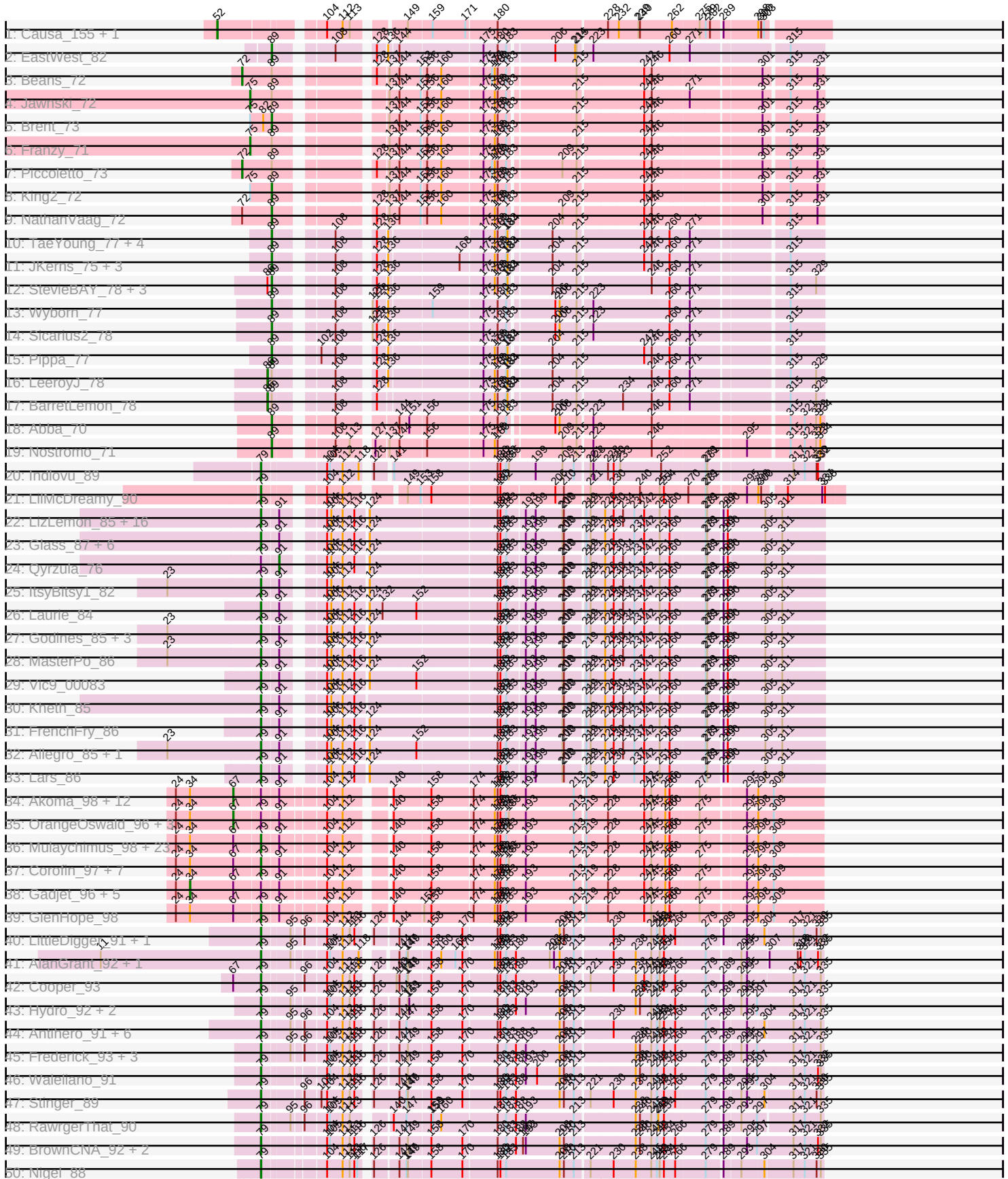
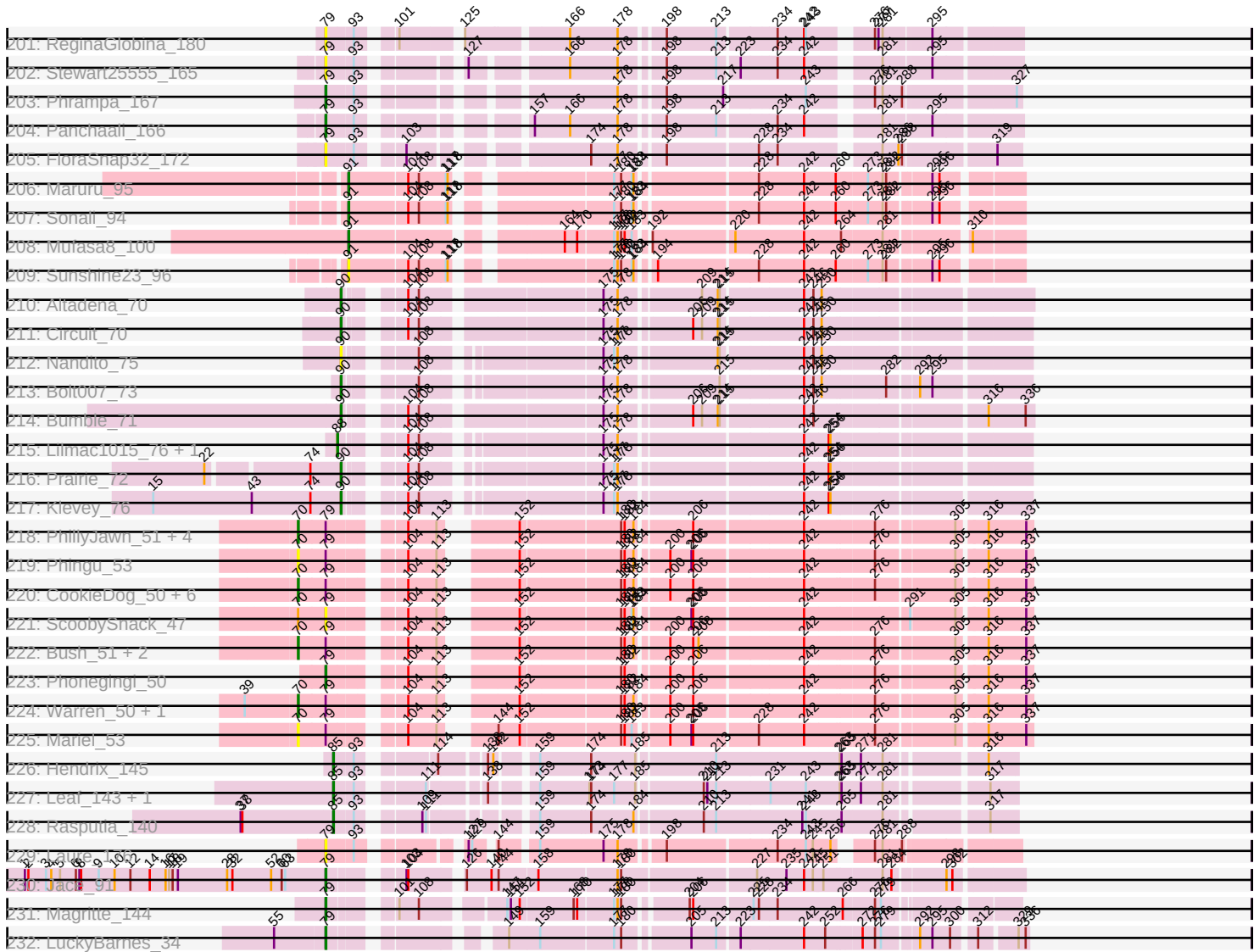




[illegible]

[illegible]

Pham 300936



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 300936 Report

This analysis was run 06/08/26 on database version 649.

Pham number 300936 has 538 members, 85 are drafts.

Phages represented in each track:

- Track 1 : Causa_155, StAugustine_152
- Track 2 : EastWest_82
- Track 3 : Beans_72
- Track 4 : Jawnski_72
- Track 5 : Brent_73
- Track 6 : Franzy_71
- Track 7 : Piccoletto_73
- Track 8 : King2_72
- Track 9 : NathanVaag_72
- Track 10 : TaeYoung_77, Grekaycon_77, Shade_76, BossLady_78, Martha_76
- Track 11 : JKerns_75, Jordan_77, Sonny_76, Zartrosa_78
- Track 12 : StevieBAY_78, GravityBall_77, BigDome_77, Timinator_78
- Track 13 : Wyborn_77
- Track 14 : Sicarius2_78
- Track 15 : Pippa_77
- Track 16 : LeeroyJ_78
- Track 17 : BarretLemon_78
- Track 18 : Abba_70
- Track 19 : Nostromo_71
- Track 20 : Indlovu_89
- Track 21 : LilMcDreamy_90
- Track 22 : LizLemon_85, PrinceCharming_85, Boyle_85, Ares_85, Lephleur_85, West99_85, Blocker23_85, Sabella_85, Kolhan_86, Coffee_84, Bananafish_86, Kaleb_85, Arbiter_82, Calamitous_86, Rhinoforte_85, Faze9_84, Hedgerow_85
- Track 23 : Glass_87, TA17A_88, Tinciduntolum_86, Brownie5_85, Rosebush_83, Eaglehorse_86, Opia_86
- Track 24 : Qyrzula_76
- Track 25 : ItsyBitsy1_82
- Track 26 : Laurie_84
- Track 27 : Godines_85, Tres_85, Phantasmagoria_84, LilSmirk_85
- Track 28 : MasterPo_86
- Track 29 : Vic9_00083
- Track 30 : Kheth_85
- Track 31 : FrenchFry_86
- Track 32 : Allegro_85, Holeinone_85
- Track 33 : Lars_86

- Track 34 : Akoma_98, TinyTerror_98, LestyG_95, Daisy_96, Bernardo_94, Marley1013_95, Chandler_97, Heathcliff_97, RomaT_97, Audrey_97, Philly_96, Yahalom_95, Kamiyu_97
- Track 35 : OrangeOswald_96, Nozo_97, Chentzyk_99, HarveySr_94
- Track 36 : Mulaychimus_98, Kronus_97, Rita1961_98, Devonte_95, Chalmers_97, Olivio_97, Ben11_97, Gervas_98, Halfpint_96, Glubnar_97, Casbah_97, Tydolla_93, Mortcellus_97, Phayeta_99, Obutu_99, SwainyDoc_97, MmasiCarm_98, Phaedruss_92, Jackstina_90, Yinz_95, Morty007_95, Compostia_96, Phlyer_97, Marlia_97
- Track 37 : Corofin_97, Deenasa_98, SynergyX_98, Briakila_98, Abinghost_97, Shenandoah_97, SlippinJimmy_100, RagingRooster_97
- Track 38 : Gadget_96, ChaChing_97, Pipefish_96, Neos5_96, Baloo_96, Athena_99
- Track 39 : GlenHope_98
- Track 40 : LittleDigger_91, Renkei_91
- Track 41 : AlanGrant_92, Vincenzo_91
- Track 42 : Cooper_93
- Track 43 : Hydro_92, VioletZ_94, Apex_93
- Track 44 : Antihero_91, Poster_90, Hally898_89, Epah_91, Lambano_89, GinPorsche_93, Nanao_91
- Track 45 : Frederick_93, BobbyK_92, Heath_86, Zemanar_90
- Track 46 : Waleliano_91
- Track 47 : Stinger_89
- Track 48 : RawrgerThat_90
- Track 49 : BrownCNA_92, Prince_92, Lolalove_94
- Track 50 : Nigel_88
- Track 51 : Fortunato_89
- Track 52 : JoyceMaria_91
- Track 53 : Austelle_92
- Track 54 : Fanaw_87
- Track 55 : QueenPie_84
- Track 56 : JaguarMi_86
- Track 57 : JAMaL_92
- Track 58 : ChrisnMich_93
- Track 59 : Mudslide_93
- Track 60 : Hangman_92, Xincheng_84
- Track 61 : Magpie_88
- Track 62 : Mithril_90
- Track 63 : Ahwei_89
- Track 64 : Mysterious_89
- Track 65 : Serendipitous_91
- Track 66 : Reprobate_89, Phelemich_87
- Track 67 : Nehemiah_89
- Track 68 : Acadian_90, Rita130_89
- Track 69 : SirJeffery_88
- Track 70 : Donny_90
- Track 71 : DigitDog_92
- Track 72 : Rich_88
- Track 73 : KarasumaRum_89, StinkyVeggy_89
- Track 74 : Suigeneris_91
- Track 75 : EastView9101_90
- Track 76 : Baee_89
- Track 77 : Shenyu_91
- Track 78 : Reccee_91

- Track 79 : Nangang_91
- Track 80 : KayaCho_90
- Track 81 : Hosp_090, 40BC_095, 39HC_095
- Track 82 : Jolie1_092
- Track 83 : ForDig_92
- Track 84 : Saguaro_84
- Track 85 : Knocker_89
- Track 86 : Funsized_89
- Track 87 : Quesadilla_91
- Track 88 : PenguinLover67_89
- Track 89 : Rinkes_87
- Track 90 : CRB2_89
- Track 91 : PinkiePie_3, Paradiddles_3, NootNoot_3, PinkiePie_253, Bartholomune_3, Bartholomune_253, Braelyn_248, NootNoot_248, Liandry_3, Squillium_255, Braelyn_3, Squillium_3, Paradiddles_244, Liandry_252
- Track 92 : Jay2Jay_5, Warpy_257, Jay2Jay_260, Warpy_5
- Track 93 : Watermoore_2, Watermoore_249, Leo04_253, Cross_2, Leo04_2, BlueOtter_250, Coogler_248, HangryHippo_2, Cross_250, Coogler_2, BlueOtter_2, HangryHippo_250
- Track 94 : Lululemon_249, PacManQ_2, Lululemon_2, PacManQ_249
- Track 95 : EGole_256, EGole_2
- Track 96 : Cursive_2, Cursive_256
- Track 97 : Larnav_252, Teutsch_249, Tribute_2, Samisti12_2, Larnav_2, Tribute_248, Samisti12_253, Sushi23_253, Sushi23_2, Teutsch_2
- Track 98 : LilSaint_256
- Track 99 : Mildred21_266, Mildred21_3
- Track 100 : FreddyDRoo_3, Eliot67_3, FreddyDRoo_256, Eliot67_254
- Track 101 : Bmoc_2, Bmoc_258
- Track 102 : Marsus_259, Marsus_2
- Track 103 : LilMartin_254, MulchMansion_258, MulchMansion_2, LilMartin_2
- Track 104 : Targaryen_2, Targaryen_253, Evy_2, Evy_240
- Track 105 : Navo_244, Navo_2
- Track 106 : Anedea_267, Anedea_2, Riptide_257, Riptide_2
- Track 107 : Davielle_2, Persimmon_2, Davielle_251, WhereRU_2, WhereRU_251, Persimmon_253
- Track 108 : Angela_259, Angela_2
- Track 109 : Scheme_256, Scheme_3, Pepperwood_3, Pepperwood_252
- Track 110 : Shuckle_2, Shuckle_250
- Track 111 : Cadmus_250, Cadmus_2
- Track 112 : Peebs_2, Peebs_249
- Track 113 : LilSaint_3
- Track 114 : KentuckyRacer_270, Jollison_260, Starbow_260, CeilingFan_268, Jollison_3, Karimac_261, Battuta_3, KentuckyRacer_2, CeilingFan_2, SaltySpitoon_3, SaltySpitoon_263, IchabodCrane_2, Battuta_260, Karimac_3, Starbow_3, Brizzy_260, IchabodCrane_255
- Track 115 : MindFlayer_2, JimJam_271, Amabiko_3, Rikishi_264, Spilled_2, Rikishi_2, Quarant19_3, Bordeaux_260, Amabiko_267, JimJam_3, Brizzy_2, PumpkinSpice_3, Quarant19_264, AcciDwight_273, Spilled_270, Spelly_3, AcciDwight_3, Spelly_269, MindFlayer_254, PumpkinSpice_267, Bordeaux_3
- Track 116 : Sollertia_260, Yaboi_4, Yaboi_265, AngryGiraffe_4, Sollertia_4, BoomerJR_259, Stanimal_4, AngryGiraffe_260, Genie2_259, Stanimal_259, Genie2_4, BoomerJR_4
- Track 117 : Wipeout_2, Wipeout_255

- Track 118 : Mugiwara_269
- Track 119 : LukeCage_2, LukeCage_265
- Track 120 : StarPlatinum_2, StarPlatinum_272
- Track 121 : Wofford_3, Wofford_261
- Track 122 : Elmer_3, Elmer_270
- Track 123 : Gibbi_273, Gibbi_2
- Track 124 : Mugiwara_2
- Track 125 : TomSawyer_2, TomSawyer_267
- Track 126 : Enygma_2, Enygma_270
- Track 127 : Tomas_258, Tomas_3
- Track 128 : Belfort_218, Comrade_215, Stigma_217, SparkleGoddess_218, Westy_222, Karp_214
- Track 129 : TunaTartare_218, Sham_210
- Track 130 : Kenrey_224
- Track 131 : Limpid_212, Annadreamy_205
- Track 132 : Maupel_221, Emma1919_221, Gilson_218, Jada_220
- Track 133 : Patelgo_221
- Track 134 : Beuffert_213
- Track 135 : Francob_223
- Track 136 : Faust_215, SeresaTree_219
- Track 137 : Moab_220
- Track 138 : Phredrick_223
- Track 139 : MeganTheeKilla_223
- Track 140 : Blueeyedbeauty_214
- Track 141 : DeluluLabubu_223, Forrest_221
- Track 142 : Grayson_185
- Track 143 : Peregrin_181
- Track 144 : Weasels2_189
- Track 145 : NiceHouse_208
- Track 146 : Trina_210
- Track 147 : Nova53_207
- Track 148 : Francesca_196
- Track 149 : Dorin_194
- Track 150 : Purplicious_1, Stillion_1
- Track 151 : ColdSoup_1, DonTron_1, Grumio_1, KingstonB_1, Soos_1, Jollymon_1, Amo99_1
- Track 152 : Clawz_1, Makar_1
- Track 153 : Sting_1
- Track 154 : Lilbeanie_90
- Track 155 : CharlottesWeb_76, JellyBelly_75
- Track 156 : LittleMunchkin_79
- Track 157 : Evaa_80
- Track 158 : FelixTres_80, CaiB_80, MossRose_79, Blackpen_78
- Track 159 : Coldpizza_75
- Track 160 : TraderJ_80
- Track 161 : Fresco_80, Axumite_80, Shatter_80, Ligma_80
- Track 162 : NHagos_76
- Track 163 : BobRoss2024_83
- Track 164 : Mariokart_76
- Track 165 : BiggityBass_78
- Track 166 : AnarQue_81
- Track 167 : Yago84_77, Sisko_78
- Track 168 : Wooper_81

- Track 169 : Sour_74
- Track 170 : CloverMinnie_79
- Track 171 : Yeshua_80
- Track 172 : MakoManhole_76
- Track 173 : AksarBAT_80
- Track 174 : Nicole72_57
- Track 175 : Megan_56
- Track 176 : Matzah_57
- Track 177 : Terij_55
- Track 178 : Cressida_58
- Track 179 : Kozie_54
- Track 180 : MementoMori_56
- Track 181 : Cinna_55
- Track 182 : Margaery_54
- Track 183 : EugeneKrabs_18
- Track 184 : Zhengyi_18
- Track 185 : KingKamren_18
- Track 186 : AloeVera_17, Waterlily_17, Ashton_17, Truong_17, JordanFarm_17, Barroma_17, ShyRosie_17, Akoni_17
- Track 187 : Astartes_18, RicoCaldo_18, Keough_17, Phractured_18, Phedro_18, Pharky_18, StagePhright_18, Fullmetal_18, TrippleS_17, PhriedRice_18, Moleficent_18
- Track 188 : JimmyPG_17
- Track 189 : Morrill_17
- Track 190 : SoilSleuth_17
- Track 191 : Mazun_18
- Track 192 : Yafa_17, ThirteenKH_17, Atraxi_17
- Track 193 : SJReid_179
- Track 194 : Atuin_167
- Track 195 : Ellewin_164, BooTeria_173, WaddleDee_160, KSunshine22_169, Emmetator_167, Artu_166, DunneganBoMo_164
- Track 196 : FrostedClock_178, Bloom_179, Talia1610_176, Mimi_175, Racecar_176
- Track 197 : LeoJr_176
- Track 198 : Patbob_173, GoldenEssence_162
- Track 199 : Chilliams_172
- Track 200 : Rockabye_179
- Track 201 : ReginaGlobina_180
- Track 202 : Stewart25555_165
- Track 203 : Phrampa_167
- Track 204 : Panchaali_166
- Track 205 : FloraSnap32_172
- Track 206 : Maruru_95
- Track 207 : Sonali_94
- Track 208 : Mufasa8_100
- Track 209 : Sunshine23_96
- Track 210 : Altadena_70
- Track 211 : Circuit_70
- Track 212 : Nandito_75
- Track 213 : Bolt007_73
- Track 214 : Bumble_71
- Track 215 : Lilmac1015_76, CalWood4100_76
- Track 216 : Prairie_72

- Track 217 : Klevey_76
- Track 218 : PhillyJawn_51, Dropshot_50, Guzman_50, Appa_50, Winchester007_66
- Track 219 : Phingu_53
- Track 220 : CookieDog_50, Losacky_52, Antuna_52, Jakelyne_53, MenE_52, Violeta_52, Carrillo_52
- Track 221 : ScoobySnack_47
- Track 222 : Bush_51, Blett_50, NCRodriguez_52
- Track 223 : Phonegingi_50
- Track 224 : Warren_50, Pickles13_49
- Track 225 : Mariel_53
- Track 226 : Hendrix_145
- Track 227 : Leaf_143, Dewdrop_143
- Track 228 : Rasputia_140
- Track 229 : Laure_176
- Track 230 : Jace_91
- Track 231 : Magritte_144
- Track 232 : LuckyBarnes_34

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

The start number called the most often in the published annotations is 79, it was called in 157 of the 453 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

