23700),

Gene: Egi03_44 Start: 35952, Stop: 36707, Start Num: 120

Candidate Starts for Egi03_44:

(110, 35937), (Start: 120 @35952 has 37 MA's), (151, 36024), (181, 36060), (207, 36132), (301, 36327), (304, 36333), (314, 36360), (329, 36408), (378, 36510), (414, 36594), (451, 36666),

Gene: ElJefes_48 Start: 35628, Stop: 34825, Start Num: 125

Candidate Starts for ElJefes_48:

(83, 35688), (Start: 125 @35628 has 93 MA's), (161, 35550), (190, 35478), (210, 35421), (235, 35367), (243, 35328), (252, 35307), (317, 35163), (328, 35130), (371, 35025), (409, 34947), (439, 34878), (446, 34869), (460, 34839), (466, 34830),

Gene: Elinal_50 Start: 35490, Stop: 34687, Start Num: 125

Candidate Starts for Elinal_50:

(83, 35550), (Start: 125 @35490 has 93 MA's), (210, 35283), (235, 35229), (239, 35208), (243, 35190), (245, 35181), (259, 35154), (312, 35043), (317, 35025), (328, 34992), (370, 34890), (371, 34887), (409, 34809), (411, 34806), (439, 34740), (460, 34701), (466, 34692),

Gene: Elliott_45 Start: 33793, Stop: 32954, Start Num: 125

Candidate Starts for Elliott_45:

(22, 34114), (25, 34090), (27, 34087), (43, 34000), (52, 33955), (83, 33853), (Start: 125 @33793 has 93 MA's), (Start: 150 @33733 has 1 MA's), (165, 33703), (169, 33697), (205, 33616), (241, 33508), (251, 33475), (263, 33448), (364, 33184), (446, 33013), (449, 33004),

Gene: Emalyn_44 Start: 32901, Stop: 32062, Start Num: 125

Candidate Starts for Emalyn_44:

(83, 32976), (Start: 125 @32901 has 93 MA's), (Start: 150 @32841 has 1 MA's), (169, 32805), (190, 32763), (205, 32724), (210, 32706), (222, 32682), (290, 32496), (314, 32424), (449, 32112),

Gene: EndAve_30 Start: 22310, Stop: 23098, Start Num: 130

Candidate Starts for EndAve_30:

(Start: 130 @22310 has 62 MA's), (148, 22355), (163, 22385), (168, 22397), (193, 22451), (246, 22598), (261, 22634), (263, 22640), (332, 22829), (333, 22832), (358, 22889), (375, 22907), (389, 22934), (444, 23054),

Gene: Erutan_86 Start: 58695, Stop: 59546, Start Num: 124

Candidate Starts for Erutan_86:

(109, 58671), (110, 58674), (Start: 124 @58695 has 35 MA's), (128, 58704), (137, 58725), (152, 58767), (155, 58773), (177, 58818), (218, 58923), (234, 58959), (238, 58971), (245, 59010), (314, 59190), (334, 59256), (336, 59265), (347, 59295), (374, 59343), (375, 59346), (397, 59400), (419, 59445), (423, 59457), (456, 59523),

Gene: Evamon_43 Start: 36191, Stop: 36946, Start Num: 120

Candidate Starts for Evamon_43:

(74, 36095), (Start: 120 @36191 has 37 MA's), (151, 36263), (181, 36299), (207, 36371), (212, 36386), (301, 36566), (304, 36572), (314, 36599), (329, 36647), (378, 36749), (414, 36833), (451, 36905),

Gene: Fazel_28 Start: 21344, Stop: 22132, Start Num: 130

Candidate Starts for Fazel_28:

(Start: 130 @21344 has 62 MA's), (148, 21389), (186, 21467), (193, 21485), (245, 21629), (246, 21632), (257, 21659), (263, 21674), (296, 21758), (314, 21806), (332, 21863), (333, 21866), (369, 21935), (375, 21941), (390, 21971),

Gene: Feastonyeet_46 Start: 35108, Stop: 34305, Start Num: 125

Candidate Starts for Feastonyeet_46:

(83, 35168), (Start: 125 @35108 has 93 MA's), (210, 34901), (235, 34847), (238, 34838), (239, 34826), (245, 34799), (252, 34787), (259, 34772), (312, 34661), (317, 34643), (328, 34610), (370, 34508), (371, 34505), (398, 34448), (409, 34427), (439, 34358), (460, 34319), (466, 34310),

Gene: Fenry_24 Start: 20871, Stop: 21674, Start Num: 117

Candidate Starts for Fenry_24:

(Start: 117 @20871 has 33 MA's), (Start: 142 @20919 has 1 MA's), (Start: 150 @20931 has 1 MA's), (160, 20946), (181, 20982), (215, 21075), (221, 21087), (235, 21123), (236, 21126), (245, 21171), (246, 21174), (250, 21186), (257, 21204), (262, 21216), (263, 21219), (264, 21222), (332, 21399),

(338, 21420), (341, 21426), (420, 21582), (436, 21618), (452, 21642), (462, 21663),

Gene: Figliar_30 Start: 22320, Stop: 23108, Start Num: 130

Candidate Starts for Figliar_30:

(Start: 130 @22320 has 62 MA's), (148, 22365), (163, 22395), (168, 22407), (193, 22461), (246, 22608), (257, 22635), (263, 22650), (296, 22734), (332, 22839), (333, 22842), (375, 22917), (444, 23064),

Gene: Fireball_45 Start: 36416, Stop: 37156, Start Num: 120

Candidate Starts for Fireball_45:

(98, 36380), (110, 36401), (Start: 120 @36416 has 37 MA's), (151, 36488), (181, 36524), (207, 36596), (241, 36677), (301, 36791), (304, 36797), (314, 36824), (329, 36872), (378, 36974), (425, 37088), (453, 37136),

Gene: Fitzgerald_44 Start: 40680, Stop: 41414, Start Num: 119

Candidate Starts for Fitzgerald_44:

(58, 40533), (84, 40623), (Start: 119 @40680 has 55 MA's), (Start: 130 @40698 has 62 MA's), (181, 40785), (191, 40812), (210, 40860), (217, 40878), (236, 40920), (261, 40998), (285, 41040), (298, 41073), (345, 41208), (369, 41247), (419, 41346), (429, 41373), (448, 41406),

Gene: Flatwoods_46 Start: 39507, Stop: 40250, Start Num: 119

Candidate Starts for Flatwoods_46:

(Start: 119 @39507 has 55 MA's), (Start: 130 @39525 has 62 MA's), (151, 39570), (181, 39615), (210, 39690), (217, 39708), (236, 39750), (240, 39777), (285, 39870), (289, 39882), (334, 40002), (345, 40038), (352, 40050), (369, 40077), (390, 40110), (402, 40143), (419, 40176), (429, 40203),

Gene: Football_28 Start: 19066, Stop: 19851, Start Num: 130

Candidate Starts for Football_28:

(Start: 130 @19066 has 62 MA's), (148, 19111), (193, 19207), (194, 19213), (245, 19351), (258, 19384), (263, 19396), (332, 19585), (333, 19588), (375, 19663), (444, 19810),

Gene: FortCran_27 Start: 19318, Stop: 20103, Start Num: 130

Candidate Starts for FortCran_27:

(Start: 130 @19318 has 62 MA's), (Start: 138 @19333 has 1 MA's), (148, 19363), (193, 19459), (194, 19465), (245, 19603), (258, 19636), (263, 19648), (332, 19837), (333, 19840), (375, 19915), (444, 20062),

Gene: Forza_182 Start: 105418, Stop: 104702, Start Num: 125

Candidate Starts for Forza_182:

(Start: 125 @105418 has 93 MA's), (151, 105361), (234, 105178), (248, 105118), (280, 105049), (287, 105031), (314, 104956), (318, 104944), (321, 104929), (322, 104926), (330, 104905), (331, 104899), (335, 104884), (389, 104797), (396, 104779), (405, 104761), (414, 104737), (424, 104713),

Gene: Fosterous_43 Start: 39239, Stop: 39973, Start Num: 119

Candidate Starts for Fosterous_43:

(84, 39182), (Start: 119 @39239 has 55 MA's), (Start: 130 @39257 has 62 MA's), (181, 39344), (191, 39371), (210, 39419), (217, 39437), (236, 39479), (261, 39557), (285, 39599), (298, 39632), (345, 39767), (369, 39806), (419, 39905), (429, 39932), (448, 39965),

Gene: Fribs8_41 Start: 32917, Stop: 32156, Start Num: 125

Candidate Starts for Fribs8_41:

(66, 33031), (110, 32932), (Start: 125 @32917 has 93 MA's), (176, 32815), (181, 32809), (189, 32785), (234, 32671), (239, 32647), (245, 32620), (271, 32566), (285, 32545), (317, 32482), (319, 32473),

(338, 32404), (446, 32200), (459, 32173),

Gene: Frizzle_40 Start: 36518, Stop: 37297, Start Num: 125

Candidate Starts for Frizzle_40:

(Start: 125 @36518 has 93 MA's), (Start: 130 @36530 has 62 MA's), (Start: 132 @36536 has 4 MA's), (153, 36584), (158, 36593), (160, 36596), (181, 36632), (219, 36737), (236, 36767), (241, 36797), (251, 36830), (252, 36833), (257, 36845), (258, 36848), (295, 36944), (325, 36989), (438, 37235), (455, 37259),

Gene: Frokostdame_25 Start: 21118, Stop: 21918, Start Num: 117

Candidate Starts for Frokostdame_25:

(53, 20968), (Start: 117 @21118 has 33 MA's), (Start: 142 @21166 has 1 MA's), (Start: 150 @21178 has 1 MA's), (160, 21193), (181, 21229), (215, 21322), (235, 21370), (236, 21373), (249, 21430), (250, 21433), (257, 21451), (262, 21463), (263, 21466), (264, 21469), (332, 21646), (338, 21667), (362, 21709), (416, 21814), (420, 21829), (421, 21832), (436, 21865), (452, 21889),

Gene: FuegoCuervo_48 Start: 39107, Stop: 39841, Start Num: 119

Candidate Starts for FuegoCuervo_48:

(Start: 119 @39107 has 55 MA's), (Start: 130 @39125 has 62 MA's), (181, 39212), (191, 39239), (210, 39287), (217, 39305), (225, 39317), (236, 39347), (241, 39377), (261, 39425), (285, 39467), (345, 39635), (369, 39674), (419, 39773), (429, 39800), (448, 39833),

Gene: Fugax_47 Start: 36463, Stop: 37218, Start Num: 120

Candidate Starts for Fugax_47:

(110, 36448), (Start: 120 @36463 has 37 MA's), (151, 36535), (181, 36571), (207, 36643), (301, 36838), (304, 36844), (314, 36871), (329, 36919), (378, 37021), (414, 37105), (451, 37177),

Gene: Fulcrum_85 Start: 58384, Stop: 59235, Start Num: 124

Candidate Starts for Fulcrum_85:

(51, 58207), (61, 58234), (63, 58243), (67, 58258), (Start: 72 @58267 has 1 MA's), (109, 58360), (110, 58363), (Start: 124 @58384 has 35 MA's), (128, 58393), (137, 58414), (152, 58456), (155, 58462), (177, 58507), (218, 58612), (234, 58648), (238, 58660), (245, 58699), (256, 58729), (257, 58732), (262, 58744), (314, 58879), (334, 58945), (336, 58954), (347, 58984), (363, 59011), (375, 59035), (397, 59089), (419, 59134), (423, 59146), (456, 59212),

Gene: GMA2_76 Start: 77386, Stop: 76664, Start Num: 120

Candidate Starts for GMA2_76:

(Start: 120 @77386 has 37 MA's), (128, 77380), (Start: 132 @77371 has 4 MA's), (174, 77287), (192, 77242), (257, 77065), (306, 76936), (313, 76918), (370, 76777), (391, 76750), (424, 76675),

Gene: GMA3_32 Start: 38590, Stop: 39348, Start Num: 132

Candidate Starts for GMA3_32:

(Start: 132 @38590 has 4 MA's), (175, 38677), (217, 38785), (238, 38833), (244, 38869), (263, 38905), (276, 38938), (281, 38950), (314, 39040), (324, 39073), (356, 39151), (394, 39208), (444, 39319),

Gene: GOATification_85 Start: 58384, Stop: 59235, Start Num: 124

Candidate Starts for GOATification_85:

(51, 58207), (61, 58234), (63, 58243), (67, 58258), (Start: 72 @58267 has 1 MA's), (109, 58360), (110, 58363), (Start: 124 @58384 has 35 MA's), (128, 58393), (137, 58414), (152, 58456), (155, 58462), (177, 58507), (218, 58612), (234, 58648), (238, 58660), (245, 58699), (256, 58729), (257, 58732), (262, 58744), (314, 58879), (334, 58945), (336, 58954), (347, 58984), (363, 59011), (375, 59035), (397, 59089), (419, 59134), (423, 59146), (456, 59212),

Gene: GTE2_37 Start: 33497, Stop: 32658, Start Num: 125

Candidate Starts for GTE2_37:

(83, 33557), (Start: 125 @33497 has 93 MA's), (Start: 150 @33437 has 1 MA's), (169, 33401), (176, 33392), (205, 33320), (241, 33212), (259, 33158), (290, 33092), (299, 33059), (314, 33020), (398, 32816), (409, 32795), (449, 32708),

Gene: GTE6_58 Start: 44409, Stop: 45188, Start Num: 125

Candidate Starts for GTE6_58:

(17, 43980), (19, 44022), (20, 44031), (21, 44073), (23, 44082), (55, 44247), (77, 44313), (82, 44328), (Start: 125 @44409 has 93 MA's), (170, 44508), (181, 44523), (195, 44568), (236, 44658), (242, 44691), (317, 44850), (337, 44919), (364, 44973), (464, 45174),

Gene: Gaea_45 Start: 39151, Stop: 39894, Start Num: 119

Candidate Starts for Gaea_45:

(Start: 119 @39151 has 55 MA's), (Start: 130 @39169 has 62 MA's), (151, 39214), (181, 39259), (199, 39304), (210, 39334), (217, 39352), (225, 39364), (236, 39394), (240, 39421), (285, 39514), (289, 39526), (322, 39610), (345, 39682), (352, 39694), (369, 39721), (390, 39754), (402, 39787), (419, 39820), (429, 39847),

Gene: Galadriel_45 Start: 40046, Stop: 40780, Start Num: 119

Candidate Starts for Galadriel_45:

(58, 39899), (84, 39989), (Start: 119 @40046 has 55 MA's), (Start: 130 @40064 has 62 MA's), (181, 40151), (191, 40178), (210, 40226), (217, 40244), (236, 40286), (261, 40364), (285, 40406), (298, 40439), (345, 40574), (369, 40613), (419, 40712), (429, 40739), (448, 40772),

Gene: Gambino_27 Start: 21524, Stop: 22264, Start Num: 150

Candidate Starts for Gambino_27:

(53, 21314), (Start: 117 @21464 has 33 MA's), (Start: 142 @21512 has 1 MA's), (Start: 150 @21524 has 1 MA's), (181, 21575), (215, 21668), (236, 21719), (249, 21776), (250, 21779), (257, 21797), (262, 21809), (263, 21812), (264, 21815), (332, 21992), (338, 22013), (341, 22019), (362, 22055), (416, 22160), (420, 22175), (421, 22178), (436, 22211), (452, 22235),

Gene: Genamy16_87 Start: 57186, Stop: 58037, Start Num: 124

Candidate Starts for Genamy16_87:

(109, 57162), (110, 57165), (Start: 124 @57186 has 35 MA's), (Start: 132 @57207 has 4 MA's), (137, 57216), (152, 57258), (155, 57264), (177, 57309), (216, 57411), (218, 57414), (234, 57450), (238, 57462), (245, 57501), (256, 57531), (257, 57534), (262, 57546), (263, 57549), (314, 57681), (334, 57747), (336, 57756), (347, 57786), (363, 57813), (374, 57834), (397, 57891), (419, 57936), (456, 58014),

Gene: Geodirt_44 Start: 40658, Stop: 41392, Start Num: 119

Candidate Starts for Geodirt_44:

(84, 40601), (Start: 119 @40658 has 55 MA's), (Start: 130 @40676 has 62 MA's), (181, 40763), (191, 40790), (210, 40838), (217, 40856), (236, 40898), (261, 40976), (285, 41018), (298, 41051), (345, 41186), (369, 41225), (419, 41324), (429, 41351), (448, 41384),

Gene: Gezellig_43 Start: 36323, Stop: 37078, Start Num: 120

Candidate Starts for Gezellig_43:

(81, 36245), (Start: 120 @36323 has 37 MA's), (151, 36395), (207, 36503), (233, 36548), (301, 36698), (304, 36704), (314, 36731), (329, 36779), (378, 36881), (414, 36965), (451, 37037),

Gene: Ghobes_41 Start: 36518, Stop: 37297, Start Num: 125

Candidate Starts for Ghobes_41:

(Start: 125 @36518 has 93 MA's), (Start: 132 @36536 has 4 MA's), (153, 36584), (158, 36593), (160, 36596), (181, 36632), (208, 36710), (219, 36737), (236, 36767), (241, 36797), (251, 36830), (252, 36833), (257, 36845), (275, 36890), (295, 36944), (325, 36989), (438, 37235), (455, 37259),

Gene: GiKK_50 Start: 34402, Stop: 33551, Start Num: 89

Candidate Starts for GiKK_50:

(84, 34417), (Start: 89 @34402 has 9 MA's), (99, 34387), (136, 34330), (139, 34324), (146, 34309), (169, 34264), (176, 34255), (181, 34249), (190, 34222), (224, 34135), (231, 34123), (232, 34120), (238, 34096), (248, 34048), (256, 34027), (274, 33985), (280, 33973), (290, 33955), (305, 33916), (366, 33760), (371, 33748), (435, 33610),

Gene: Gibbin_88 Start: 59024, Stop: 59875, Start Num: 124

Candidate Starts for Gibbin_88:

(109, 59000), (110, 59003), (Start: 124 @59024 has 35 MA's), (128, 59033), (137, 59054), (152, 59096), (155, 59102), (177, 59147), (218, 59252), (223, 59261), (234, 59288), (238, 59300), (245, 59339), (314, 59519), (334, 59585), (336, 59594), (347, 59624), (363, 59651), (375, 59675), (397, 59729), (419, 59774), (423, 59786), (456, 59852),

Gene: Gibbles_38 Start: 40989, Stop: 41708, Start Num: 135

Candidate Starts for Gibbles_38:

(Start: 135 @40989 has 5 MA's), (Start: 138 @40995 has 1 MA's), (Start: 150 @41031 has 1 MA's), (157, 41043), (202, 41136), (245, 41262), (257, 41280), (259, 41286), (276, 41328), (297, 41382), (301, 41394), (335, 41490), (383, 41550), (432, 41664),

Gene: Gibbous_41 Start: 32649, Stop: 31885, Start Num: 125

Candidate Starts for Gibbous_41:

(110, 32664), (Start: 125 @32649 has 93 MA's), (Start: 142 @32610 has 1 MA's), (169, 32556), (181, 32538), (189, 32514), (205, 32472), (234, 32400), (245, 32349), (271, 32295), (285, 32274), (317, 32211), (338, 32133), (357, 32097), (371, 32076), (409, 32004), (413, 31992), (446, 31929), (454, 31914), (455, 31911), (459, 31902), (460, 31899),

Gene: Gill_27 Start: 19428, Stop: 20213, Start Num: 130

Candidate Starts for Gill_27:

(Start: 130 @19428 has 62 MA's), (Start: 138 @19443 has 1 MA's), (157, 19491), (173, 19524), (193, 19569), (194, 19575), (245, 19713), (258, 19746), (263, 19758), (332, 19947), (333, 19950), (375, 20025), (389, 20052), (444, 20172),

Gene: Glintora_30 Start: 22280, Stop: 23068, Start Num: 130

Candidate Starts for Glintora_30:

(Start: 130 @22280 has 62 MA's), (148, 22325), (163, 22355), (168, 22367), (193, 22421), (246, 22568), (261, 22604), (263, 22610), (332, 22799), (333, 22802), (346, 22838), (375, 22877), (444, 23024),

Gene: Gmala1_33 Start: 37223, Stop: 38008, Start Num: 132

Candidate Starts for Gmala1_33:

(Start: 132 @37223 has 4 MA's), (140, 37238), (Start: 150 @37268 has 1 MA's), (157, 37280), (163, 37292), (168, 37304), (184, 37328), (199, 37370), (217, 37418), (236, 37460), (244, 37502), (263, 37553), (304, 37661), (361, 37805), (423, 37928), (444, 37970),

Gene: GoldHunter_46 Start: 33907, Stop: 33068, Start Num: 125

Candidate Starts for GoldHunter_46:

(22, 34228), (25, 34204), (27, 34201), (43, 34114), (52, 34069), (68, 34018), (83, 33967), (Start: 125 @33907 has 93 MA's), (Start: 150 @33847 has 1 MA's), (165, 33817), (169, 33811), (205, 33730),

(241, 33622), (364, 33298), (446, 33127), (449, 33118),

Gene: GordDuk1_33 Start: 37164, Stop: 37949, Start Num: 132

Candidate Starts for GordDuk1_33:

(Start: 132 @37164 has 4 MA's), (140, 37179), (157, 37221), (163, 37233), (184, 37269), (199, 37311), (217, 37359), (236, 37401), (244, 37443), (263, 37494), (304, 37602), (361, 37746), (423, 37869), (444, 37911),

Gene: GordTnk2_33 Start: 37130, Stop: 37915, Start Num: 132

Candidate Starts for GordTnk2_33:

(Start: 132 @37130 has 4 MA's), (140, 37145), (Start: 150 @37175 has 1 MA's), (157, 37187), (163, 37199), (168, 37211), (184, 37235), (199, 37277), (217, 37325), (244, 37409), (263, 37460), (304, 37568), (361, 37712), (423, 37835), (432, 37859), (444, 37877),

Gene: Gravy_27 Start: 19428, Stop: 20213, Start Num: 130

Candidate Starts for Gravy_27:

(Start: 130 @19428 has 62 MA's), (Start: 138 @19443 has 1 MA's), (157, 19491), (173, 19524), (193, 19569), (194, 19575), (245, 19713), (258, 19746), (263, 19758), (332, 19947), (333, 19950), (375, 20025), (389, 20052), (444, 20172),

Gene: Gretellyn_86 Start: 58751, Stop: 59602, Start Num: 124

Candidate Starts for Gretellyn_86:

(109, 58727), (110, 58730), (Start: 124 @58751 has 35 MA's), (128, 58760), (137, 58781), (152, 58823), (155, 58829), (177, 58874), (218, 58979), (234, 59015), (238, 59027), (245, 59066), (314, 59246), (334, 59312), (336, 59321), (347, 59351), (374, 59399), (375, 59402), (397, 59456), (419, 59501), (423, 59513), (456, 59579),

Gene: Guacamole_25 Start: 21156, Stop: 21959, Start Num: 117

Candidate Starts for Guacamole_25:

(Start: 117 @21156 has 33 MA's), (Start: 142 @21204 has 1 MA's), (Start: 150 @21216 has 1 MA's), (160, 21231), (181, 21267), (215, 21360), (236, 21411), (249, 21468), (250, 21471), (257, 21489), (262, 21501), (263, 21504), (264, 21507), (332, 21684), (338, 21705), (341, 21711), (420, 21867), (436, 21903), (452, 21927), (462, 21948),

Gene: Gusicorn_30 Start: 22097, Stop: 22885, Start Num: 130

Candidate Starts for Gusicorn_30:

(Start: 130 @22097 has 62 MA's), (148, 22142), (168, 22184), (193, 22238), (263, 22427), (332, 22616), (333, 22619), (375, 22694), (444, 22841),

Gene: Gustav_37 Start: 28213, Stop: 28986, Start Num: 125

Candidate Starts for Gustav_37:

(Start: 125 @28213 has 93 MA's), (151, 28267), (158, 28279), (185, 28330), (207, 28387), (216, 28417), (225, 28432), (235, 28450), (240, 28480), (241, 28483), (248, 28507), (261, 28540), (301, 28630), (369, 28798), (430, 28939), (445, 28963),

Gene: Gustavo_45 Start: 39323, Stop: 40066, Start Num: 119

Candidate Starts for Gustavo_45:

(Start: 119 @39323 has 55 MA's), (Start: 130 @39341 has 62 MA's), (151, 39386), (181, 39431), (207, 39494), (210, 39506), (217, 39524), (236, 39566), (240, 39593), (285, 39686), (289, 39698), (334, 39818), (345, 39854), (352, 39866), (369, 39893), (390, 39926), (402, 39959), (419, 39992), (429, 40019),

Gene: Halo3_44 Start: 36616, Stop: 37371, Start Num: 120

Candidate Starts for Halo3_44:

(74, 36520), (Start: 120 @36616 has 37 MA's), (151, 36688), (181, 36724), (207, 36796), (301, 36991), (304, 36997), (314, 37024), (378, 37174), (414, 37258), (451, 37330),

Gene: Hans_46 Start: 38978, Stop: 39697, Start Num: 121

Candidate Starts for Hans_46:

(Start: 121 @38978 has 8 MA's), (131, 38993), (Start: 150 @39032 has 1 MA's), (181, 39083), (210, 39143), (302, 39362), (308, 39371), (314, 39389), (332, 39449), (369, 39524), (419, 39623), (434, 39662), (447, 39683),

Gene: Heinz_49 Start: 31743, Stop: 32606, Start Num: 122

Candidate Starts for Heinz_49:

(42, 31539), (64, 31623), (65, 31632), (100, 31713), (Start: 122 @31743 has 19 MA's), (195, 31926), (254, 32100), (265, 32133), (266, 32136), (282, 32169), (301, 32244), (304, 32250), (332, 32337), (382, 32448), (387, 32451), (390, 32457), (401, 32493), (414, 32520), (450, 32595),

Gene: Hexbug_53 Start: 36488, Stop: 35637, Start Num: 89

Candidate Starts for Hexbug_53:

(15, 36890), (84, 36503), (Start: 89 @36488 has 9 MA's), (104, 36464), (139, 36410), (144, 36398), (176, 36341), (181, 36335), (190, 36308), (231, 36209), (232, 36206), (237, 36185), (238, 36182), (241, 36158), (256, 36113), (263, 36098), (264, 36095), (274, 36071), (287, 36044), (305, 35999), (334, 35909), (337, 35897), (368, 35837), (377, 35819), (456, 35660), (460, 35651),

Gene: Hibiscus_50 Start: 31692, Stop: 32555, Start Num: 122

Candidate Starts for Hibiscus_50:

(42, 31488), (64, 31572), (65, 31581), (100, 31662), (Start: 122 @31692 has 19 MA's), (195, 31875), (254, 32049), (265, 32082), (266, 32085), (282, 32118), (301, 32193), (304, 32199), (332, 32286), (382, 32397), (387, 32400), (390, 32406), (401, 32442), (414, 32469), (450, 32544),

Gene: HippoPololi_43 Start: 33061, Stop: 32297, Start Num: 125

Candidate Starts for HippoPololi_43:

(110, 33076), (Start: 125 @33061 has 93 MA's), (Start: 142 @33019 has 1 MA's), (176, 32956), (181, 32950), (189, 32926), (230, 32827), (234, 32812), (238, 32800), (245, 32761), (271, 32707), (285, 32686), (317, 32623), (338, 32545), (371, 32488), (409, 32416), (413, 32404), (460, 32311),

Gene: Hitter_25 Start: 21152, Stop: 21955, Start Num: 117

Candidate Starts for Hitter_25:

(Start: 117 @21152 has 33 MA's), (Start: 142 @21200 has 1 MA's), (Start: 150 @21212 has 1 MA's), (160, 21227), (215, 21356), (221, 21368), (236, 21407), (246, 21455), (250, 21467), (257, 21485), (262, 21497), (263, 21500), (264, 21503), (332, 21680), (338, 21701), (341, 21707), (420, 21863), (436, 21899), (452, 21923), (462, 21944),

Gene: Horseradish_48 Start: 34002, Stop: 33154, Start Num: 125

Candidate Starts for Horseradish_48:

(83, 34062), (Start: 125 @34002 has 93 MA's), (169, 33906), (176, 33897), (210, 33807), (241, 33717), (242, 33714), (259, 33666), (264, 33657), (274, 33633), (290, 33600), (299, 33567), (314, 33528), (411, 33300), (413, 33291), (449, 33216), (455, 33207),

Gene: Hortense_25 Start: 21831, Stop: 22619, Start Num: 125

Candidate Starts for Hortense_25:

(Start: 117 @21819 has 33 MA's), (Start: 125 @21831 has 93 MA's), (Start: 130 @21843 has 62 MA's), (131, 21846), (Start: 142 @21873 has 1 MA's), (Start: 150 @21885 has 1 MA's), (181, 21936), (215, 22029), (234, 22074), (235, 22077), (236, 22080), (250, 22140), (257, 22158), (262, 22170),

(263, 22173), (264, 22176), (304, 22266), (332, 22353), (416, 22521), (421, 22539), (436, 22575), (452, 22599),

Gene: Hortihabitatio_30 Start: 21725, Stop: 22510, Start Num: 130

Candidate Starts for Hortihabitatio_30:

(Start: 130 @21725 has 62 MA's), (168, 21812), (193, 21866), (246, 22013), (257, 22040), (263, 22055), (332, 22244), (333, 22247), (375, 22322), (390, 22352),

Gene: Howe_25 Start: 21873, Stop: 22619, Start Num: 142

Candidate Starts for Howe_25:

(Start: 117 @21819 has 33 MA's), (Start: 125 @21831 has 93 MA's), (Start: 130 @21843 has 62 MA's), (131, 21846), (Start: 142 @21873 has 1 MA's), (Start: 150 @21885 has 1 MA's), (181, 21936), (215, 22029), (234, 22074), (235, 22077), (236, 22080), (250, 22140), (257, 22158), (262, 22170), (263, 22173), (264, 22176), (304, 22266), (332, 22353), (416, 22521), (421, 22539), (436, 22575), (452, 22599),

Gene: Hydrus_31 Start: 22825, Stop: 23613, Start Num: 130

Candidate Starts for Hydrus_31:

(Start: 130 @22825 has 62 MA's), (163, 22900), (168, 22912), (193, 22966), (194, 22972), (213, 23017), (246, 23113), (252, 23131), (257, 23140), (261, 23149), (263, 23155), (332, 23344), (333, 23347), (337, 23362), (375, 23422), (444, 23569),

Gene: Hyzer_27 Start: 22843, Stop: 23631, Start Num: 123

Candidate Starts for Hyzer_27:

(44, 22639), (69, 22723), (77, 22744), (Start: 123 @22843 has 6 MA's), (131, 22858), (Start: 142 @22885 has 1 MA's), (Start: 150 @22897 has 1 MA's), (160, 22912), (215, 23041), (236, 23092), (246, 23140), (250, 23152), (262, 23182), (263, 23185), (264, 23188), (332, 23365), (338, 23386), (341, 23392), (362, 23428), (416, 23533), (436, 23587), (452, 23611),

Gene: Inspectinfecti_45 Start: 39424, Stop: 40143, Start Num: 121

Candidate Starts for Inspectinfecti_45:

(Start: 121 @39424 has 8 MA's), (131, 39439), (Start: 150 @39478 has 1 MA's), (181, 39529), (210, 39589), (302, 39808), (308, 39817), (314, 39835), (332, 39895), (369, 39970), (419, 40069), (434, 40108), (447, 40129),

Gene: Invectra_25 Start: 21541, Stop: 22338, Start Num: 117

Candidate Starts for Invectra_25:

(56, 21391), (Start: 117 @21541 has 33 MA's), (Start: 123 @21550 has 6 MA's), (Start: 130 @21562 has 62 MA's), (131, 21565), (Start: 142 @21592 has 1 MA's), (Start: 150 @21604 has 1 MA's), (181, 21655), (215, 21748), (234, 21793), (235, 21796), (236, 21799), (250, 21859), (257, 21877), (262, 21889), (263, 21892), (264, 21895), (304, 21985), (332, 22072), (416, 22240), (436, 22294), (452, 22318),

Gene: JKSyngboy_43 Start: 39922, Stop: 40665, Start Num: 119

Candidate Starts for JKSyngboy_43:

(Start: 119 @39922 has 55 MA's), (Start: 130 @39940 has 62 MA's), (151, 39985), (199, 40075), (210, 40105), (217, 40123), (225, 40135), (236, 40165), (240, 40192), (285, 40285), (289, 40297), (345, 40453), (352, 40465), (369, 40492), (390, 40525), (419, 40591), (429, 40618),

Gene: Jabberwocky_44 Start: 41084, Stop: 41818, Start Num: 119

Candidate Starts for Jabberwocky_44:

(84, 41027), (Start: 119 @41084 has 55 MA's), (Start: 130 @41102 has 62 MA's), (181, 41189), (191, 41216), (210, 41264), (217, 41282), (236, 41324), (261, 41402), (285, 41444), (298, 41477), (345,

41612), (369, 41651), (419, 41750), (429, 41777), (448, 41810),

Gene: Jace_72 Start: 41711, Stop: 42511, Start Num: 138

Candidate Starts for Jace_72:

(Start: 138 @41711 has 1 MA's), (228, 41924), (267, 42038), (304, 42122), (321, 42176), (332, 42209), (336, 42224),

Gene: Jalammah_27 Start: 21946, Stop: 22749, Start Num: 117

Candidate Starts for Jalammah_27:

(Start: 117 @21946 has 33 MA's), (Start: 142 @21994 has 1 MA's), (Start: 150 @22006 has 1 MA's), (160, 22021), (181, 22057), (215, 22150), (236, 22201), (249, 22258), (250, 22261), (257, 22279), (262, 22291), (263, 22294), (264, 22297), (332, 22474), (338, 22495), (341, 22501), (436, 22693), (452, 22717), (462, 22738),

Gene: Jalebi_86 Start: 59669, Stop: 60520, Start Num: 124

Candidate Starts for Jalebi_86:

(109, 59645), (110, 59648), (Start: 124 @59669 has 35 MA's), (128, 59678), (137, 59699), (152, 59741), (155, 59747), (177, 59792), (218, 59897), (223, 59906), (234, 59933), (238, 59945), (245, 59984), (314, 60164), (334, 60230), (336, 60239), (347, 60269), (363, 60296), (375, 60320), (397, 60374), (419, 60419), (423, 60431), (456, 60497),

Gene: Jambalaya_44 Start: 35970, Stop: 36725, Start Num: 120

Candidate Starts for Jambalaya_44:

(74, 35874), (Start: 120 @35970 has 37 MA's), (151, 36042), (207, 36150), (233, 36195), (301, 36345), (304, 36351), (314, 36378), (329, 36426), (378, 36528), (414, 36612), (451, 36684),

Gene: Jamemuya19_82 Start: 56791, Stop: 57642, Start Num: 124

Candidate Starts for Jamemuya19_82:

(109, 56767), (110, 56770), (Start: 124 @56791 has 35 MA's), (128, 56800), (Start: 132 @56812 has 4 MA's), (137, 56821), (152, 56863), (155, 56869), (177, 56914), (216, 57016), (218, 57019), (234, 57055), (238, 57067), (245, 57106), (256, 57136), (257, 57139), (262, 57151), (263, 57154), (314, 57286), (334, 57352), (336, 57361), (347, 57391), (363, 57418), (374, 57439), (397, 57496), (419, 57541), (456, 57619),

Gene: Jamzy_50 Start: 34382, Stop: 33534, Start Num: 89

Candidate Starts for Jamzy_50:

(84, 34397), (Start: 89 @34382 has 9 MA's), (99, 34367), (136, 34313), (139, 34307), (146, 34292), (169, 34247), (176, 34238), (181, 34232), (190, 34205), (224, 34118), (231, 34106), (232, 34103), (238, 34079), (248, 34031), (256, 34010), (274, 33968), (280, 33956), (290, 33938), (366, 33743), (371, 33731), (435, 33593),

Gene: JasperJr_25 Start: 21156, Stop: 21959, Start Num: 117

Candidate Starts for JasperJr_25:

(Start: 117 @21156 has 33 MA's), (Start: 142 @21204 has 1 MA's), (Start: 150 @21216 has 1 MA's), (160, 21231), (181, 21267), (215, 21360), (236, 21411), (249, 21468), (250, 21471), (257, 21489), (262, 21501), (263, 21504), (264, 21507), (332, 21684), (338, 21705), (341, 21711), (420, 21867), (436, 21903), (452, 21927), (462, 21948),

Gene: JeanGrey_131 Start: 99191, Stop: 99985, Start Num: 130

Candidate Starts for JeanGrey_131:

(Start: 124 @99176 has 35 MA's), (Start: 130 @99191 has 62 MA's), (161, 99260), (193, 99323), (248, 99482), (258, 99506), (263, 99518), (304, 99623), (330, 99698), (337, 99725), (358, 99767), (376, 99788), (384, 99803), (444, 99935), (456, 99959), (460, 99968),

Gene: Jodelie19_31 Start: 23744, Stop: 24532, Start Num: 130

Candidate Starts for Jodelie19_31:

(Start: 130 @23744 has 62 MA's), (148, 23789), (163, 23819), (168, 23831), (193, 23885), (246, 24032), (263, 24074), (296, 24158), (332, 24263), (333, 24266), (375, 24341), (444, 24488),

Gene: JohnPork_45 Start: 35691, Stop: 36446, Start Num: 120

Candidate Starts for JohnPork_45:

(74, 35595), (Start: 120 @35691 has 37 MA's), (151, 35763), (181, 35799), (207, 35871), (301, 36066), (304, 36072), (314, 36099), (378, 36249), (414, 36333), (451, 36405),

Gene: Jojo24_48 Start: 32326, Stop: 33183, Start Num: 122

Candidate Starts for Jojo24_48:

(1, 30784), (2, 31171), (3, 31207), (4, 31291), (5, 31480), (6, 31555), (9, 31585), (11, 31714), (38, 32113), (64, 32212), (65, 32221), (79, 32251), (87, 32281), (96, 32290), (100, 32296), (Start: 122 @32326 has 19 MA's), (195, 32509), (254, 32677), (265, 32710), (266, 32713), (282, 32746), (291, 32767), (301, 32821), (304, 32827), (332, 32914), (382, 33025), (387, 33028), (390, 33034), (401, 33070), (414, 33097), (450, 33172),

Gene: JuJu_26 Start: 21224, Stop: 22018, Start Num: 115

Candidate Starts for JuJu_26:

(Start: 115 @21224 has 6 MA's), (Start: 142 @21266 has 1 MA's), (Start: 150 @21278 has 1 MA's), (181, 21329), (215, 21422), (236, 21473), (249, 21530), (250, 21533), (257, 21551), (262, 21563), (263, 21566), (264, 21569), (332, 21746), (338, 21767), (436, 21965), (452, 21989), (462, 22007),

Gene: JulesRay_27 Start: 19348, Stop: 20133, Start Num: 130

Candidate Starts for JulesRay_27:

(Start: 130 @19348 has 62 MA's), (148, 19393), (193, 19489), (194, 19495), (245, 19633), (258, 19666), (263, 19678), (332, 19867), (333, 19870), (375, 19945), (444, 20092),

Gene: Jumbo_41 Start: 43925, Stop: 44704, Start Num: 132

Candidate Starts for Jumbo_41:

(Start: 132 @43925 has 4 MA's), (157, 43979), (178, 44015), (217, 44117), (229, 44138), (237, 44162), (263, 44240), (297, 44330), (304, 44348), (326, 44411), (335, 44441), (350, 44477), (387, 44528),

Gene: Kamashten_43 Start: 39019, Stop: 39753, Start Num: 119

Candidate Starts for Kamashten_43:

(84, 38962), (Start: 119 @39019 has 55 MA's), (Start: 130 @39037 has 62 MA's), (181, 39124), (191, 39151), (210, 39199), (217, 39217), (236, 39259), (261, 39337), (285, 39379), (298, 39412), (345, 39547), (369, 39586), (419, 39685), (429, 39712), (448, 39745),

Gene: Kampe_40 Start: 40828, Stop: 41550, Start Num: 135

Candidate Starts for Kampe_40:

(Start: 135 @40828 has 5 MA's), (157, 40882), (202, 40975), (236, 41056), (242, 41089), (276, 41167), (335, 41329), (383, 41389), (432, 41503),

Gene: KappaFarmDelta_27 Start: 21652, Stop: 22440, Start Num: 115

Candidate Starts for KappaFarmDelta_27:

(18, 21259), (28, 21388), (48, 21499), (59, 21526), (70, 21562), (Start: 115 @21652 has 6 MA's), (Start: 142 @21694 has 1 MA's), (Start: 150 @21706 has 1 MA's), (181, 21757), (215, 21850), (236, 21901), (246, 21949), (249, 21958), (250, 21961), (257, 21979), (262, 21991), (263, 21994), (264, 21997), (332, 22174), (338, 22195), (436, 22393), (452, 22417),