• 39HC_095, 40BC_095, Abinghost_97, Acadian_90, Ahwei_89, AksarBAT_80, AlanGrant_92, Allegro_85, Amo99_1, AnarQue_81, Antihero_91, Apex_93, Arbiter_82, Ares_85, Artu_166, Atuin_167, Austelle_92, Axumite_80, Baee_89, Bananafish_86, Ben11_97, BiggityBass_78, Blackpen_78, Blocker23_85, Bloom_179, BobRoss2024_83, BobbyK_92, BooTeria_173, Boyle_85, Briakila_98, BrownCNA_92, Brownie5_85, CRB2_89, CaiB_80, Calamitous_86, Casbah_97, Chalmers_97, CharlottesWeb_76, Chilliamps_172, ChrisnMich_93, Clawz_1, Coffee_84, ColdSoup_1, Coldpizza_75, Compostia_96, Cooper_93, Corofin_97, Deenasa_98, Devonte_95, DigitDog_92, DonTron_1, Donny_90, Dorin_194, DunneganBoMo_164, Eaglehorse_86, EastView9101_90, Ellewin_164, Emmetator_167, Epah_91, Evaa_80, Fanaw_87, Faze9_84, FelixTres_80, FloraSnap32_172, ForDig_92, Fortunato_89, Francesca_196, Frederick_93, FrenchFry_86, Fresco_80, FrostedClock_178, Funsized_89, Gervas_98, GinPorsche_93, Glass_87, GlenHope_98, Glubnar_97, Godines_85, GoldenEssence_162, Grumio_1, Halfpint_96, Hally898_89, Hangman_92, Heath_86, Hedgerow_85, Holeinone_85, Hosp_090, Hydro_92, Indlovu_89, ItsyBitsy1_82, JAMaL_92, Jace_91, Jackstina_90, JaguarMi_86, JellyBelly_75, Jolie1_092, Jollymon_1, JoyceMaria_91, KSunshine22_169, Kaleb_85, KarasumaRum_89, KayaCho_90, Kheth_85, KingstonB_1, Knocker_89, Kolhan_86, Kronus_97, Lambano_89, Lars_86, Laure_176, Laurie_84, LeoJr_176, Lepheur_85, Ligma_80, LilMcDreamy_90, LilSmirk_85, LittleDigger_91, LittleMunchkin_79, LizLemon_85, Lolalove_94, LuckyBarnes_34, Magpie_88, Magritte_144, Makar_1, MakoManhole_76, Mariokart_76, Marlia_97, MasterPo_86, Mimi_175, Mithril_90, MmasiCarm_98, Mortcellus_97, Morty007_95, MossRose_79, Mudslide_93, Mulaychimus_98, Mysterious_89, NHagos_76, Nanao_91, Nangang_91, Nehemiah_89, Nigel_88, Nova53_207, Obutu_99, Olivio_97, Opia_86,

Panchaali_166, Patbob_173, PenguinLover67_89, Phaedrus_92, Phantasmagoria_84, Phayeta_99, Phelemich_87, Phlyer_97, Phonegingi_50, Phrampa_167, Poster_90, PrinceCharming_85, Prince_92, Purplicious_1, QueenPie_84, Quesadilla_91, Racecar_176, RagingRooster_97, RawrgerThat_90, Reccee_91, ReginaGlobina_180, Renkei_91, Reprobate_89, Rhinoforte_85, Rich_88, Rinkes_87, Rita130_89, Rita1961_98, Rockabye_179, Rosebush_83, SJReid_179, Sabella_85, ScoobySnack_47, Serendipitous_91, Shatter_80, Shenandoah_97, Shenyu_91, SirJeffery_88, Sisko_78, SlippinJimmy_100, Soos_1, Sour_74, Stewart25555_165, Stillion_1, Sting_1, Stinger_89, StinkyVeggy_89, Suigeneris_91, SwainyDoc_97, SynergyX_98, TA17A_88, Talia1610_176, Tinciduntolum_86, TraderJ_80, Tres_85, Tydolla_93, Vic9_00083, Vincenzo_91, VioletZ_94, WaddleDee_160, Waleliano_91, West99_85, Wooper_81, Xincheng_84, Yago84_77, Yeshua_80, Yinz_95, Zemanar_90,

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

- Akoma_98, Antuna_52, Appa_50, Athena_99, Audrey_97, Baloo_96, Bernardo_94, Blett_50, Bush_51, Carrillo_52, ChaChing_97, Chandler_97, Chentzyk_99, CloverMinnie_79, CookieDog_50, Daisy_96, Dropshot_50, Gadget_96, Guzman_50, HarveySr_94, Heathcliff_97, Jakelyne_53, Kamiyu_97, LestyG_95, Losacky_52, Mariel_53, Marley1013_95, MenE_52, NCRodriguez_52, Neos5_96, Nozo_97, OrangeOswald_96, PhillyJawn_51, Philly_96, Phingu_53, Pickles13_49, Pipefish_96, Qyrzula_76, RomaT_97, Saguaro_84, TinyTerror_98, Violeta_52, Warren_50, Winchester007_66, Yahalom_95,

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

- Abba_70, AcciDwight_273, AcciDwight_3, Akoni_17, AloeVera_17, Altadena_70, Amabiko_267, Amabiko_3, Anedea_2, Anedea_267, Angela_2, Angela_259, AngryGiraffe_260, AngryGiraffe_4, Annadreamy_205, Ashton_17, Astartes_18, Atraxi_17, BarretLemon_78, Barroma_17, Bartholomune_253, Bartholomune_3, Battuta_260, Battuta_3, Beans_72, Belfort_218, Beuffert_213, BigDome_77, BlueOtter_2, BlueOtter_250, Blueeyedbeauty_214, Bmoc_2, Bmoc_258, Bolt007_73, BoomerJR_259, BoomerJR_4, Bordeaux_260, Bordeaux_3, BossLady_78, Braelyn_248, Braelyn_3, Brent_73, Brizzy_2, Brizzy_260, Bumble_71, Cadmus_2, Cadmus_250, CalWood4100_76, Causa_155, CeilingFan_2, CeilingFan_268, Cinna_55, Circuit_70, Comrade_215, Coogler_2, Coogler_248, Cressida_58, Cross_2, Cross_250, Cursive_2, Cursive_256, Davielle_2, Davielle_251, DeluluLabubu_223, Dewdrop_143, EGole_2, EGole_256, EastWest_82, Eliot67_254, Eliot67_3, Elmer_270, Elmer_3, Emma1919_221, Enygma_2, Enygma_270, EugeneKrabs_18, Evy_2, Evy_240, Faust_215, Forrest_221, Francob_223, Franzy_71, FreddyDRoo_256, FreddyDRoo_3, Fullmetal_18, Genie2_259, Genie2_4, Gibbi_2, Gibbi_273, Gilson_218, GravityBall_77, Grayson_185, Grekaycon_77, HangryHippo_2, HangryHippo_250, Hendrix_145, IchabodCrane_2, IchabodCrane_255, JKerns_75, Jada_220, Jawnski_72, Jay2Jay_260, Jay2Jay_5, JimJam_271, JimJam_3, JimmyPG_17, Jollison_260, Jollison_3, JordanFarm_17, Jordan_77, Karimac_261, Karimac_3, Karp_214, Kenrey_224, KentuckyRacer_2, KentuckyRacer_270, Keough_17, King2_72, KingKamren_18, Klevey_76, Kozie_54, Larnav_2, Larnav_252, Leaf_143, LeeroyJ_78, Leo04_2, Leo04_253, Liandry_252, Liandry_3, LilMartin_2, LilMartin_254, LilSaint_256, LilSaint_3, Lilbeanie_90, Lilmac1015_76, Limpid_212, LukeCage_2, LukeCage_265, Lululemon_2, Lululemon_249, Margaery_54, Marsus_2, Marsus_259, Martha_76, Maruru_95, Matzah_57, Maupel_221, Mazun_18, MeganTheeKilla_223, Megan_56, MementoMori_56, Mildred21_266, Mildred21_3, MindFlayer_2, MindFlayer_254, Moab_220, Moleficent_18, Morrill_17, Mufasa8_100, Mugiware_2, Mugiware_269,

MulchMansion_2, MulchMansion_258, Nandito_75, NathanVaag_72, Navo_2, Navo_244, NiceHouse_208, Nicole72_57, NootNoot_248, NootNoot_3, Nostromo_71, PacManQ_2, PacManQ_249, Paradiddles_244, Paradiddles_3, Patelgo_221, Peebs_2, Peebs_249, Pepperwood_252, Pepperwood_3, Peregrin_181, Persimmon_2, Persimmon_253, Pharky_18, Phedro_18, Phraptured_18, Phredrick_223, PhriedRice_18, Piccoletto_73, PinkiePie_253, PinkiePie_3, Pippa_77, Prairie_72, PumpkinSpice_267, PumpkinSpice_3, Quarant19_264, Quarant19_3, Rasputia_140, RicoCaldo_18, Rikishi_2, Rikishi_264, Riptide_2, Riptide_257, SaltySpittoon_263, SaltySpittoon_3, Samisti12_2, Samisti12_253, Scheme_256, Scheme_3, SeresaTree_219, Shade_76, Sham_210, Shuckle_2, Shuckle_250, ShyRosie_17, Sicarius2_78, SoilSleuth_17, Sollertia_260, Sollertia_4, Sonali_94, Sonny_76, SparkleGoddess_218, Spelly_269, Spelly_3, Spilled_2, Spilled_270, Squillium_255, Squillium_3, StAugustine_152, StagePhright_18, Stanimal_259, Stanimal_4, StarPlatinum_2, StarPlatinum_272, Starbow_260, Starbow_3, StevieBAY_78, Stigma_217, Sunshine23_96, Sushi23_2, Sushi23_253, TaeYoung_77, Targaryen_2, Targaryen_253, Terij_55, Teutsch_2, Teutsch_249, ThirteenKH_17, Timinator_78, TomSawyer_2, TomSawyer_267, Tomas_258, Tomas_3, Tribute_2, Tribute_248, Trina_210, TrippleS_17, Truong_17, TunaTartare_218, Warpy_257, Warpy_5, Waterlily_17, Watermoore_2, Watermoore_249, Weasels2_189, Westy_222, WhereRU_2, WhereRU_251, Wipeout_2, Wipeout_255, Wofford_261, Wofford_3, Wyborn_77, Yaboi_265, Yaboi_4, Yafa_17, Zartrosa_78, Zhengyi_18,

Summary by start number:

Start 27:

- Found in 6 of 538 (1.1%) of genes in pham
- Manual Annotations of this start: 1 of 453
- Called 16.7% of time when present
- Phage (with cluster) where this start called: CloverMinnie_79 (DR),

Start 33:

- Found in 16 of 538 (3.0%) of genes in pham
- Manual Annotations of this start: 1 of 453
- Called 6.2% of time when present
- Phage (with cluster) where this start called: Mugiwara_2 (BE2),

Start 34:

- Found in 56 of 538 (10.4%) of genes in pham
- Manual Annotations of this start: 6 of 453
- Called 10.7% of time when present
- Phage (with cluster) where this start called: Athena_99 (B3), Baloo_96 (B3), ChaChing_97 (B3), Gadget_96 (B3), Neos5_96 (B3), Pipefish_96 (B3),

Start 35:

- Found in 26 of 538 (4.8%) of genes in pham
- No Manual Annotations of this start.
- Called 15.4% of time when present
- Phage (with cluster) where this start called: Eliot67_254 (BE1), Eliot67_3 (BE1), FreddyDRoo_256 (BE1), FreddyDRoo_3 (BE1),

Start 36:

- Found in 26 of 538 (4.8%) of genes in pham

- Manual Annotations of this start: 4 of 453
- Called 15.4% of time when present
- Phage (with cluster) where this start called: EGole_2 (BE1), EGole_256 (BE1), Peebs_2 (BE1), Peebs_249 (BE1),

Start 49:

- Found in 2 of 538 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 453
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Saguaro_84 (B7),

Start 52:

- Found in 3 of 538 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 453
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Causa_155 (AI), StAugustine_152 (AI),

Start 53:

- Found in 56 of 538 (10.4%) of genes in pham
- Manual Annotations of this start: 4 of 453
- Called 7.1% of time when present
- Phage (with cluster) where this start called: Jay2Jay_260 (BE1), Jay2Jay_5 (BE1), Warpy_257 (BE1), Warpy_5 (BE1),

Start 67:

- Found in 60 of 538 (11.2%) of genes in pham
- Manual Annotations of this start: 17 of 453
- Called 28.3% of time when present
- Phage (with cluster) where this start called: Akoma_98 (B3), Audrey_97 (B3), Bernardo_94 (B3), Chandler_97 (B3), Chentzyk_99 (B3), Daisy_96 (B3), HarveySr_94 (B3), Heathcliff_97 (B3), Kamiyu_97 (B3), LestyG_95 (B3), Marley1013_95 (B3), Nozo_97 (B3), OrangeOswald_96 (B3), Philly_96 (B3), RomaT_97 (B3), TinyTerror_98 (B3), Yahalom_95 (B3),

Start 70:

- Found in 20 of 538 (3.7%) of genes in pham
- Manual Annotations of this start: 10 of 453
- Called 95.0% of time when present
- Phage (with cluster) where this start called: Antuna_52 (GA), Appa_50 (GA), Blett_50 (GA), Bush_51 (GA), Carrillo_52 (GA), CookieDog_50 (GA), Dropshot_50 (GA), Guzman_50 (GA), Jakelyne_53 (GA), Losacky_52 (GA), Mariel_53 (GA), MenE_52 (GA), NCRodriguez_52 (GA), PhillyJawn_51 (GA), Phingu_53 (GA), Pickles13_49 (GA), Violeta_52 (GA), Warren_50 (GA), Winchester007_66 (GA),

Start 71:

- Found in 42 of 538 (7.8%) of genes in pham
- Manual Annotations of this start: 21 of 453
- Called 54.8% of time when present
- Phage (with cluster) where this start called: AcciDwight_273 (BE2), AcciDwight_3 (BE2), Amabiko_267 (BE2), Amabiko_3 (BE2), Bordeaux_260 (BE2), Bordeaux_3 (BE2), Brizzy_2 (BE2), JimJam_271 (BE2), JimJam_3 (BE2), MindFlayer_2 (BE2), MindFlayer_254 (BE2), PumpkinSpice_267 (BE2), PumpkinSpice_3 (BE2), Quarant19_264 (BE2), Quarant19_3 (BE2), Rikishi_2 (BE2), Rikishi_264 (BE2),

Spelly_269 (BE2), Spelly_3 (BE2), Spilled_2 (BE2), Spilled_270 (BE2), Wipeout_2 (BE2), Wipeout_255 (BE2),

Start 72:

- Found in 3 of 538 (0.6%) of genes in pham
- Manual Annotations of this start: 2 of 453
- Called 66.7% of time when present
- Phage (with cluster) where this start called: Beans_72 (AO1), Piccoletto_73 (AO1),

Start 73:

- Found in 2 of 538 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 453
- Called 50.0% of time when present
- Phage (with cluster) where this start called: LilSaint_3 (BE1),

Start 75:

- Found in 4 of 538 (0.7%) of genes in pham
- Manual Annotations of this start: 2 of 453
- Called 50.0% of time when present
- Phage (with cluster) where this start called: Franzy_71 (AO1), Jawnski_72 (AO1),

Start 78:

- Found in 4 of 538 (0.7%) of genes in pham
- Manual Annotations of this start: 4 of 453
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Grayson_185 (CB), Peregrin_181 (CB), Trina_210 (CE), Weasels2_189 (CB),

Start 79:

- Found in 259 of 538 (48.1%) of genes in pham
- Manual Annotations of this start: 157 of 453
- Called 82.6% of time when present
- Phage (with cluster) where this start called: 39HC_095 (B6), 40BC_095 (B6), Abinghost_97 (B3), Acadian_90 (B5), Ahwei_89 (B4), AksarBAT_80 (DR), AlanGrant_92 (B4), Allegro_85 (B2), Amo99_1 (CP), AnarQue_81 (DR), Antihero_91 (B4), Apex_93 (B4), Arbiter_82 (B2), Ares_85 (B2), Artu_166 (FC), Atuin_167 (FC), Austelle_92 (B4), Axumite_80 (DR), Baee_89 (B5), Bananafish_86 (B2), Ben11_97 (B3), BiggityBass_78 (DR), Blackpen_78 (DR), Blocker23_85 (B2), Bloom_179 (FC), BobRoss2024_83 (DR), BobbyK_92 (B4), BooTeria_173 (FC), Boyle_85 (B2), Briakila_98 (B3), BrownCNA_92 (B4), Brownie5_85 (B2), CRB2_89 (B9), CaiB_80 (DR), Calamitous_86 (B2), Casbah_97 (B3), Chalmers_97 (B3), CharlottesWeb_76 (DR), Chilliams_172 (FC), ChrisnMich_93 (B4), Clawz_1 (CP), Coffee_84 (B2), ColdSoup_1 (CP), Coldpizza_75 (DR), Compostia_96 (B3), Cooper_93 (B4), Corofin_97 (B3), Deenasa_98 (B3), Devonte_95 (B3), DigitDog_92 (B5), DonTron_1 (CP), Donny_90 (B5), Dorin_194 (CG), DunneganBoMo_164 (FC), Eaglehorse_86 (B2), EastView9101_90 (B5), Ellewin_164 (FC), Emmetator_167 (FC), Epah_91 (B4), Evaa_80 (DR), Fanaw_87 (B4), Faze9_84 (B2), FelixTres_80 (DR), FloraSnap32_172 (FC), ForDig_92 (B6), Fortunato_89 (B4), Francesca_196 (CG), Frederick_93 (B4), FrenchFry_86 (B2), Fresco_80 (DR), FrostedClock_178 (FC), Funsized_89 (B9), Gervas_98 (B3), GinPorsche_93 (B4), Glass_87 (B2), GlenHope_98 (B3), Glubnar_97 (B3), Godines_85 (B2), GoldenEssence_162 (FC), Grumio_1 (CP), Halfpint_96 (B3), Hally898_89 (B4), Hangman_92 (B4), Heath_86 (B4), Hedgerow_85 (B2), Holeinone_85 (B2), Hosp_090 (B6), Hydro_92 (B4),

Indlovu_89 (B11), ItsyBitsy1_82 (B2), JAMaL_92 (B4), Jace_91 (singleton), Jackstina_90 (B3), JaguarMi_86 (B4), JellyBelly_75 (DR), Jolie1_092 (B6), Jollymon_1 (CP), JoyceMaria_91 (B4), KSunshine22_169 (FC), Kaleb_85 (B2), KarasumaRum_89 (B5), KayaCho_90 (B6), Kheth_85 (B2), KingstonB_1 (CP), Knocker_89 (B9), Kolhan_86 (B2), Kronus_97 (B3), Lambano_89 (B4), Lars_86 (B2), Laure_176 (UNK), Laurie_84 (B2), LeoJr_176 (FC), Lephleur_85 (B2), Ligma_80 (DR), LilMcDreamy_90 (B12), LilSmirk_85 (B2), LittleDigger_91 (B4), LittleMunchkin_79 (DR), LizLemon_85 (B2), Lolalove_94 (B4), LuckyBarnes_34 (singleton), Magpie_88 (B4), Magritte_144 (singleton), Makar_1 (CP), MakoManhole_76 (DR), Mariokart_76 (DR), Marlia_97 (B3), MasterPo_86 (B2), Mimi_175 (FC), Mithril_90 (B4), MmasiCarm_98 (B3), Mortcellus_97 (B3), Morty007_95 (B3), MossRose_79 (DR), Mudslide_93 (B4), Mulaychimus_98 (B3), Mysterious_89 (B5), NHagos_76 (DR), Nanao_91 (B4), Nangang_91 (B5), Nehemiah_89 (B5), Nigel_88 (B4), Nova53_207 (CG), Obutu_99 (B3), Olivio_97 (B3), Opia_86 (B2), Panchaali_166 (FC), Patbob_173 (FC), Penguin Lover67_89 (B9), Phaedrus_92 (B3), Phantasmagoria_84 (B2), Phayeta_99 (B3), Phelemich_87 (B5), Phlyer_97 (B3), Phonegingi_50 (GA), Phrampa_167 (FC), Poster_90 (B4), PrinceCharming_85 (B2), Prince_92 (B4), Purplicious_1 (CP), QueenPie_84 (B4), Quesadilla_91 (B9), Racecar_176 (FC), RagingRooster_97 (B3), RawrgerThat_90 (B4), Reccee_91 (B5), ReginaGlobina_180 (FC), Renkei_91 (B4), Reprobate_89 (B5), Rhinoforte_85 (B2), Rich_88 (B5), Rinkes_87 (B9), Rita130_89 (B5), Rita1961_98 (B3), Rockabye_179 (FC), Rosebush_83 (B2), SJReid_179 (FC), Sabella_85 (B2), ScoobySnack_47 (GA), Serendipitous_91 (B5), Shatter_80 (DR), Shenandoah_97 (B3), Shenyu_91 (B5), SirJeffery_88 (B5), Sisko_78 (DR), SlippinJimmy_100 (B3), Soos_1 (CP), Sour_74 (DR), Stewart25555_165 (FC), Stillion_1 (CP), Sting_1 (CP), Stinger_89 (B4), StinkyVeggy_89 (B5), Suigeneris_91 (B5), SwainyDoc_97 (B3), SynergyX_98 (B3), TA17A_88 (B2), Talia1610_176 (FC), Tinciduntolum_86 (B2), TraderJ_80 (DR), Tres_85 (B2), Tydolla_93 (B3), Vic9_00083 (B2), Vincenzo_91 (B4), VioletZ_94 (B4), WaddleDee_160 (FC), Waleliano_91 (B4), West99_85 (B2), Wooper_81 (DR), Xincheng_84 (B4), Yago84_77 (DR), Yeshua_80 (DR), Yinz_95 (B3), Zemanar_90 (B4),

Start 80:

- Found in 9 of 538 (1.7%) of genes in pham
- Manual Annotations of this start: 9 of 453
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Belfort_218 (BK1), Comrade_215 (BK1), Francob_223 (BK1), Karp_214 (BK1), Moab_220 (BK1), Patelgo_221 (BK1), SparkleGoddess_218 (BK1), Stigma_217 (BK1), Westy_222 (BK1),

Start 81:

- Found in 176 of 538 (32.7%) of genes in pham
- Manual Annotations of this start: 135 of 453
- Called 79.0% of time when present
- Phage (with cluster) where this start called: Anedea_2 (BE1), Anedea_267 (BE1), Angela_2 (BE1), Angela_259 (BE1), AngryGiraffe_260 (BE2), AngryGiraffe_4 (BE2), Bartholomune_253 (BE1), Bartholomune_3 (BE1), Battuta_260 (BE2), Battuta_3 (BE2), BlueOtter_2 (BE1), BlueOtter_250 (BE1), Bmoc_2 (BE1), Bmoc_258 (BE1), BoomerJR_259 (BE2), BoomerJR_4 (BE2), Braelyn_248 (BE1), Braelyn_3 (BE1), Brizzy_260 (BE2), Cadmus_2 (BE1), Cadmus_250 (BE1), CeilingFan_2 (BE2), CeilingFan_268 (BE2), Coogler_2 (BE1), Coogler_248 (BE1), Cross_2 (BE1), Cross_250 (BE1), Cursive_2 (BE1), Cursive_256 (BE1), Davielle_2 (BE1), Davielle_251 (BE1), DeluluLabubu_223 (BK1), Elmer_270 (BE2), Elmer_3 (BE2),