Gene: KayGee_48 Start: 35490, Stop: 34687, Start Num: 125

Candidate Starts for KayGee_48:

(83, 35550), (Start: 125 @35490 has 93 MA's), (210, 35283), (235, 35229), (239, 35208), (243, 35190), (245, 35181), (259, 35154), (312, 35043), (317, 35025), (328, 34992), (370, 34890), (371, 34887), (409, 34809), (411, 34806), (439, 34740), (460, 34701), (466, 34692),

Gene: Keitabear_45 Start: 40674, Stop: 41408, Start Num: 119

Candidate Starts for Keitabear_45:

(111, 40668), (Start: 119 @40674 has 55 MA's), (Start: 130 @40692 has 62 MA's), (181, 40779), (191, 40806), (210, 40854), (217, 40872), (236, 40914), (261, 40992), (285, 41034), (298, 41067), (345, 41202), (369, 41241), (419, 41340), (429, 41367), (448, 41400),

Gene: Kenosha_30 Start: 22860, Stop: 23648, Start Num: 130

Candidate Starts for Kenosha_30:

(Start: 130 @22860 has 62 MA's), (148, 22905), (168, 22947), (193, 23001), (194, 23007), (227, 23082), (261, 23184), (332, 23379), (333, 23382), (337, 23397), (375, 23457), (389, 23484), (444, 23604),

Gene: Kerry_27 Start: 19428, Stop: 20213, Start Num: 130

Candidate Starts for Kerry_27:

(Start: 130 @19428 has 62 MA's), (Start: 138 @19443 has 1 MA's), (157, 19491), (173, 19524), (193, 19569), (194, 19575), (245, 19713), (258, 19746), (263, 19758), (332, 19947), (333, 19950), (375, 20025), (389, 20052), (444, 20172),

Gene: Kewpiedoll_45 Start: 39960, Stop: 40694, Start Num: 119

Candidate Starts for Kewpiedoll_45:

(84, 39903), (Start: 119 @39960 has 55 MA's), (Start: 130 @39978 has 62 MA's), (181, 40065), (191, 40092), (210, 40140), (217, 40158), (236, 40200), (261, 40278), (285, 40320), (298, 40353), (345, 40488), (369, 40527), (419, 40626), (429, 40653), (448, 40686),

Gene: KimmyK_45 Start: 36905, Stop: 37660, Start Num: 120

Candidate Starts for KimmyK_45:

(81, 36827), (Start: 120 @36905 has 37 MA's), (151, 36977), (207, 37085), (233, 37130), (301, 37280), (304, 37286), (314, 37313), (329, 37361), (378, 37463), (414, 37547), (451, 37619),

Gene: Kroos_46 Start: 40063, Stop: 40806, Start Num: 119

Candidate Starts for Kroos_46:

(Start: 119 @40063 has 55 MA's), (Start: 130 @40081 has 62 MA's), (151, 40126), (181, 40171), (210, 40246), (217, 40264), (236, 40306), (240, 40333), (285, 40426), (289, 40438), (345, 40594), (352, 40606), (369, 40633), (390, 40666), (419, 40732), (429, 40759),

Gene: Kudrefre_120 Start: 65328, Stop: 66050, Start Num: 125

Candidate Starts for Kudrefre_120:

(Start: 125 @65328 has 93 MA's), (145, 65376), (159, 65403), (166, 65418), (236, 65550), (257, 65619), (317, 65760), (327, 65790), (360, 65862), (405, 65934), (455, 66033), (456, 66036),

Gene: Kwekel_57 Start: 43609, Stop: 44388, Start Num: 125

Candidate Starts for Kwekel_57:

(55, 43447), (77, 43513), (82, 43528), (Start: 125 @43609 has 93 MA's), (134, 43630), (170, 43708), (181, 43723), (195, 43768), (236, 43858), (242, 43891), (307, 44023), (317, 44050), (337, 44119), (364, 44173), (395, 44221), (449, 44344), (464, 44374),

Gene: Kwobi_47 Start: 40049, Stop: 40792, Start Num: 119

Candidate Starts for Kwobi_47:

(Start: 119 @40049 has 55 MA's), (Start: 130 @40067 has 62 MA's), (151, 40112), (181, 40157), (210, 40232), (217, 40250), (225, 40262), (236, 40292), (240, 40319), (285, 40412), (289, 40424), (345, 40580), (352, 40592), (369, 40619), (390, 40652), (419, 40718), (429, 40745),

Gene: Lambo_86 Start: 58781, Stop: 59629, Start Num: 124

Candidate Starts for Lambo_86:

(109, 58757), (110, 58760), (116, 58769), (Start: 124 @58781 has 35 MA's), (Start: 132 @58799 has 4 MA's), (137, 58808), (152, 58850), (155, 58856), (177, 58901), (218, 59006), (234, 59042), (238, 59054), (256, 59123), (257, 59126), (262, 59138), (314, 59273), (334, 59339), (336, 59348), (347, 59378), (374, 59426), (375, 59429), (397, 59483), (419, 59528), (423, 59540), (456, 59606),

Gene: Lauer_43 Start: 36512, Stop: 35706, Start Num: 125

Candidate Starts for Lauer_43:

(83, 36572), (Start: 125 @36512 has 93 MA's), (210, 36305), (235, 36251), (239, 36230), (243, 36212), (245, 36203), (259, 36176), (312, 36065), (317, 36047), (328, 36014), (370, 35912), (371, 35909), (409, 35831), (411, 35828), (439, 35762), (460, 35723), (466, 35711),

Gene: LavAbarElk_86 Start: 57842, Stop: 58693, Start Num: 124

Candidate Starts for LavAbarElk_86:

(109, 57818), (110, 57821), (Start: 124 @57842 has 35 MA's), (128, 57851), (137, 57872), (152, 57914), (155, 57920), (218, 58070), (223, 58079), (234, 58106), (238, 58118), (245, 58157), (314, 58337), (334, 58403), (336, 58412), (347, 58442), (363, 58469), (375, 58493), (397, 58547), (419, 58592), (423, 58604), (456, 58670),

Gene: Lennon_45 Start: 40763, Stop: 41497, Start Num: 119

Candidate Starts for Lennon_45:

(84, 40706), (Start: 119 @40763 has 55 MA's), (Start: 130 @40781 has 62 MA's), (181, 40868), (191, 40895), (210, 40943), (217, 40961), (236, 41003), (261, 41081), (285, 41123), (298, 41156), (345, 41291), (369, 41330), (419, 41429), (429, 41456), (448, 41489),

Gene: Leonard_44 Start: 39063, Stop: 39782, Start Num: 121

Candidate Starts for Leonard_44:

(Start: 121 @39063 has 8 MA's), (131, 39078), (Start: 150 @39117 has 1 MA's), (172, 39156), (181, 39168), (198, 39207), (210, 39228), (302, 39447), (308, 39456), (314, 39474), (320, 39495), (332, 39534), (369, 39609), (419, 39708), (434, 39747), (447, 39768),

Gene: LilHam_43 Start: 38650, Stop: 39393, Start Num: 119

Candidate Starts for LilHam_43:

(Start: 119 @38650 has 55 MA's), (Start: 130 @38668 has 62 MA's), (151, 38713), (181, 38758), (210, 38833), (217, 38851), (236, 38893), (285, 39013), (289, 39025), (334, 39145), (345, 39181), (352, 39193), (369, 39220), (390, 39253), (402, 39286), (419, 39319), (429, 39346),

Gene: LilJank_113 Start: 66997, Stop: 67728, Start Num: 120

Candidate Starts for LilJank_113:

(Start: 120 @66997 has 37 MA's), (129, 67012), (148, 67057), (152, 67066), (174, 67105), (190, 67141), (213, 67195), (242, 67261), (269, 67327), (280, 67348), (304, 67405), (345, 67525), (373, 67561), (380, 67570), (390, 67585), (460, 67720),

Gene: Lila22_87 Start: 59144, Stop: 59992, Start Num: 124

Candidate Starts for Lila22_87:

(109, 59120), (110, 59123), (114, 59129), (Start: 124 @59144 has 35 MA's), (Start: 132 @59162 has 4 MA's), (137, 59171), (152, 59213), (155, 59219), (177, 59264), (218, 59369), (234, 59405), (238,

59417), (256, 59486), (257, 59489), (262, 59501), (314, 59636), (334, 59702), (336, 59711), (347, 59741), (374, 59789), (375, 59792), (397, 59846), (419, 59891), (423, 59903), (456, 59969),

Gene: Lilbeanie_44 Start: 35096, Stop: 35851, Start Num: 123

Candidate Starts for Lilbeanie_44:

(92, 35048), (Start: 123 @35096 has 6 MA's), (131, 35111), (Start: 150 @35150 has 1 MA's), (158, 35162), (160, 35165), (218, 35306), (236, 35345), (245, 35390), (285, 35471), (314, 35540), (325, 35576), (332, 35600),

Gene: LilyPad_89 Start: 63022, Stop: 63735, Start Num: 127

Candidate Starts for LilyPad_89:

(Start: 127 @63022 has 22 MA's), (242, 63301), (248, 63322), (325, 63517), (348, 63580), (355, 63592), (389, 63643), (414, 63700), (417, 63703), (424, 63724),

Gene: LittleFella_91 Start: 63267, Stop: 63962, Start Num: 127

Candidate Starts for LittleFella_91:

(113, 63252), (Start: 122 @63258 has 19 MA's), (Start: 127 @63267 has 22 MA's), (131, 63279), (134, 63285), (151, 63321), (160, 63336), (164, 63345), (190, 63402), (209, 63450), (234, 63501), (238, 63513), (255, 63579), (304, 63687), (306, 63690), (322, 63744), (330, 63765), (356, 63825), (375, 63846), (379, 63855), (387, 63864), (390, 63870), (424, 63951),

Gene: Love_49 Start: 41211, Stop: 41945, Start Num: 119

Candidate Starts for Love_49:

(58, 41064), (84, 41154), (Start: 119 @41211 has 55 MA's), (Start: 130 @41229 has 62 MA's), (181, 41316), (191, 41343), (210, 41391), (217, 41409), (236, 41451), (261, 41529), (285, 41571), (298, 41604), (345, 41739), (369, 41778), (419, 41877), (429, 41904), (448, 41937),

Gene: LuckyLeo_84 Start: 58457, Stop: 59287, Start Num: 132

Candidate Starts for LuckyLeo_84:

(109, 58415), (110, 58418), (116, 58427), (Start: 124 @58439 has 35 MA's), (Start: 132 @58457 has 4 MA's), (137, 58466), (143, 58490), (152, 58508), (180, 58565), (234, 58700), (242, 58739), (245, 58751), (257, 58784), (262, 58796), (269, 58817), (304, 58904), (314, 58931), (337, 59009), (347, 59036), (349, 59042), (359, 59057), (363, 59063), (397, 59141), (415, 59177), (457, 59267),

Gene: Luthien_31 Start: 22308, Stop: 23096, Start Num: 130

Candidate Starts for Luthien_31:

(Start: 130 @22308 has 62 MA's), (148, 22353), (163, 22383), (193, 22449), (246, 22596), (261, 22632), (263, 22638), (332, 22827), (333, 22830), (358, 22887), (375, 22905), (389, 22932), (444, 23052),

Gene: Lysidious_26 Start: 21676, Stop: 22476, Start Num: 117

Candidate Starts for Lysidious_26:

(Start: 117 @21676 has 33 MA's), (Start: 142 @21724 has 1 MA's), (Start: 150 @21736 has 1 MA's), (160, 21751), (181, 21787), (215, 21880), (235, 21928), (236, 21931), (246, 21979), (250, 21991), (257, 22009), (262, 22021), (263, 22024), (264, 22027), (332, 22204), (338, 22225), (341, 22231), (436, 22423), (452, 22447),

Gene: MAnor_48 Start: 35832, Stop: 35035, Start Num: 125

Candidate Starts for MAnor_48:

(83, 35892), (Start: 125 @35832 has 93 MA's), (161, 35760), (173, 35739), (210, 35631), (235, 35577), (243, 35538), (252, 35517), (317, 35373), (328, 35340), (371, 35235), (409, 35157), (439, 35088), (446, 35079), (460, 35049), (466, 35040),

Gene: MScarn_50 Start: 34184, Stop: 33336, Start Num: 125

Candidate Starts for MScarn_50:

(83, 34244), (Start: 125 @34184 has 93 MA's), (169, 34088), (176, 34079), (210, 33989), (241, 33899), (242, 33896), (259, 33848), (264, 33839), (274, 33815), (290, 33782), (299, 33749), (314, 33710), (411, 33482), (413, 33473), (449, 33398), (455, 33389),

Gene: MaVan_42 Start: 33215, Stop: 32457, Start Num: 125

Candidate Starts for MaVan_42:

(Start: 125 @33215 has 93 MA's), (Start: 142 @33176 has 1 MA's), (Start: 150 @33158 has 1 MA's), (169, 33122), (181, 33107), (189, 33083), (202, 33047), (210, 33023), (234, 32969), (271, 32864), (285, 32843), (317, 32783), (338, 32705), (364, 32660), (395, 32615), (446, 32501), (454, 32486),

Gene: Madi_94 Start: 65302, Stop: 66018, Start Num: 127

Candidate Starts for Madi_94:

(Start: 127 @65302 has 22 MA's), (242, 65584), (257, 65629), (306, 65740), (344, 65857), (348, 65863), (367, 65896), (375, 65905), (389, 65926), (396, 65944), (414, 65983), (417, 65986), (424, 66007),

Gene: Madvan_30 Start: 22092, Stop: 22880, Start Num: 130

Candidate Starts for Madvan_30:

(Start: 130 @22092 has 62 MA's), (148, 22137), (163, 22167), (168, 22179), (193, 22233), (194, 22239), (213, 22284), (246, 22380), (252, 22398), (257, 22407), (263, 22422), (332, 22611), (333, 22614), (337, 22629), (375, 22689), (389, 22716), (444, 22836),

Gene: Magel_27 Start: 19428, Stop: 20213, Start Num: 130

Candidate Starts for Magel_27:

(Start: 130 @19428 has 62 MA's), (Start: 138 @19443 has 1 MA's), (157, 19491), (173, 19524), (193, 19569), (194, 19575), (245, 19713), (258, 19746), (263, 19758), (332, 19947), (333, 19950), (375, 20025), (389, 20052), (444, 20172),

Gene: Mahdia_35 Start: 27405, Stop: 28184, Start Num: 125

Candidate Starts for Mahdia_35:

(Start: 125 @27405 has 93 MA's), (129, 27414), (151, 27459), (185, 27522), (207, 27579), (214, 27600), (216, 27609), (218, 27612), (225, 27624), (240, 27672), (241, 27675), (247, 27696), (248, 27699), (261, 27732), (354, 27966), (369, 27993), (430, 28134), (442, 28155), (445, 28158),

Gene: MajinBuu_30 Start: 22315, Stop: 23103, Start Num: 130

Candidate Starts for MajinBuu_30:

(Start: 130 @22315 has 62 MA's), (148, 22360), (163, 22390), (168, 22402), (193, 22456), (246, 22603), (257, 22630), (263, 22645), (296, 22729), (332, 22834), (333, 22837), (375, 22912), (444, 23059),

Gene: MakCheese_31 Start: 25868, Stop: 26623, Start Num: 142

Candidate Starts for MakCheese_31:

(Start: 119 @25817 has 55 MA's), (Start: 125 @25826 has 93 MA's), (Start: 130 @25838 has 62 MA's), (131, 25841), (Start: 142 @25868 has 1 MA's), (Start: 150 @25880 has 1 MA's), (164, 25904), (181, 25931), (215, 26024), (235, 26072), (236, 26075), (237, 26078), (250, 26135), (257, 26153), (262, 26165), (263, 26168), (264, 26171), (304, 26261), (332, 26348), (345, 26384), (362, 26411), (416, 26516), (436, 26570), (452, 26594),

Gene: Malachai_26 Start: 21633, Stop: 22436, Start Num: 117

Candidate Starts for Malachai_26:

(Start: 117 @21633 has 33 MA's), (Start: 142 @21681 has 1 MA's), (Start: 150 @21693 has 1 MA's), (160, 21708), (181, 21744), (215, 21837), (236, 21888), (249, 21945), (250, 21948), (257, 21966), (262, 21978), (263, 21981), (264, 21984), (332, 22161), (338, 22182), (341, 22188), (420, 22344), (436, 22380), (452, 22404), (462, 22425),

Gene: Malvina_44 Start: 33059, Stop: 32295, Start Num: 125

Candidate Starts for Malvina_44:

(110, 33074), (Start: 125 @33059 has 93 MA's), (Start: 142 @33017 has 1 MA's), (176, 32954), (181, 32948), (189, 32924), (202, 32888), (234, 32810), (238, 32798), (245, 32759), (271, 32705), (285, 32684), (317, 32621), (338, 32543), (371, 32486), (409, 32414), (413, 32402), (460, 32309),

Gene: Mareelih_179 Start: 104936, Stop: 104220, Start Num: 125

Candidate Starts for Mareelih_179:

(Start: 125 @104936 has 93 MA's), (151, 104879), (234, 104696), (248, 104636), (280, 104567), (287, 104549), (314, 104474), (318, 104462), (321, 104447), (322, 104444), (330, 104423), (331, 104417), (335, 104402), (389, 104315), (396, 104297), (405, 104279), (414, 104255), (424, 104231),

Gene: Margaret_51 Start: 35131, Stop: 34277, Start Num: 89

Candidate Starts for Margaret_51:

(30, 35368), (55, 35245), (84, 35146), (Start: 89 @35131 has 9 MA's), (101, 35113), (133, 35065), (139, 35053), (176, 34984), (181, 34978), (190, 34951), (195, 34933), (224, 34864), (231, 34852), (232, 34849), (241, 34801), (256, 34756), (305, 34645), (311, 34630), (322, 34591), (334, 34555), (337, 34543), (368, 34483), (370, 34480), (435, 34339), (448, 34318),

Gene: Mayweather_51 Start: 36577, Stop: 35774, Start Num: 125

Candidate Starts for Mayweather_51:

(83, 36637), (Start: 125 @36577 has 93 MA's), (161, 36499), (210, 36370), (235, 36316), (243, 36277), (252, 36256), (317, 36112), (328, 36079), (370, 35977), (371, 35974), (409, 35896), (411, 35893), (439, 35827), (454, 35803), (460, 35788), (466, 35779),

Gene: Mbo2_63 Start: 49136, Stop: 48321, Start Num: 116

Candidate Starts for Mbo2_63:

(116, 49136), (153, 49061), (158, 49052), (169, 49028), (183, 49007), (198, 48959), (238, 48863), (241, 48839), (292, 48725), (331, 48608), (337, 48587), (342, 48569), (399, 48458), (408, 48443), (450, 48350),

Gene: Mbo4_54 Start: 39648, Stop: 40400, Start Num: 127

Candidate Starts for Mbo4_54:

(32, 39369), (33, 39378), (39, 39417), (43, 39426), (46, 39444), (106, 39618), (Start: 117 @39636 has 33 MA's), (Start: 127 @39648 has 22 MA's), (Start: 142 @39687 has 1 MA's), (147, 39702), (181, 39756), (213, 39837), (244, 39918), (278, 40002), (304, 40062), (314, 40089),

Gene: McCrothy_45 Start: 40370, Stop: 41104, Start Num: 119

Candidate Starts for McCrothy_45:

(58, 40223), (84, 40313), (Start: 119 @40370 has 55 MA's), (Start: 130 @40388 has 62 MA's), (181, 40475), (191, 40502), (210, 40550), (217, 40568), (236, 40610), (261, 40688), (285, 40730), (298, 40763), (345, 40898), (369, 40937), (419, 41036), (429, 41063), (448, 41096),

Gene: McDazzle_49 Start: 35622, Stop: 34819, Start Num: 125

Candidate Starts for McDazzle_49:

(83, 35682), (Start: 125 @35622 has 93 MA's), (161, 35544), (190, 35472), (210, 35415), (235, 35361), (243, 35322), (252, 35301), (317, 35157), (328, 35124), (371, 35019), (409, 34941), (439, 34872), (446, 34863), (460, 34833), (466, 34824),

Gene: McKinley_47 Start: 40584, Stop: 41318, Start Num: 119

Candidate Starts for McKinley_47:

(58, 40437), (84, 40527), (Start: 119 @40584 has 55 MA's), (Start: 130 @40602 has 62 MA's), (181, 40689), (191, 40716), (210, 40764), (217, 40782), (236, 40824), (261, 40902), (285, 40944), (298, 40977), (345, 41112), (369, 41151), (419, 41250), (429, 41277), (448, 41310),

Gene: Mcklovin_25 Start: 24000, Stop: 24788, Start Num: 125

Candidate Starts for Mcklovin_25:

(Start: 117 @23988 has 33 MA's), (Start: 125 @24000 has 93 MA's), (Start: 130 @24012 has 62 MA's), (131, 24015), (Start: 142 @24042 has 1 MA's), (Start: 150 @24054 has 1 MA's), (181, 24105), (215, 24198), (234, 24243), (235, 24246), (236, 24249), (250, 24309), (257, 24327), (262, 24339), (263, 24342), (264, 24345), (304, 24435), (332, 24522), (436, 24744), (452, 24768),

Gene: MelBins_45 Start: 39210, Stop: 39932, Start Num: 121

Candidate Starts for MelBins_45:

(Start: 121 @39210 has 8 MA's), (131, 39225), (Start: 150 @39264 has 1 MA's), (172, 39303), (181, 39315), (210, 39375), (256, 39498), (300, 39591), (302, 39597), (308, 39606), (320, 39645), (332, 39684), (369, 39759), (419, 39858), (434, 39897), (447, 39918),

Gene: Melba_25 Start: 21152, Stop: 21955, Start Num: 117

Candidate Starts for Melba_25:

(Start: 117 @21152 has 33 MA's), (Start: 142 @21200 has 1 MA's), (Start: 150 @21212 has 1 MA's), (160, 21227), (181, 21263), (215, 21356), (236, 21407), (249, 21464), (250, 21467), (257, 21485), (262, 21497), (263, 21500), (264, 21503), (332, 21680), (338, 21701), (341, 21707), (420, 21863), (436, 21899), (452, 21923), (462, 21944),

Gene: Mellie_24 Start: 20913, Stop: 21716, Start Num: 117

Candidate Starts for Mellie_24:

(Start: 117 @20913 has 33 MA's), (Start: 142 @20961 has 1 MA's), (Start: 150 @20973 has 1 MA's), (160, 20988), (215, 21117), (221, 21129), (236, 21168), (246, 21216), (249, 21225), (250, 21228), (257, 21246), (262, 21258), (263, 21261), (264, 21264), (332, 21441), (338, 21462), (341, 21468), (436, 21660), (452, 21684), (462, 21705),

Gene: MichaelScott_25 Start: 21603, Stop: 22391, Start Num: 125

Candidate Starts for MichaelScott_25:

(Start: 117 @21591 has 33 MA's), (Start: 125 @21603 has 93 MA's), (Start: 130 @21615 has 62 MA's), (131, 21618), (Start: 142 @21645 has 1 MA's), (Start: 150 @21657 has 1 MA's), (181, 21708), (215, 21801), (234, 21846), (235, 21849), (236, 21852), (250, 21912), (257, 21930), (262, 21942), (263, 21945), (264, 21948), (304, 22038), (332, 22125), (436, 22347), (452, 22371),

Gene: Mima20_85 Start: 58476, Stop: 59327, Start Num: 124

Candidate Starts for Mima20_85:

(51, 58299), (61, 58326), (63, 58335), (67, 58350), (Start: 72 @58359 has 1 MA's), (109, 58452), (110, 58455), (Start: 124 @58476 has 35 MA's), (128, 58485), (137, 58506), (152, 58548), (155, 58554), (216, 58701), (218, 58704), (234, 58740), (238, 58752), (245, 58791), (256, 58821), (257, 58824), (262, 58836), (314, 58971), (334, 59037), (336, 59046), (347, 59076), (363, 59103), (375, 59127), (397, 59181), (419, 59226), (423, 59238), (441, 59277), (456, 59304),

Gene: MintFen_25 Start: 21152, Stop: 21955, Start Num: 117

Candidate Starts for MintFen_25:

(Start: 117 @21152 has 33 MA's), (Start: 142 @21200 has 1 MA's), (Start: 150 @21212 has 1 MA's), (160, 21227), (181, 21263), (215, 21356), (236, 21407), (249, 21464), (250, 21467), (257, 21485),

(262, 21497), (263, 21500), (264, 21503), (332, 21680), (338, 21701), (341, 21707), (420, 21863), (436, 21899), (452, 21923), (462, 21944),

Gene: MissRona_27 Start: 21464, Stop: 22264, Start Num: 117

Candidate Starts for MissRona_27:

(53, 21314), (Start: 117 @21464 has 33 MA's), (Start: 142 @21512 has 1 MA's), (Start: 150 @21524 has 1 MA's), (181, 21575), (215, 21668), (236, 21719), (249, 21776), (250, 21779), (257, 21797), (262, 21809), (263, 21812), (264, 21815), (332, 21992), (338, 22013), (341, 22019), (362, 22055), (416, 22160), (420, 22175), (421, 22178), (436, 22211), (452, 22235),

Gene: ModicumRichard_33 Start: 27844, Stop: 28596, Start Num: 127

Candidate Starts for ModicumRichard_33:

(Start: 127 @27844 has 22 MA's), (Start: 150 @27895 has 1 MA's), (236, 28072), (271, 28171), (308, 28231), (332, 28309), (362, 28372), (395, 28435), (403, 28462), (452, 28564),

Gene: MoiGyank_89 Start: 59075, Stop: 59926, Start Num: 124

Candidate Starts for MoiGyank_89:

(109, 59051), (110, 59054), (Start: 124 @59075 has 35 MA's), (128, 59084), (137, 59105), (152, 59147), (155, 59153), (177, 59198), (218, 59303), (223, 59312), (234, 59339), (238, 59351), (245, 59390), (314, 59570), (334, 59636), (336, 59645), (347, 59675), (363, 59702), (375, 59726), (397, 59780), (419, 59825), (423, 59837), (456, 59903),

Gene: MoontowerMania_45 Start: 40419, Stop: 41153, Start Num: 119

Candidate Starts for MoontowerMania_45:

(58, 40272), (84, 40362), (Start: 119 @40419 has 55 MA's), (Start: 130 @40437 has 62 MA's), (181, 40524), (191, 40551), (210, 40599), (217, 40617), (236, 40659), (261, 40737), (285, 40779), (298, 40812), (345, 40947), (369, 40986), (419, 41085), (429, 41112), (448, 41145),

Gene: Morgana_33 Start: 27600, Stop: 28349, Start Num: 127

Candidate Starts for Morgana_33:

(19, 27204), (Start: 127 @27600 has 22 MA's), (Start: 150 @27651 has 1 MA's), (236, 27828), (262, 27909), (271, 27927), (308, 27984), (322, 28032), (332, 28062), (362, 28125), (395, 28188), (403, 28215), (452, 28317),

Gene: Mossy_31 Start: 23518, Stop: 24303, Start Num: 130

Candidate Starts for Mossy_31:

(Start: 130 @23518 has 62 MA's), (193, 23659), (246, 23806), (257, 23833), (263, 23848), (296, 23932), (323, 24010), (332, 24037), (333, 24040), (375, 24115), (390, 24145),

Gene: MunkgeeRoachy_43 Start: 33256, Stop: 32417, Start Num: 125

Candidate Starts for MunkgeeRoachy_43:

(83, 33316), (Start: 125 @33256 has 93 MA's), (Start: 150 @33196 has 1 MA's), (165, 33166), (169, 33160), (205, 33079), (241, 32971), (251, 32938), (263, 32911), (364, 32647), (409, 32554), (449, 32467),

Gene: Murp_26 Start: 21420, Stop: 22214, Start Num: 117

Candidate Starts for Murp_26:

(24, 21117), (37, 21204), (53, 21270), (Start: 117 @21420 has 33 MA's), (Start: 142 @21468 has 1 MA's), (Start: 150 @21480 has 1 MA's), (181, 21531), (215, 21624), (236, 21675), (246, 21723), (249, 21732), (250, 21735), (257, 21753), (262, 21765), (263, 21768), (264, 21771), (280, 21804), (332, 21948), (338, 21969), (436, 22167), (452, 22191),

Gene: Mutzi_43 Start: 37151, Stop: 37906, Start Num: 120

Candidate Starts for Mutzi_43:

(98, 37115), (110, 37136), (Start: 120 @37151 has 37 MA's), (151, 37223), (181, 37259), (207, 37331), (241, 37412), (301, 37526), (304, 37532), (314, 37559), (329, 37607), (378, 37709), (410, 37784), (414, 37793), (451, 37865), (455, 37871),

Gene: Mysticmoon_29 Start: 22127, Stop: 22912, Start Num: 130

Candidate Starts for Mysticmoon_29:

(102, 22082), (Start: 130 @22127 has 62 MA's), (148, 22172), (193, 22268), (246, 22415), (252, 22433), (257, 22442), (263, 22457), (296, 22541), (314, 22589), (333, 22649), (375, 22724),

Gene: Nadmeg_31 Start: 23523, Stop: 24311, Start Num: 130

Candidate Starts for Nadmeg_31:

(Start: 130 @23523 has 62 MA's), (148, 23568), (163, 23598), (168, 23610), (193, 23664), (194, 23670), (213, 23715), (246, 23811), (252, 23829), (261, 23847), (263, 23853), (332, 24042), (333, 24045), (346, 24081), (375, 24120), (389, 24147), (444, 24267),

Gene: Natkenzie_46 Start: 40683, Stop: 41405, Start Num: 122

Candidate Starts for Natkenzie_46:

(40, 40467), (71, 40572), (Start: 122 @40683 has 19 MA's), (181, 40788), (185, 40797), (210, 40848), (217, 40866), (236, 40908), (257, 40974), (259, 40980), (262, 40986), (295, 41052), (332, 41151), (419, 41325), (427, 41346), (432, 41361),

Gene: Neville_115 Start: 65621, Stop: 66349, Start Num: 120

Candidate Starts for Neville_115:

(Start: 120 @65621 has 37 MA's), (145, 65675), (148, 65681), (Start: 150 @65687 has 1 MA's), (174, 65729), (190, 65765), (213, 65819), (261, 65927), (269, 65951), (304, 66023), (345, 66143), (373, 66179), (380, 66188), (390, 66203), (460, 66338),

Gene: Nibbles_41 Start: 32902, Stop: 32144, Start Num: 125

Candidate Starts for Nibbles_41:

(66, 33016), (110, 32917), (Start: 125 @32902 has 93 MA's), (Start: 142 @32863 has 1 MA's), (Start: 150 @32845 has 1 MA's), (169, 32809), (181, 32794), (189, 32770), (202, 32734), (210, 32710), (234, 32656), (271, 32551), (285, 32530), (317, 32470), (338, 32392), (364, 32347), (395, 32302), (446, 32188), (454, 32173),

Gene: Nina_44 Start: 34031, Stop: 33192, Start Num: 125

Candidate Starts for Nina_44:

(22, 34352), (25, 34328), (36, 34259), (43, 34238), (52, 34193), (83, 34091), (Start: 125 @34031 has 93 MA's), (Start: 150 @33971 has 1 MA's), (165, 33941), (169, 33935), (205, 33854), (241, 33746), (251, 33713), (263, 33686), (364, 33422), (446, 33251), (449, 33242),

Gene: Nithya_30 Start: 22307, Stop: 23095, Start Num: 130

Candidate Starts for Nithya_30:

(Start: 130 @22307 has 62 MA's), (148, 22352), (163, 22382), (168, 22394), (193, 22448), (246, 22595), (261, 22631), (263, 22637), (332, 22826), (333, 22829), (358, 22886), (375, 22904), (389, 22931), (444, 23051),

Gene: NoPickles_27 Start: 19073, Stop: 19858, Start Num: 130

Candidate Starts for NoPickles_27:

(Start: 130 @19073 has 62 MA's), (148, 19118), (193, 19214), (194, 19220), (245, 19358), (258, 19391), (263, 19403), (332, 19592), (333, 19595), (375, 19670), (444, 19817),

Gene: Nodigi_53 Start: 36539, Stop: 35688, Start Num: 89

Candidate Starts for Nodigi_53:

(15, 36941), (84, 36554), (Start: 89 @36539 has 9 MA's), (104, 36515), (139, 36461), (144, 36449), (176, 36392), (181, 36386), (190, 36359), (231, 36260), (232, 36257), (237, 36236), (238, 36233), (256, 36164), (264, 36146), (274, 36122), (277, 36113), (287, 36095), (305, 36050), (334, 35960), (337, 35948), (368, 35888), (377, 35870), (456, 35711), (460, 35702),

Gene: NorManre_91 Start: 59988, Stop: 60839, Start Num: 124

Candidate Starts for NorManre_91:

(109, 59964), (110, 59967), (Start: 124 @59988 has 35 MA's), (128, 59997), (137, 60018), (152, 60060), (155, 60066), (177, 60111), (218, 60216), (223, 60225), (234, 60252), (238, 60264), (245, 60303), (314, 60483), (336, 60558), (347, 60588), (374, 60636), (375, 60639), (397, 60693), (419, 60738), (423, 60750), (456, 60816),

Gene: Nordenberg_40 Start: 39404, Stop: 40138, Start Num: 119

Candidate Starts for Nordenberg_40:

(58, 39257), (84, 39347), (Start: 119 @39404 has 55 MA's), (Start: 130 @39422 has 62 MA's), (181, 39509), (191, 39536), (210, 39584), (217, 39602), (236, 39644), (261, 39722), (285, 39764), (298, 39797), (345, 39932), (369, 39971), (419, 40070), (429, 40097), (448, 40130),

Gene: NovaSharks_86 Start: 56889, Stop: 57740, Start Num: 124

Candidate Starts for NovaSharks_86:

(109, 56865), (110, 56868), (Start: 124 @56889 has 35 MA's), (Start: 132 @56910 has 4 MA's), (137, 56919), (152, 56961), (155, 56967), (177, 57012), (216, 57114), (218, 57117), (234, 57153), (238, 57165), (245, 57204), (256, 57234), (257, 57237), (262, 57249), (263, 57252), (314, 57384), (334, 57450), (336, 57459), (347, 57489), (363, 57516), (374, 57537), (397, 57594), (419, 57639), (456, 57717),

Gene: Nubi_44 Start: 36296, Stop: 37051, Start Num: 120

Candidate Starts for Nubi_44:

(98, 36260), (110, 36281), (Start: 120 @36296 has 37 MA's), (151, 36368), (181, 36404), (207, 36476), (241, 36557), (301, 36671), (304, 36677), (314, 36704), (329, 36752), (378, 36854), (414, 36938), (451, 37010),

Gene: ObLaDi_33 Start: 27823, Stop: 28575, Start Num: 127

Candidate Starts for ObLaDi_33:

(Start: 127 @27823 has 22 MA's), (Start: 150 @27874 has 1 MA's), (236, 28051), (271, 28150), (308, 28210), (332, 28288), (362, 28351), (395, 28414), (403, 28441), (452, 28543),

Gene: Obliviate_25 Start: 21074, Stop: 21871, Start Num: 115

Candidate Starts for Obliviate_25:

(18, 20681), (28, 20810), (48, 20921), (59, 20948), (70, 20984), (Start: 115 @21074 has 6 MA's), (Start: 150 @21128 has 1 MA's), (160, 21143), (181, 21179), (215, 21272), (221, 21284), (235, 21320), (236, 21323), (246, 21371), (249, 21380), (250, 21383), (257, 21401), (262, 21413), (263, 21416), (264, 21419), (322, 21566), (332, 21596), (338, 21617), (341, 21623), (345, 21632), (436, 21815), (452, 21839), (462, 21860),

Gene: Octobien14_115 Start: 63857, Stop: 64579, Start Num: 125

Candidate Starts for Octobien14_115:

(76, 63755), (97, 63815), (Start: 125 @63857 has 93 MA's), (145, 63905), (230, 64067), (236, 64079), (317, 64289), (334, 64346), (345, 64376), (360, 64391), (405, 64463), (411, 64478), (455, 64562), (456, 64565),

Gene: Odesza_27 Start: 19428, Stop: 20213, Start Num: 130

Candidate Starts for Odesza_27:

(Start: 130 @19428 has 62 MA's), (Start: 138 @19443 has 1 MA's), (157, 19491), (173, 19524), (193, 19569), (194, 19575), (245, 19713), (258, 19746), (263, 19758), (332, 19947), (333, 19950), (375, 20025), (389, 20052), (444, 20172),

Gene: OhMyWard_30 Start: 22858, Stop: 23643, Start Num: 130

Candidate Starts for OhMyWard_30:

(Start: 130 @22858 has 62 MA's), (193, 22999), (246, 23146), (257, 23173), (263, 23188), (296, 23272), (332, 23377), (333, 23380), (375, 23455), (390, 23485),

Gene: OlgasClover_30 Start: 23043, Stop: 23831, Start Num: 130

Candidate Starts for OlgasClover_30:

(Start: 130 @23043 has 62 MA's), (148, 23088), (163, 23118), (168, 23130), (193, 23184), (245, 23328), (246, 23331), (257, 23358), (263, 23373), (296, 23457), (332, 23562), (333, 23565), (375, 23640),

Gene: Orchid_39 Start: 40829, Stop: 41551, Start Num: 135

Candidate Starts for Orchid_39:

(Start: 135 @40829 has 5 MA's), (157, 40883), (202, 40976), (236, 41057), (242, 41090), (276, 41168), (335, 41330), (383, 41390), (432, 41504),

Gene: Oregano_25 Start: 21268, Stop: 22056, Start Num: 125

Candidate Starts for Oregano_25:

(Start: 117 @21256 has 33 MA's), (Start: 125 @21268 has 93 MA's), (Start: 130 @21280 has 62 MA's), (131, 21283), (Start: 142 @21310 has 1 MA's), (Start: 150 @21322 has 1 MA's), (181, 21373), (215, 21466), (234, 21511), (235, 21514), (236, 21517), (237, 21520), (250, 21577), (257, 21595), (262, 21607), (263, 21610), (264, 21613), (304, 21703), (332, 21790), (416, 21958), (436, 22012), (452, 22036),

Gene: Orla_53 Start: 36447, Stop: 35596, Start Num: 89

Candidate Starts for Orla_53:

(15, 36849), (30, 36684), (84, 36462), (Start: 89 @36447 has 9 MA's), (104, 36423), (139, 36369), (144, 36357), (176, 36300), (181, 36294), (190, 36267), (231, 36168), (232, 36165), (237, 36144), (238, 36141), (241, 36117), (256, 36072), (263, 36057), (264, 36054), (274, 36030), (287, 36003), (305, 35958), (334, 35868), (337, 35856), (368, 35796), (377, 35778), (456, 35619), (460, 35610),

Gene: OtterstedtS21_87 Start: 58792, Stop: 59643, Start Num: 124

Candidate Starts for OtterstedtS21_87:

(109, 58768), (110, 58771), (Start: 124 @58792 has 35 MA's), (128, 58801), (137, 58822), (152, 58864), (155, 58870), (177, 58915), (218, 59020), (234, 59056), (238, 59068), (245, 59107), (314, 59287), (334, 59353), (336, 59362), (347, 59392), (363, 59419), (375, 59443), (397, 59497), (419, 59542), (423, 59554), (456, 59620),

Gene: Paries_48 Start: 40873, Stop: 41607, Start Num: 119

Candidate Starts for Paries_48:

(58, 40726), (84, 40816), (Start: 119 @40873 has 55 MA's), (Start: 130 @40891 has 62 MA's), (181, 40978), (191, 41005), (210, 41053), (217, 41071), (236, 41113), (261, 41191), (285, 41233), (298, 41266), (345, 41401), (369, 41440), (419, 41539), (429, 41566), (448, 41599),

Gene: ParvusTarda_86 Start: 58065, Stop: 58916, Start Num: 124

Candidate Starts for ParvusTarda_86:

(51, 57888), (61, 57915), (63, 57924), (67, 57939), (Start: 72 @57948 has 1 MA's), (109, 58041), (110, 58044), (Start: 124 @58065 has 35 MA's), (128, 58074), (137, 58095), (152, 58137), (155, 58143),

(177, 58188), (216, 58290), (218, 58293), (234, 58329), (238, 58341), (256, 58410), (257, 58413), (262, 58425), (314, 58560), (334, 58626), (336, 58635), (347, 58665), (374, 58713), (375, 58716), (397, 58770), (419, 58815), (423, 58827), (456, 58893),

Gene: Patos_91 Start: 59987, Stop: 60838, Start Num: 124

Candidate Starts for Patos_91:

(109, 59963), (110, 59966), (Start: 124 @59987 has 35 MA's), (128, 59996), (137, 60017), (152, 60059), (155, 60065), (177, 60110), (218, 60215), (223, 60224), (234, 60251), (238, 60263), (245, 60302), (314, 60482), (336, 60557), (347, 60587), (374, 60635), (375, 60638), (397, 60692), (419, 60737), (423, 60749), (456, 60815),