Emma1919_221 (BK1), Enygma_2 (BE2), Enygma_270 (BE2), Evy_2 (BE1), Evy_240 (BE1), Faust_215 (BK1), Forrest_221 (BK1), Genie2_259 (BE2), Genie2_4 (BE2), Gibbi_2 (BE2), Gibbi_273 (BE2), Gilson_218 (BK1), HangryHippo_2 (BE1), HangryHippo_250 (BE1), IchabodCrane_2 (BE2), IchabodCrane_255 (BE2), Jada_220 (BK1), Jollison_260 (BE2), Jollison_3 (BE2), Karimac_261 (BE2), Karimac_3 (BE2), Kenrey_224 (BK1), KentuckyRacer_2 (BE2), KentuckyRacer_270 (BE2), Larnav_2 (BE1), Larnav_252 (BE1), Leo04_2 (BE1), Leo04_253 (BE1), Liandry_252 (BE1), Liandry_3 (BE1), LilMartin_2 (BE1), LilMartin_254 (BE1), LilSaint_256 (BE1), LukeCage_2 (BE2), LukeCage_265 (BE2), Lululemon_2 (BE1), Lululemon_249 (BE1), Marsus_2 (BE1), Marsus_259 (BE1), Maupel_221 (BK1), MeganTheeKilla_223 (BK1), Mildred21_266 (BE1), Mildred21_3 (BE1), Mugiwara_269 (BE2), MulchMansion_2 (BE1), MulchMansion_258 (BE1), Navo_2 (BE1), Navo_244 (BE1), NiceHouse_208 (CE), NootNoot_248 (BE1), NootNoot_3 (BE1), PacManQ_2 (BE1), PacManQ_249 (BE1), Paradiddles_244 (BE1), Paradiddles_3 (BE1), Pepperwood_252 (BE1), Pepperwood_3 (BE1), Persimmon_2 (BE1), Persimmon_253 (BE1), Phredrick_223 (BK1), PinkiePie_253 (BE1), PinkiePie_3 (BE1), Riptide_2 (BE1), Riptide_257 (BE1), SaltySpitoon_263 (BE2), SaltySpitoon_3 (BE2), Samisti12_2 (BE1), Samisti12_253 (BE1), Scheme_256 (BE1), Scheme_3 (BE1), SeresaTree_219 (BK1), Sham_210 (BK1), Shuckle_2 (BE1), Shuckle_250 (BE1), Sollertia_260 (BE2), Sollertia_4 (BE2), Squillium_255 (BE1), Squillium_3 (BE1), Stanimal_259 (BE2), Stanimal_4 (BE2), StarPlatinum_2 (BE2), StarPlatinum_272 (BE2), Starbow_260 (BE2), Starbow_3 (BE2), Sushi23_2 (BE1), Sushi23_253 (BE1), Targaryen_2 (BE1), Targaryen_253 (BE1), Deutsch_2 (BE1), Deutsch_249 (BE1), TomSawyer_2 (BE2), TomSawyer_267 (BE2), Tomas_258 (BE2), Tomas_3 (BE2), Tribute_2 (BE1), Tribute_248 (BE1), TunaTartare_218 (BK1), Watermoore_2 (BE1), Watermoore_249 (BE1), WhereRU_2 (BE1), WhereRU_251 (BE1), Wofford_261 (BE2), Wofford_3 (BE2), Yaboi_265 (BE2), Yaboi_4 (BE2),

Start 83:

- Found in 4 of 538 (0.7%) of genes in pham
- Manual Annotations of this start: 4 of 453
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Annadreamy_205 (BK1), Beuffert_213 (BK1), Blueeyedbeauty_214 (BK1), Limpid_212 (BK1),

Start 85:

- Found in 42 of 538 (7.8%) of genes in pham
- Manual Annotations of this start: 37 of 453
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Akoni_17 (EK2), AloeVera_17 (EK2), Ashton_17 (EK2), Astartes_18 (EK2), Atraxi_17 (EK2), Barroma_17 (EK2), Cinna_55 (EI), Cressida_58 (EI), Dewdrop_143 (GC), EugeneKrabs_18 (EK), Fullmetal_18 (EK2), Hendrix_145 (GC), JimmyPG_17 (EK2), JordanFarm_17 (EK2), Keough_17 (EK2), KingKamren_18 (EK), Kozi_54 (EI), Leaf_143 (GC), Margaery_54 (EI), Matzah_57 (EI), Mazun_18 (EK2), Megan_56 (EC), MementoMori_56 (EI), Moleficent_18 (EK2), Morrill_17 (EK2), Nicole72_57 (EC), Pharky_18 (EK2), Phedro_18 (EK2), Phracted_18 (EK2), PhriedRice_18 (EK2), Rasputia_140 (GC), RicoCaldo_18 (EK2), ShyRosie_17 (EK2), SoilSleuth_17 (EK2), StagePhright_18 (EK2), Terij_55 (EI), ThirteenKH_17 (EK2), TrippleS_17 (EK2), Truong_17 (EK2), Waterlily_17 (EK2), Yafa_17 (EK2), Zhengyi_18 (EK),

Start 86:

- Found in 6 of 538 (1.1%) of genes in pham

- Manual Annotations of this start: 2 of 453
- Called 33.3% of time when present
- Phage (with cluster) where this start called: BarretLemon_78 (AO2), LeeroyJ_78 (AO2),

Start 88:

- Found in 2 of 538 (0.4%) of genes in pham
- Manual Annotations of this start: 1 of 453
- Called 100.0% of time when present
- Phage (with cluster) where this start called: CalWood4100_76 (FH), Lilmac1015_76 (FH),

Start 89:

- Found in 28 of 538 (5.2%) of genes in pham
- Manual Annotations of this start: 21 of 453
- Called 78.6% of time when present
- Phage (with cluster) where this start called: Abba_70 (AO3), BigDome_77 (AO2), BossLady_78 (AO2), Brent_73 (AO1), EastWest_82 (AO), GravityBall_77 (AO2), Grekaycon_77 (AO2), JKerns_75 (AO2), Jordan_77 (AO2), King2_72 (AO1), Martha_76 (AO2), NathanVaag_72 (AO1), Nostromo_71 (AO3), Pippa_77 (AO2), Shade_76 (AO2), Sicarius2_78 (AO2), Sonny_76 (AO2), StevieBAY_78 (AO2), TaeYoung_77 (AO2), Timinator_78 (AO2), Wyborn_77 (AO2), Zartrosa_78 (AO2),

Start 90:

- Found in 8 of 538 (1.5%) of genes in pham
- Manual Annotations of this start: 7 of 453
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Altadena_70 (FH), Bolt007_73 (FH), Bumble_71 (FH), Circuit_70 (FH), Klevey_76 (FH), Lilbeanie_90 (DE5), Nandito_75 (FH), Prairie_72 (FH),

Start 91:

- Found in 130 of 538 (24.2%) of genes in pham
- Manual Annotations of this start: 4 of 453
- Called 3.8% of time when present
- Phage (with cluster) where this start called: Maruru_95 (FG), Mufasa8_100 (FG), Qyrzula_76 (B2), Sonali_94 (FG), Sunshine23_96 (FG),

Summary by clusters:

There are 34 clusters represented in this pham: singleton, GA, B11, FC, B12, CE, FG, FH, DR, UNK, EI, EK, AI, CB, CG, EC, GC, AO2, AO1, CP, AO, DE5, B9, B4, B5, B6, B7, B2, B3, BE2, AO3, BE1, EK2, BK1,

Info for manual annotations of cluster AI:

- Start number 52 was manually annotated 2 times for cluster AI.

Info for manual annotations of cluster AO:

- Start number 89 was manually annotated 1 time for cluster AO.

Info for manual annotations of cluster AO1:

- Start number 72 was manually annotated 2 times for cluster AO1.
- Start number 75 was manually annotated 2 times for cluster AO1.

- Start number 89 was manually annotated 3 times for cluster AO1.

Info for manual annotations of cluster AO2:

- Start number 86 was manually annotated 2 times for cluster AO2.
- Start number 89 was manually annotated 15 times for cluster AO2.

Info for manual annotations of cluster AO3:

- Start number 89 was manually annotated 2 times for cluster AO3.

Info for manual annotations of cluster B11:

- Start number 79 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:

- Start number 79 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B2:

- Start number 79 was manually annotated 36 times for cluster B2.
- Start number 91 was manually annotated 1 time for cluster B2.

Info for manual annotations of cluster B3:

- Start number 34 was manually annotated 6 times for cluster B3.
- Start number 67 was manually annotated 17 times for cluster B3.
- Start number 79 was manually annotated 28 times for cluster B3.

Info for manual annotations of cluster B4:

- Start number 79 was manually annotated 28 times for cluster B4.

Info for manual annotations of cluster B5:

- Start number 79 was manually annotated 11 times for cluster B5.

Info for manual annotations of cluster B6:

- Start number 79 was manually annotated 2 times for cluster B6.

Info for manual annotations of cluster B7:

- Start number 49 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B9:

- Start number 79 was manually annotated 6 times for cluster B9.

Info for manual annotations of cluster BE1:

- Start number 36 was manually annotated 4 times for cluster BE1.
- Start number 53 was manually annotated 4 times for cluster BE1.
- Start number 73 was manually annotated 1 time for cluster BE1.
- Start number 81 was manually annotated 79 times for cluster BE1.

Info for manual annotations of cluster BE2:

- Start number 33 was manually annotated 1 time for cluster BE2.
- Start number 71 was manually annotated 21 times for cluster BE2.
- Start number 81 was manually annotated 44 times for cluster BE2.

Info for manual annotations of cluster BK1:

- Start number 80 was manually annotated 9 times for cluster BK1.
- Start number 81 was manually annotated 11 times for cluster BK1.

- Start number 83 was manually annotated 4 times for cluster BK1.

Info for manual annotations of cluster CB:

- Start number 78 was manually annotated 3 times for cluster CB.

Info for manual annotations of cluster CE:

- Start number 78 was manually annotated 1 time for cluster CE.
- Start number 81 was manually annotated 1 time for cluster CE.

Info for manual annotations of cluster CG:

- Start number 79 was manually annotated 3 times for cluster CG.

Info for manual annotations of cluster CP:

- Start number 79 was manually annotated 5 times for cluster CP.

Info for manual annotations of cluster DE5:

- Start number 90 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DR:

- Start number 27 was manually annotated 1 time for cluster DR.
- Start number 79 was manually annotated 20 times for cluster DR.

Info for manual annotations of cluster EC:

- Start number 85 was manually annotated 2 times for cluster EC.

Info for manual annotations of cluster EI:

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

Info for manual annotations of cluster EK:

- Start number 85 was manually annotated 3 times for cluster EK.

Info for manual annotations of cluster EK2:

- Start number 85 was manually annotated 21 times for cluster EK2.

Info for manual annotations of cluster FC:

- Start number 79 was manually annotated 12 times for cluster FC.

Info for manual annotations of cluster FG:

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

Info for manual annotations of cluster FH:

- Start number 88 was manually annotated 1 time for cluster FH.
- Start number 90 was manually annotated 6 times for cluster FH.

Info for manual annotations of cluster GA:

- Start number 70 was manually annotated 10 times for cluster GA.
- Start number 79 was manually annotated 1 time for cluster GA.

Info for manual annotations of cluster GC:

- Start number 85 was manually annotated 4 times for cluster GC.

Gene Information:

Gene: 39HC_095 Start: 69471, Stop: 68434, Start Num: 79

Candidate Starts for 39HC_095:

(56, 69552), (Start: 79 @69471 has 157 MA's), (Start: 91 @69441 has 4 MA's), (96, 69399), (104, 69357), (112, 69324), (118, 69291), (131, 69270), (144, 69261), (158, 69198), (180, 69066), (182, 69060), (183, 69048), (208, 68940), (210, 68931), (213, 68910), (221, 68883), (245, 68760), (251, 68745), (289, 68628), (297, 68565), (317, 68493),

Gene: 40BC_095 Start: 69471, Stop: 68434, Start Num: 79

Candidate Starts for 40BC_095:

(56, 69552), (Start: 79 @69471 has 157 MA's), (Start: 91 @69441 has 4 MA's), (96, 69399), (104, 69357), (112, 69324), (118, 69291), (131, 69270), (144, 69261), (158, 69198), (180, 69066), (182, 69060), (183, 69048), (208, 68940), (210, 68931), (213, 68910), (221, 68883), (245, 68760), (251, 68745), (289, 68628), (297, 68565), (317, 68493),

Gene: Abba_70 Start: 45948, Stop: 44947, Start Num: 89

Candidate Starts for Abba_70:

(Start: 89 @45948 has 21 MA's), (108, 45855), (144, 45753), (151, 45732), (156, 45699), (175, 45588), (180, 45558), (183, 45540), (206, 45456), (208, 45447), (215, 45411), (223, 45384), (246, 45267), (315, 45015), (321, 44988), (329, 44964), (334, 44955),

Gene: Abinghost_97 Start: 66868, Stop: 65810, Start Num: 79

Candidate Starts for Abinghost_97:

(24, 67042), (Start: 34 @67012 has 6 MA's), (Start: 67 @66922 has 17 MA's), (Start: 79 @66868 has 157 MA's), (Start: 91 @66838 has 4 MA's), (104, 66754), (112, 66721), (140, 66649), (158, 66577), (174, 66496), (178, 66451), (180, 66445), (182, 66439), (183, 66427), (185, 66421), (193, 66391), (213, 66289), (219, 66271), (228, 66226), (242, 66154), (245, 66139), (256, 66112), (260, 66103), (275, 66046), (295, 65962), (298, 65938), (309, 65908),

Gene: Acadian_90 Start: 67115, Stop: 66042, Start Num: 79

Candidate Starts for Acadian_90:

(Start: 79 @67115 has 157 MA's), (104, 67019), (112, 66986), (127, 66944), (153, 66863), (180, 66713), (182, 66707), (199, 66641), (230, 66488), (236, 66449), (240, 66434), (251, 66398), (254, 66389), (260, 66377), (266, 66368), (281, 66308), (283, 66299), (298, 66215), (300, 66209), (320, 66146), (340, 66080), (342, 66062),

Gene: AcciDwight_273 Start: 122747, Stop: 121707, Start Num: 71

Candidate Starts for AcciDwight_273:

(Start: 71 @122747 has 21 MA's), (Start: 81 @122702 has 135 MA's), (107, 122591), (113, 122558), (123, 122525), (131, 122513), (134, 122504), (159, 122456), (161, 122438), (162, 122435), (193, 122291), (196, 122282), (203, 122240), (210, 122210), (218, 122171), (223, 122153), (228, 122123), (240, 122060), (281, 121928), (292, 121868), (299, 121820), (316, 121763), (324, 121727),

Gene: AcciDwight_3 Start: 2651, Stop: 1611, Start Num: 71

Candidate Starts for AcciDwight_3:

(Start: 71 @2651 has 21 MA's), (Start: 81 @2606 has 135 MA's), (107, 2495), (113, 2462), (123, 2429), (131, 2417), (134, 2408), (159, 2360), (161, 2342), (162, 2339), (193, 2195), (196, 2186), (203, 2144), (210, 2114), (218, 2075), (223, 2057), (228, 2027), (240, 1964), (281, 1832), (292, 1772), (299, 1724), (316, 1667), (324, 1631),

Gene: Ahwei_89 Start: 67912, Stop: 66866, Start Num: 79

Candidate Starts for Ahwei_89:

(Start: 79 @67912 has 157 MA's), (95, 67858), (96, 67840), (104, 67798), (112, 67765), (113, 67750), (116, 67741), (126, 67723), (144, 67684), (147, 67669), (158, 67621), (170, 67558), (180, 67489), (182, 67483), (183, 67471), (208, 67363), (210, 67354), (213, 67333), (230, 67261), (245, 67183), (249, 67174), (251, 67168), (254, 67159), (266, 67138), (279, 67081), (289, 67051), (293, 67021), (295, 67009), (304, 66979), (317, 66925), (321, 66904), (335, 66871),

Gene: Akoma_98 Start: 66999, Stop: 65887, Start Num: 67

Candidate Starts for Akoma_98:

(24, 67119), (Start: 34 @67089 has 6 MA's), (Start: 67 @66999 has 17 MA's), (Start: 79 @66945 has 157 MA's), (Start: 91 @66915 has 4 MA's), (104, 66831), (112, 66798), (140, 66726), (158, 66654), (174, 66573), (178, 66528), (180, 66522), (182, 66516), (183, 66504), (193, 66468), (213, 66366), (219, 66348), (228, 66303), (242, 66231), (245, 66216), (256, 66189), (260, 66180), (275, 66123), (295, 66039), (298, 66015), (309, 65985),

Gene: Akoni_17 Start: 12296, Stop: 11307, Start Num: 85

Candidate Starts for Akoni_17:

(Start: 85 @12296 has 37 MA's), (110, 12182), (113, 12167), (158, 12053), (163, 12014), (165, 12005), (179, 11921), (210, 11792), (228, 11699), (245, 11612), (283, 11492), (297, 11414), (312, 11372), (316, 11354), (321, 11327),

Gene: AksarBAT_80 Start: 58876, Stop: 57869, Start Num: 79

Candidate Starts for AksarBAT_80:

(Start: 79 @58876 has 157 MA's), (104, 58780), (112, 58747), (134, 58681), (147, 58666), (151, 58660), (175, 58516), (178, 58492), (180, 58486), (183, 58468), (199, 58414), (208, 58363), (213, 58333), (224, 58282), (262, 58144), (281, 58078), (289, 58051), (290, 58045), (300, 57979), (314, 57943),

Gene: AlanGrant_92 Start: 69472, Stop: 68423, Start Num: 79

Candidate Starts for AlanGrant_92:

(11, 69811), (Start: 79 @69472 has 157 MA's), (95, 69418), (104, 69358), (105, 69352), (112, 69325), (118, 69292), (144, 69247), (147, 69232), (149, 69229), (158, 69184), (160, 69166), (165, 69136), (170, 69121), (178, 69058), (180, 69052), (182, 69046), (183, 69034), (188, 69016), (203, 68947), (205, 68938), (208, 68926), (213, 68896), (230, 68824), (238, 68779), (245, 68746), (251, 68731), (254, 68722), (279, 68644), (293, 68584), (295, 68572), (307, 68530), (318, 68476), (320, 68470), (321, 68461), (332, 68434), (335, 68428),

Gene: Allegro_85 Start: 64858, Stop: 63788, Start Num: 79

Candidate Starts for Allegro_85:

(23, 65053), (Start: 79 @64858 has 157 MA's), (Start: 91 @64828 has 4 MA's), (104, 64762), (106, 64753), (112, 64729), (116, 64705), (124, 64681), (152, 64585), (180, 64426), (182, 64420), (183, 64408), (193, 64375), (199, 64354), (209, 64297), (210, 64294), (219, 64255), (221, 64246), (226, 64216), (230, 64201), (234, 64183), (237, 64159), (242, 64138), (251, 64108), (260, 64087), (279, 64021), (281, 64018), (289, 63991), (290, 63985), (305, 63910), (311, 63874),

Gene: AloeVera_17 Start: 12296, Stop: 11307, Start Num: 85

Candidate Starts for AloeVera_17:

(Start: 85 @12296 has 37 MA's), (110, 12182), (113, 12167), (158, 12053), (163, 12014), (165, 12005), (179, 11921), (210, 11792), (228, 11699), (245, 11612), (283, 11492), (297, 11414), (312, 11372), (316, 11354), (321, 11327),

Gene: Altadena_70 Start: 44516, Stop: 43500, Start Num: 90

Candidate Starts for Altadena_70:

(Start: 90 @44516 has 7 MA's), (104, 44447), (108, 44429), (175, 44156), (178, 44132), (209, 44009), (214, 43982), (215, 43979), (242, 43850), (246, 43835), (250, 43823),

Gene: Amabiko_3 Start: 2651, Stop: 1611, Start Num: 71

Candidate Starts for Amabiko_3:

(Start: 71 @2651 has 21 MA's), (Start: 81 @2606 has 135 MA's), (107, 2495), (113, 2462), (123, 2429), (131, 2417), (134, 2408), (159, 2360), (161, 2342), (162, 2339), (193, 2195), (196, 2186), (203, 2144), (210, 2114), (218, 2075), (223, 2057), (228, 2027), (240, 1964), (281, 1832), (292, 1772), (299, 1724), (316, 1667), (324, 1631),

Gene: Amabiko_267 Start: 121477, Stop: 120437, Start Num: 71

Candidate Starts for Amabiko_267:

(Start: 71 @121477 has 21 MA's), (Start: 81 @121432 has 135 MA's), (107, 121321), (113, 121288), (123, 121255), (131, 121243), (134, 121234), (159, 121186), (161, 121168), (162, 121165), (193, 121021), (196, 121012), (203, 120970), (210, 120940), (218, 120901), (223, 120883), (228, 120853), (240, 120790), (281, 120658), (292, 120598), (299, 120550), (316, 120493), (324, 120457),

Gene: Amo99_1 Start: 1, Stop: 1032, Start Num: 79

Candidate Starts for Amo99_1:

(Start: 79 @1 has 157 MA's), (104, 97), (135, 199), (177, 406), (180, 418), (182, 424), (197, 481), (205, 526), (210, 547), (219, 586), (242, 703), (245, 718), (259, 754), (261, 757),

Gene: AnarQue_81 Start: 60018, Stop: 58999, Start Num: 79

Candidate Starts for AnarQue_81:

(Start: 27 @60174 has 1 MA's), (54, 60096), (69, 60060), (Start: 79 @60018 has 157 MA's), (104, 59922), (112, 59889), (116, 59865), (118, 59856), (131, 59832), (144, 59814), (151, 59793), (175, 59646), (178, 59622), (180, 59616), (183, 59598), (204, 59508), (213, 59463), (224, 59412), (251, 59298), (281, 59208), (289, 59181), (290, 59175), (316, 59064),

Gene: Anedea_267 Start: 125337, Stop: 124315, Start Num: 81

Candidate Starts for Anedea_267:

(Start: 81 @125337 has 135 MA's), (101, 125256), (107, 125226), (113, 125193), (117, 125178), (121, 125166), (122, 125160), (133, 125121), (159, 125067), (176, 124956), (177, 124953), (193, 124902), (202, 124857), (210, 124821), (218, 124782), (223, 124764), (228, 124734), (240, 124671), (244, 124653), (272, 124575), (281, 124542), (299, 124434), (308, 124416), (316, 124377),

Gene: Anedea_2 Start: 2288, Stop: 1266, Start Num: 81

Candidate Starts for Anedea_2:

(Start: 81 @2288 has 135 MA's), (101, 2207), (107, 2177), (113, 2144), (117, 2129), (121, 2117), (122, 2111), (133, 2072), (159, 2018), (176, 1907), (177, 1904), (193, 1853), (202, 1808), (210, 1772), (218, 1733), (223, 1715), (228, 1685), (240, 1622), (244, 1604), (272, 1526), (281, 1493), (299, 1385), (308, 1367), (316, 1328),

Gene: Angela_259 Start: 124677, Stop: 123661, Start Num: 81

Candidate Starts for Angela_259:

(77, 124689), (Start: 81 @124677 has 135 MA's), (101, 124596), (107, 124566), (117, 124518), (120, 124509), (121, 124506), (122, 124500), (128, 124476), (133, 124461), (159, 124407), (176, 124296), (193, 124242), (210, 124161), (218, 124122), (223, 124104), (228, 124074), (240, 124011), (272, 123915), (281, 123882), (292, 123822), (299, 123774), (308, 123756), (316, 123717),

Gene: Angela_2 Start: 2274, Stop: 1258, Start Num: 81

Candidate Starts for Angela_2:

(77, 2286), (Start: 81 @2274 has 135 MA's), (101, 2193), (107, 2163), (117, 2115), (120, 2106), (121, 2103), (122, 2097), (128, 2073), (133, 2058), (159, 2004), (176, 1893), (193, 1839), (210, 1758), (218, 1719), (223, 1701), (228, 1671), (240, 1608), (272, 1512), (281, 1479), (292, 1419), (299, 1371), (308, 1353), (316, 1314),

Gene: AngryGiraffe_4 Start: 2628, Stop: 1627, Start Num: 81

Candidate Starts for AngryGiraffe_4:

(62, 2694), (65, 2685), (Start: 81 @2628 has 135 MA's), (107, 2517), (134, 2430), (183, 2238), (193, 2217), (196, 2208), (203, 2166), (210, 2136), (218, 2097), (223, 2079), (228, 2049), (240, 1986), (281, 1854), (292, 1794), (299, 1746), (308, 1728), (316, 1689),

Gene: AngryGiraffe_260 Start: 120971, Stop: 119970, Start Num: 81

Candidate Starts for AngryGiraffe_260:

(62, 121037), (65, 121028), (Start: 81 @120971 has 135 MA's), (107, 120860), (134, 120773), (183, 120581), (193, 120560), (196, 120551), (203, 120509), (210, 120479), (218, 120440), (223, 120422), (228, 120392), (240, 120329), (281, 120197), (292, 120137), (299, 120089), (308, 120071), (316, 120032),

Gene: Annadreamy_205 Start: 103409, Stop: 104425, Start Num: 83

Candidate Starts for Annadreamy_205:

(Start: 83 @103409 has 4 MA's), (Start: 91 @103436 has 4 MA's), (104, 103508), (107, 103523), (115, 103562), (142, 103631), (161, 103676), (198, 103850), (207, 103898), (213, 103934), (215, 103940), (224, 103985), (240, 104060), (245, 104084), (287, 104219), (313, 104348), (314, 104354), (321, 104387), (324, 104399), (325, 104402),

Gene: Antihero_91 Start: 67837, Stop: 66791, Start Num: 79

Candidate Starts for Antihero_91:

(Start: 79 @67837 has 157 MA's), (95, 67783), (96, 67765), (104, 67723), (112, 67690), (113, 67675), (116, 67666), (126, 67648), (144, 67609), (147, 67594), (158, 67546), (170, 67483), (180, 67414), (182, 67408), (183, 67396), (208, 67288), (210, 67279), (213, 67258), (230, 67186), (245, 67108), (249, 67099), (251, 67093), (254, 67084), (266, 67063), (279, 67006), (289, 66976), (295, 66934), (304, 66904), (317, 66850), (321, 66829), (335, 66796),

Gene: Antuna_52 Start: 31056, Stop: 32108, Start Num: 70

Candidate Starts for Antuna_52:

(Start: 70 @31056 has 10 MA's), (Start: 79 @31098 has 157 MA's), (104, 31194), (113, 31242), (152, 31332), (180, 31491), (182, 31497), (184, 31512), (200, 31554), (206, 31593), (242, 31767), (276, 31875), (305, 31995), (316, 32037), (337, 32097),

Gene: Apex_93 Start: 68952, Stop: 67894, Start Num: 79

Candidate Starts for Apex_93:

(Start: 79 @68952 has 157 MA's), (95, 68898), (104, 68838), (105, 68832), (112, 68805), (113, 68790), (116, 68781), (126, 68763), (144, 68724), (149, 68706), (151, 68703), (158, 68661), (170, 68598), (180, 68529), (183, 68511), (188, 68493), (193, 68475), (208, 68403), (210, 68394), (213, 68373), (238, 68256), (240, 68247), (245, 68223), (249, 68214), (266, 68178), (279, 68121), (289, 68091), (293, 68061), (295, 68049), (297, 68028), (317, 67953), (321, 67932), (335, 67899),

Gene: Appa_50 Start: 30821, Stop: 31873, Start Num: 70

Candidate Starts for Appa_50:

(Start: 70 @30821 has 10 MA's), (Start: 79 @30863 has 157 MA's), (104, 30959), (113, 31007), (152, 31097), (180, 31256), (182, 31262), (184, 31277), (206, 31358), (242, 31532), (276, 31640), (305, 31760), (316, 31802), (337, 31862),

Gene: Arbiter_82 Start: 64898, Stop: 63828, Start Num: 79

Candidate Starts for Arbiter_82:

(Start: 79 @64898 has 157 MA's), (Start: 91 @64868 has 4 MA's), (104, 64802), (106, 64793), (112, 64769), (116, 64745), (124, 64721), (180, 64466), (182, 64460), (183, 64448), (193, 64415), (199, 64394), (209, 64337), (210, 64334), (219, 64295), (221, 64286), (226, 64256), (230, 64241), (234, 64223), (237, 64199), (242, 64178), (251, 64148), (260, 64127), (279, 64061), (281, 64058), (289, 64031), (290, 64025), (305, 63950), (311, 63914),

Gene: Ares_85 Start: 64857, Stop: 63787, Start Num: 79

Candidate Starts for Ares_85:

(Start: 79 @64857 has 157 MA's), (Start: 91 @64827 has 4 MA's), (104, 64761), (106, 64752), (112, 64728), (116, 64704), (124, 64680), (180, 64425), (182, 64419), (183, 64407), (193, 64374), (199, 64353), (209, 64296), (210, 64293), (219, 64254), (221, 64245), (226, 64215), (230, 64200), (234, 64182), (237, 64158), (242, 64137), (251, 64107), (260, 64086), (279, 64020), (281, 64017), (289, 63990), (290, 63984), (305, 63909), (311, 63873),

Gene: Artu_166 Start: 112919, Stop: 113896, Start Num: 79

Candidate Starts for Artu_166:

(Start: 79 @112919 has 157 MA's), (93, 112961), (127, 113087), (166, 113222), (178, 113303), (198, 113366), (213, 113450), (234, 113540), (242, 113585), (281, 113684), (295, 113759),

Gene: Ashton_17 Start: 12300, Stop: 11311, Start Num: 85

Candidate Starts for Ashton_17:

(Start: 85 @12300 has 37 MA's), (110, 12186), (113, 12171), (158, 12057), (163, 12018), (165, 12009), (179, 11925), (210, 11796), (228, 11703), (245, 11616), (283, 11496), (297, 11418), (312, 11376), (316, 11358), (321, 11331),

Gene: Astartes_18 Start: 12572, Stop: 11568, Start Num: 85

Candidate Starts for Astartes_18:

(Start: 85 @12572 has 37 MA's), (113, 12443), (151, 12347), (163, 12278), (165, 12269), (177, 12194), (210, 12056), (228, 11963), (242, 11891), (245, 11876), (251, 11861), (256, 11849), (265, 11831), (273, 11786), (306, 11654), (316, 11615), (325, 11573),

Gene: Athena_99 Start: 67785, Stop: 66583, Start Num: 34

Candidate Starts for Athena_99:

(24, 67815), (Start: 34 @67785 has 6 MA's), (Start: 67 @67695 has 17 MA's), (Start: 79 @67641 has 157 MA's), (Start: 91 @67611 has 4 MA's), (104, 67527), (112, 67494), (140, 67422), (158, 67350), (174, 67269), (178, 67224), (180, 67218), (182, 67212), (183, 67200), (193, 67164), (213, 67062), (219, 67044), (228, 66999), (242, 66927), (245, 66912), (256, 66885), (260, 66876), (275, 66819), (295, 66735), (298, 66711), (309, 66681),

Gene: Atraxi_17 Start: 12329, Stop: 11325, Start Num: 85

Candidate Starts for Atraxi_17:

(Start: 85 @12329 has 37 MA's), (113, 12200), (151, 12104), (163, 12035), (165, 12026), (179, 11942), (210, 11813), (228, 11720), (242, 11648), (251, 11618), (256, 11606), (265, 11588), (273, 11543), (306, 11411), (316, 11372), (325, 11330),

Gene: Atuin_167 Start: 115486, Stop: 116493, Start Num: 79

Candidate Starts for Atuin_167:

(Start: 79 @115486 has 157 MA's), (93, 115528), (101, 115573), (125, 115660), (166, 115816), (178, 115897), (198, 115960), (213, 116044), (234, 116134), (242, 116179), (243, 116182), (276, 116266), (277, 116272), (281, 116278),

Gene: Audrey_97 Start: 66949, Stop: 65837, Start Num: 67

Candidate Starts for Audrey_97:

(24, 67069), (Start: 34 @67039 has 6 MA's), (Start: 67 @66949 has 17 MA's), (Start: 79 @66895 has 157 MA's), (Start: 91 @66865 has 4 MA's), (104, 66781), (112, 66748), (140, 66676), (158, 66604), (174, 66523), (178, 66478), (180, 66472), (182, 66466), (183, 66454), (193, 66418), (213, 66316), (219, 66298), (228, 66253), (242, 66181), (245, 66166), (256, 66139), (260, 66130), (275, 66073), (295, 65989), (298, 65965), (309, 65935),

Gene: Austelle_92 Start: 69484, Stop: 68426, Start Num: 79

Candidate Starts for Austelle_92:

(Start: 79 @69484 has 157 MA's), (104, 69370), (105, 69364), (112, 69337), (113, 69322), (116, 69313), (126, 69295), (144, 69256), (149, 69238), (151, 69235), (158, 69193), (170, 69130), (180, 69061), (183, 69043), (188, 69025), (193, 69007), (208, 68935), (210, 68926), (213, 68905), (238, 68788), (240, 68779), (245, 68755), (249, 68746), (254, 68731), (266, 68710), (279, 68653), (289, 68623), (293, 68593), (295, 68581), (297, 68560), (317, 68485), (321, 68464), (332, 68437), (335, 68431),

Gene: Axumite_80 Start: 59316, Stop: 58309, Start Num: 79

Candidate Starts for Axumite_80:

(Start: 79 @59316 has 157 MA's), (104, 59220), (112, 59187), (113, 59172), (134, 59121), (147, 59106), (178, 58932), (180, 58926), (183, 58908), (199, 58854), (206, 58812), (208, 58803), (213, 58773), (224, 58722), (274, 58539), (279, 58521), (281, 58518), (290, 58485), (295, 58449), (328, 58326),

Gene: Baee_89 Start: 67621, Stop: 66548, Start Num: 79

Candidate Starts for Baee_89:

(42, 67735), (Start: 79 @67621 has 157 MA's), (104, 67525), (112, 67492), (153, 67369), (178, 67225), (180, 67219), (181, 67216), (182, 67213), (199, 67147), (230, 66994), (236, 66955), (240, 66940), (251, 66904), (254, 66895), (260, 66883), (266, 66874), (281, 66814), (283, 66805), (298, 66721), (300, 66715), (320, 66652), (340, 66586), (342, 66568),

Gene: Baloo_96 Start: 66892, Stop: 65690, Start Num: 34

Candidate Starts for Baloo_96:

(24, 66922), (Start: 34 @66892 has 6 MA's), (Start: 67 @66802 has 17 MA's), (Start: 79 @66748 has 157 MA's), (Start: 91 @66718 has 4 MA's), (104, 66634), (112, 66601), (140, 66529), (158, 66457), (174, 66376), (178, 66331), (180, 66325), (182, 66319), (183, 66307), (193, 66271), (213, 66169), (219, 66151), (228, 66106), (242, 66034), (245, 66019), (256, 65992), (260, 65983), (275, 65926), (295, 65842), (298, 65818), (309, 65788),

Gene: Bananafish_86 Start: 64794, Stop: 63724, Start Num: 79

Candidate Starts for Bananafish_86:

(Start: 79 @64794 has 157 MA's), (Start: 91 @64764 has 4 MA's), (104, 64698), (106, 64689), (112, 64665), (116, 64641), (124, 64617), (180, 64362), (182, 64356), (183, 64344), (193, 64311), (199, 64290), (209, 64233), (210, 64230), (219, 64191), (221, 64182), (226, 64152), (230, 64137), (234, 64119), (237, 64095), (242, 64074), (251, 64044), (260, 64023), (279, 63957), (281, 63954), (289, 63927), (290, 63921), (305, 63846), (311, 63810),

Gene: BarretLemon_78 Start: 50937, Stop: 49933, Start Num: 86

Candidate Starts for BarretLemon_78:

(Start: 86 @50937 has 2 MA's), (Start: 89 @50931 has 21 MA's), (108, 50835), (128, 50772), (175, 50574), (178, 50550), (180, 50544), (183, 50526), (184, 50523), (204, 50448), (215, 50397), (234, 50313), (246, 50253), (260, 50217), (271, 50184), (315, 50001), (329, 49950),

Gene: Barroma_17 Start: 12296, Stop: 11307, Start Num: 85

Candidate Starts for Barroma_17:

(Start: 85 @12296 has 37 MA's), (110, 12182), (113, 12167), (158, 12053), (163, 12014), (165, 12005), (179, 11921), (210, 11792), (228, 11699), (245, 11612), (283, 11492), (297, 11414), (312, 11372), (316, 11354), (321, 11327),

Gene: Bartholomune_3 Start: 2417, Stop: 1404, Start Num: 81

Candidate Starts for Bartholomune_3:

(35, 2567), (46, 2531), (Start: 53 @2510 has 4 MA's), (61, 2492), (Start: 81 @2417 has 135 MA's), (101, 2336), (107, 2306), (121, 2246), (128, 2216), (133, 2201), (134, 2198), (159, 2150), (176, 2039), (193, 1985), (202, 1940), (210, 1904), (218, 1865), (223, 1847), (228, 1817), (272, 1658), (281, 1625), (292, 1565), (299, 1517), (308, 1499), (316, 1460),

Gene: Bartholomune_253 Start: 123516, Stop: 122503, Start Num: 81

Candidate Starts for Bartholomune_253:

(35, 123666), (46, 123630), (Start: 53 @123609 has 4 MA's), (61, 123591), (Start: 81 @123516 has 135 MA's), (101, 123435), (107, 123405), (121, 123345), (128, 123315), (133, 123300), (134, 123297), (159, 123249), (176, 123138), (193, 123084), (202, 123039), (210, 123003), (218, 122964), (223, 122946), (228, 122916), (272, 122757), (281, 122724), (292, 122664), (299, 122616), (308, 122598), (316, 122559),

Gene: Battuta_3 Start: 2606, Stop: 1611, Start Num: 81

Candidate Starts for Battuta_3:

(Start: 71 @2651 has 21 MA's), (Start: 81 @2606 has 135 MA's), (107, 2495), (113, 2462), (123, 2429), (131, 2417), (134, 2408), (159, 2360), (161, 2342), (162, 2339), (193, 2195), (196, 2186), (203, 2144), (210, 2114), (218, 2075), (223, 2057), (228, 2027), (240, 1964), (281, 1832), (292, 1772), (299, 1724), (316, 1667), (324, 1631),

Gene: Battuta_260 Start: 120761, Stop: 119766, Start Num: 81

Candidate Starts for Battuta_260:

(Start: 71 @120806 has 21 MA's), (Start: 81 @120761 has 135 MA's), (107, 120650), (113, 120617), (123, 120584), (131, 120572), (134, 120563), (159, 120515), (161, 120497), (162, 120494), (193, 120350), (196, 120341), (203, 120299), (210, 120269), (218, 120230), (223, 120212), (228, 120182), (240, 120119), (281, 119987), (292, 119927), (299, 119879), (316, 119822), (324, 119786),

Gene: Beans_72 Start: 49478, Stop: 48408, Start Num: 72

Candidate Starts for Beans_72:

(Start: 72 @49478 has 2 MA's), (Start: 89 @49415 has 21 MA's), (128, 49253), (137, 49232), (144, 49214), (153, 49169), (156, 49160), (160, 49133), (175, 49049), (177, 49031), (178, 49025), (180, 49019), (183, 49001), (215, 48872), (242, 48743), (246, 48728), (301, 48521), (315, 48476), (331, 48422),

Gene: Belfort_218 Start: 108041, Stop: 109063, Start Num: 80

Candidate Starts for Belfort_218:

(Start: 80 @108041 has 9 MA's), (Start: 91 @108071 has 4 MA's), (107, 108152), (112, 108170), (121, 108212), (128, 108230), (134, 108248), (181, 108428), (198, 108491), (203, 108524), (206, 108536), (207, 108539), (209, 108551), (224, 108626), (240, 108701), (245, 108725), (257, 108755), (276, 108818), (324, 109037),

Gene: Ben11_97 Start: 67125, Stop: 66067, Start Num: 79

Candidate Starts for Ben11_97:

(24, 67299), (Start: 34 @67269 has 6 MA's), (Start: 67 @67179 has 17 MA's), (Start: 79 @67125 has 157 MA's), (Start: 91 @67095 has 4 MA's), (104, 67011), (112, 66978), (140, 66906), (158, 66834),

(174, 66753), (178, 66708), (180, 66702), (182, 66696), (183, 66684), (193, 66648), (213, 66546), (219, 66528), (228, 66483), (242, 66411), (245, 66396), (256, 66369), (260, 66360), (275, 66303), (295, 66219), (298, 66195), (309, 66165),

Gene: Bernardo_94 Start: 66473, Stop: 65361, Start Num: 67

Candidate Starts for Bernardo_94:

(24, 66593), (Start: 34 @66563 has 6 MA's), (Start: 67 @66473 has 17 MA's), (Start: 79 @66419 has 157 MA's), (Start: 91 @66389 has 4 MA's), (104, 66305), (112, 66272), (140, 66200), (158, 66128), (174, 66047), (178, 66002), (180, 65996), (182, 65990), (183, 65978), (193, 65942), (213, 65840), (219, 65822), (228, 65777), (242, 65705), (245, 65690), (256, 65663), (260, 65654), (275, 65597), (295, 65513), (298, 65489), (309, 65459),

Gene: Beuffert_213 Start: 107581, Stop: 108594, Start Num: 83

Candidate Starts for Beuffert_213:

(Start: 83 @107581 has 4 MA's), (Start: 91 @107608 has 4 MA's), (104, 107680), (107, 107695), (115, 107734), (142, 107803), (161, 107848), (198, 108022), (213, 108106), (215, 108112), (224, 108157), (240, 108232), (245, 108256), (287, 108391), (313, 108520), (324, 108571), (325, 108574),

Gene: BigDome_77 Start: 50725, Stop: 49727, Start Num: 89

Candidate Starts for BigDome_77:

(Start: 86 @50731 has 2 MA's), (Start: 89 @50725 has 21 MA's), (108, 50629), (128, 50566), (136, 50548), (175, 50368), (178, 50344), (180, 50338), (183, 50320), (184, 50317), (204, 50242), (215, 50191), (246, 50047), (260, 50011), (271, 49978), (315, 49795), (329, 49744),

Gene: BiggityBass_78 Start: 60906, Stop: 59896, Start Num: 79

Candidate Starts for BiggityBass_78:

(68, 60951), (Start: 79 @60906 has 157 MA's), (104, 60810), (112, 60777), (126, 60735), (180, 60519), (182, 60513), (193, 60465), (196, 60456), (208, 60393), (213, 60363), (221, 60336), (234, 60273), (240, 60237), (251, 60198), (281, 60108), (295, 60039), (298, 60015), (300, 60009), (320, 59949),

Gene: Blackpen_78 Start: 58482, Stop: 57463, Start Num: 79

Candidate Starts for Blackpen_78:

(Start: 27 @58638 has 1 MA's), (54, 58560), (69, 58524), (Start: 79 @58482 has 157 MA's), (104, 58386), (112, 58353), (116, 58329), (118, 58320), (131, 58296), (144, 58278), (151, 58257), (175, 58110), (178, 58086), (180, 58080), (183, 58062), (199, 58008), (204, 57972), (213, 57927), (224, 57876), (251, 57762), (281, 57672), (289, 57645), (290, 57639), (316, 57528),

Gene: Blett_50 Start: 31007, Stop: 32059, Start Num: 70

Candidate Starts for Blett_50:

(Start: 70 @31007 has 10 MA's), (Start: 79 @31049 has 157 MA's), (104, 31145), (113, 31193), (152, 31283), (180, 31442), (182, 31448), (184, 31463), (200, 31505), (206, 31544), (208, 31553), (242, 31718), (276, 31826), (305, 31946), (316, 31988), (337, 32048),

Gene: Blocker23_85 Start: 64859, Stop: 63789, Start Num: 79

Candidate Starts for Blocker23_85:

(Start: 79 @64859 has 157 MA's), (Start: 91 @64829 has 4 MA's), (104, 64763), (106, 64754), (112, 64730), (116, 64706), (124, 64682), (180, 64427), (182, 64421), (183, 64409), (193, 64376), (199, 64355), (209, 64298), (210, 64295), (219, 64256), (221, 64247), (226, 64217), (230, 64202), (234, 64184), (237, 64160), (242, 64139), (251, 64109), (260, 64088), (279, 64022), (281, 64019), (289, 63992), (290, 63986), (305, 63911), (311, 63875),

Gene: Bloom_179 Start: 116047, Stop: 117021, Start Num: 79

Candidate Starts for Bloom_179:

(Start: 79 @116047 has 157 MA's), (93, 116089), (178, 116428), (198, 116491), (205, 116533), (217, 116587), (234, 116665), (281, 116809), (286, 116836), (288, 116842), (319, 116980),

Gene: BlueOtter_250 Start: 123312, Stop: 122299, Start Num: 81

Candidate Starts for BlueOtter_250:

(Start: 36 @123459 has 4 MA's), (Start: 53 @123405 has 4 MA's), (61, 123387), (Start: 81 @123312 has 135 MA's), (107, 123201), (113, 123168), (121, 123141), (123, 123132), (128, 123111), (133, 123096), (159, 123045), (176, 122934), (193, 122880), (210, 122799), (218, 122760), (223, 122742), (228, 122712), (240, 122649), (269, 122565), (272, 122553), (281, 122520), (292, 122460), (299, 122412), (308, 122394), (316, 122355),

Gene: BlueOtter_2 Start: 2225, Stop: 1212, Start Num: 81

Candidate Starts for BlueOtter_2:

(Start: 36 @2372 has 4 MA's), (Start: 53 @2318 has 4 MA's), (61, 2300), (Start: 81 @2225 has 135 MA's), (107, 2114), (113, 2081), (121, 2054), (123, 2045), (128, 2024), (133, 2009), (159, 1958), (176, 1847), (193, 1793), (210, 1712), (218, 1673), (223, 1655), (228, 1625), (240, 1562), (269, 1478), (272, 1466), (281, 1433), (292, 1373), (299, 1325), (308, 1307), (316, 1268),