Gene: PatrickStar_40 Start: 40828, Stop: 41550, Start Num: 135

Candidate Starts for PatrickStar_40:

(Start: 135 @40828 has 5 MA's), (157, 40882), (202, 40975), (236, 41056), (242, 41089), (276, 41167), (335, 41329), (383, 41389), (432, 41503),

Gene: Pepy6_033 Start: 28827, Stop: 29618, Start Num: 130

Candidate Starts for Pepy6_033:

(Start: 125 @28815 has 93 MA's), (Start: 130 @28827 has 62 MA's), (193, 28968), (241, 29103), (245, 29118), (264, 29166), (308, 29277), (330, 29343), (333, 29355), (358, 29412), (411, 29511), (435, 29565),

Gene: Perkunas_29 Start: 19840, Stop: 20625, Start Num: 130

Candidate Starts for Perkunas_29:

(Start: 130 @19840 has 62 MA's), (Start: 138 @19855 has 1 MA's), (171, 19933), (193, 19981), (194, 19987), (245, 20125), (263, 20170), (332, 20359), (333, 20362), (375, 20437), (389, 20464),

Gene: PerroGrande22_37 Start: 30153, Stop: 30944, Start Num: 130

Candidate Starts for PerroGrande22_37:

(Start: 130 @30153 has 62 MA's), (193, 30294), (213, 30345), (245, 30444), (264, 30492), (308, 30603), (333, 30681), (358, 30738), (390, 30786), (435, 30891),

Gene: PestoPenguin_33 Start: 22097, Stop: 22885, Start Num: 130

Candidate Starts for PestoPenguin_33:

(Start: 130 @22097 has 62 MA's), (148, 22142), (168, 22184), (193, 22238), (263, 22427), (332, 22616), (333, 22619), (375, 22694), (444, 22841),

Gene: Petite_29 Start: 20607, Stop: 21392, Start Num: 130

Candidate Starts for Petite_29:

(Start: 130 @20607 has 62 MA's), (148, 20652), (186, 20730), (193, 20748), (194, 20754), (196, 20757), (245, 20892), (258, 20925), (263, 20937), (332, 21126), (333, 21129), (375, 21204), (389, 21231), (444, 21351),

Gene: Petra_27 Start: 21152, Stop: 21940, Start Num: 123

Candidate Starts for Petra_27:

(44, 20948), (69, 21032), (77, 21053), (Start: 123 @21152 has 6 MA's), (Start: 130 @21164 has 62 MA's), (131, 21167), (Start: 142 @21194 has 1 MA's), (Start: 150 @21206 has 1 MA's), (160, 21221), (215, 21350), (221, 21362), (236, 21401), (246, 21449), (250, 21461), (262, 21491), (263, 21494), (264, 21497), (332, 21674), (338, 21695), (341, 21701), (345, 21710), (436, 21893), (452, 21917),

Gene: Phauci_37 Start: 35913, Stop: 36635, Start Num: 121

Candidate Starts for Phauci_37:

(Start: 121 @35913 has 8 MA's), (131, 35928), (172, 36006), (181, 36018), (210, 36078), (256, 36201), (300, 36294), (302, 36300), (320, 36348), (332, 36387), (369, 36462), (419, 36561), (434, 36600), (447, 36621),

Gene: Phepper_30 Start: 22090, Stop: 22878, Start Num: 130

Candidate Starts for Phepper_30:

(Start: 130 @22090 has 62 MA's), (163, 22165), (168, 22177), (193, 22231), (194, 22237), (213, 22282), (227, 22312), (246, 22378), (252, 22396), (258, 22408), (261, 22414), (263, 22420), (332, 22609), (333, 22612), (375, 22687), (444, 22834),

Gene: Pherobrine_29 Start: 22125, Stop: 22910, Start Num: 130

Candidate Starts for Pherobrine_29:

(102, 22080), (Start: 130 @22125 has 62 MA's), (148, 22170), (193, 22266), (246, 22413), (252, 22431), (257, 22440), (263, 22455), (296, 22539), (314, 22587), (333, 22647), (375, 22722),

Gene: Phinally_44 Start: 39060, Stop: 39779, Start Num: 121

Candidate Starts for Phinally_44:

(Start: 121 @39060 has 8 MA's), (131, 39075), (Start: 150 @39114 has 1 MA's), (172, 39153), (181, 39165), (198, 39204), (210, 39225), (302, 39444), (308, 39453), (314, 39471), (320, 39492), (332, 39531), (369, 39606), (419, 39705), (434, 39744), (447, 39765),

Gene: Phlop_43 Start: 36377, Stop: 37132, Start Num: 120

Candidate Starts for Phlop_43:

(110, 36362), (Start: 120 @36377 has 37 MA's), (151, 36449), (181, 36485), (207, 36557), (301, 36752), (304, 36758), (314, 36785), (329, 36833), (378, 36935), (414, 37019), (451, 37091),

Gene: PhriskyACE_24 Start: 20685, Stop: 21473, Start Num: 123

Candidate Starts for PhriskyACE_24:

(56, 20526), (Start: 117 @20676 has 33 MA's), (Start: 123 @20685 has 6 MA's), (Start: 130 @20697 has 62 MA's), (131, 20700), (Start: 142 @20727 has 1 MA's), (Start: 150 @20739 has 1 MA's), (181, 20790), (215, 20883), (234, 20928), (235, 20931), (236, 20934), (237, 20937), (250, 20994), (257, 21012), (263, 21027), (264, 21030), (299, 21108), (304, 21120), (314, 21147), (332, 21207), (345, 21243), (416, 21375), (421, 21393), (436, 21429), (458, 21465),

Gene: PhrostedPhlake_27 Start: 21845, Stop: 22648, Start Num: 117

Candidate Starts for PhrostedPhlake_27:

(Start: 117 @21845 has 33 MA's), (Start: 142 @21893 has 1 MA's), (Start: 150 @21905 has 1 MA's), (160, 21920), (181, 21956), (215, 22049), (236, 22100), (249, 22157), (250, 22160), (257, 22178), (262, 22190), (263, 22193), (264, 22196), (332, 22373), (338, 22394), (341, 22400), (420, 22556), (436, 22592), (452, 22616), (462, 22637),

Gene: PinkCoffee_46 Start: 36480, Stop: 37235, Start Num: 120

Candidate Starts for PinkCoffee_46:

(110, 36465), (Start: 120 @36480 has 37 MA's), (151, 36552), (181, 36588), (207, 36660), (301, 36855), (304, 36861), (314, 36888), (329, 36936), (378, 37038), (414, 37122), (451, 37194),

Gene: Pipp_25 Start: 21146, Stop: 21946, Start Num: 117

Candidate Starts for Pipp_25:

(Start: 117 @21146 has 33 MA's), (Start: 142 @21194 has 1 MA's), (Start: 150 @21206 has 1 MA's), (181, 21257), (215, 21350), (236, 21401), (249, 21458), (250, 21461), (257, 21479), (262, 21491), (263, 21494), (264, 21497), (325, 21650), (332, 21674), (338, 21695), (436, 21893), (452, 21917), (462, 21935),

Gene: Poco6_034 Start: 30846, Stop: 31637, Start Num: 130

Candidate Starts for Poco6_034:

(Start: 130 @30846 has 62 MA's), (193, 30987), (213, 31038), (245, 31137), (264, 31185), (308, 31296), (333, 31374), (358, 31431), (390, 31479), (435, 31584),

Gene: Pons_48 Start: 35462, Stop: 34665, Start Num: 125

Candidate Starts for Pons_48:

(83, 35522), (Start: 125 @35462 has 93 MA's), (161, 35390), (173, 35369), (190, 35318), (210, 35261), (235, 35207), (243, 35168), (252, 35147), (317, 35003), (328, 34970), (371, 34865), (409, 34787), (439, 34718), (454, 34694), (460, 34679), (466, 34670),

Gene: Portcullis_45 Start: 35691, Stop: 36446, Start Num: 120

Candidate Starts for Portcullis_45:

(74, 35595), (Start: 120 @35691 has 37 MA's), (151, 35763), (181, 35799), (207, 35871), (301, 36066), (304, 36072), (314, 36099), (378, 36249), (414, 36333), (451, 36405),

Gene: PotPie_46 Start: 36143, Stop: 35340, Start Num: 125

Candidate Starts for PotPie_46:

(83, 36203), (Start: 125 @36143 has 93 MA's), (210, 35936), (235, 35882), (239, 35861), (243, 35843), (245, 35834), (252, 35822), (259, 35807), (312, 35696), (317, 35678), (328, 35645), (370, 35543), (398, 35483), (409, 35462), (439, 35393), (460, 35354), (466, 35345),

Gene: PsychoKiller_44 Start: 33794, Stop: 32955, Start Num: 125

Candidate Starts for PsychoKiller_44:

(22, 34115), (25, 34091), (27, 34088), (43, 34001), (52, 33956), (83, 33854), (Start: 125 @33794 has 93 MA's), (Start: 150 @33734 has 1 MA's), (165, 33704), (169, 33698), (205, 33617), (241, 33509), (251, 33476), (263, 33449), (364, 33185), (446, 33014), (449, 33005),

Gene: PullumCavea_43 Start: 36377, Stop: 37132, Start Num: 120

Candidate Starts for PullumCavea_43:

(110, 36362), (Start: 120 @36377 has 37 MA's), (151, 36449), (181, 36485), (207, 36557), (301, 36752), (304, 36758), (314, 36785), (329, 36833), (378, 36935), (414, 37019), (451, 37091),

Gene: Pumpkiney_47 Start: 38004, Stop: 38729, Start Num: 122

Candidate Starts for Pumpkiney_47:

(40, 37788), (60, 37857), (71, 37893), (80, 37920), (Start: 122 @38004 has 19 MA's), (181, 38109), (210, 38169), (217, 38187), (236, 38229), (252, 38286), (262, 38310), (295, 38376), (332, 38475), (345, 38511), (362, 38538), (419, 38649), (432, 38685),

Gene: Pupper_177 Start: 129600, Stop: 130310, Start Num: 127

Candidate Starts for Pupper_177:

(Start: 127 @129600 has 22 MA's), (131, 129612), (149, 129651), (176, 129702), (209, 129786), (226, 129819), (234, 129837), (268, 129942), (270, 129945), (306, 130035), (314, 130059), (331, 130116), (355, 130164), (379, 130203), (414, 130275),

Gene: Puppies_35 Start: 26921, Stop: 27625, Start Num: 127

Candidate Starts for Puppies_35:

(114, 26903), (Start: 127 @26921 has 22 MA's), (131, 26933), (160, 26987), (174, 27017), (206, 27086), (211, 27104), (264, 27239), (314, 27365), (323, 27398), (330, 27416), (340, 27449), (393, 27527), (414, 27578),

Gene: Pywacket_83 Start: 58931, Stop: 59782, Start Num: 124

Candidate Starts for Pywacket_83:

(109, 58907), (110, 58910), (Start: 124 @58931 has 35 MA's), (128, 58940), (137, 58961), (152, 59003), (155, 59009), (218, 59159), (223, 59168), (234, 59195), (238, 59207), (245, 59246), (314, 59426), (334, 59492), (336, 59501), (347, 59531), (363, 59558), (375, 59582), (397, 59636), (419, 59681), (423, 59693), (456, 59759),

Gene: Quasar_45 Start: 34456, Stop: 33617, Start Num: 125

Candidate Starts for Quasar_45:

(22, 34777), (25, 34753), (43, 34663), (52, 34618), (83, 34516), (Start: 125 @34456 has 93 MA's), (Start: 150 @34396 has 1 MA's), (169, 34360), (205, 34279), (241, 34171), (251, 34138), (263, 34111), (364, 33847), (446, 33676), (449, 33667),

Gene: RADical_46 Start: 33788, Stop: 32949, Start Num: 125

Candidate Starts for RADical_46:

(22, 34109), (25, 34085), (27, 34082), (34, 34037), (43, 33995), (52, 33950), (83, 33848), (Start: 125 @33788 has 93 MA's), (Start: 150 @33728 has 1 MA's), (165, 33698), (169, 33692), (205, 33611), (241, 33503), (251, 33470), (263, 33443), (364, 33179), (446, 33008), (449, 32999),

Gene: RSchmailzl_46 Start: 33944, Stop: 33105, Start Num: 125

Candidate Starts for RSchmailzl_46:

(22, 34265), (25, 34241), (27, 34238), (43, 34151), (52, 34106), (83, 34004), (Start: 125 @33944 has 93 MA's), (Start: 150 @33884 has 1 MA's), (169, 33848), (205, 33767), (241, 33659), (251, 33626), (263, 33599), (364, 33335), (446, 33164), (449, 33155),

Gene: Rabbitrun_118 Start: 66939, Stop: 67664, Start Num: 120

Candidate Starts for Rabbitrun_118:

(Start: 120 @66939 has 37 MA's), (148, 66999), (174, 67047), (190, 67083), (213, 67137), (242, 67200), (261, 67242), (269, 67266), (272, 67272), (303, 67341), (304, 67344), (345, 67464), (390, 67524), (460, 67656),

Gene: Ranch_90 Start: 58464, Stop: 59315, Start Num: 124

Candidate Starts for Ranch_90:

(51, 58287), (61, 58314), (63, 58323), (67, 58338), (Start: 72 @58347 has 1 MA's), (109, 58440), (110, 58443), (Start: 124 @58464 has 35 MA's), (128, 58473), (137, 58494), (152, 58536), (155, 58542), (218, 58692), (223, 58701), (234, 58728), (238, 58740), (245, 58779), (256, 58809), (257, 58812), (262, 58824), (314, 58959), (336, 59034), (347, 59064), (365, 59094), (374, 59112), (375, 59115), (397, 59169), (419, 59214), (456, 59292),

Gene: RanchParmCat_50 Start: 35272, Stop: 34418, Start Num: 89

Candidate Starts for RanchParmCat_50:

(30, 35509), (55, 35386), (84, 35287), (Start: 89 @35272 has 9 MA's), (101, 35254), (133, 35206), (139, 35194), (176, 35125), (181, 35119), (190, 35092), (195, 35074), (224, 35005), (231, 34993), (232, 34990), (241, 34942), (256, 34897), (305, 34786), (311, 34771), (322, 34732), (334, 34696), (337, 34684), (368, 34624), (370, 34621), (435, 34480), (448, 34459),

Gene: RazorC_84 Start: 56931, Stop: 57782, Start Num: 124

Candidate Starts for RazorC_84:

(61, 56781), (63, 56790), (67, 56805), (Start: 72 @56814 has 1 MA's), (109, 56907), (110, 56910), (Start: 124 @56931 has 35 MA's), (Start: 132 @56952 has 4 MA's), (137, 56961), (152, 57003), (155, 57009), (177, 57054), (216, 57156), (218, 57159), (234, 57195), (238, 57207), (245, 57246), (256, 57276), (257, 57279), (262, 57291), (263, 57294), (314, 57426), (334, 57492), (336, 57501), (347, 57531), (363, 57558), (374, 57579), (397, 57636), (419, 57681), (456, 57759),

Gene: RedBaron_49 Start: 34123, Stop: 33284, Start Num: 125

Candidate Starts for RedBaron_49:

(22, 34444), (25, 34420), (27, 34417), (34, 34372), (43, 34330), (52, 34285), (83, 34183), (Start: 125 @34123 has 93 MA's), (Start: 150 @34063 has 1 MA's), (165, 34033), (169, 34027), (205, 33946), (241, 33838), (251, 33805), (263, 33778), (364, 33514), (446, 33343), (449, 33334),

Gene: Reyja_51 Start: 33537, Stop: 34391, Start Num: 122

Candidate Starts for Reyja_51:

(Start: 122 @33537 has 19 MA's), (195, 33720), (266, 33918), (282, 33951), (308, 34044), (332, 34122), (382, 34233), (387, 34236), (390, 34242), (401, 34278), (414, 34305), (450, 34380),

Gene: Reynauld_61 Start: 54042, Stop: 53173, Start Num: 122

Candidate Starts for Reynauld_61:

(Start: 122 @54042 has 19 MA's), (134, 54015), (154, 53964), (157, 53958), (210, 53832), (250, 53715), (260, 53682), (273, 53643), (304, 53553), (332, 53466), (367, 53388), (387, 53355), (411, 53295), (418, 53274), (433, 53235), (437, 53226), (463, 53178),

Gene: Ribeye_46 Start: 40481, Stop: 41224, Start Num: 119

Candidate Starts for Ribeye_46:

(Start: 119 @40481 has 55 MA's), (Start: 130 @40499 has 62 MA's), (151, 40544), (181, 40589), (210, 40664), (217, 40682), (240, 40751), (285, 40844), (289, 40856), (345, 41012), (352, 41024), (369, 41051), (390, 41084), (398, 41111), (419, 41150), (429, 41177),

Gene: Rickmore_29 Start: 20743, Stop: 21531, Start Num: 130

Candidate Starts for Rickmore_29:

(Start: 130 @20743 has 62 MA's), (187, 20869), (193, 20884), (246, 21031), (263, 21073), (310, 21193), (333, 21265), (444, 21487),

Gene: Riduram_83 Start: 56506, Stop: 57357, Start Num: 124

Candidate Starts for Riduram_83:

(109, 56482), (110, 56485), (Start: 124 @56506 has 35 MA's), (Start: 132 @56527 has 4 MA's), (137, 56536), (152, 56578), (155, 56584), (177, 56629), (216, 56731), (218, 56734), (234, 56770), (238, 56782), (245, 56821), (256, 56851), (257, 56854), (262, 56866), (314, 57001), (334, 57067), (336, 57076), (347, 57106), (363, 57133), (374, 57154), (397, 57211), (400, 57220), (419, 57256), (456, 57334),

Gene: RiverRaider_46 Start: 38597, Stop: 39352, Start Num: 119

Candidate Starts for RiverRaider_46:

(Start: 119 @38597 has 55 MA's), (Start: 130 @38615 has 62 MA's), (Start: 142 @38645 has 1 MA's), (181, 38702), (199, 38747), (210, 38777), (220, 38798), (236, 38837), (256, 38903), (285, 38957), (332, 39086), (352, 39140), (369, 39167), (429, 39293), (440, 39314),

Gene: Rizz_28 Start: 21603, Stop: 22391, Start Num: 125

Candidate Starts for Rizz_28:

(Start: 117 @21591 has 33 MA's), (Start: 125 @21603 has 93 MA's), (Start: 130 @21615 has 62 MA's), (131, 21618), (Start: 142 @21645 has 1 MA's), (Start: 150 @21657 has 1 MA's), (181, 21708), (215, 21801), (234, 21846), (235, 21849), (236, 21852), (250, 21912), (257, 21930), (262, 21942), (263, 21945), (264, 21948), (304, 22038), (332, 22125), (436, 22347), (452, 22371),

Gene: RoadKill_54 Start: 43158, Stop: 43937, Start Num: 125

Candidate Starts for RoadKill_54:

(55, 42996), (77, 43062), (82, 43077), (Start: 125 @43158 has 93 MA's), (134, 43179), (170, 43257), (181, 43272), (195, 43317), (236, 43407), (242, 43440), (286, 43533), (317, 43599), (337, 43668), (364, 43722), (464, 43923),

Gene: RobinSparkles_42 Start: 41471, Stop: 42193, Start Num: 135

Candidate Starts for RobinSparkles_42:

(Start: 135 @41471 has 5 MA's), (Start: 138 @41477 has 1 MA's), (Start: 150 @41513 has 1 MA's), (157, 41525), (202, 41618), (245, 41744), (257, 41762), (259, 41768), (276, 41810), (297, 41864), (301, 41876), (335, 41972), (383, 42032), (432, 42146),

Gene: Rofo_46 Start: 40199, Stop: 40933, Start Num: 119

Candidate Starts for Rofo_46:

(58, 40052), (84, 40142), (Start: 119 @40199 has 55 MA's), (Start: 130 @40217 has 62 MA's), (181, 40304), (191, 40331), (210, 40379), (217, 40397), (236, 40439), (261, 40517), (285, 40559), (298, 40592), (345, 40727), (369, 40766), (419, 40865), (429, 40892), (448, 40925),

Gene: RogerDodger_47 Start: 36520, Stop: 37275, Start Num: 120

Candidate Starts for RogerDodger_47:

(81, 36442), (Start: 120 @36520 has 37 MA's), (151, 36592), (181, 36628), (207, 36700), (301, 36895), (304, 36901), (314, 36928), (329, 36976), (378, 37078), (414, 37162), (451, 37234),

Gene: Roney_27 Start: 19428, Stop: 20213, Start Num: 130

Candidate Starts for Roney_27:

(Start: 130 @19428 has 62 MA's), (Start: 138 @19443 has 1 MA's), (157, 19491), (173, 19524), (193, 19569), (194, 19575), (245, 19713), (258, 19746), (263, 19758), (332, 19947), (333, 19950), (375, 20025), (389, 20052), (444, 20172),

Gene: Rota_85 Start: 58898, Stop: 59749, Start Num: 124

Candidate Starts for Rota_85:

(109, 58874), (110, 58877), (Start: 124 @58898 has 35 MA's), (128, 58907), (137, 58928), (152, 58970), (155, 58976), (177, 59021), (218, 59126), (223, 59135), (234, 59162), (238, 59174), (245, 59213), (256, 59243), (257, 59246), (262, 59258), (314, 59393), (334, 59459), (336, 59468), (347, 59498), (374, 59546), (375, 59549), (397, 59603), (419, 59648), (456, 59726),

Gene: Rukungu_87 Start: 59252, Stop: 60103, Start Num: 124

Candidate Starts for Rukungu_87:

(51, 59075), (61, 59102), (63, 59111), (67, 59126), (Start: 72 @59135 has 1 MA's), (109, 59228), (110, 59231), (Start: 124 @59252 has 35 MA's), (128, 59261), (137, 59282), (152, 59324), (155, 59330), (177, 59375), (218, 59480), (234, 59516), (238, 59528), (245, 59567), (256, 59597), (257, 59600), (262, 59612), (314, 59747), (334, 59813), (336, 59822), (347, 59852), (363, 59879), (375, 59903), (397, 59957), (419, 60002), (423, 60014), (456, 60080),

Gene: Rumi_85 Start: 56474, Stop: 57325, Start Num: 124

Candidate Starts for Rumi_85:

(61, 56324), (63, 56333), (67, 56348), (Start: 72 @56357 has 1 MA's), (109, 56450), (110, 56453), (Start: 124 @56474 has 35 MA's), (128, 56483), (Start: 132 @56495 has 4 MA's), (137, 56504), (152, 56546), (155, 56552), (177, 56597), (216, 56699), (218, 56702), (234, 56738), (238, 56750), (245, 56789), (256, 56819), (257, 56822), (262, 56834), (263, 56837), (314, 56969), (334, 57035), (336, 57044), (347, 57074), (363, 57101), (374, 57122), (397, 57179), (419, 57224), (456, 57302),

Gene: Runhaar_30 Start: 22093, Stop: 22881, Start Num: 130

Candidate Starts for Runhaar_30:

(Start: 130 @22093 has 62 MA's), (163, 22168), (168, 22180), (193, 22234), (194, 22240), (213, 22285), (227, 22315), (246, 22381), (252, 22399), (258, 22411), (261, 22417), (263, 22423), (332, 22612), (333, 22615), (337, 22630), (375, 22690), (444, 22837),

Gene: Ruthy_29 Start: 24516, Stop: 25301, Start Num: 130

Candidate Starts for Ruthy_29:

(Start: 112 @24495 has 6 MA's), (Start: 118 @24504 has 2 MA's), (Start: 130 @24516 has 62 MA's), (131, 24519), (Start: 142 @24546 has 1 MA's), (Start: 150 @24558 has 1 MA's), (181, 24609), (236, 24753), (246, 24801), (250, 24813), (257, 24831), (262, 24843), (263, 24846), (264, 24849), (332, 25026), (338, 25047), (362, 25089), (416, 25194), (436, 25248), (452, 25272),

Gene: SCentae_176 Start: 129792, Stop: 130502, Start Num: 127

Candidate Starts for SCentae_176:

(Start: 127 @129792 has 22 MA's), (131, 129804), (149, 129843), (176, 129894), (209, 129978), (226, 130011), (234, 130029), (268, 130134), (270, 130137), (306, 130227), (314, 130251), (331, 130308), (355, 130356), (379, 130395), (414, 130467),

Gene: Sadboi_86 Start: 58752, Stop: 59600, Start Num: 124

Candidate Starts for Sadboi_86:

(109, 58728), (110, 58731), (116, 58740), (Start: 124 @58752 has 35 MA's), (128, 58761), (Start: 132 @58773 has 4 MA's), (137, 58782), (143, 58806), (152, 58824), (155, 58830), (182, 58881), (218, 58977), (223, 58986), (234, 59013), (238, 59025), (256, 59094), (257, 59097), (262, 59109), (314, 59244), (336, 59319), (347, 59349), (374, 59397), (375, 59400), (397, 59454), (419, 59499), (423, 59511), (456, 59577),

Gene: Salvador_43 Start: 36189, Stop: 36944, Start Num: 120

Candidate Starts for Salvador_43:

(74, 36093), (Start: 120 @36189 has 37 MA's), (151, 36261), (181, 36297), (207, 36369), (212, 36384), (301, 36564), (304, 36570), (314, 36597), (329, 36645), (378, 36747), (414, 36831), (451, 36903),

Gene: Samba_25 Start: 21230, Stop: 22033, Start Num: 117

Candidate Starts for Samba_25:

(Start: 117 @21230 has 33 MA's), (Start: 142 @21278 has 1 MA's), (Start: 150 @21290 has 1 MA's), (160, 21305), (215, 21434), (221, 21446), (236, 21485), (246, 21533), (250, 21545), (257, 21563), (262, 21575), (263, 21578), (264, 21581), (332, 21758), (338, 21779), (341, 21785), (420, 21941), (436, 21977), (452, 22001), (462, 22022),

Gene: Samman98_25 Start: 21237, Stop: 22025, Start Num: 125

Candidate Starts for Samman98_25:

(Start: 117 @21225 has 33 MA's), (Start: 125 @21237 has 93 MA's), (Start: 130 @21249 has 62 MA's), (131, 21252), (Start: 142 @21279 has 1 MA's), (Start: 150 @21291 has 1 MA's), (181, 21342), (215, 21435), (234, 21480), (235, 21483), (236, 21486), (237, 21489), (250, 21546), (257, 21564), (262, 21576), (263, 21579), (264, 21582), (304, 21672), (332, 21759), (345, 21795), (416, 21927), (421, 21945), (436, 21981), (458, 22017),

Gene: Sampson_46 Start: 40628, Stop: 41350, Start Num: 122

Candidate Starts for Sampson_46:

(40, 40412), (71, 40517), (Start: 122 @40628 has 19 MA's), (181, 40733), (185, 40742), (210, 40793), (217, 40811), (236, 40853), (257, 40919), (259, 40925), (262, 40931), (295, 40997), (332, 41096), (419, 41270), (427, 41291), (432, 41306),

Gene: Sampudon_88 Start: 59669, Stop: 60520, Start Num: 124

Candidate Starts for Sampudon_88:

(109, 59645), (110, 59648), (Start: 124 @59669 has 35 MA's), (128, 59678), (137, 59699), (152, 59741), (155, 59747), (177, 59792), (218, 59897), (223, 59906), (234, 59933), (238, 59945), (245, 59984), (314, 60164), (334, 60230), (336, 60239), (347, 60269), (363, 60296), (375, 60320), (397, 60374), (419, 60419), (423, 60431), (456, 60497),

Gene: Sanjuju_44 Start: 40813, Stop: 41547, Start Num: 119

Candidate Starts for Sanjuju_44:

(58, 40666), (84, 40756), (Start: 119 @40813 has 55 MA's), (Start: 130 @40831 has 62 MA's), (181, 40918), (191, 40945), (210, 40993), (217, 41011), (236, 41053), (261, 41131), (285, 41173), (298, 41206), (345, 41341), (369, 41380), (419, 41479), (429, 41506), (448, 41539),

Gene: Santhid_48 Start: 31055, Stop: 31930, Start Num: 122

Candidate Starts for Santhid_48:

(38, 30830), (64, 30929), (65, 30938), (79, 30968), (96, 31019), (100, 31025), (Start: 122 @31055 has 19 MA's), (195, 31238), (265, 31457), (266, 31460), (282, 31493), (301, 31568), (304, 31574), (308, 31583), (332, 31661), (382, 31772), (387, 31775), (390, 31781), (401, 31817), (414, 31844), (450, 31919),

Gene: Sapo_40 Start: 36566, Stop: 37357, Start Num: 125

Candidate Starts for Sapo_40:

(93, 36521), (95, 36524), (Start: 125 @36566 has 93 MA's), (Start: 132 @36584 has 4 MA's), (158, 36641), (162, 36650), (219, 36785), (241, 36845), (257, 36893), (258, 36896), (294, 36989), (327, 37046), (345, 37109), (461, 37331),

Gene: Saronaya_45 Start: 39323, Stop: 40066, Start Num: 119

Candidate Starts for Saronaya_45:

(Start: 119 @39323 has 55 MA's), (Start: 130 @39341 has 62 MA's), (151, 39386), (181, 39431), (207, 39494), (210, 39506), (217, 39524), (236, 39566), (240, 39593), (285, 39686), (289, 39698), (334, 39818), (345, 39854), (352, 39866), (369, 39893), (390, 39926), (402, 39959), (419, 39992), (429, 40019),

Gene: Savbucketdawg_44 Start: 35970, Stop: 36725, Start Num: 120

Candidate Starts for Savbucketdawg_44:

(74, 35874), (Start: 120 @35970 has 37 MA's), (151, 36042), (207, 36150), (233, 36195), (301, 36345), (304, 36351), (314, 36378), (329, 36426), (378, 36528), (414, 36612), (451, 36684),

Gene: SchottB_44 Start: 40323, Stop: 41066, Start Num: 119

Candidate Starts for SchottB_44:

(Start: 119 @40323 has 55 MA's), (Start: 130 @40341 has 62 MA's), (151, 40386), (181, 40431), (210, 40506), (217, 40524), (236, 40566), (285, 40686), (289, 40698), (334, 40818), (345, 40854), (352, 40866), (369, 40893), (390, 40926), (402, 40959), (419, 40992), (429, 41019),

Gene: Schwartz33_31 Start: 22450, Stop: 23235, Start Num: 130

Candidate Starts for Schwartz33_31:

(85, 22369), (Start: 130 @22450 has 62 MA's), (168, 22537), (193, 22591), (241, 22720), (252, 22756), (257, 22765), (258, 22768), (263, 22780), (314, 22912), (332, 22969), (333, 22972), (415, 23137),

Gene: Scioto_47 Start: 40684, Stop: 41406, Start Num: 122

Candidate Starts for Scioto_47:

(40, 40468), (71, 40573), (Start: 122 @40684 has 19 MA's), (181, 40789), (185, 40798), (210, 40849), (217, 40867), (236, 40909), (257, 40975), (259, 40981), (262, 40987), (295, 41053), (332, 41152), (419, 41326), (427, 41347), (432, 41362),

Gene: Secretariat_28 Start: 21176, Stop: 21964, Start Num: 130

Candidate Starts for Secretariat_28:

(Start: 130 @21176 has 62 MA's), (168, 21263), (193, 21317), (237, 21419), (238, 21422), (245, 21461), (252, 21482), (257, 21491), (263, 21506), (314, 21638), (332, 21695), (333, 21698), (389,

21800), (415, 21863),

Gene: Sedona_45 Start: 40410, Stop: 41144, Start Num: 119

Candidate Starts for Sedona_45:

(111, 40404), (Start: 119 @40410 has 55 MA's), (Start: 130 @40428 has 62 MA's), (181, 40515), (191, 40542), (210, 40590), (217, 40608), (236, 40650), (261, 40728), (285, 40770), (345, 40938), (369, 40977), (419, 41076), (429, 41103), (448, 41136),

Gene: Sekhmet_25 Start: 21597, Stop: 22385, Start Num: 125

Candidate Starts for Sekhmet_25:

(Start: 117 @21585 has 33 MA's), (Start: 125 @21597 has 93 MA's), (Start: 130 @21609 has 62 MA's), (131, 21612), (Start: 150 @21651 has 1 MA's), (153, 21654), (181, 21702), (215, 21795), (234, 21840), (235, 21843), (236, 21846), (237, 21849), (250, 21906), (257, 21924), (263, 21939), (264, 21942), (299, 22020), (304, 22032), (314, 22059), (332, 22119), (345, 22155), (416, 22287), (421, 22305), (436, 22341), (458, 22377),

Gene: Sendy_45 Start: 36497, Stop: 37252, Start Num: 120

Candidate Starts for Sendy_45:

(98, 36461), (110, 36482), (Start: 120 @36497 has 37 MA's), (151, 36569), (181, 36605), (207, 36677), (241, 36758), (301, 36872), (304, 36878), (314, 36905), (329, 36953), (378, 37055), (414, 37139), (451, 37211),

Gene: Sephiroth_116 Start: 65083, Stop: 65805, Start Num: 125

Candidate Starts for Sephiroth_116:

(Start: 125 @65083 has 93 MA's), (145, 65131), (159, 65158), (166, 65173), (236, 65305), (317, 65515), (360, 65617), (405, 65689), (455, 65788), (456, 65791),

Gene: ShaggyRogers_30 Start: 22096, Stop: 22884, Start Num: 130

Candidate Starts for ShaggyRogers_30:

(Start: 130 @22096 has 62 MA's), (148, 22141), (168, 22183), (187, 22222), (193, 22237), (263, 22426), (310, 22546), (332, 22615), (333, 22618), (375, 22693), (444, 22840),

Gene: SharkTale_45 Start: 37178, Stop: 37933, Start Num: 120

Candidate Starts for SharkTale_45:

(110, 37163), (Start: 120 @37178 has 37 MA's), (151, 37250), (179, 37283), (181, 37286), (190, 37313), (197, 37334), (207, 37358), (291, 37538), (301, 37553), (304, 37559), (314, 37586), (329, 37634), (378, 37736), (414, 37820), (451, 37892),

Gene: SheckWes_50 Start: 35167, Stop: 34364, Start Num: 125

Candidate Starts for SheckWes_50:

(83, 35227), (Start: 125 @35167 has 93 MA's), (161, 35089), (190, 35017), (210, 34960), (235, 34906), (243, 34867), (252, 34846), (317, 34702), (328, 34669), (371, 34564), (409, 34486), (439, 34417), (460, 34378), (466, 34369),

Gene: Shinji_44 Start: 35841, Stop: 36488, Start Num: 181

Candidate Starts for Shinji_44:

(110, 35718), (Start: 120 @35733 has 37 MA's), (141, 35778), (151, 35805), (181, 35841), (207, 35913), (241, 35994), (301, 36108), (304, 36114), (314, 36141), (329, 36189), (378, 36291), (414, 36375), (451, 36447),

Gene: Shivanishola_45 Start: 39080, Stop: 39814, Start Num: 119

Candidate Starts for Shivanishola_45:

(58, 38933), (84, 39023), (Start: 119 @39080 has 55 MA's), (Start: 130 @39098 has 62 MA's), (181, 39185), (191, 39212), (210, 39260), (217, 39278), (236, 39320), (261, 39398), (285, 39440), (298, 39473), (345, 39608), (369, 39647), (419, 39746), (429, 39773), (448, 39806),

Gene: Shlim410_25 Start: 21831, Stop: 22619, Start Num: 125

Candidate Starts for Shlim410_25:

(Start: 117 @21819 has 33 MA's), (Start: 125 @21831 has 93 MA's), (Start: 130 @21843 has 62 MA's), (131, 21846), (Start: 142 @21873 has 1 MA's), (Start: 150 @21885 has 1 MA's), (181, 21936), (215, 22029), (234, 22074), (235, 22077), (236, 22080), (250, 22140), (257, 22158), (262, 22170), (263, 22173), (264, 22176), (304, 22266), (332, 22353), (416, 22521), (421, 22539), (436, 22575), (452, 22599),

Gene: Sidious_26 Start: 22171, Stop: 22956, Start Num: 123

Candidate Starts for Sidious_26:

(Start: 123 @22171 has 6 MA's), (Start: 142 @22213 has 1 MA's), (Start: 150 @22225 has 1 MA's), (167, 22258), (181, 22276), (215, 22369), (236, 22420), (249, 22477), (250, 22480), (257, 22498), (262, 22510), (263, 22513), (264, 22516), (322, 22663), (332, 22693), (341, 22720), (362, 22756), (416, 22861), (420, 22876), (421, 22879), (436, 22912),

Gene: Sienna_96 Start: 65667, Stop: 66386, Start Num: 125

Candidate Starts for Sienna_96:

(53, 65493), (54, 65496), (Start: 125 @65667 has 93 MA's), (242, 65952), (257, 65997), (306, 66108), (344, 66225), (348, 66231), (367, 66264), (375, 66273), (389, 66294), (396, 66312), (414, 66351), (417, 66354), (424, 66375),

Gene: Sitar_45 Start: 40763, Stop: 41497, Start Num: 119

Candidate Starts for Sitar_45:

(84, 40706), (Start: 119 @40763 has 55 MA's), (Start: 130 @40781 has 62 MA's), (181, 40868), (191, 40895), (210, 40943), (217, 40961), (236, 41003), (261, 41081), (285, 41123), (298, 41156), (345, 41291), (369, 41330), (419, 41429), (429, 41456), (448, 41489),

Gene: Sixama_183 Start: 106329, Stop: 105496, Start Num: 72

Candidate Starts for Sixama_183:

(Start: 72 @106329 has 1 MA's), (75, 106317), (Start: 125 @106209 has 93 MA's), (149, 106155), (151, 106152), (174, 106107), (234, 105969), (245, 105918), (248, 105909), (313, 105753), (314, 105747), (321, 105720), (323, 105714), (330, 105696), (332, 105687), (343, 105663), (417, 105528),

Gene: Sixsevenium_47 Start: 36863, Stop: 37483, Start Num: 190

Candidate Starts for Sixsevenium_47:

(35, 36485), (71, 36617), (102, 36701), (110, 36713), (Start: 120 @36728 has 37 MA's), (Start: 130 @36746 has 62 MA's), (151, 36800), (179, 36833), (181, 36836), (190, 36863), (207, 36908), (301, 37103), (304, 37109), (329, 37184), (378, 37286), (414, 37370), (451, 37442), (457, 37454),

Gene: SketchMex_46 Start: 34069, Stop: 33221, Start Num: 125

Candidate Starts for SketchMex_46:

(83, 34129), (Start: 125 @34069 has 93 MA's), (169, 33973), (176, 33964), (210, 33874), (241, 33784), (259, 33733), (264, 33724), (274, 33700), (290, 33667), (299, 33634), (314, 33595), (411, 33367), (413, 33358), (449, 33283), (455, 33274),

Gene: Skog_9 Start: 6153, Stop: 6860, Start Num: 127

Candidate Starts for Skog_9:

(Start: 127 @6153 has 22 MA's), (149, 6204), (176, 6255), (226, 6372), (234, 6390), (248, 6450), (266, 6492), (270, 6498), (306, 6585), (314, 6609), (331, 6666), (355, 6714), (379, 6753), (414, 6825),

Gene: SmokingBunny_44 Start: 36282, Stop: 37037, Start Num: 120

Candidate Starts for SmokingBunny_44:

(98, 36246), (110, 36267), (Start: 120 @36282 has 37 MA's), (151, 36354), (181, 36390), (207, 36462), (241, 36543), (301, 36657), (304, 36663), (314, 36690), (329, 36738), (378, 36840), (414, 36924), (451, 36996),

Gene: Socotra_46 Start: 33906, Stop: 33067, Start Num: 125

Candidate Starts for Socotra_46:

(83, 33966), (Start: 125 @33906 has 93 MA's), (Start: 150 @33846 has 1 MA's), (165, 33816), (169, 33810), (205, 33729), (241, 33621), (251, 33588), (263, 33561), (364, 33297), (446, 33126), (449, 33117),

Gene: Soilmate_27 Start: 21251, Stop: 22045, Start Num: 115

Candidate Starts for Soilmate_27:

(18, 20858), (28, 20987), (48, 21098), (59, 21125), (70, 21161), (Start: 115 @21251 has 6 MA's), (Start: 142 @21293 has 1 MA's), (Start: 150 @21305 has 1 MA's), (181, 21356), (215, 21449), (221, 21461), (235, 21497), (236, 21500), (246, 21548), (249, 21557), (250, 21560), (257, 21578), (262, 21590), (263, 21593), (264, 21596), (332, 21773), (338, 21794), (341, 21800), (362, 21836), (436, 21992), (452, 22016), (462, 22034),

Gene: Sopespian_43 Start: 33795, Stop: 32956, Start Num: 125

Candidate Starts for Sopespian_43:

(22, 34116), (25, 34092), (27, 34089), (43, 34002), (52, 33957), (83, 33855), (Start: 125 @33795 has 93 MA's), (Start: 150 @33735 has 1 MA's), (165, 33705), (169, 33699), (205, 33618), (241, 33510), (251, 33477), (263, 33450), (364, 33186), (446, 33015), (449, 33006),

Gene: SpeedDemon_1340 Start: 81228, Stop: 81950, Start Num: 125

Candidate Starts for SpeedDemon_1340:

(49, 81057), (88, 81177), (104, 81201), (Start: 125 @81228 has 93 MA's), (147, 81285), (195, 81381),

Gene: Sprinklemunch_29 Start: 26070, Stop: 26876, Start Num: 119

Candidate Starts for Sprinklemunch_29:

(Start: 119 @26070 has 55 MA's), (Start: 125 @26079 has 93 MA's), (Start: 130 @26091 has 62 MA's), (131, 26094), (Start: 142 @26121 has 1 MA's), (Start: 150 @26133 has 1 MA's), (181, 26184), (206, 26250), (235, 26325), (236, 26328), (237, 26331), (245, 26373), (246, 26376), (249, 26385), (250, 26388), (257, 26406), (262, 26418), (263, 26421), (304, 26514), (322, 26571), (332, 26601), (362, 26664), (416, 26769), (436, 26823), (452, 26847),

Gene: Srilaccoli3_56 Start: 53248, Stop: 52379, Start Num: 122

Candidate Starts for Srilaccoli3_56:

(7, 54031), (8, 54016), (13, 53749), (29, 53539), (45, 53455), (74, 53353), (96, 53290), (Start: 122 @53248 has 19 MA's), (157, 53164), (190, 53086), (204, 53056), (210, 53038), (260, 52888), (266, 52861), (273, 52849), (304, 52759), (332, 52672), (367, 52594), (387, 52561), (418, 52480), (433, 52441), (437, 52432), (463, 52384),

Gene: Starburst_45 Start: 33788, Stop: 32949, Start Num: 125

Candidate Starts for Starburst_45:

(22, 34109), (25, 34085), (27, 34082), (43, 33995), (52, 33950), (83, 33848), (Start: 125 @33788 has 93 MA's), (Start: 150 @33728 has 1 MA's), (165, 33698), (169, 33692), (205, 33611), (241, 33503), (251, 33470), (263, 33443), (364, 33179), (446, 33008), (449, 32999),

Gene: SteamedHams_45 Start: 33292, Stop: 32453, Start Num: 125

Candidate Starts for SteamedHams_45:

(Start: 125 @33292 has 93 MA's), (Start: 150 @33232 has 1 MA's), (169, 33196), (176, 33187), (205, 33115), (241, 33007), (259, 32953), (275, 32917), (290, 32887), (307, 32836), (314, 32815), (398, 32611), (409, 32590), (449, 32503), (459, 32485),

Gene: Stichling_43 Start: 38843, Stop: 39586, Start Num: 119

Candidate Starts for Stichling_43:

(Start: 119 @38843 has 55 MA's), (Start: 130 @38861 has 62 MA's), (151, 38906), (181, 38951), (210, 39026), (217, 39044), (236, 39086), (240, 39113), (285, 39206), (289, 39218), (345, 39374), (352, 39386), (369, 39413), (390, 39446), (419, 39512), (429, 39539),

Gene: Stormer_86 Start: 56637, Stop: 57467, Start Num: 132

Candidate Starts for Stormer_86:

(61, 56466), (63, 56475), (67, 56490), (Start: 72 @56499 has 1 MA's), (109, 56592), (110, 56595), (Start: 124 @56616 has 35 MA's), (128, 56625), (Start: 132 @56637 has 4 MA's), (137, 56646), (152, 56688), (155, 56694), (177, 56739), (216, 56841), (218, 56844), (234, 56880), (238, 56892), (245, 56931), (256, 56961), (257, 56964), (262, 56976), (263, 56979), (314, 57111), (334, 57177), (336, 57186), (347, 57216), (363, 57243), (374, 57264), (397, 57321), (419, 57366), (456, 57444),

Gene: StorminNorm_45 Start: 39414, Stop: 40157, Start Num: 119

Candidate Starts for StorminNorm_45:

(Start: 119 @39414 has 55 MA's), (Start: 130 @39432 has 62 MA's), (151, 39477), (181, 39522), (210, 39597), (217, 39615), (225, 39627), (236, 39657), (240, 39684), (285, 39777), (289, 39789), (345, 39945), (352, 39957), (369, 39984), (390, 40017), (419, 40083), (429, 40110),

Gene: Stultus_44 Start: 39716, Stop: 40450, Start Num: 119

Candidate Starts for Stultus_44:

(84, 39659), (Start: 119 @39716 has 55 MA's), (Start: 130 @39734 has 62 MA's), (181, 39821), (191, 39848), (210, 39896), (217, 39914), (236, 39956), (261, 40034), (285, 40076), (298, 40109), (345, 40244), (369, 40283), (419, 40382), (429, 40409), (448, 40442),

Gene: Suerte_23 Start: 20721, Stop: 21509, Start Num: 125

Candidate Starts for Suerte_23:

(Start: 117 @20709 has 33 MA's), (Start: 125 @20721 has 93 MA's), (Start: 130 @20733 has 62 MA's), (131, 20736), (Start: 142 @20763 has 1 MA's), (Start: 150 @20775 has 1 MA's), (181, 20826), (215, 20919), (234, 20964), (236, 20970), (250, 21030), (257, 21048), (262, 21060), (263, 21063), (264, 21066), (304, 21156), (314, 21183), (332, 21243), (345, 21279), (416, 21411), (421, 21429), (436, 21465),

Gene: SummitAcademy_46 Start: 35232, Stop: 34429, Start Num: 125

Candidate Starts for SummitAcademy_46:

(83, 35292), (Start: 125 @35232 has 93 MA's), (210, 35025), (235, 34971), (239, 34950), (243, 34932), (245, 34923), (252, 34911), (259, 34896), (312, 34785), (317, 34767), (328, 34734), (370, 34632), (398, 34572), (409, 34551), (439, 34482), (460, 34443), (466, 34434),

Gene: Survivors_42 Start: 33111, Stop: 32353, Start Num: 125

Candidate Starts for Survivors_42:

(Start: 125 @33111 has 93 MA's), (Start: 142 @33072 has 1 MA's), (Start: 150 @33054 has 1 MA's), (169, 33018), (181, 33003), (189, 32979), (202, 32943), (210, 32919), (234, 32865), (271, 32760), (285, 32739), (317, 32679), (338, 32601), (342, 32592), (364, 32556), (395, 32511), (446, 32397), (454, 32382),

Gene: Suzy_95 Start: 65979, Stop: 66695, Start Num: 127

Candidate Starts for Suzy_95:

(Start: 127 @65979 has 22 MA's), (199, 66147), (242, 66261), (268, 66327), (348, 66540), (367, 66573), (389, 66603), (417, 66663), (424, 66684),

Gene: SweatNTears_46 Start: 33738, Stop: 32899, Start Num: 125

Candidate Starts for SweatNTears_46:

(86, 33786), (103, 33756), (Start: 125 @33738 has 93 MA's), (Start: 150 @33678 has 1 MA's), (165, 33648), (169, 33642), (205, 33561), (241, 33453), (251, 33420), (263, 33393), (364, 33129), (449, 32949),

Gene: SweetCrkHerbs_29 Start: 19513, Stop: 20298, Start Num: 130

Candidate Starts for SweetCrkHerbs_29:

(Start: 130 @19513 has 62 MA's), (Start: 138 @19528 has 1 MA's), (171, 19606), (193, 19654), (194, 19660), (245, 19798), (263, 19843), (332, 20032), (333, 20035), (375, 20110), (389, 20137),

Gene: Syleon_121 Start: 65865, Stop: 66587, Start Num: 125

Candidate Starts for Syleon_121:

(Start: 125 @65865 has 93 MA's), (145, 65913), (159, 65940), (166, 65955), (236, 66087), (317, 66297), (345, 66384), (360, 66399), (405, 66471), (411, 66486), (455, 66570), (456, 66573),

Gene: TPA2_54 Start: 40199, Stop: 41080, Start Num: 116

Candidate Starts for TPA2_54:

(91, 40160), (116, 40199), (147, 40265), (169, 40310), (174, 40316), (181, 40325), (189, 40349), (237, 40463), (259, 40541), (290, 40610), (307, 40676), (315, 40700), (325, 40733), (327, 40736), (339, 40787), (357, 40820), (366, 40832), (386, 40874), (388, 40880), (413, 40949), (428, 40985), (446, 41012),

Gene: TPA4_30 Start: 27688, Stop: 28482, Start Num: 122

Candidate Starts for TPA4_30:

(47, 27505), (Start: 122 @27688 has 19 MA's), (156, 27760), (188, 27820), (199, 27856), (208, 27880), (318, 28165), (332, 28213), (381, 28309), (403, 28354),

Gene: Tairn4Wing_29 Start: 19346, Stop: 20131, Start Num: 130

Candidate Starts for Tairn4Wing_29:

(Start: 130 @19346 has 62 MA's), (148, 19391), (193, 19487), (194, 19493), (245, 19631), (258, 19664), (263, 19676), (332, 19865), (333, 19868), (375, 19943), (444, 20090),

Gene: Talon44_28 Start: 19513, Stop: 20298, Start Num: 130

Candidate Starts for Talon44_28:

(Start: 130 @19513 has 62 MA's), (Start: 138 @19528 has 1 MA's), (171, 19606), (193, 19654), (194, 19660), (245, 19798), (263, 19843), (332, 20032), (333, 20035), (375, 20110), (389, 20137),

Gene: Tangent_46 Start: 39790, Stop: 40524, Start Num: 119

Candidate Starts for Tangent_46:

(58, 39643), (84, 39733), (Start: 119 @39790 has 55 MA's), (Start: 130 @39808 has 62 MA's), (181, 39895), (191, 39922), (210, 39970), (217, 39988), (236, 40030), (261, 40108), (285, 40150), (298, 40183), (345, 40318), (369, 40357), (419, 40456), (429, 40483), (448, 40516),

Gene: Tangerine_45 Start: 39195, Stop: 39938, Start Num: 119

Candidate Starts for Tangerine_45:

(Start: 119 @39195 has 55 MA's), (Start: 130 @39213 has 62 MA's), (151, 39258), (181, 39303), (210, 39378), (217, 39396), (236, 39438), (240, 39465), (285, 39558), (289, 39570), (345, 39726), (352, 39738), (369, 39765), (390, 39798), (402, 39831), (419, 39864), (429, 39891),

Gene: Tanis_27 Start: 19278, Stop: 20063, Start Num: 130

Candidate Starts for Tanis_27:

(Start: 130 @19278 has 62 MA's), (Start: 138 @19293 has 1 MA's), (157, 19341), (173, 19374), (193, 19419), (194, 19425), (245, 19563), (258, 19596), (263, 19608), (332, 19797), (333, 19800), (375, 19875), (389, 19902), (444, 20022),

Gene: Tardus_47 Start: 40038, Stop: 40760, Start Num: 122

Candidate Starts for Tardus_47:

(40, 39822), (60, 39891), (71, 39927), (Start: 122 @40038 has 19 MA's), (181, 40143), (185, 40152), (210, 40203), (217, 40221), (236, 40263), (262, 40341), (332, 40506), (345, 40542), (362, 40569), (419, 40680), (432, 40716),

Gene: Tarnish_47 Start: 35692, Stop: 34889, Start Num: 125

Candidate Starts for Tarnish_47:

(83, 35752), (Start: 125 @35692 has 93 MA's), (210, 35485), (235, 35431), (238, 35422), (239, 35410), (245, 35383), (252, 35371), (259, 35356), (312, 35245), (317, 35227), (328, 35194), (370, 35092), (371, 35089), (398, 35032), (409, 35011), (439, 34942), (460, 34903), (466, 34894),

Gene: Tarzan_50 Start: 32536, Stop: 33387, Start Num: 122

Candidate Starts for Tarzan_50:

(96, 32500), (100, 32506), (Start: 122 @32536 has 19 MA's), (195, 32719), (266, 32917), (282, 32950), (301, 33025), (308, 33040), (332, 33118), (382, 33229), (387, 33232), (390, 33238), (401, 33274), (414, 33301), (450, 33376),

Gene: TenaciousP_31 Start: 23744, Stop: 24532, Start Num: 130

Candidate Starts for TenaciousP_31:

(Start: 130 @23744 has 62 MA's), (148, 23789), (163, 23819), (168, 23831), (193, 23885), (246, 24032), (263, 24074), (296, 24158), (332, 24263), (333, 24266), (375, 24341), (444, 24488),

Gene: Terapin_96 Start: 65473, Stop: 66189, Start Num: 127

Candidate Starts for Terapin_96:

(Start: 127 @65473 has 22 MA's), (242, 65755), (257, 65800), (306, 65911), (344, 66028), (348, 66034), (367, 66067), (375, 66076), (389, 66097), (396, 66115), (414, 66154), (417, 66157), (424, 66178),

Gene: Thimann_25 Start: 21189, Stop: 21977, Start Num: 125

Candidate Starts for Thimann_25:

(Start: 117 @21177 has 33 MA's), (Start: 125 @21189 has 93 MA's), (Start: 130 @21201 has 62 MA's), (131, 21204), (Start: 142 @21231 has 1 MA's), (Start: 150 @21243 has 1 MA's), (181, 21294), (215, 21387), (234, 21432), (236, 21438), (250, 21498), (257, 21516), (262, 21528), (263, 21531), (264, 21534), (304, 21624), (314, 21651), (332, 21711), (345, 21747), (416, 21879), (421, 21897), (436, 21933),

Gene: Thing3_43 Start: 39019, Stop: 39753, Start Num: 119

Candidate Starts for Thing3_43:

(84, 38962), (Start: 119 @39019 has 55 MA's), (Start: 130 @39037 has 62 MA's), (181, 39124), (191, 39151), (210, 39199), (217, 39217), (236, 39259), (261, 39337), (285, 39379), (298, 39412), (345, 39547), (369, 39586), (419, 39685), (429, 39712), (448, 39745),

Gene: Tiamoceli_57 Start: 44584, Stop: 45363, Start Num: 125

Candidate Starts for Tiamoceli_57:

(77, 44488), (82, 44503), (Start: 125 @44584 has 93 MA's), (134, 44605), (170, 44683), (181, 44698), (195, 44743), (236, 44833), (242, 44866), (286, 44959), (317, 45025), (337, 45094), (364, 45148), (449, 45319), (464, 45349),

Gene: Tillicus_80 Start: 58169, Stop: 59020, Start Num: 124

Candidate Starts for Tillicus_80:

(110, 58148), (Start: 124 @58169 has 35 MA's), (128, 58178), (Start: 132 @58190 has 4 MA's), (137, 58199), (143, 58223), (152, 58241), (180, 58298), (234, 58433), (242, 58472), (245, 58484), (257, 58517), (262, 58529), (269, 58550), (304, 58637), (314, 58664), (325, 58700), (334, 58730), (337, 58742), (347, 58769), (374, 58817), (375, 58820), (397, 58874), (457, 59000),

Gene: TillyBobJoe_44 Start: 36086, Stop: 36841, Start Num: 120

Candidate Starts for TillyBobJoe_44:

(98, 36050), (110, 36071), (Start: 120 @36086 has 37 MA's), (151, 36158), (181, 36194), (207, 36266), (241, 36347), (301, 36461), (304, 36467), (314, 36494), (329, 36542), (378, 36644), (414, 36728), (451, 36800), (455, 36806),

Gene: Togo_43 Start: 36282, Stop: 37037, Start Num: 120

Candidate Starts for Togo_43:

(98, 36246), (110, 36267), (Start: 120 @36282 has 37 MA's), (151, 36354), (181, 36390), (207, 36462), (241, 36543), (301, 36657), (304, 36663), (314, 36690), (329, 36738), (378, 36840), (414, 36924), (451, 36996),

Gene: Tolls_46 Start: 33685, Stop: 32846, Start Num: 125

Candidate Starts for Tolls_46:

(Start: 125 @33685 has 93 MA's), (Start: 150 @33625 has 1 MA's), (169, 33589), (176, 33580), (205, 33508), (241, 33400), (259, 33346), (275, 33310), (290, 33280), (307, 33229), (314, 33208), (398, 33004), (409, 32983), (449, 32896), (459, 32878),

Gene: Tonaltzin_32 Start: 22314, Stop: 23102, Start Num: 130

Candidate Starts for Tonaltzin_32:

(Start: 130 @22314 has 62 MA's), (148, 22359), (163, 22389), (168, 22401), (193, 22455), (246, 22602), (257, 22629), (263, 22644), (296, 22728), (332, 22833), (333, 22836), (375, 22911), (444, 23058),

Gene: Towmatter_121 Start: 74465, Stop: 75190, Start Num: 120

Candidate Starts for Towmatter_121:

(Start: 120 @74465 has 37 MA's), (244, 74744), (269, 74801), (334, 74966), (360, 75017), (367, 75029), (390, 75065), (422, 75128),

Gene: Trax_117 Start: 66615, Stop: 67343, Start Num: 120

Candidate Starts for Trax_117:

(Start: 120 @66615 has 37 MA's), (129, 66630), (148, 66675), (152, 66684), (174, 66723), (190, 66759), (213, 66813), (242, 66879), (269, 66945), (280, 66966), (304, 67023), (345, 67143), (390, 67203), (460, 67335),

Gene: Trine_36 Start: 27342, Stop: 28031, Start Num: 127

Candidate Starts for Trine_36:

(110, 27315), (Start: 127 @27342 has 22 MA's), (131, 27354), (164, 27417), (174, 27438), (181, 27447), (206, 27504), (264, 27657), (304, 27753), (308, 27762), (323, 27813), (330, 27831), (335, 27852),

Gene: Troje_48 Start: 34407, Stop: 33559, Start Num: 125

Candidate Starts for Troje_48:

(83, 34467), (Start: 125 @34407 has 93 MA's), (169, 34311), (176, 34302), (210, 34212), (241, 34122), (242, 34119), (259, 34071), (264, 34062), (274, 34038), (290, 34005), (299, 33972), (314, 33933), (411, 33705), (413, 33696), (449, 33621), (455, 33612),

Gene: Trufflozitus_27 Start: 19347, Stop: 20132, Start Num: 130

Candidate Starts for Trufflozitus_27:

(Start: 130 @19347 has 62 MA's), (148, 19392), (193, 19488), (194, 19494), (245, 19632), (258, 19665), (263, 19677), (332, 19866), (333, 19869), (375, 19944), (444, 20091),

Gene: Tuti_25 Start: 21572, Stop: 22360, Start Num: 123

Candidate Starts for Tuti_25:

(56, 21413), (Start: 117 @21563 has 33 MA's), (Start: 123 @21572 has 6 MA's), (Start: 130 @21584 has 62 MA's), (131, 21587), (Start: 142 @21614 has 1 MA's), (Start: 150 @21626 has 1 MA's), (181, 21677), (215, 21770), (234, 21815), (235, 21818), (236, 21821), (237, 21824), (250, 21881), (257, 21899), (262, 21911), (263, 21914), (264, 21917), (299, 21995), (304, 22007), (314, 22034), (332, 22094), (416, 22262), (421, 22280), (436, 22316), (452, 22340), (458, 22352),

Gene: Twinkle_25 Start: 22890, Stop: 23678, Start Num: 125

Candidate Starts for Twinkle_25:

(Start: 117 @22878 has 33 MA's), (Start: 125 @22890 has 93 MA's), (Start: 130 @22902 has 62 MA's), (131, 22905), (Start: 142 @22932 has 1 MA's), (Start: 150 @22944 has 1 MA's), (181, 22995), (215, 23088), (234, 23133), (235, 23136), (236, 23139), (250, 23199), (257, 23217), (262, 23229), (263, 23232), (264, 23235), (304, 23325), (332, 23412), (416, 23580), (421, 23598), (436, 23634), (452, 23658),

Gene: Twister6_46 Start: 36083, Stop: 36838, Start Num: 120

Candidate Starts for Twister6_46:

(74, 35987), (Start: 120 @36083 has 37 MA's), (151, 36155), (181, 36191), (207, 36263), (212, 36278), (301, 36458), (304, 36464), (314, 36491), (378, 36641), (414, 36725), (451, 36797),

Gene: Twonlo_54 Start: 43079, Stop: 43858, Start Num: 125

Candidate Starts for Twonlo_54:

(55, 42917), (77, 42983), (82, 42998), (Start: 125 @43079 has 93 MA's), (134, 43100), (170, 43178), (181, 43193), (195, 43238), (236, 43328), (242, 43361), (286, 43454), (317, 43520), (337, 43589), (364, 43643), (449, 43814), (464, 43844),

Gene: Tycho_45 Start: 39282, Stop: 40025, Start Num: 119

Candidate Starts for Tycho_45:

(Start: 119 @39282 has 55 MA's), (Start: 130 @39300 has 62 MA's), (151, 39345), (181, 39390), (210, 39465), (217, 39483), (225, 39495), (236, 39525), (240, 39552), (285, 39645), (289, 39657), (345, 39813), (352, 39825), (369, 39852), (390, 39885), (419, 39951), (429, 39978),

Gene: Typhonomachy_44 Start: 33617, Stop: 32778, Start Num: 125

Candidate Starts for Typhonomachy_44:

(22, 33938), (25, 33914), (43, 33824), (52, 33779), (83, 33677), (Start: 125 @33617 has 93 MA's), (Start: 150 @33557 has 1 MA's), (169, 33521), (205, 33440), (241, 33332), (251, 33299), (263, 33272), (364, 33008), (449, 32828),

Gene: UmaThurman_25 Start: 21277, Stop: 22080, Start Num: 117

Candidate Starts for UmaThurman_25:

(Start: 117 @21277 has 33 MA's), (Start: 142 @21325 has 1 MA's), (Start: 150 @21337 has 1 MA's), (215, 21481), (221, 21493), (236, 21532), (250, 21592), (257, 21610), (262, 21622), (263, 21625),

(264, 21628), (332, 21805), (338, 21826), (341, 21832), (345, 21841), (420, 21988), (436, 22024), (452, 22048), (462, 22069),

Gene: Untouchable_30 Start: 22449, Stop: 23237, Start Num: 130

Candidate Starts for Untouchable_30:

(Start: 130 @22449 has 62 MA's), (148, 22494), (163, 22524), (168, 22536), (193, 22590), (194, 22596), (213, 22641), (246, 22737), (252, 22755), (257, 22764), (263, 22779), (332, 22968), (333, 22971), (337, 22986), (375, 23046), (389, 23073), (444, 23193),

Gene: Upyo_37 Start: 28484, Stop: 29182, Start Num: 127

Candidate Starts for Upyo_37:

(107, 28451), (Start: 127 @28484 has 22 MA's), (131, 28496), (174, 28580), (201, 28637), (206, 28646), (226, 28691), (238, 28721), (304, 28895), (323, 28955), (327, 28961), (330, 28973), (335, 28994), (344, 29015), (350, 29027), (414, 29135),

Gene: Utz_25 Start: 21147, Stop: 21947, Start Num: 117

Candidate Starts for Utz_25:

(Start: 117 @21147 has 33 MA's), (Start: 142 @21195 has 1 MA's), (Start: 150 @21207 has 1 MA's), (181, 21258), (215, 21351), (236, 21402), (249, 21459), (250, 21462), (257, 21480), (262, 21492), (263, 21495), (264, 21498), (325, 21651), (332, 21675), (338, 21696), (436, 21894), (452, 21918), (462, 21936),

Gene: Valary_46 Start: 37125, Stop: 37880, Start Num: 120

Candidate Starts for Valary_46:

(81, 37047), (Start: 120 @37125 has 37 MA's), (151, 37197), (207, 37305), (233, 37350), (301, 37500), (304, 37506), (314, 37533), (329, 37581), (378, 37683), (414, 37767), (451, 37839),

Gene: VanDeWege_47 Start: 36417, Stop: 37172, Start Num: 120

Candidate Starts for VanDeWege_47:

(81, 36339), (Start: 120 @36417 has 37 MA's), (151, 36489), (207, 36597), (233, 36642), (301, 36792), (304, 36798), (314, 36825), (329, 36873), (378, 36975), (414, 37059), (451, 37131),

Gene: VanLee_104 Start: 55246, Stop: 55980, Start Num: 125

Candidate Starts for VanLee_104:

(94, 55198), (Start: 125 @55246 has 93 MA's), (134, 55264), (Start: 150 @55309 has 1 MA's), (157, 55321), (190, 55372), (203, 55399), (213, 55426), (237, 55462), (244, 55501), (262, 55537), (267, 55555), (280, 55579), (304, 55618), (314, 55645), (372, 55783), (410, 55864), (467, 55969),

Gene: Vardy_30 Start: 22058, Stop: 22846, Start Num: 130

Candidate Starts for Vardy_30:

(Start: 130 @22058 has 62 MA's), (163, 22133), (168, 22145), (193, 22199), (194, 22205), (213, 22250), (227, 22280), (246, 22346), (252, 22364), (258, 22376), (261, 22382), (263, 22388), (332, 22577), (333, 22580), (337, 22595), (375, 22655), (444, 22802),

Gene: Verity_46 Start: 41437, Stop: 42174, Start Num: 112

Candidate Starts for Verity_46:

(10, 40798), (14, 40969), (16, 41011), (26, 41152), (108, 41428), (Start: 112 @41437 has 6 MA's), (116, 41443), (Start: 122 @41452 has 19 MA's), (165, 41536), (181, 41557), (185, 41566), (207, 41605), (210, 41617), (217, 41635), (236, 41677), (259, 41749), (262, 41755), (320, 41881), (332, 41920), (338, 41941), (345, 41956), (362, 41983), (432, 42130),

Gene: ViaConlectus_46 Start: 39318, Stop: 40043, Start Num: 122

Candidate Starts for ViaConlectus_46:

(40, 39102), (71, 39207), (Start: 122 @39318 has 19 MA's), (181, 39423), (210, 39483), (217, 39501), (236, 39543), (252, 39600), (262, 39624), (295, 39690), (332, 39789), (345, 39825), (362, 39852), (419, 39963), (432, 39999),

Gene: Vine_49 Start: 35909, Stop: 35106, Start Num: 125

Candidate Starts for Vine_49:

(83, 35969), (Start: 125 @35909 has 93 MA's), (Start: 150 @35849 has 1 MA's), (210, 35702), (235, 35648), (239, 35627), (243, 35609), (245, 35600), (252, 35588), (259, 35573), (312, 35462), (317, 35444), (328, 35411), (370, 35309), (398, 35249), (409, 35228), (439, 35159), (460, 35120), (466, 35111),

Gene: Vivi2_48 Start: 40816, Stop: 41550, Start Num: 119

Candidate Starts for Vivi2_48:

(58, 40669), (84, 40759), (Start: 119 @40816 has 55 MA's), (Start: 130 @40834 has 62 MA's), (181, 40921), (191, 40948), (210, 40996), (217, 41014), (236, 41056), (261, 41134), (285, 41176), (298, 41209), (345, 41344), (369, 41383), (419, 41482), (429, 41509), (448, 41542),

Gene: Wallaby_44 Start: 33212, Stop: 32454, Start Num: 125

Candidate Starts for Wallaby_44:

(Start: 125 @33212 has 93 MA's), (Start: 142 @33173 has 1 MA's), (Start: 150 @33155 has 1 MA's), (169, 33119), (181, 33104), (189, 33080), (202, 33044), (210, 33020), (234, 32966), (271, 32861), (285, 32840), (317, 32780), (338, 32702), (345, 32687), (364, 32657), (395, 32612), (446, 32498), (454, 32483),

Gene: Walrus_27 Start: 21692, Stop: 22495, Start Num: 117

Candidate Starts for Walrus_27:

(Start: 117 @21692 has 33 MA's), (Start: 142 @21740 has 1 MA's), (Start: 150 @21752 has 1 MA's), (160, 21767), (215, 21896), (221, 21908), (236, 21947), (245, 21992), (246, 21995), (250, 22007), (257, 22025), (262, 22037), (263, 22040), (264, 22043), (332, 22220), (338, 22241), (341, 22247), (420, 22403), (436, 22439), (452, 22463), (462, 22484),

Gene: Widow_36 Start: 28002, Stop: 28706, Start Num: 127

Candidate Starts for Widow_36:

(114, 27984), (Start: 127 @28002 has 22 MA's), (131, 28014), (160, 28068), (174, 28098), (181, 28107), (206, 28167), (211, 28185), (264, 28320), (314, 28446), (323, 28479), (330, 28497), (340, 28530), (393, 28608), (414, 28659),

Gene: WinkNick_25 Start: 21234, Stop: 22010, Start Num: 130

Candidate Starts for WinkNick_25:

(Start: 117 @21210 has 33 MA's), (Start: 125 @21222 has 93 MA's), (Start: 130 @21234 has 62 MA's), (131, 21237), (Start: 142 @21264 has 1 MA's), (Start: 150 @21276 has 1 MA's), (181, 21327), (215, 21420), (234, 21465), (235, 21468), (236, 21471), (250, 21531), (257, 21549), (262, 21561), (263, 21564), (264, 21567), (304, 21657), (332, 21744), (436, 21966), (452, 21990),

Gene: Wisp_24 Start: 20862, Stop: 21665, Start Num: 117

Candidate Starts for Wisp_24:

(Start: 117 @20862 has 33 MA's), (Start: 142 @20910 has 1 MA's), (Start: 150 @20922 has 1 MA's), (160, 20937), (181, 20973), (215, 21066), (236, 21117), (249, 21174), (250, 21177), (257, 21195), (262, 21207), (263, 21210), (264, 21213), (332, 21390), (338, 21411), (341, 21417), (420, 21573), (436, 21609), (452, 21633), (462, 21654),

Gene: Wizard_43 Start: 36323, Stop: 37078, Start Num: 120

Candidate Starts for Wizard_43:

(81, 36245), (Start: 120 @36323 has 37 MA's), (151, 36395), (207, 36503), (233, 36548), (301, 36698), (304, 36704), (314, 36731), (329, 36779), (378, 36881), (414, 36965), (451, 37037),

Gene: Wocket_27 Start: 21844, Stop: 22632, Start Num: 119

Candidate Starts for Wocket_27:

(78, 21760), (Start: 119 @21844 has 55 MA's), (Start: 150 @21898 has 1 MA's), (181, 21949), (215, 22042), (236, 22093), (246, 22141), (250, 22153), (257, 22171), (262, 22183), (263, 22186), (264, 22189), (332, 22366), (338, 22387), (436, 22585), (452, 22609),

Gene: Wojtek_79 Start: 58771, Stop: 59619, Start Num: 124

Candidate Starts for Wojtek_79:

(109, 58747), (110, 58750), (Start: 124 @58771 has 35 MA's), (128, 58780), (Start: 132 @58792 has 4 MA's), (137, 58801), (143, 58825), (152, 58843), (155, 58849), (182, 58900), (218, 58996), (223, 59005), (234, 59032), (238, 59044), (245, 59083), (314, 59263), (334, 59329), (336, 59338), (347, 59368), (363, 59395), (375, 59419), (397, 59473), (419, 59518), (423, 59530), (456, 59596),

Gene: Wolfwood_42 Start: 33183, Stop: 32425, Start Num: 125

Candidate Starts for Wolfwood_42:

(66, 33297), (110, 33198), (Start: 125 @33183 has 93 MA's), (Start: 142 @33144 has 1 MA's), (Start: 150 @33126 has 1 MA's), (169, 33090), (181, 33075), (189, 33051), (202, 33015), (210, 32991), (234, 32937), (271, 32832), (285, 32811), (317, 32751), (338, 32673), (345, 32658), (364, 32628), (395, 32583), (446, 32469), (454, 32454),

Gene: Xenia2_89 Start: 59110, Stop: 59985, Start Num: 105

Candidate Starts for Xenia2_89:

(Start: 105 @59110 has 1 MA's), (Start: 112 @59122 has 6 MA's), (126, 59140), (Start: 132 @59152 has 4 MA's), (137, 59161), (152, 59203), (200, 59311), (238, 59404), (269, 59509), (279, 59530), (281, 59536), (283, 59539), (314, 59623), (351, 59737), (363, 59755), (374, 59776), (406, 59851), (430, 59908),

Gene: Yakult_48 Start: 35205, Stop: 34351, Start Num: 89

Candidate Starts for Yakult_48:

(84, 35220), (Start: 89 @35205 has 9 MA's), (99, 35190), (133, 35139), (139, 35127), (146, 35112), (154, 35097), (169, 35067), (172, 35064), (176, 35058), (181, 35052), (190, 35025), (195, 35007), (231, 34926), (232, 34923), (241, 34875), (248, 34851), (256, 34830), (284, 34770), (305, 34719), (328, 34653), (337, 34617), (368, 34557), (370, 34554), (377, 34539), (411, 34467), (421, 34437), (435, 34413), (448, 34392), (456, 34377),

Gene: Yarn_42 Start: 33445, Stop: 32606, Start Num: 125

Candidate Starts for Yarn_42:

(Start: 125 @33445 has 93 MA's), (Start: 150 @33385 has 1 MA's), (169, 33349), (176, 33340), (205, 33268), (241, 33160), (259, 33106), (275, 33070), (290, 33040), (307, 32989), (314, 32968), (398, 32764), (409, 32743), (449, 32656), (459, 32638),

Gene: Yikes_87 Start: 59300, Stop: 60151, Start Num: 124

Candidate Starts for Yikes_87:

(51, 59123), (61, 59150), (63, 59159), (67, 59174), (Start: 72 @59183 has 1 MA's), (109, 59276), (110, 59279), (Start: 124 @59300 has 35 MA's), (128, 59309), (137, 59330), (152, 59372), (155, 59378), (177, 59423), (218, 59528), (234, 59564), (238, 59576), (245, 59615), (256, 59645), (257, 59648), (262, 59660), (314, 59795), (334, 59861), (336, 59870), (347, 59900), (363, 59927), (375, 59951), (397, 60005), (419, 60050), (423, 60062), (456, 60128),

Gene: YorkOnyx_46 Start: 39539, Stop: 40282, Start Num: 119

Candidate Starts for YorkOnyx_46:

(Start: 119 @39539 has 55 MA's), (Start: 130 @39557 has 62 MA's), (151, 39602), (181, 39647), (191, 39674), (199, 39692), (210, 39722), (217, 39740), (225, 39752), (236, 39782), (240, 39809), (285, 39902), (289, 39914), (334, 40034), (345, 40070), (352, 40082), (369, 40109), (390, 40142), (398, 40169), (402, 40175), (419, 40208), (429, 40235),

Gene: Yucky_49 Start: 35701, Stop: 34898, Start Num: 125

Candidate Starts for Yucky_49:

(83, 35761), (Start: 125 @35701 has 93 MA's), (Start: 150 @35641 has 1 MA's), (210, 35494), (235, 35440), (239, 35419), (243, 35401), (245, 35392), (252, 35380), (259, 35365), (312, 35254), (317, 35236), (328, 35203), (370, 35101), (398, 35041), (409, 35020), (439, 34951), (460, 34912), (466, 34903),

Gene: Yummy_48 Start: 34116, Stop: 33268, Start Num: 125

Candidate Starts for Yummy_48:

(83, 34176), (Start: 125 @34116 has 93 MA's), (169, 34020), (176, 34011), (210, 33921), (241, 33831), (242, 33828), (259, 33780), (264, 33771), (274, 33747), (290, 33714), (299, 33681), (314, 33642), (411, 33414), (413, 33405), (449, 33330), (455, 33321),

Gene: YungMoney_47 Start: 38725, Stop: 39480, Start Num: 120

Candidate Starts for YungMoney_47:

(110, 38710), (Start: 120 @38725 has 37 MA's), (151, 38797), (179, 38830), (181, 38833), (190, 38860), (197, 38881), (207, 38905), (291, 39085), (301, 39100), (304, 39106), (314, 39133), (329, 39181), (378, 39283), (414, 39367), (451, 39439),

Gene: Zany_85 Start: 59554, Stop: 60444, Start Num: 124

Candidate Starts for Zany_85:

(109, 59530), (110, 59533), (Start: 124 @59554 has 35 MA's), (128, 59563), (137, 59584), (152, 59626), (155, 59632), (218, 59782), (223, 59791), (234, 59818), (238, 59830), (245, 59869), (314, 60049), (334, 60115), (336, 60124), (347, 60154), (363, 60181), (375, 60205), (397, 60259), (419, 60304), (423, 60316), (465, 60403), (468, 60436),

Gene: Zarbodnamra_25 Start: 21151, Stop: 21954, Start Num: 117

Candidate Starts for Zarbodnamra_25:

(Start: 117 @21151 has 33 MA's), (Start: 142 @21199 has 1 MA's), (Start: 150 @21211 has 1 MA's), (160, 21226), (181, 21262), (215, 21355), (236, 21406), (249, 21463), (250, 21466), (257, 21484), (262, 21496), (263, 21499), (264, 21502), (332, 21679), (338, 21700), (341, 21706), (420, 21862), (436, 21898), (452, 21922), (462, 21943),

Gene: Zareef_42 Start: 33205, Stop: 32447, Start Num: 125

Candidate Starts for Zareef_42:

(Start: 125 @33205 has 93 MA's), (Start: 142 @33166 has 1 MA's), (Start: 150 @33148 has 1 MA's), (169, 33112), (181, 33097), (189, 33073), (202, 33037), (210, 33013), (234, 32959), (271, 32854), (285, 32833), (317, 32773), (338, 32695), (345, 32680), (364, 32650), (395, 32605), (446, 32491), (454, 32476),

Gene: Zeph_31 Start: 22807, Stop: 23595, Start Num: 130

Candidate Starts for Zeph_31:

(Start: 130 @22807 has 62 MA's), (163, 22882), (168, 22894), (193, 22948), (194, 22954), (213, 22999), (246, 23095), (252, 23113), (257, 23122), (261, 23131), (263, 23137), (332, 23326), (333, 23329), (337, 23344), (375, 23404), (444, 23551),

Gene: ZiggyZoo_25 Start: 21074, Stop: 21871, Start Num: 115

Candidate Starts for ZiggyZoo_25:

(18, 20681), (28, 20810), (48, 20921), (59, 20948), (70, 20984), (Start: 115 @21074 has 6 MA's), (Start: 150 @21128 has 1 MA's), (160, 21143), (181, 21179), (215, 21272), (221, 21284), (235, 21320), (236, 21323), (246, 21371), (249, 21380), (250, 21383), (257, 21401), (262, 21413), (263, 21416), (264, 21419), (322, 21566), (332, 21596), (338, 21617), (341, 21623), (345, 21632), (436, 21815), (452, 21839), (462, 21860),

Gene: Zilla_25 Start: 21169, Stop: 21972, Start Num: 117

Candidate Starts for Zilla_25:

(Start: 117 @21169 has 33 MA's), (Start: 142 @21217 has 1 MA's), (Start: 150 @21229 has 1 MA's), (160, 21244), (181, 21280), (215, 21373), (236, 21424), (249, 21481), (250, 21484), (257, 21502), (262, 21514), (263, 21517), (264, 21520), (332, 21697), (338, 21718), (341, 21724), (420, 21880), (436, 21916), (452, 21940), (462, 21961),

Gene: Zipp_47 Start: 41352, Stop: 42089, Start Num: 112

Candidate Starts for Zipp_47:

(11, 40737), (12, 40776), (14, 40884), (16, 40926), (26, 41067), (108, 41343), (Start: 112 @41352 has 6 MA's), (116, 41358), (Start: 122 @41367 has 19 MA's), (181, 41472), (185, 41481), (207, 41520), (210, 41532), (217, 41550), (236, 41592), (259, 41664), (262, 41670), (320, 41796), (332, 41835), (338, 41856), (345, 41871), (362, 41898), (432, 42045),

Gene: Zitch_49 Start: 39473, Stop: 40198, Start Num: 122

Candidate Starts for Zitch_49:

(60, 39326), (71, 39362), (Start: 122 @39473 has 19 MA's), (Start: 150 @39527 has 1 MA's), (181, 39578), (185, 39587), (210, 39638), (217, 39656), (236, 39698), (252, 39755), (262, 39779), (295, 39845), (320, 39905), (332, 39944), (345, 39980), (362, 40007), (419, 40118), (432, 40154),

Gene: Zodiariah_29 Start: 26113, Stop: 26916, Start Num: 119

Candidate Starts for Zodiariah_29:

(Start: 119 @26113 has 55 MA's), (Start: 125 @26122 has 93 MA's), (Start: 130 @26134 has 62 MA's), (Start: 142 @26164 has 1 MA's), (Start: 150 @26176 has 1 MA's), (164, 26200), (181, 26227), (215, 26320), (236, 26371), (237, 26374), (250, 26431), (257, 26449), (304, 26554), (332, 26641), (345, 26677), (362, 26704), (416, 26809), (436, 26863), (452, 26887),