Gene: Blueeyedbeauty_214 Start: 107117, Stop: 108130, Start Num: 83

Candidate Starts for Blueeyedbeauty_214:

(Start: 83 @107117 has 4 MA's), (Start: 91 @107144 has 4 MA's), (104, 107216), (107, 107231), (115, 107270), (142, 107339), (198, 107558), (207, 107606), (213, 107642), (215, 107648), (224, 107693), (240, 107768), (245, 107792), (287, 107927), (313, 108056), (324, 108107), (325, 108110),

Gene: Bmoc_2 Start: 2308, Stop: 1286, Start Num: 81

Candidate Starts for Bmoc_2:

(Start: 81 @2308 has 135 MA's), (101, 2227), (107, 2197), (117, 2149), (121, 2137), (122, 2131), (133, 2092), (159, 2038), (176, 1927), (177, 1924), (193, 1873), (202, 1828), (210, 1792), (218, 1753), (223, 1735), (228, 1705), (240, 1642), (244, 1624), (272, 1546), (281, 1513), (299, 1405), (308, 1387), (316, 1348),

Gene: Bmoc_258 Start: 124130, Stop: 123108, Start Num: 81

Candidate Starts for Bmoc_258:

(Start: 81 @124130 has 135 MA's), (101, 124049), (107, 124019), (117, 123971), (121, 123959), (122, 123953), (133, 123914), (159, 123860), (176, 123749), (177, 123746), (193, 123695), (202, 123650), (210, 123614), (218, 123575), (223, 123557), (228, 123527), (240, 123464), (244, 123446), (272, 123368), (281, 123335), (299, 123227), (308, 123209), (316, 123170),

Gene: BobRoss2024_83 Start: 59994, Stop: 58984, Start Num: 79

Candidate Starts for BobRoss2024_83:

(Start: 79 @59994 has 157 MA's), (104, 59898), (112, 59865), (134, 59799), (151, 59778), (175, 59634), (178, 59610), (180, 59604), (183, 59586), (204, 59496), (206, 59490), (208, 59481), (213, 59451), (224, 59400), (242, 59316), (251, 59283), (262, 59259), (274, 59214), (279, 59196), (281, 59193), (290, 59160),

Gene: BobbyK_92 Start: 68460, Stop: 67402, Start Num: 79

Candidate Starts for BobbyK_92:

(Start: 79 @68460 has 157 MA's), (95, 68406), (96, 68388), (104, 68346), (105, 68340), (112, 68313), (113, 68298), (116, 68289), (126, 68271), (144, 68232), (149, 68214), (158, 68169), (170, 68106), (180, 68037), (183, 68019), (188, 68001), (193, 67983), (208, 67911), (210, 67902), (213, 67881), (238, 67764), (240, 67755), (245, 67731), (249, 67722), (254, 67707), (266, 67686), (279, 67629), (289, 67599), (293, 67569), (295, 67557), (297, 67536), (317, 67461), (321, 67440), (335, 67407),

Gene: Bolt007_73 Start: 46402, Stop: 45404, Start Num: 90

Candidate Starts for Bolt007_73:

(Start: 90 @46402 has 7 MA's), (108, 46315), (175, 46057), (178, 46033), (215, 45880), (242, 45751), (246, 45736), (250, 45724), (282, 45622), (292, 45580), (295, 45559),

Gene: BooTeria_173 Start: 113088, Stop: 114065, Start Num: 79

Candidate Starts for BooTeria_173:

(Start: 79 @113088 has 157 MA's), (93, 113130), (127, 113256), (166, 113391), (178, 113472), (198, 113535), (213, 113619), (234, 113709), (242, 113754), (281, 113853), (295, 113928),

Gene: BoomerJR_259 Start: 121416, Stop: 120415, Start Num: 81

Candidate Starts for BoomerJR_259:

(62, 121482), (65, 121473), (Start: 81 @121416 has 135 MA's), (107, 121305), (134, 121218), (183, 121026), (193, 121005), (196, 120996), (203, 120954), (210, 120924), (218, 120885), (223, 120867), (228, 120837), (240, 120774), (281, 120642), (292, 120582), (299, 120534), (308, 120516), (316, 120477),

Gene: BoomerJR_4 Start: 2628, Stop: 1627, Start Num: 81

Candidate Starts for BoomerJR_4:

(62, 2694), (65, 2685), (Start: 81 @2628 has 135 MA's), (107, 2517), (134, 2430), (183, 2238), (193, 2217), (196, 2208), (203, 2166), (210, 2136), (218, 2097), (223, 2079), (228, 2049), (240, 1986), (281, 1854), (292, 1794), (299, 1746), (308, 1728), (316, 1689),

Gene: Bordeaux_260 Start: 121389, Stop: 120349, Start Num: 71

Candidate Starts for Bordeaux_260:

(Start: 71 @121389 has 21 MA's), (Start: 81 @121344 has 135 MA's), (107, 121233), (113, 121200), (123, 121167), (131, 121155), (134, 121146), (159, 121098), (161, 121080), (162, 121077), (193, 120933), (196, 120924), (203, 120882), (210, 120852), (218, 120813), (223, 120795), (228, 120765), (240, 120702), (281, 120570), (292, 120510), (299, 120462), (316, 120405), (324, 120369),

Gene: Bordeaux_3 Start: 2651, Stop: 1611, Start Num: 71

Candidate Starts for Bordeaux_3:

(Start: 71 @2651 has 21 MA's), (Start: 81 @2606 has 135 MA's), (107, 2495), (113, 2462), (123, 2429), (131, 2417), (134, 2408), (159, 2360), (161, 2342), (162, 2339), (193, 2195), (196, 2186), (203, 2144), (210, 2114), (218, 2075), (223, 2057), (228, 2027), (240, 1964), (281, 1832), (292, 1772), (299, 1724), (316, 1667), (324, 1631),

Gene: BossLady_78 Start: 50700, Stop: 49705, Start Num: 89

Candidate Starts for BossLady_78:

(Start: 89 @50700 has 21 MA's), (108, 50607), (128, 50544), (136, 50526), (175, 50346), (178, 50322), (180, 50316), (183, 50298), (184, 50295), (204, 50220), (215, 50169), (242, 50040), (246, 50025), (260, 49989), (271, 49956), (315, 49773),

Gene: Boyle_85 Start: 64906, Stop: 63836, Start Num: 79

Candidate Starts for Boyle_85:

(Start: 79 @64906 has 157 MA's), (Start: 91 @64876 has 4 MA's), (104, 64810), (106, 64801), (112, 64777), (116, 64753), (124, 64729), (180, 64474), (182, 64468), (183, 64456), (193, 64423), (199, 64402), (209, 64345), (210, 64342), (219, 64303), (221, 64294), (226, 64264), (230, 64249), (234, 64231), (237, 64207), (242, 64186), (251, 64156), (260, 64135), (279, 64069), (281, 64066), (289, 64039), (290, 64033), (305, 63958), (311, 63922),

Gene: Braelyn_248 Start: 122839, Stop: 121826, Start Num: 81

Candidate Starts for Braelyn_248:

(35, 122989), (46, 122953), (Start: 53 @122932 has 4 MA's), (61, 122914), (Start: 81 @122839 has 135 MA's), (101, 122758), (107, 122728), (121, 122668), (128, 122638), (133, 122623), (134, 122620), (159, 122572), (176, 122461), (193, 122407), (202, 122362), (210, 122326), (218, 122287), (223, 122269), (228, 122239), (272, 122080), (281, 122047), (292, 121987), (299, 121939), (308, 121921), (316, 121882),

Gene: Braelyn_3 Start: 2429, Stop: 1416, Start Num: 81

Candidate Starts for Braelyn_3:

(35, 2579), (46, 2543), (Start: 53 @2522 has 4 MA's), (61, 2504), (Start: 81 @2429 has 135 MA's), (101, 2348), (107, 2318), (121, 2258), (128, 2228), (133, 2213), (134, 2210), (159, 2162), (176, 2051), (193, 1997), (202, 1952), (210, 1916), (218, 1877), (223, 1859), (228, 1829), (272, 1670), (281, 1637), (292, 1577), (299, 1529), (308, 1511), (316, 1472),

Gene: Brent_73 Start: 49498, Stop: 48494, Start Num: 89

Candidate Starts for Brent_73:

(Start: 75 @49543 has 2 MA's), (82, 49516), (Start: 89 @49498 has 21 MA's), (137, 49318), (144, 49300), (153, 49255), (156, 49246), (160, 49219), (175, 49135), (178, 49111), (180, 49105), (183, 49087), (215, 48958), (242, 48829), (246, 48814), (301, 48607), (315, 48562), (331, 48508),

Gene: Briakila_98 Start: 67399, Stop: 66341, Start Num: 79

Candidate Starts for Briakila_98:

(24, 67573), (Start: 34 @67543 has 6 MA's), (Start: 67 @67453 has 17 MA's), (Start: 79 @67399 has 157 MA's), (Start: 91 @67369 has 4 MA's), (104, 67285), (112, 67252), (140, 67180), (158, 67108), (174, 67027), (178, 66982), (180, 66976), (182, 66970), (183, 66958), (185, 66952), (193, 66922), (213, 66820), (219, 66802), (228, 66757), (242, 66685), (245, 66670), (256, 66643), (260, 66634), (275, 66577), (295, 66493), (298, 66469), (309, 66439),

Gene: Brizzy_2 Start: 2240, Stop: 1200, Start Num: 71

Candidate Starts for Brizzy_2:

(Start: 71 @2240 has 21 MA's), (Start: 81 @2195 has 135 MA's), (107, 2084), (113, 2051), (123, 2018), (131, 2006), (134, 1997), (159, 1949), (161, 1931), (162, 1928), (193, 1784), (196, 1775), (203, 1733), (210, 1703), (218, 1664), (223, 1646), (228, 1616), (240, 1553), (281, 1421), (292, 1361), (299, 1313), (316, 1256), (324, 1220),

Gene: Brizzy_260 Start: 121463, Stop: 120468, Start Num: 81

Candidate Starts for Brizzy_260:

(Start: 71 @121508 has 21 MA's), (Start: 81 @121463 has 135 MA's), (107, 121352), (113, 121319), (123, 121286), (131, 121274), (134, 121265), (159, 121217), (161, 121199), (162, 121196), (193, 121052), (196, 121043), (203, 121001), (210, 120971), (218, 120932), (223, 120914), (228, 120884), (240, 120821), (281, 120689), (292, 120629), (299, 120581), (316, 120524), (324, 120488),

Gene: BrownCNA_92 Start: 68899, Stop: 67841, Start Num: 79

Candidate Starts for BrownCNA_92:

(Start: 79 @68899 has 157 MA's), (104, 68785), (105, 68779), (112, 68752), (113, 68737), (116, 68728), (126, 68710), (144, 68671), (149, 68653), (158, 68608), (170, 68545), (180, 68476), (183, 68458), (188, 68440), (192, 68428), (193, 68422), (208, 68350), (210, 68341), (213, 68320), (238, 68203), (240, 68194), (245, 68170), (249, 68161), (254, 68146), (266, 68125), (279, 68068), (289, 68038), (295, 67996), (297, 67975), (317, 67900), (321, 67879), (332, 67852), (335, 67846),

Gene: Brownie5_85 Start: 64906, Stop: 63836, Start Num: 79

Candidate Starts for Brownie5_85:

(Start: 79 @64906 has 157 MA's), (Start: 91 @64876 has 4 MA's), (104, 64810), (106, 64801), (112, 64777), (116, 64753), (124, 64729), (180, 64474), (182, 64468), (183, 64456), (193, 64423), (199,

64402), (209, 64345), (210, 64342), (219, 64303), (221, 64294), (226, 64264), (230, 64249), (237, 64207), (242, 64186), (251, 64156), (260, 64135), (279, 64069), (281, 64066), (289, 64039), (290, 64033), (305, 63958), (311, 63922),

Gene: Bumble_71 Start: 45632, Stop: 44619, Start Num: 90

Candidate Starts for Bumble_71:

(Start: 90 @45632 has 7 MA's), (104, 45563), (108, 45545), (175, 45275), (178, 45251), (206, 45143), (209, 45128), (214, 45101), (215, 45098), (242, 44969), (246, 44954), (316, 44693), (336, 44633),

Gene: Bush_51 Start: 30955, Stop: 32007, Start Num: 70

Candidate Starts for Bush_51:

(Start: 70 @30955 has 10 MA's), (Start: 79 @30997 has 157 MA's), (104, 31093), (113, 31141), (152, 31231), (180, 31390), (182, 31396), (184, 31411), (200, 31453), (206, 31492), (208, 31501), (242, 31666), (276, 31774), (305, 31894), (316, 31936), (337, 31996),

Gene: CRB2_89 Start: 68970, Stop: 67930, Start Num: 79

Candidate Starts for CRB2_89:

(31, 69111), (Start: 79 @68970 has 157 MA's), (84, 68961), (104, 68874), (112, 68841), (113, 68826), (127, 68799), (133, 68781), (135, 68775), (147, 68760), (158, 68712), (178, 68586), (180, 68580), (182, 68574), (183, 68562), (196, 68520), (199, 68508), (205, 68469), (210, 68448), (224, 68376), (226, 68370), (228, 68364), (240, 68301), (251, 68262), (254, 68253), (260, 68241), (266, 68232), (276, 68184), (279, 68175), (281, 68172), (283, 68163), (295, 68103), (298, 68079), (300, 68073), (314, 68037), (320, 68013), (326, 67986), (338, 67962),

Gene: Cadmus_250 Start: 124744, Stop: 123731, Start Num: 81

Candidate Starts for Cadmus_250:

(77, 124756), (Start: 81 @124744 has 135 MA's), (101, 124663), (107, 124633), (122, 124567), (133, 124528), (159, 124477), (176, 124366), (177, 124363), (193, 124312), (196, 124303), (198, 124294), (210, 124231), (218, 124192), (223, 124174), (228, 124144), (240, 124081), (269, 123997), (272, 123985), (281, 123952), (292, 123892), (299, 123844), (308, 123826), (317, 123784),

Gene: Cadmus_2 Start: 2263, Stop: 1250, Start Num: 81

Candidate Starts for Cadmus_2:

(77, 2275), (Start: 81 @2263 has 135 MA's), (101, 2182), (107, 2152), (122, 2086), (133, 2047), (159, 1996), (176, 1885), (177, 1882), (193, 1831), (196, 1822), (198, 1813), (210, 1750), (218, 1711), (223, 1693), (228, 1663), (240, 1600), (269, 1516), (272, 1504), (281, 1471), (292, 1411), (299, 1363), (308, 1345), (317, 1303),

Gene: CaiB_80 Start: 59816, Stop: 58797, Start Num: 79

Candidate Starts for CaiB_80:

(Start: 27 @59972 has 1 MA's), (54, 59894), (69, 59858), (Start: 79 @59816 has 157 MA's), (104, 59720), (112, 59687), (116, 59663), (118, 59654), (131, 59630), (144, 59612), (151, 59591), (175, 59444), (178, 59420), (180, 59414), (183, 59396), (199, 59342), (204, 59306), (213, 59261), (224, 59210), (251, 59096), (281, 59006), (289, 58979), (290, 58973), (316, 58862),

Gene: CalWood4100_76 Start: 46704, Stop: 45700, Start Num: 88

Candidate Starts for CalWood4100_76:

(Start: 88 @46704 has 1 MA's), (104, 46629), (108, 46611), (175, 46353), (178, 46329), (242, 46047), (254, 46008), (256, 46005),

Gene: Calamitous_86 Start: 64789, Stop: 63719, Start Num: 79

Candidate Starts for Calamitous_86:

(Start: 79 @64789 has 157 MA's), (Start: 91 @64759 has 4 MA's), (104, 64693), (106, 64684), (112, 64660), (116, 64636), (124, 64612), (180, 64357), (182, 64351), (183, 64339), (193, 64306), (199, 64285), (209, 64228), (210, 64225), (219, 64186), (221, 64177), (226, 64147), (230, 64132), (234, 64114), (237, 64090), (242, 64069), (251, 64039), (260, 64018), (279, 63952), (281, 63949), (289, 63922), (290, 63916), (305, 63841), (311, 63805),

Gene: Carrillo_52 Start: 30929, Stop: 31981, Start Num: 70

Candidate Starts for Carrillo_52:

(Start: 70 @30929 has 10 MA's), (Start: 79 @30971 has 157 MA's), (104, 31067), (113, 31115), (152, 31205), (180, 31364), (182, 31370), (184, 31385), (200, 31427), (206, 31466), (242, 31640), (276, 31748), (305, 31868), (316, 31910), (337, 31970),

Gene: Casbah_97 Start: 67210, Stop: 66152, Start Num: 79

Candidate Starts for Casbah_97:

(24, 67384), (Start: 34 @67354 has 6 MA's), (Start: 67 @67264 has 17 MA's), (Start: 79 @67210 has 157 MA's), (Start: 91 @67180 has 4 MA's), (104, 67096), (112, 67063), (140, 66991), (158, 66919), (174, 66838), (178, 66793), (180, 66787), (182, 66781), (183, 66769), (193, 66733), (213, 66631), (219, 66613), (228, 66568), (242, 66496), (245, 66481), (256, 66454), (260, 66445), (275, 66388), (295, 66304), (298, 66280), (309, 66250),

Gene: Causa_155 Start: 87546, Stop: 86410, Start Num: 52

Candidate Starts for Causa_155:

(Start: 52 @87546 has 2 MA's), (104, 87360), (112, 87327), (113, 87312), (149, 87231), (159, 87183), (171, 87117), (180, 87054), (228, 86835), (232, 86817), (239, 86775), (240, 86772), (262, 86706), (275, 86655), (279, 86643), (282, 86634), (289, 86613), (298, 86547), (300, 86541), (303, 86535),

Gene: CeilingFan_268 Start: 122824, Stop: 121829, Start Num: 81

Candidate Starts for CeilingFan_268:

(Start: 71 @122869 has 21 MA's), (Start: 81 @122824 has 135 MA's), (107, 122713), (113, 122680), (123, 122647), (131, 122635), (134, 122626), (159, 122578), (161, 122560), (162, 122557), (193, 122413), (196, 122404), (203, 122362), (210, 122332), (218, 122293), (223, 122275), (228, 122245), (240, 122182), (281, 122050), (292, 121990), (299, 121942), (316, 121885), (324, 121849),

Gene: CeilingFan_2 Start: 2217, Stop: 1222, Start Num: 81

Candidate Starts for CeilingFan_2:

(Start: 71 @2262 has 21 MA's), (Start: 81 @2217 has 135 MA's), (107, 2106), (113, 2073), (123, 2040), (131, 2028), (134, 2019), (159, 1971), (161, 1953), (162, 1950), (193, 1806), (196, 1797), (203, 1755), (210, 1725), (218, 1686), (223, 1668), (228, 1638), (240, 1575), (281, 1443), (292, 1383), (299, 1335), (316, 1278), (324, 1242),

Gene: ChaChing_97 Start: 67052, Stop: 65850, Start Num: 34

Candidate Starts for ChaChing_97:

(24, 67082), (Start: 34 @67052 has 6 MA's), (Start: 67 @66962 has 17 MA's), (Start: 79 @66908 has 157 MA's), (Start: 91 @66878 has 4 MA's), (104, 66794), (112, 66761), (140, 66689), (158, 66617), (174, 66536), (178, 66491), (180, 66485), (182, 66479), (183, 66467), (193, 66431), (213, 66329), (219, 66311), (228, 66266), (242, 66194), (245, 66179), (256, 66152), (260, 66143), (275, 66086), (295, 66002), (298, 65978), (309, 65948),

Gene: Chalmers_97 Start: 67646, Stop: 66588, Start Num: 79

Candidate Starts for Chalmers_97:

(24, 67820), (Start: 34 @67790 has 6 MA's), (Start: 67 @67700 has 17 MA's), (Start: 79 @67646 has 157 MA's), (Start: 91 @67616 has 4 MA's), (104, 67532), (112, 67499), (140, 67427), (158, 67355), (174, 67274), (178, 67229), (180, 67223), (182, 67217), (183, 67205), (193, 67169), (213, 67067),

(219, 67049), (228, 67004), (242, 66932), (245, 66917), (256, 66890), (260, 66881), (275, 66824), (295, 66740), (298, 66716), (309, 66686),

Gene: Chandler_97 Start: 67738, Stop: 66626, Start Num: 67

Candidate Starts for Chandler_97:

(24, 67858), (Start: 34 @67828 has 6 MA's), (Start: 67 @67738 has 17 MA's), (Start: 79 @67684 has 157 MA's), (Start: 91 @67654 has 4 MA's), (104, 67570), (112, 67537), (140, 67465), (158, 67393), (174, 67312), (178, 67267), (180, 67261), (182, 67255), (183, 67243), (193, 67207), (213, 67105), (219, 67087), (228, 67042), (242, 66970), (245, 66955), (256, 66928), (260, 66919), (275, 66862), (295, 66778), (298, 66754), (309, 66724),

Gene: CharlottesWeb_76 Start: 57928, Stop: 56921, Start Num: 79

Candidate Starts for CharlottesWeb_76:

(20, 58141), (25, 58096), (51, 58012), (54, 58006), (69, 57970), (Start: 79 @57928 has 157 MA's), (104, 57832), (112, 57799), (113, 57784), (134, 57733), (147, 57718), (175, 57568), (178, 57544), (180, 57538), (183, 57520), (199, 57466), (206, 57424), (208, 57415), (213, 57385), (224, 57334), (242, 57250), (274, 57151), (279, 57133), (281, 57130), (290, 57097), (295, 57061),

Gene: Chentzyk_99 Start: 67894, Stop: 66782, Start Num: 67

Candidate Starts for Chentzyk_99:

(24, 68014), (Start: 34 @67984 has 6 MA's), (Start: 67 @67894 has 17 MA's), (Start: 79 @67840 has 157 MA's), (Start: 91 @67810 has 4 MA's), (104, 67726), (112, 67693), (140, 67621), (158, 67549), (174, 67468), (178, 67423), (180, 67417), (182, 67411), (183, 67399), (185, 67393), (193, 67363), (213, 67261), (219, 67243), (228, 67198), (242, 67126), (245, 67111), (256, 67084), (260, 67075), (275, 67018), (295, 66934), (298, 66910), (309, 66880),

Gene: Chilliams_172 Start: 106822, Stop: 107802, Start Num: 79

Candidate Starts for Chilliams_172:

(Start: 79 @106822 has 157 MA's), (87, 106840), (93, 106864), (178, 107200), (198, 107263), (212, 107341), (234, 107437), (276, 107569), (281, 107581), (288, 107614), (323, 107782),

Gene: ChrisnMich_93 Start: 67523, Stop: 66477, Start Num: 79

Candidate Starts for ChrisnMich_93:

(Start: 67 @67580 has 17 MA's), (Start: 79 @67523 has 157 MA's), (96, 67451), (104, 67409), (112, 67376), (113, 67361), (116, 67352), (126, 67334), (144, 67295), (147, 67280), (149, 67277), (158, 67232), (170, 67169), (180, 67100), (182, 67094), (183, 67082), (188, 67064), (208, 66974), (210, 66965), (213, 66944), (221, 66917), (230, 66872), (238, 66827), (242, 66809), (245, 66794), (249, 66785), (251, 66779), (254, 66770), (266, 66749), (279, 66692), (289, 66662), (293, 66632), (295, 66620), (317, 66536), (321, 66515), (335, 66482),

Gene: Cinna_55 Start: 38481, Stop: 39482, Start Num: 85

Candidate Starts for Cinna_55:

(Start: 85 @38481 has 37 MA's), (97, 38529), (101, 38553), (110, 38595), (121, 38637), (146, 38697), (158, 38736), (162, 38760), (163, 38775), (165, 38784), (172, 38811), (173, 38817), (174, 38820), (179, 38868), (216, 39027), (239, 39150), (242, 39162), (245, 39177), (268, 39237), (271, 39252), (285, 39306),

Gene: Circuit_70 Start: 45977, Stop: 44967, Start Num: 90

Candidate Starts for Circuit_70:

(Start: 90 @45977 has 7 MA's), (104, 45908), (108, 45890), (175, 45620), (178, 45596), (206, 45488), (209, 45473), (214, 45446), (215, 45443), (242, 45314), (246, 45299), (250, 45287),

Gene: Clawz_1 Start: 1, Stop: 1032, Start Num: 79

Candidate Starts for Clawz_1:

(Start: 79 @1 has 157 MA's), (104, 97), (116, 154), (135, 199), (177, 406), (180, 418), (182, 424), (197, 481), (205, 526), (242, 703), (255, 745), (259, 754), (261, 757), (267, 778),

Gene: CloverMinnie_79 Start: 59450, Stop: 58275, Start Num: 27

Candidate Starts for CloverMinnie_79:

(Start: 27 @59450 has 1 MA's), (54, 59372), (69, 59336), (Start: 79 @59294 has 157 MA's), (104, 59198), (112, 59165), (116, 59141), (118, 59132), (131, 59108), (144, 59090), (151, 59069), (175, 58922), (178, 58898), (180, 58892), (183, 58874), (199, 58820), (204, 58784), (213, 58739), (224, 58688), (251, 58574), (281, 58484), (289, 58457), (290, 58451), (316, 58340),

Gene: Coffee_84 Start: 64899, Stop: 63829, Start Num: 79

Candidate Starts for Coffee_84:

(Start: 79 @64899 has 157 MA's), (Start: 91 @64869 has 4 MA's), (104, 64803), (106, 64794), (112, 64770), (116, 64746), (124, 64722), (180, 64467), (182, 64461), (183, 64449), (193, 64416), (199, 64395), (209, 64338), (210, 64335), (219, 64296), (221, 64287), (226, 64257), (230, 64242), (234, 64224), (237, 64200), (242, 64179), (251, 64149), (260, 64128), (279, 64062), (281, 64059), (289, 64032), (290, 64026), (305, 63951), (311, 63915),

Gene: ColdSoup_1 Start: 1, Stop: 1032, Start Num: 79

Candidate Starts for ColdSoup_1:

(Start: 79 @1 has 157 MA's), (104, 97), (135, 199), (177, 406), (180, 418), (182, 424), (197, 481), (205, 526), (210, 547), (219, 586), (242, 703), (245, 718), (259, 754), (261, 757),

Gene: Coldpizza_75 Start: 59810, Stop: 58806, Start Num: 79

Candidate Starts for Coldpizza_75:

(Start: 79 @59810 has 157 MA's), (104, 59714), (112, 59681), (116, 59657), (140, 59627), (144, 59618), (149, 59600), (152, 59582), (159, 59552), (180, 59423), (188, 59387), (193, 59369), (205, 59309), (209, 59291), (213, 59267), (245, 59117), (251, 59102), (266, 59072), (281, 59012), (298, 58919),

Gene: Compostia_96 Start: 67362, Stop: 66304, Start Num: 79

Candidate Starts for Compostia_96:

(24, 67536), (Start: 34 @67506 has 6 MA's), (Start: 67 @67416 has 17 MA's), (Start: 79 @67362 has 157 MA's), (Start: 91 @67332 has 4 MA's), (104, 67248), (112, 67215), (140, 67143), (158, 67071), (174, 66990), (178, 66945), (180, 66939), (182, 66933), (183, 66921), (193, 66885), (213, 66783), (219, 66765), (228, 66720), (242, 66648), (245, 66633), (256, 66606), (260, 66597), (275, 66540), (295, 66456), (298, 66432), (309, 66402),

Gene: Comrade_215 Start: 108241, Stop: 109263, Start Num: 80

Candidate Starts for Comrade_215:

(Start: 80 @108241 has 9 MA's), (Start: 91 @108271 has 4 MA's), (107, 108352), (112, 108370), (121, 108412), (128, 108430), (134, 108448), (181, 108628), (198, 108691), (203, 108724), (206, 108736), (207, 108739), (209, 108751), (224, 108826), (240, 108901), (245, 108925), (257, 108955), (276, 109018), (324, 109237),

Gene: Coogler_248 Start: 123737, Stop: 122724, Start Num: 81

Candidate Starts for Coogler_248:

(Start: 36 @123884 has 4 MA's), (Start: 53 @123830 has 4 MA's), (61, 123812), (Start: 81 @123737 has 135 MA's), (107, 123626), (113, 123593), (121, 123566), (123, 123557), (128, 123536), (133, 123521), (159, 123470), (176, 123359), (193, 123305), (210, 123224), (218, 123185), (223, 123167), (228, 123137), (240, 123074), (269, 122990), (272, 122978), (281, 122945), (292, 122885), (299, 122837), (308, 122819), (316, 122780),

Gene: Coogler_2 Start: 2225, Stop: 1212, Start Num: 81

Candidate Starts for Coogler_2:

(Start: 36 @2372 has 4 MA's), (Start: 53 @2318 has 4 MA's), (61, 2300), (Start: 81 @2225 has 135 MA's), (107, 2114), (113, 2081), (121, 2054), (123, 2045), (128, 2024), (133, 2009), (159, 1958), (176, 1847), (193, 1793), (210, 1712), (218, 1673), (223, 1655), (228, 1625), (240, 1562), (269, 1478), (272, 1466), (281, 1433), (292, 1373), (299, 1325), (308, 1307), (316, 1268),

Gene: CookieDog_50 Start: 30929, Stop: 31981, Start Num: 70

Candidate Starts for CookieDog_50:

(Start: 70 @30929 has 10 MA's), (Start: 79 @30971 has 157 MA's), (104, 31067), (113, 31115), (152, 31205), (180, 31364), (182, 31370), (184, 31385), (200, 31427), (206, 31466), (242, 31640), (276, 31748), (305, 31868), (316, 31910), (337, 31970),

Gene: Cooper_93 Start: 68069, Stop: 67017, Start Num: 79

Candidate Starts for Cooper_93:

(Start: 67 @68126 has 17 MA's), (Start: 79 @68069 has 157 MA's), (96, 67997), (104, 67955), (112, 67922), (113, 67907), (116, 67898), (126, 67880), (143, 67838), (144, 67835), (147, 67820), (149, 67817), (158, 67772), (170, 67709), (180, 67640), (182, 67634), (183, 67622), (188, 67604), (208, 67514), (210, 67505), (213, 67484), (221, 67457), (230, 67412), (238, 67367), (242, 67349), (245, 67334), (249, 67325), (251, 67319), (254, 67310), (266, 67289), (279, 67232), (289, 67202), (293, 67172), (295, 67160), (317, 67076), (321, 67055), (335, 67022),

Gene: Corofin_97 Start: 66919, Stop: 65861, Start Num: 79

Candidate Starts for Corofin_97:

(24, 67093), (Start: 34 @67063 has 6 MA's), (Start: 67 @66973 has 17 MA's), (Start: 79 @66919 has 157 MA's), (Start: 91 @66889 has 4 MA's), (104, 66805), (112, 66772), (140, 66700), (158, 66628), (174, 66547), (178, 66502), (180, 66496), (182, 66490), (183, 66478), (185, 66472), (193, 66442), (213, 66340), (219, 66322), (228, 66277), (242, 66205), (245, 66190), (256, 66163), (260, 66154), (275, 66097), (295, 66013), (298, 65989), (309, 65959),

Gene: Cressida_58 Start: 38132, Stop: 39133, Start Num: 85

Candidate Starts for Cressida_58:

(Start: 85 @38132 has 37 MA's), (97, 38180), (101, 38204), (110, 38246), (121, 38288), (146, 38348), (158, 38387), (162, 38411), (163, 38426), (172, 38462), (173, 38468), (174, 38471), (179, 38519), (216, 38678), (239, 38801), (242, 38813), (245, 38828), (268, 38888), (271, 38903), (285, 38957), (312, 39068), (324, 39125),

Gene: Cross_2 Start: 2225, Stop: 1212, Start Num: 81

Candidate Starts for Cross_2:

(Start: 36 @2372 has 4 MA's), (Start: 53 @2318 has 4 MA's), (61, 2300), (Start: 81 @2225 has 135 MA's), (107, 2114), (113, 2081), (121, 2054), (123, 2045), (128, 2024), (133, 2009), (159, 1958), (176, 1847), (193, 1793), (210, 1712), (218, 1673), (223, 1655), (228, 1625), (240, 1562), (269, 1478), (272, 1466), (281, 1433), (292, 1373), (299, 1325), (308, 1307), (316, 1268),

Gene: Cross_250 Start: 123957, Stop: 122944, Start Num: 81

Candidate Starts for Cross_250:

(Start: 36 @124104 has 4 MA's), (Start: 53 @124050 has 4 MA's), (61, 124032), (Start: 81 @123957 has 135 MA's), (107, 123846), (113, 123813), (121, 123786), (123, 123777), (128, 123756), (133, 123741), (159, 123690), (176, 123579), (193, 123525), (210, 123444), (218, 123405), (223, 123387), (228, 123357), (240, 123294), (269, 123210), (272, 123198), (281, 123165), (292, 123105), (299, 123057), (308, 123039), (316, 123000),

Gene: Cursive_2 Start: 2225, Stop: 1212, Start Num: 81

Candidate Starts for Cursive_2:

(Start: 81 @2225 has 135 MA's), (107, 2114), (113, 2081), (121, 2054), (123, 2045), (128, 2024), (133, 2009), (159, 1958), (176, 1847), (193, 1793), (210, 1712), (218, 1673), (223, 1655), (228, 1625), (240, 1562), (269, 1478), (272, 1466), (281, 1433), (292, 1373), (299, 1325), (308, 1307), (316, 1268),

Gene: Cursive_256 Start: 124234, Stop: 123221, Start Num: 81

Candidate Starts for Cursive_256:

(Start: 81 @124234 has 135 MA's), (107, 124123), (113, 124090), (121, 124063), (123, 124054), (128, 124033), (133, 124018), (159, 123967), (176, 123856), (193, 123802), (210, 123721), (218, 123682), (223, 123664), (228, 123634), (240, 123571), (269, 123487), (272, 123475), (281, 123442), (292, 123382), (299, 123334), (308, 123316), (316, 123277),

Gene: Daisy_96 Start: 66522, Stop: 65410, Start Num: 67

Candidate Starts for Daisy_96:

(24, 66642), (Start: 34 @66612 has 6 MA's), (Start: 67 @66522 has 17 MA's), (Start: 79 @66468 has 157 MA's), (Start: 91 @66438 has 4 MA's), (104, 66354), (112, 66321), (140, 66249), (158, 66177), (174, 66096), (178, 66051), (180, 66045), (182, 66039), (183, 66027), (193, 65991), (213, 65889), (219, 65871), (228, 65826), (242, 65754), (245, 65739), (256, 65712), (260, 65703), (275, 65646), (295, 65562), (298, 65538), (309, 65508),

Gene: Davielle_2 Start: 2215, Stop: 1202, Start Num: 81

Candidate Starts for Davielle_2:

(35, 2365), (46, 2329), (Start: 53 @2308 has 4 MA's), (61, 2290), (Start: 81 @2215 has 135 MA's), (101, 2134), (107, 2104), (121, 2044), (128, 2014), (133, 1999), (134, 1996), (159, 1948), (176, 1837), (193, 1783), (202, 1738), (210, 1702), (218, 1663), (223, 1645), (228, 1615), (272, 1456), (281, 1423), (292, 1363), (299, 1315), (308, 1297), (316, 1258),

Gene: Davielle_251 Start: 123375, Stop: 122362, Start Num: 81

Candidate Starts for Davielle_251:

(35, 123525), (46, 123489), (Start: 53 @123468 has 4 MA's), (61, 123450), (Start: 81 @123375 has 135 MA's), (101, 123294), (107, 123264), (121, 123204), (128, 123174), (133, 123159), (134, 123156), (159, 123108), (176, 122997), (193, 122943), (202, 122898), (210, 122862), (218, 122823), (223, 122805), (228, 122775), (272, 122616), (281, 122583), (292, 122523), (299, 122475), (308, 122457), (316, 122418),

Gene: Deenasa_98 Start: 68122, Stop: 67064, Start Num: 79

Candidate Starts for Deenasa_98:

(24, 68296), (Start: 34 @68266 has 6 MA's), (Start: 67 @68176 has 17 MA's), (Start: 79 @68122 has 157 MA's), (Start: 91 @68092 has 4 MA's), (104, 68008), (112, 67975), (140, 67903), (158, 67831), (174, 67750), (178, 67705), (180, 67699), (182, 67693), (183, 67681), (185, 67675), (193, 67645), (213, 67543), (219, 67525), (228, 67480), (242, 67408), (245, 67393), (256, 67366), (260, 67357), (275, 67300), (295, 67216), (298, 67192), (309, 67162),

Gene: DeluluLabubu_223 Start: 108278, Stop: 109300, Start Num: 81

Candidate Starts for DeluluLabubu_223:

(Start: 81 @108278 has 135 MA's), (Start: 91 @108308 has 4 MA's), (107, 108389), (112, 108407), (121, 108449), (128, 108467), (134, 108485), (181, 108665), (198, 108728), (203, 108761), (206, 108773), (207, 108776), (209, 108788), (224, 108863), (240, 108938), (245, 108962), (257, 108992), (276, 109055), (324, 109277), (333, 109292),

Gene: Devonte_95 Start: 66534, Stop: 65476, Start Num: 79

Candidate Starts for Devonte_95:

(24, 66708), (Start: 34 @66678 has 6 MA's), (Start: 67 @66588 has 17 MA's), (Start: 79 @66534 has 157 MA's), (Start: 91 @66504 has 4 MA's), (104, 66420), (112, 66387), (140, 66315), (158, 66243), (174, 66162), (178, 66117), (180, 66111), (182, 66105), (183, 66093), (193, 66057), (213, 65955), (219, 65937), (228, 65892), (242, 65820), (245, 65805), (256, 65778), (260, 65769), (275, 65712), (295, 65628), (298, 65604), (309, 65574),

Gene: Dewdrop_143 Start: 85445, Stop: 86449, Start Num: 85

Candidate Starts for Dewdrop_143:

(Start: 85 @85445 has 37 MA's), (93, 85475), (111, 85562), (138, 85640), (159, 85703), (173, 85781), (174, 85784), (177, 85823), (185, 85859), (210, 85961), (211, 85967), (213, 85982), (231, 86069), (243, 86129), (263, 86183), (265, 86186), (271, 86216), (281, 86252), (317, 86402),

Gene: DigitDog_92 Start: 67609, Stop: 66536, Start Num: 79

Candidate Starts for DigitDog_92:

(13, 67918), (22, 67804), (29, 67762), (Start: 79 @67609 has 157 MA's), (104, 67513), (112, 67480), (127, 67438), (137, 67408), (152, 67366), (153, 67357), (180, 67207), (182, 67201), (199, 67135), (210, 67075), (230, 66982), (232, 66973), (236, 66943), (240, 66928), (248, 66895), (251, 66889), (254, 66880), (260, 66868), (281, 66799), (282, 66793), (283, 66790), (298, 66706), (300, 66700), (314, 66661), (340, 66571), (341, 66568), (342, 66553),

Gene: DonTron_1 Start: 1, Stop: 1032, Start Num: 79

Candidate Starts for DonTron_1:

(Start: 79 @1 has 157 MA's), (104, 97), (135, 199), (177, 406), (180, 418), (182, 424), (197, 481), (205, 526), (210, 547), (219, 586), (242, 703), (245, 718), (259, 754), (261, 757),

Gene: Donny_90 Start: 66942, Stop: 65869, Start Num: 79

Candidate Starts for Donny_90:

(29, 67095), (Start: 79 @66942 has 157 MA's), (104, 66846), (112, 66813), (127, 66771), (153, 66690), (180, 66540), (182, 66534), (199, 66468), (230, 66315), (236, 66276), (240, 66261), (251, 66225), (254, 66216), (260, 66204), (266, 66195), (281, 66135), (283, 66126), (298, 66042), (300, 66036), (320, 65973), (338, 65922), (340, 65907), (342, 65889),

Gene: Dorin_194 Start: 106517, Stop: 107539, Start Num: 79

Candidate Starts for Dorin_194:

(Start: 79 @106517 has 157 MA's), (112, 106646), (123, 106697), (159, 106805), (177, 106910), (178, 106916), (196, 106979), (198, 106988), (206, 107033), (209, 107048), (213, 107072), (218, 107087), (234, 107162), (242, 107207), (322, 107507), (333, 107531),

Gene: Dropshot_50 Start: 30656, Stop: 31708, Start Num: 70

Candidate Starts for Dropshot_50:

(Start: 70 @30656 has 10 MA's), (Start: 79 @30698 has 157 MA's), (104, 30794), (113, 30842), (152, 30932), (180, 31091), (182, 31097), (184, 31112), (206, 31193), (242, 31367), (276, 31475), (305, 31595), (316, 31637), (337, 31697),

Gene: DunneganBoMo_164 Start: 112270, Stop: 113247, Start Num: 79

Candidate Starts for DunneganBoMo_164:

(Start: 79 @112270 has 157 MA's), (93, 112312), (127, 112438), (166, 112573), (178, 112654), (198, 112717), (213, 112801), (234, 112891), (242, 112936), (281, 113035), (295, 113110),

Gene: EGole_256 Start: 127107, Stop: 125947, Start Num: 36

Candidate Starts for EGole_256:

(Start: 36 @127107 has 4 MA's), (Start: 53 @127053 has 4 MA's), (61, 127035), (Start: 81 @126960 has 135 MA's), (107, 126849), (113, 126816), (121, 126789), (123, 126780), (128, 126759), (133,

126744), (159, 126693), (176, 126582), (177, 126579), (193, 126528), (210, 126447), (218, 126408), (223, 126390), (228, 126360), (240, 126297), (244, 126279), (272, 126201), (281, 126168), (292, 126108), (299, 126060),

Gene: EGole_2 Start: 2795, Stop: 1635, Start Num: 36

Candidate Starts for EGole_2:

(Start: 36 @2795 has 4 MA's), (Start: 53 @2741 has 4 MA's), (61, 2723), (Start: 81 @2648 has 135 MA's), (107, 2537), (113, 2504), (121, 2477), (123, 2468), (128, 2447), (133, 2432), (159, 2381), (176, 2270), (177, 2267), (193, 2216), (210, 2135), (218, 2096), (223, 2078), (228, 2048), (240, 1985), (244, 1967), (272, 1889), (281, 1856), (292, 1796), (299, 1748),

Gene: Eaglehorse_86 Start: 64784, Stop: 63714, Start Num: 79

Candidate Starts for Eaglehorse_86:

(Start: 79 @64784 has 157 MA's), (Start: 91 @64754 has 4 MA's), (104, 64688), (106, 64679), (112, 64655), (116, 64631), (124, 64607), (180, 64352), (182, 64346), (183, 64334), (193, 64301), (199, 64280), (209, 64223), (210, 64220), (219, 64181), (221, 64172), (226, 64142), (230, 64127), (237, 64085), (242, 64064), (251, 64034), (260, 64013), (279, 63947), (281, 63944), (289, 63917), (290, 63911), (305, 63836), (311, 63800),

Gene: EastView9101_90 Start: 67134, Stop: 66061, Start Num: 79

Candidate Starts for EastView9101_90:

(29, 67287), (Start: 79 @67134 has 157 MA's), (104, 67038), (112, 67005), (127, 66963), (153, 66882), (180, 66732), (182, 66726), (199, 66660), (223, 66546), (230, 66507), (236, 66468), (240, 66453), (251, 66417), (254, 66408), (260, 66396), (266, 66387), (281, 66327), (283, 66318), (298, 66234), (300, 66228), (320, 66165), (340, 66099), (342, 66081),

Gene: EastWest_82 Start: 49764, Stop: 48769, Start Num: 89

Candidate Starts for EastWest_82:

(Start: 89 @49764 has 21 MA's), (108, 49671), (128, 49608), (136, 49590), (144, 49575), (175, 49410), (180, 49380), (183, 49362), (206, 49278), (214, 49236), (215, 49233), (223, 49206), (260, 49053), (271, 49020), (315, 48837),

Gene: Eliot67_3 Start: 2567, Stop: 1404, Start Num: 35

Candidate Starts for Eliot67_3:

(35, 2567), (46, 2531), (Start: 53 @2510 has 4 MA's), (61, 2492), (Start: 81 @2417 has 135 MA's), (101, 2336), (107, 2306), (121, 2246), (128, 2216), (133, 2201), (134, 2198), (159, 2150), (176, 2039), (193, 1985), (202, 1940), (210, 1904), (218, 1865), (223, 1847), (228, 1817), (272, 1658), (281, 1625), (292, 1565), (299, 1517), (308, 1499), (316, 1460),

Gene: Eliot67_254 Start: 123381, Stop: 122218, Start Num: 35

Candidate Starts for Eliot67_254:

(35, 123381), (46, 123345), (Start: 53 @123324 has 4 MA's), (61, 123306), (Start: 81 @123231 has 135 MA's), (101, 123150), (107, 123120), (121, 123060), (128, 123030), (133, 123015), (134, 123012), (159, 122964), (176, 122853), (193, 122799), (202, 122754), (210, 122718), (218, 122679), (223, 122661), (228, 122631), (272, 122472), (281, 122439), (292, 122379), (299, 122331), (308, 122313), (316, 122274),

Gene: Ellewin_164 Start: 112375, Stop: 113352, Start Num: 79

Candidate Starts for Ellewin_164:

(Start: 79 @112375 has 157 MA's), (93, 112417), (127, 112543), (166, 112678), (178, 112759), (198, 112822), (213, 112906), (234, 112996), (242, 113041), (281, 113140), (295, 113215),

Gene: Elmer_3 Start: 2485, Stop: 1490, Start Num: 81

Candidate Starts for Elmer_3:

(Start: 33 @2632 has 1 MA's), (46, 2593), (48, 2581), (58, 2560), (65, 2542), (Start: 81 @2485 has 135 MA's), (107, 2374), (131, 2296), (134, 2287), (159, 2239), (161, 2221), (162, 2218), (193, 2074), (196, 2065), (210, 1993), (218, 1954), (223, 1936), (228, 1906), (240, 1843), (258, 1786), (281, 1711), (292, 1651), (295, 1630), (299, 1603), (308, 1585), (324, 1510), (327, 1501),

Gene: Elmer_270 Start: 124853, Stop: 123858, Start Num: 81

Candidate Starts for Elmer_270:

(Start: 33 @125000 has 1 MA's), (46, 124961), (48, 124949), (58, 124928), (65, 124910), (Start: 81 @124853 has 135 MA's), (107, 124742), (131, 124664), (134, 124655), (159, 124607), (161, 124589), (162, 124586), (193, 124442), (196, 124433), (210, 124361), (218, 124322), (223, 124304), (228, 124274), (240, 124211), (258, 124154), (281, 124079), (292, 124019), (295, 123998), (299, 123971), (308, 123953), (324, 123878), (327, 123869),

Gene: Emma1919_221 Start: 106800, Stop: 107822, Start Num: 81

Candidate Starts for Emma1919_221:

(Start: 81 @106800 has 135 MA's), (Start: 91 @106830 has 4 MA's), (107, 106911), (112, 106929), (121, 106971), (128, 106989), (134, 107007), (181, 107187), (198, 107250), (203, 107283), (206, 107295), (207, 107298), (209, 107310), (224, 107385), (240, 107460), (245, 107484), (247, 107490), (257, 107514), (276, 107577), (324, 107799), (333, 107814),

Gene: Emmetator_167 Start: 112586, Stop: 113563, Start Num: 79

Candidate Starts for Emmetator_167:

(Start: 79 @112586 has 157 MA's), (93, 112628), (127, 112754), (166, 112889), (178, 112970), (198, 113033), (213, 113117), (234, 113207), (242, 113252), (281, 113351), (295, 113426),

Gene: Enygma_2 Start: 2171, Stop: 1176, Start Num: 81

Candidate Starts for Enygma_2:

(Start: 33 @2315 has 1 MA's), (46, 2276), (50, 2261), (57, 2246), (65, 2228), (Start: 81 @2171 has 135 MA's), (107, 2060), (131, 1982), (134, 1973), (187, 1775), (196, 1751), (199, 1739), (203, 1709), (210, 1679), (218, 1640), (223, 1622), (228, 1592), (240, 1529), (281, 1397), (292, 1337), (299, 1289), (316, 1232), (324, 1196),

Gene: Enygma_270 Start: 124595, Stop: 123600, Start Num: 81

Candidate Starts for Enygma_270:

(Start: 33 @124739 has 1 MA's), (46, 124700), (50, 124685), (57, 124670), (65, 124652), (Start: 81 @124595 has 135 MA's), (107, 124484), (131, 124406), (134, 124397), (187, 124199), (196, 124175), (199, 124163), (203, 124133), (210, 124103), (218, 124064), (223, 124046), (228, 124016), (240, 123953), (281, 123821), (292, 123761), (299, 123713), (316, 123656), (324, 123620),

Gene: Epah_91 Start: 67837, Stop: 66791, Start Num: 79

Candidate Starts for Epah_91:

(Start: 79 @67837 has 157 MA's), (95, 67783), (96, 67765), (104, 67723), (112, 67690), (113, 67675), (116, 67666), (126, 67648), (144, 67609), (147, 67594), (158, 67546), (170, 67483), (180, 67414), (182, 67408), (183, 67396), (208, 67288), (210, 67279), (213, 67258), (230, 67186), (245, 67108), (249, 67099), (251, 67093), (254, 67084), (266, 67063), (279, 67006), (289, 66976), (295, 66934), (304, 66904), (317, 66850), (321, 66829), (335, 66796),

Gene: EugeneKrabs_18 Start: 13122, Stop: 12133, Start Num: 85

Candidate Starts for EugeneKrabs_18:

(Start: 85 @13122 has 37 MA's), (93, 13092), (98, 13071), (100, 13059), (151, 12909), (162, 12855), (165, 12831), (170, 12816), (201, 12660), (208, 12627), (281, 12327), (297, 12240), (312, 12198), (316, 12180),

Gene: Evaa_80 Start: 59121, Stop: 58117, Start Num: 79

Candidate Starts for Evaa_80:

(Start: 79 @59121 has 157 MA's), (92, 59088), (104, 59025), (112, 58992), (116, 58968), (118, 58959), (144, 58929), (149, 58911), (151, 58908), (152, 58893), (158, 58866), (180, 58734), (182, 58728), (188, 58698), (209, 58602), (213, 58578), (221, 58551), (243, 58440), (245, 58428), (256, 58401), (297, 58233), (298, 58230),

Gene: Evy_2 Start: 2329, Stop: 1316, Start Num: 81

Candidate Starts for Evy_2:

(Start: 36 @2467 has 4 MA's), (Start: 53 @2422 has 4 MA's), (61, 2404), (77, 2341), (Start: 81 @2329 has 135 MA's), (101, 2248), (107, 2218), (113, 2185), (122, 2152), (128, 2128), (133, 2113), (159, 2062), (193, 1897), (210, 1816), (218, 1777), (223, 1759), (228, 1729), (240, 1666), (244, 1648), (272, 1570), (281, 1537), (299, 1429), (308, 1411), (316, 1372),

Gene: Evy_240 Start: 124058, Stop: 123045, Start Num: 81

Candidate Starts for Evy_240:

(Start: 36 @124196 has 4 MA's), (Start: 53 @124151 has 4 MA's), (61, 124133), (77, 124070), (Start: 81 @124058 has 135 MA's), (101, 123977), (107, 123947), (113, 123914), (122, 123881), (128, 123857), (133, 123842), (159, 123791), (193, 123626), (210, 123545), (218, 123506), (223, 123488), (228, 123458), (240, 123395), (244, 123377), (272, 123299), (281, 123266), (299, 123158), (308, 123140), (316, 123101),

Gene: Fanaw_87 Start: 68504, Stop: 67437, Start Num: 79

Candidate Starts for Fanaw_87:

(Start: 79 @68504 has 157 MA's), (104, 68390), (105, 68384), (112, 68357), (113, 68342), (116, 68333), (126, 68315), (128, 68309), (144, 68267), (149, 68249), (158, 68204), (170, 68141), (180, 68072), (183, 68054), (188, 68036), (193, 68018), (208, 67946), (210, 67937), (213, 67916), (238, 67799), (240, 67790), (245, 67766), (249, 67757), (254, 67742), (266, 67721), (279, 67664), (289, 67634), (293, 67604), (295, 67592), (297, 67571), (317, 67496), (321, 67475), (332, 67448), (335, 67442),

Gene: Faust_215 Start: 108762, Stop: 109772, Start Num: 81

Candidate Starts for Faust_215:

(Start: 81 @108762 has 135 MA's), (Start: 91 @108792 has 4 MA's), (101, 108843), (107, 108873), (115, 108912), (142, 108981), (212, 109278), (231, 109362), (240, 109410), (245, 109434), (247, 109440), (274, 109518), (282, 109545), (314, 109704), (321, 109737), (322, 109740), (325, 109752),

Gene: Faze9_84 Start: 64921, Stop: 63851, Start Num: 79

Candidate Starts for Faze9_84:

(Start: 79 @64921 has 157 MA's), (Start: 91 @64891 has 4 MA's), (104, 64825), (106, 64816), (112, 64792), (116, 64768), (124, 64744), (180, 64489), (182, 64483), (183, 64471), (193, 64438), (199, 64417), (209, 64360), (210, 64357), (219, 64318), (221, 64309), (226, 64279), (230, 64264), (234, 64246), (237, 64222), (242, 64201), (251, 64171), (260, 64150), (279, 64084), (281, 64081), (289, 64054), (290, 64048), (305, 63973), (311, 63937),

Gene: FelixTres_80 Start: 59260, Stop: 58241, Start Num: 79

Candidate Starts for FelixTres_80:

(Start: 27 @59416 has 1 MA's), (54, 59338), (69, 59302), (Start: 79 @59260 has 157 MA's), (104, 59164), (112, 59131), (116, 59107), (118, 59098), (131, 59074), (144, 59056), (151, 59035), (175, 58888), (178, 58864), (180, 58858), (183, 58840), (199, 58786), (204, 58750), (213, 58705), (224, 58654), (251, 58540), (281, 58450), (289, 58423), (290, 58417), (316, 58306),

Gene: FloraSnap32_172 Start: 114366, Stop: 115340, Start Num: 79

Candidate Starts for FloraSnap32_172:

(Start: 79 @114366 has 157 MA's), (93, 114408), (103, 114465), (174, 114702), (178, 114747), (198, 114810), (228, 114957), (234, 114984), (281, 115128), (286, 115155), (288, 115161), (319, 115299),

Gene: ForDig_92 Start: 68734, Stop: 67697, Start Num: 79

Candidate Starts for ForDig_92:

(56, 68815), (Start: 79 @68734 has 157 MA's), (Start: 91 @68704 has 4 MA's), (96, 68662), (104, 68620), (112, 68587), (118, 68554), (144, 68524), (158, 68461), (180, 68329), (182, 68323), (183, 68311), (208, 68203), (210, 68194), (213, 68173), (220, 68149), (221, 68146), (230, 68101), (245, 68023), (289, 67891), (297, 67828), (317, 67756),

Gene: Forrest_221 Start: 107765, Stop: 108787, Start Num: 81

Candidate Starts for Forrest_221:

(Start: 81 @107765 has 135 MA's), (Start: 91 @107795 has 4 MA's), (107, 107876), (112, 107894), (121, 107936), (128, 107954), (134, 107972), (181, 108152), (198, 108215), (203, 108248), (206, 108260), (207, 108263), (209, 108275), (224, 108350), (240, 108425), (245, 108449), (257, 108479), (276, 108542), (324, 108764), (333, 108779),

Gene: Fortunato_89 Start: 68261, Stop: 67203, Start Num: 79

Candidate Starts for Fortunato_89:

(Start: 79 @68261 has 157 MA's), (95, 68207), (104, 68147), (105, 68141), (112, 68114), (113, 68099), (116, 68090), (126, 68072), (144, 68033), (149, 68015), (158, 67970), (170, 67907), (180, 67838), (183, 67820), (188, 67802), (193, 67784), (208, 67712), (210, 67703), (213, 67682), (238, 67565), (240, 67556), (245, 67532), (249, 67523), (254, 67508), (266, 67487), (279, 67430), (289, 67400), (293, 67370), (295, 67358), (297, 67337), (317, 67262), (321, 67241), (332, 67214), (335, 67208),

Gene: Francesca_196 Start: 107439, Stop: 108461, Start Num: 79

Candidate Starts for Francesca_196:

(Start: 79 @107439 has 157 MA's), (112, 107568), (121, 107610), (123, 107619), (159, 107727), (177, 107832), (178, 107838), (183, 107862), (196, 107901), (198, 107910), (206, 107955), (209, 107970), (213, 107994), (218, 108009), (234, 108084), (242, 108129), (322, 108429),

Gene: Francob_223 Start: 107816, Stop: 108835, Start Num: 80

Candidate Starts for Francob_223:

(Start: 80 @107816 has 9 MA's), (Start: 91 @107843 has 4 MA's), (107, 107924), (112, 107942), (121, 107984), (128, 108002), (134, 108020), (150, 108053), (181, 108200), (198, 108263), (200, 108269), (203, 108296), (204, 108302), (206, 108308), (207, 108311), (209, 108323), (224, 108398), (240, 108473), (245, 108497), (257, 108527), (276, 108590), (324, 108809),

Gene: Franzy_71 Start: 49640, Stop: 48591, Start Num: 75

Candidate Starts for Franzy_71:

(Start: 75 @49640 has 2 MA's), (Start: 89 @49595 has 21 MA's), (137, 49415), (144, 49397), (153, 49352), (156, 49343), (160, 49316), (175, 49232), (178, 49208), (180, 49202), (183, 49184), (215, 49055), (242, 48926), (246, 48911), (301, 48704), (315, 48659), (331, 48605),

Gene: FreddyDRoo_3 Start: 2567, Stop: 1404, Start Num: 35

Candidate Starts for FreddyDRoo_3:

(35, 2567), (46, 2531), (Start: 53 @2510 has 4 MA's), (61, 2492), (Start: 81 @2417 has 135 MA's), (101, 2336), (107, 2306), (121, 2246), (128, 2216), (133, 2201), (134, 2198), (159, 2150), (176, 2039), (193, 1985), (202, 1940), (210, 1904), (218, 1865), (223, 1847), (228, 1817), (272, 1658), (281, 1625), (292, 1565), (299, 1517), (308, 1499), (316, 1460),

Gene: FreddyDRoo_256 Start: 123381, Stop: 122218, Start Num: 35

Candidate Starts for FreddyDRoo_256:

(35, 123381), (46, 123345), (Start: 53 @123324 has 4 MA's), (61, 123306), (Start: 81 @123231 has 135 MA's), (101, 123150), (107, 123120), (121, 123060), (128, 123030), (133, 123015), (134, 123012), (159, 122964), (176, 122853), (193, 122799), (202, 122754), (210, 122718), (218, 122679), (223, 122661), (228, 122631), (272, 122472), (281, 122439), (292, 122379), (299, 122331), (308, 122313), (316, 122274),

Gene: Frederick_93 Start: 68766, Stop: 67708, Start Num: 79

Candidate Starts for Frederick_93:

(Start: 79 @68766 has 157 MA's), (95, 68712), (96, 68694), (104, 68652), (105, 68646), (112, 68619), (113, 68604), (116, 68595), (126, 68577), (144, 68538), (149, 68520), (158, 68475), (170, 68412), (180, 68343), (183, 68325), (188, 68307), (193, 68289), (208, 68217), (210, 68208), (213, 68187), (238, 68070), (240, 68061), (245, 68037), (249, 68028), (254, 68013), (266, 67992), (279, 67935), (289, 67905), (293, 67875), (295, 67863), (297, 67842), (317, 67767), (321, 67746), (335, 67713),

Gene: FrenchFry_86 Start: 64908, Stop: 63838, Start Num: 79

Candidate Starts for FrenchFry_86:

(Start: 79 @64908 has 157 MA's), (Start: 91 @64878 has 4 MA's), (104, 64812), (106, 64803), (112, 64779), (116, 64755), (124, 64731), (180, 64476), (182, 64470), (183, 64458), (193, 64425), (199, 64404), (209, 64347), (210, 64344), (219, 64305), (221, 64296), (226, 64266), (230, 64251), (234, 64233), (237, 64209), (242, 64188), (251, 64158), (260, 64137), (279, 64071), (281, 64068), (289, 64041), (290, 64035), (305, 63960), (311, 63924),

Gene: Fresco_80 Start: 59322, Stop: 58315, Start Num: 79

Candidate Starts for Fresco_80:

(Start: 79 @59322 has 157 MA's), (104, 59226), (112, 59193), (113, 59178), (134, 59127), (147, 59112), (178, 58938), (180, 58932), (183, 58914), (199, 58860), (206, 58818), (208, 58809), (213, 58779), (224, 58728), (274, 58545), (279, 58527), (281, 58524), (290, 58491), (295, 58455), (328, 58332),

Gene: FrostedClock_178 Start: 116616, Stop: 117590, Start Num: 79

Candidate Starts for FrostedClock_178:

(Start: 79 @116616 has 157 MA's), (93, 116658), (178, 116997), (198, 117060), (205, 117102), (217, 117156), (234, 117234), (281, 117378), (286, 117405), (288, 117411), (319, 117549),

Gene: Fullmetal_18 Start: 12570, Stop: 11566, Start Num: 85

Candidate Starts for Fullmetal_18:

(Start: 85 @12570 has 37 MA's), (113, 12441), (151, 12345), (163, 12276), (165, 12267), (177, 12192), (210, 12054), (228, 11961), (242, 11889), (245, 11874), (251, 11859), (256, 11847), (265, 11829), (273, 11784), (306, 11652), (316, 11613), (325, 11571),

Gene: Funsized_89 Start: 69514, Stop: 68426, Start Num: 79

Candidate Starts for Funsized_89:

(Start: 67 @69568 has 17 MA's), (Start: 79 @69514 has 157 MA's), (104, 69418), (112, 69385), (118, 69352), (131, 69304), (133, 69298), (135, 69292), (139, 69280), (144, 69268), (159, 69202), (167, 69151), (180, 69073), (182, 69067), (185, 69049), (199, 69001), (210, 68941), (219, 68902), (221, 68893), (223, 68887), (224, 68869), (236, 68809), (240, 68794), (251, 68755), (260, 68734), (276, 68677), (281, 68665), (282, 68659), (283, 68656), (296, 68584), (298, 68572),

Gene: Gadget_96 Start: 66316, Stop: 65114, Start Num: 34

Candidate Starts for Gadget_96:

(24, 66346), (Start: 34 @66316 has 6 MA's), (Start: 67 @66226 has 17 MA's), (Start: 79 @66172 has 157 MA's), (Start: 91 @66142 has 4 MA's), (104, 66058), (112, 66025), (140, 65953), (158, 65881), (174, 65800), (178, 65755), (180, 65749), (182, 65743), (183, 65731), (193, 65695), (213, 65593), (219, 65575), (228, 65530), (242, 65458), (245, 65443), (256, 65416), (260, 65407), (275, 65350), (295, 65266), (298, 65242), (309, 65212),

Gene: Genie2_259 Start: 121529, Stop: 120528, Start Num: 81

Candidate Starts for Genie2_259:

(62, 121595), (65, 121586), (Start: 81 @121529 has 135 MA's), (107, 121418), (134, 121331), (183, 121139), (193, 121118), (196, 121109), (203, 121067), (210, 121037), (218, 120998), (223, 120980), (228, 120950), (240, 120887), (281, 120755), (292, 120695), (299, 120647), (308, 120629), (316, 120590),

Gene: Genie2_4 Start: 2628, Stop: 1627, Start Num: 81

Candidate Starts for Genie2_4:

(62, 2694), (65, 2685), (Start: 81 @2628 has 135 MA's), (107, 2517), (134, 2430), (183, 2238), (193, 2217), (196, 2208), (203, 2166), (210, 2136), (218, 2097), (223, 2079), (228, 2049), (240, 1986), (281, 1854), (292, 1794), (299, 1746), (308, 1728), (316, 1689),

Gene: Gervas_98 Start: 67363, Stop: 66305, Start Num: 79

Candidate Starts for Gervas_98:

(24, 67537), (Start: 34 @67507 has 6 MA's), (Start: 67 @67417 has 17 MA's), (Start: 79 @67363 has 157 MA's), (Start: 91 @67333 has 4 MA's), (104, 67249), (112, 67216), (140, 67144), (158, 67072), (174, 66991), (178, 66946), (180, 66940), (182, 66934), (183, 66922), (193, 66886), (213, 66784), (219, 66766), (228, 66721), (242, 66649), (245, 66634), (256, 66607), (260, 66598), (275, 66541), (295, 66457), (298, 66433), (309, 66403),

Gene: Gibbi_273 Start: 122322, Stop: 121321, Start Num: 81

Candidate Starts for Gibbi_273:

(Start: 33 @122466 has 1 MA's), (46, 122427), (50, 122412), (57, 122397), (62, 122388), (65, 122379), (Start: 81 @122322 has 135 MA's), (107, 122211), (131, 122133), (183, 121932), (187, 121926), (196, 121902), (199, 121890), (210, 121830), (218, 121791), (223, 121773), (228, 121743), (240, 121680), (281, 121548), (292, 121488), (299, 121440), (316, 121383), (327, 121338),

Gene: Gibbi_2 Start: 2222, Stop: 1221, Start Num: 81

Candidate Starts for Gibbi_2:

(Start: 33 @2366 has 1 MA's), (46, 2327), (50, 2312), (57, 2297), (62, 2288), (65, 2279), (Start: 81 @2222 has 135 MA's), (107, 2111), (131, 2033), (183, 1832), (187, 1826), (196, 1802), (199, 1790), (210, 1730), (218, 1691), (223, 1673), (228, 1643), (240, 1580), (281, 1448), (292, 1388), (299, 1340), (316, 1283), (327, 1238),

Gene: Gilson_218 Start: 106326, Stop: 107348, Start Num: 81

Candidate Starts for Gilson_218:

(Start: 81 @106326 has 135 MA's), (Start: 91 @106356 has 4 MA's), (107, 106437), (112, 106455), (121, 106497), (128, 106515), (134, 106533), (181, 106713), (198, 106776), (203, 106809), (206, 106821), (207, 106824), (209, 106836), (224, 106911), (240, 106986), (245, 107010), (247, 107016), (257, 107040), (276, 107103), (324, 107325), (333, 107340),

Gene: GinPorsche_93 Start: 67834, Stop: 66788, Start Num: 79

Candidate Starts for GinPorsche_93:

(Start: 79 @67834 has 157 MA's), (95, 67780), (96, 67762), (104, 67720), (112, 67687), (113, 67672), (116, 67663), (126, 67645), (144, 67606), (147, 67591), (158, 67543), (170, 67480), (180, 67411), (182, 67405), (183, 67393), (208, 67285), (210, 67276), (213, 67255), (230, 67183), (245, 67105),

(249, 67096), (251, 67090), (254, 67081), (266, 67060), (279, 67003), (289, 66973), (295, 66931), (304, 66901), (317, 66847), (321, 66826), (335, 66793),

Gene: Glass_87 Start: 64915, Stop: 63845, Start Num: 79

Candidate Starts for Glass_87:

(Start: 79 @64915 has 157 MA's), (Start: 91 @64885 has 4 MA's), (104, 64819), (106, 64810), (112, 64786), (116, 64762), (124, 64738), (180, 64483), (182, 64477), (183, 64465), (193, 64432), (199, 64411), (209, 64354), (210, 64351), (219, 64312), (221, 64303), (226, 64273), (230, 64258), (237, 64216), (242, 64195), (251, 64165), (260, 64144), (279, 64078), (281, 64075), (289, 64048), (290, 64042), (305, 63967), (311, 63931),

Gene: GlenHope_98 Start: 66938, Stop: 65880, Start Num: 79

Candidate Starts for GlenHope_98:

(24, 67112), (Start: 34 @67082 has 6 MA's), (Start: 67 @66992 has 17 MA's), (Start: 79 @66938 has 157 MA's), (Start: 91 @66908 has 4 MA's), (104, 66824), (112, 66791), (140, 66719), (155, 66662), (158, 66647), (174, 66566), (178, 66521), (180, 66515), (182, 66509), (183, 66497), (193, 66461), (213, 66359), (219, 66341), (228, 66296), (242, 66224), (245, 66209), (256, 66182), (260, 66173), (275, 66116), (295, 66032), (298, 66008), (309, 65978),

Gene: Glubnar_97 Start: 66854, Stop: 65796, Start Num: 79

Candidate Starts for Glubnar_97:

(24, 67028), (Start: 34 @66998 has 6 MA's), (Start: 67 @66908 has 17 MA's), (Start: 79 @66854 has 157 MA's), (Start: 91 @66824 has 4 MA's), (104, 66740), (112, 66707), (140, 66635), (158, 66563), (174, 66482), (178, 66437), (180, 66431), (182, 66425), (183, 66413), (193, 66377), (213, 66275), (219, 66257), (228, 66212), (242, 66140), (245, 66125), (256, 66098), (260, 66089), (275, 66032), (295, 65948), (298, 65924), (309, 65894),

Gene: Godines_85 Start: 64821, Stop: 63751, Start Num: 79

Candidate Starts for Godines_85:

(23, 65016), (Start: 79 @64821 has 157 MA's), (Start: 91 @64791 has 4 MA's), (104, 64725), (106, 64716), (112, 64692), (116, 64668), (124, 64644), (180, 64389), (182, 64383), (183, 64371), (193, 64338), (199, 64317), (209, 64260), (210, 64257), (219, 64218), (221, 64209), (226, 64179), (230, 64164), (234, 64146), (237, 64122), (242, 64101), (251, 64071), (260, 64050), (279, 63984), (281, 63981), (289, 63954), (290, 63948), (305, 63873), (311, 63837),

Gene: GoldenEssence_162 Start: 109608, Stop: 110582, Start Num: 79

Candidate Starts for GoldenEssence_162:

(Start: 79 @109608 has 157 MA's), (93, 109650), (178, 109989), (198, 110052), (205, 110094), (217, 110148), (234, 110226), (235, 110241), (281, 110370), (286, 110397), (288, 110403), (319, 110541),

Gene: GravityBall_77 Start: 50741, Stop: 49743, Start Num: 89

Candidate Starts for GravityBall_77:

(Start: 86 @50747 has 2 MA's), (Start: 89 @50741 has 21 MA's), (108, 50645), (128, 50582), (136, 50564), (175, 50384), (178, 50360), (180, 50354), (183, 50336), (184, 50333), (204, 50258), (215, 50207), (246, 50063), (260, 50027), (271, 49994), (315, 49811), (329, 49760),

Gene: Grayson_185 Start: 96345, Stop: 97394, Start Num: 78

Candidate Starts for Grayson_185:

(Start: 78 @96345 has 4 MA's), (93, 96384), (100, 96417), (108, 96462), (115, 96498), (133, 96555), (163, 96693), (178, 96774), (180, 96780), (182, 96786), (189, 96819), (212, 96924), (215, 96936), (224, 96981), (228, 96993), (238, 97047), (242, 97065), (281, 97185), (296, 97263), (321, 97359), (327, 97380),

Gene: Grekaycon_77 Start: 50613, Stop: 49618, Start Num: 89

Candidate Starts for Grekaycon_77:

(Start: 89 @50613 has 21 MA's), (108, 50520), (128, 50457), (136, 50439), (175, 50259), (178, 50235), (180, 50229), (183, 50211), (184, 50208), (204, 50133), (215, 50082), (242, 49953), (246, 49938), (260, 49902), (271, 49869), (315, 49686),

Gene: Grumio_1 Start: 1, Stop: 1032, Start Num: 79

Candidate Starts for Grumio_1:

(Start: 79 @1 has 157 MA's), (104, 97), (135, 199), (177, 406), (180, 418), (182, 424), (197, 481), (205, 526), (210, 547), (219, 586), (242, 703), (245, 718), (259, 754), (261, 757),

Gene: Guzman_50 Start: 30912, Stop: 31964, Start Num: 70

Candidate Starts for Guzman_50:

(Start: 70 @30912 has 10 MA's), (Start: 79 @30954 has 157 MA's), (104, 31050), (113, 31098), (152, 31188), (180, 31347), (182, 31353), (184, 31368), (206, 31449), (242, 31623), (276, 31731), (305, 31851), (316, 31893), (337, 31953),

Gene: Halfpint_96 Start: 66683, Stop: 65625, Start Num: 79

Candidate Starts for Halfpint_96:

(24, 66857), (Start: 34 @66827 has 6 MA's), (Start: 67 @66737 has 17 MA's), (Start: 79 @66683 has 157 MA's), (Start: 91 @66653 has 4 MA's), (104, 66569), (112, 66536), (140, 66464), (158, 66392), (174, 66311), (178, 66266), (180, 66260), (182, 66254), (183, 66242), (193, 66206), (213, 66104), (219, 66086), (228, 66041), (242, 65969), (245, 65954), (256, 65927), (260, 65918), (275, 65861), (295, 65777), (298, 65753), (309, 65723),

Gene: Hally898_89 Start: 67674, Stop: 66628, Start Num: 79

Candidate Starts for Hally898_89:

(Start: 79 @67674 has 157 MA's), (95, 67620), (96, 67602), (104, 67560), (112, 67527), (113, 67512), (116, 67503), (126, 67485), (144, 67446), (147, 67431), (158, 67383), (170, 67320), (180, 67251), (182, 67245), (183, 67233), (208, 67125), (210, 67116), (213, 67095), (230, 67023), (245, 66945), (249, 66936), (251, 66930), (254, 66921), (266, 66900), (279, 66843), (289, 66813), (295, 66771), (304, 66741), (317, 66687), (321, 66666), (335, 66633),

Gene: Hangman_92 Start: 69061, Stop: 68003, Start Num: 79

Candidate Starts for Hangman_92:

(Start: 79 @69061 has 157 MA's), (95, 69007), (104, 68947), (105, 68941), (112, 68914), (113, 68899), (116, 68890), (126, 68872), (144, 68833), (149, 68815), (151, 68812), (158, 68770), (170, 68707), (180, 68638), (183, 68620), (188, 68602), (193, 68584), (208, 68512), (210, 68503), (213, 68482), (238, 68365), (240, 68356), (245, 68332), (249, 68323), (254, 68308), (266, 68287), (279, 68230), (289, 68200), (293, 68170), (295, 68158), (297, 68137), (317, 68062), (321, 68041), (332, 68014), (335, 68008),

Gene: HangryHippo_2 Start: 2225, Stop: 1212, Start Num: 81

Candidate Starts for HangryHippo_2:

(Start: 36 @2372 has 4 MA's), (Start: 53 @2318 has 4 MA's), (61, 2300), (Start: 81 @2225 has 135 MA's), (107, 2114), (113, 2081), (121, 2054), (123, 2045), (128, 2024), (133, 2009), (159, 1958), (176, 1847), (193, 1793), (210, 1712), (218, 1673), (223, 1655), (228, 1625), (240, 1562), (269, 1478), (272, 1466), (281, 1433), (292, 1373), (299, 1325), (308, 1307), (316, 1268),

Gene: HangryHippo_250 Start: 123312, Stop: 122299, Start Num: 81

Candidate Starts for HangryHippo_250:

(Start: 36 @123459 has 4 MA's), (Start: 53 @123405 has 4 MA's), (61, 123387), (Start: 81 @123312 has 135 MA's), (107, 123201), (113, 123168), (121, 123141), (123, 123132), (128, 123111), (133,

123096), (159, 123045), (176, 122934), (193, 122880), (210, 122799), (218, 122760), (223, 122742), (228, 122712), (240, 122649), (269, 122565), (272, 122553), (281, 122520), (292, 122460), (299, 122412), (308, 122394), (316, 122355),

Gene: HarveySr_94 Start: 66061, Stop: 64949, Start Num: 67

Candidate Starts for HarveySr_94:

(24, 66181), (Start: 34 @66151 has 6 MA's), (Start: 67 @66061 has 17 MA's), (Start: 79 @66007 has 157 MA's), (Start: 91 @65977 has 4 MA's), (104, 65893), (112, 65860), (140, 65788), (158, 65716), (174, 65635), (178, 65590), (180, 65584), (182, 65578), (183, 65566), (185, 65560), (193, 65530), (213, 65428), (219, 65410), (228, 65365), (242, 65293), (245, 65278), (256, 65251), (260, 65242), (275, 65185), (295, 65101), (298, 65077), (309, 65047),

Gene: Heath_86 Start: 66831, Stop: 65773, Start Num: 79

Candidate Starts for Heath_86:

(Start: 79 @66831 has 157 MA's), (95, 66777), (96, 66759), (104, 66717), (105, 66711), (112, 66684), (113, 66669), (116, 66660), (126, 66642), (144, 66603), (149, 66585), (158, 66540), (170, 66477), (180, 66408), (183, 66390), (188, 66372), (193, 66354), (208, 66282), (210, 66273), (213, 66252), (238, 66135), (240, 66126), (245, 66102), (249, 66093), (254, 66078), (266, 66057), (279, 66000), (289, 65970), (293, 65940), (295, 65928), (297, 65907), (317, 65832), (321, 65811), (335, 65778),

Gene: Heathcliff_97 Start: 66916, Stop: 65804, Start Num: 67

Candidate Starts for Heathcliff_97:

(24, 67036), (Start: 34 @67006 has 6 MA's), (Start: 67 @66916 has 17 MA's), (Start: 79 @66862 has 157 MA's), (Start: 91 @66832 has 4 MA's), (104, 66748), (112, 66715), (140, 66643), (158, 66571), (174, 66490), (178, 66445), (180, 66439), (182, 66433), (183, 66421), (193, 66385), (213, 66283), (219, 66265), (228, 66220), (242, 66148), (245, 66133), (256, 66106), (260, 66097), (275, 66040), (295, 65956), (298, 65932), (309, 65902),

Gene: Hedgerow_85 Start: 64872, Stop: 63802, Start Num: 79

Candidate Starts for Hedgerow_85:

(Start: 79 @64872 has 157 MA's), (Start: 91 @64842 has 4 MA's), (104, 64776), (106, 64767), (112, 64743), (116, 64719), (124, 64695), (180, 64440), (182, 64434), (183, 64422), (193, 64389), (199, 64368), (209, 64311), (210, 64308), (219, 64269), (221, 64260), (226, 64230), (230, 64215), (234, 64197), (237, 64173), (242, 64152), (251, 64122), (260, 64101), (279, 64035), (281, 64032), (289, 64005), (290, 63999), (305, 63924), (311, 63888),

Gene: Hendrix_145 Start: 89503, Stop: 90504, Start Num: 85

Candidate Starts for Hendrix_145:

(Start: 85 @89503 has 37 MA's), (93, 89533), (114, 89635), (138, 89698), (142, 89707), (159, 89761), (174, 89842), (185, 89917), (213, 90040), (263, 90241), (265, 90244), (271, 90274), (281, 90310), (316, 90457),

Gene: Holeinone_85 Start: 64762, Stop: 63692, Start Num: 79

Candidate Starts for Holeinone_85:

(23, 64957), (Start: 79 @64762 has 157 MA's), (Start: 91 @64732 has 4 MA's), (104, 64666), (106, 64657), (112, 64633), (116, 64609), (124, 64585), (152, 64489), (180, 64330), (182, 64324), (183, 64312), (193, 64279), (199, 64258), (209, 64201), (210, 64198), (219, 64159), (221, 64150), (226, 64120), (230, 64105), (234, 64087), (237, 64063), (242, 64042), (251, 64012), (260, 63991), (279, 63925), (281, 63922), (289, 63895), (290, 63889), (305, 63814), (311, 63778),

Gene: Hosp_090 Start: 66775, Stop: 65738, Start Num: 79

Candidate Starts for Hosp_090:

(56, 66856), (Start: 79 @66775 has 157 MA's), (Start: 91 @66745 has 4 MA's), (96, 66703), (104, 66661), (112, 66628), (118, 66595), (131, 66574), (144, 66565), (158, 66502), (180, 66370), (182, 66364), (183, 66352), (208, 66244), (210, 66235), (213, 66214), (221, 66187), (245, 66064), (251, 66049), (289, 65932), (297, 65869), (317, 65797),

Gene: Hydro_92 Start: 68848, Stop: 67790, Start Num: 79

Candidate Starts for Hydro_92:

(Start: 79 @68848 has 157 MA's), (95, 68794), (104, 68734), (105, 68728), (112, 68701), (113, 68686), (116, 68677), (126, 68659), (144, 68620), (149, 68602), (151, 68599), (158, 68557), (170, 68494), (180, 68425), (183, 68407), (188, 68389), (193, 68371), (208, 68299), (210, 68290), (213, 68269), (238, 68152), (240, 68143), (245, 68119), (249, 68110), (266, 68074), (279, 68017), (289, 67987), (293, 67957), (295, 67945), (297, 67924), (317, 67849), (321, 67828), (335, 67795),

Gene: IchabodCrane_2 Start: 2214, Stop: 1219, Start Num: 81

Candidate Starts for IchabodCrane_2:

(Start: 71 @2259 has 21 MA's), (Start: 81 @2214 has 135 MA's), (107, 2103), (113, 2070), (123, 2037), (131, 2025), (134, 2016), (159, 1968), (161, 1950), (162, 1947), (193, 1803), (196, 1794), (203, 1752), (210, 1722), (218, 1683), (223, 1665), (228, 1635), (240, 1572), (281, 1440), (292, 1380), (299, 1332), (316, 1275), (324, 1239),

Gene: IchabodCrane_255 Start: 120757, Stop: 119762, Start Num: 81

Candidate Starts for IchabodCrane_255:

(Start: 71 @120802 has 21 MA's), (Start: 81 @120757 has 135 MA's), (107, 120646), (113, 120613), (123, 120580), (131, 120568), (134, 120559), (159, 120511), (161, 120493), (162, 120490), (193, 120346), (196, 120337), (203, 120295), (210, 120265), (218, 120226), (223, 120208), (228, 120178), (240, 120115), (281, 119983), (292, 119923), (299, 119875), (316, 119818), (324, 119782),

Gene: Indlovu_89 Start: 68368, Stop: 67307, Start Num: 79

Candidate Starts for Indlovu_89:

(Start: 79 @68368 has 157 MA's), (104, 68242), (105, 68236), (112, 68209), (118, 68176), (126, 68167), (141, 68137), (180, 67936), (182, 67930), (183, 67918), (185, 67912), (199, 67864), (209, 67807), (213, 67783), (221, 67756), (223, 67750), (228, 67720), (230, 67711), (233, 67699), (252, 67615), (279, 67531), (281, 67528), (317, 67366), (321, 67345), (330, 67321), (332, 67318),

Gene: ItsyBitsy1_82 Start: 64989, Stop: 63919, Start Num: 79

Candidate Starts for ItsyBitsy1_82:

(23, 65184), (Start: 79 @64989 has 157 MA's), (Start: 91 @64959 has 4 MA's), (104, 64893), (106, 64884), (112, 64860), (124, 64812), (180, 64557), (182, 64551), (183, 64539), (193, 64506), (199, 64485), (209, 64428), (210, 64425), (219, 64386), (221, 64377), (226, 64347), (230, 64332), (234, 64314), (237, 64290), (242, 64269), (251, 64239), (260, 64218), (279, 64152), (281, 64149), (289, 64122), (290, 64116), (305, 64041), (311, 64005),

Gene: JAMaL_92 Start: 68380, Stop: 67322, Start Num: 79

Candidate Starts for JAMaL_92:

(Start: 79 @68380 has 157 MA's), (95, 68326), (96, 68308), (104, 68266), (112, 68233), (113, 68218), (116, 68209), (126, 68191), (142, 68158), (144, 68152), (149, 68134), (151, 68131), (158, 68089), (170, 68026), (180, 67957), (183, 67939), (188, 67921), (193, 67903), (208, 67831), (210, 67822), (213, 67801), (238, 67684), (240, 67675), (245, 67651), (249, 67642), (254, 67627), (266, 67606), (279, 67549), (289, 67519), (293, 67489), (295, 67477), (297, 67456), (317, 67381), (321, 67360), (335, 67327),

Gene: JKerns_75 Start: 50196, Stop: 49201, Start Num: 89

Candidate Starts for JKerns_75:

(Start: 89 @50196 has 21 MA's), (108, 50103), (128, 50040), (136, 50022), (168, 49887), (175, 49842), (178, 49818), (180, 49812), (183, 49794), (184, 49791), (204, 49716), (215, 49665), (242, 49536), (246, 49521), (260, 49485), (271, 49452), (315, 49269),

Gene: Jace_91 Start: 51481, Stop: 50453, Start Num: 79

Candidate Starts for Jace_91:

(1, 51994), (2, 51988), (3, 51958), (4, 51949), (5, 51934), (6, 51907), (7, 51901), (8, 51898), (9, 51868), (10, 51841), (12, 51814), (14, 51781), (16, 51754), (17, 51748), (18, 51742), (19, 51733), (28, 51649), (32, 51640), (Start: 52 @51574 has 2 MA's), (60, 51556), (63, 51550), (Start: 79 @51481 has 157 MA's), (103, 51388), (104, 51385), (126, 51310), (140, 51268), (144, 51259), (158, 51196), (178, 51070), (180, 51064), (227, 50854), (235, 50809), (242, 50779), (245, 50764), (251, 50749), (281, 50659), (284, 50644), (298, 50566), (302, 50560),

Gene: Jackstina_90 Start: 66779, Stop: 65721, Start Num: 79

Candidate Starts for Jackstina_90:

(24, 66953), (Start: 34 @66923 has 6 MA's), (Start: 67 @66833 has 17 MA's), (Start: 79 @66779 has 157 MA's), (Start: 91 @66749 has 4 MA's), (104, 66665), (112, 66632), (140, 66560), (158, 66488), (174, 66407), (178, 66362), (180, 66356), (182, 66350), (183, 66338), (193, 66302), (213, 66200), (219, 66182), (228, 66137), (242, 66065), (245, 66050), (256, 66023), (260, 66014), (275, 65957), (295, 65873), (298, 65849), (309, 65819),

Gene: Jada_220 Start: 107002, Stop: 108024, Start Num: 81

Candidate Starts for Jada_220:

(Start: 81 @107002 has 135 MA's), (Start: 91 @107032 has 4 MA's), (107, 107113), (112, 107131), (121, 107173), (128, 107191), (134, 107209), (181, 107389), (198, 107452), (203, 107485), (206, 107497), (207, 107500), (209, 107512), (224, 107587), (240, 107662), (245, 107686), (247, 107692), (257, 107716), (276, 107779), (324, 108001), (333, 108016),

Gene: JaguarMi_86 Start: 68822, Stop: 67764, Start Num: 79

Candidate Starts for JaguarMi_86:

(Start: 79 @68822 has 157 MA's), (95, 68768), (100, 68732), (104, 68708), (105, 68702), (112, 68675), (113, 68660), (116, 68651), (126, 68633), (144, 68594), (149, 68576), (151, 68573), (158, 68531), (170, 68468), (180, 68399), (183, 68381), (188, 68363), (193, 68345), (208, 68273), (210, 68264), (213, 68243), (238, 68126), (240, 68117), (245, 68093), (249, 68084), (254, 68069), (266, 68048), (279, 67991), (289, 67961), (293, 67931), (295, 67919), (297, 67898), (317, 67823), (321, 67802), (332, 67775), (335, 67769),

Gene: Jakelyne_53 Start: 31022, Stop: 32074, Start Num: 70

Candidate Starts for Jakelyne_53:

(Start: 70 @31022 has 10 MA's), (Start: 79 @31064 has 157 MA's), (104, 31160), (113, 31208), (152, 31298), (180, 31457), (182, 31463), (184, 31478), (200, 31520), (206, 31559), (242, 31733), (276, 31841), (305, 31961), (316, 32003), (337, 32063),

Gene: Jawnski_72 Start: 49083, Stop: 48034, Start Num: 75

Candidate Starts for Jawnski_72:

(Start: 75 @49083 has 2 MA's), (Start: 89 @49038 has 21 MA's), (137, 48858), (144, 48840), (153, 48795), (156, 48786), (160, 48759), (175, 48675), (178, 48651), (180, 48645), (183, 48627), (215, 48498), (242, 48369), (246, 48354), (271, 48285), (301, 48147), (315, 48102), (331, 48048),

Gene: Jay2Jay_5 Start: 2708, Stop: 1602, Start Num: 53

Candidate Starts for Jay2Jay_5:

(Start: 53 @2708 has 4 MA's), (61, 2690), (77, 2627), (Start: 81 @2615 has 135 MA's), (101, 2534), (107, 2504), (113, 2471), (122, 2438), (128, 2414), (133, 2399), (159, 2348), (193, 2183), (210, 2102),

(218, 2063), (223, 2045), (228, 2015), (240, 1952), (244, 1934), (272, 1856), (281, 1823), (299, 1715), (308, 1697), (316, 1658),

Gene: Jay2Jay_260 Start: 124801, Stop: 123695, Start Num: 53

Candidate Starts for Jay2Jay_260:

(Start: 53 @124801 has 4 MA's), (61, 124783), (77, 124720), (Start: 81 @124708 has 135 MA's), (101, 124627), (107, 124597), (113, 124564), (122, 124531), (128, 124507), (133, 124492), (159, 124441), (193, 124276), (210, 124195), (218, 124156), (223, 124138), (228, 124108), (240, 124045), (244, 124027), (272, 123949), (281, 123916), (299, 123808), (308, 123790), (316, 123751),

Gene: JellyBelly_75 Start: 57937, Stop: 56930, Start Num: 79

Candidate Starts for JellyBelly_75:

(20, 58150), (25, 58105), (51, 58021), (54, 58015), (69, 57979), (Start: 79 @57937 has 157 MA's), (104, 57841), (112, 57808), (113, 57793), (134, 57742), (147, 57727), (175, 57577), (178, 57553), (180, 57547), (183, 57529), (199, 57475), (206, 57433), (208, 57424), (213, 57394), (224, 57343), (242, 57259), (274, 57160), (279, 57142), (281, 57139), (290, 57106), (295, 57070),

Gene: JimJam_271 Start: 124187, Stop: 123147, Start Num: 71

Candidate Starts for JimJam_271:

(Start: 71 @124187 has 21 MA's), (Start: 81 @124142 has 135 MA's), (107, 124031), (113, 123998), (123, 123965), (131, 123953), (134, 123944), (159, 123896), (161, 123878), (162, 123875), (193, 123731), (196, 123722), (203, 123680), (210, 123650), (218, 123611), (223, 123593), (228, 123563), (240, 123500), (281, 123368), (292, 123308), (299, 123260), (316, 123203), (324, 123167),

Gene: JimJam_3 Start: 2651, Stop: 1611, Start Num: 71

Candidate Starts for JimJam_3:

(Start: 71 @2651 has 21 MA's), (Start: 81 @2606 has 135 MA's), (107, 2495), (113, 2462), (123, 2429), (131, 2417), (134, 2408), (159, 2360), (161, 2342), (162, 2339), (193, 2195), (196, 2186), (203, 2144), (210, 2114), (218, 2075), (223, 2057), (228, 2027), (240, 1964), (281, 1832), (292, 1772), (299, 1724), (316, 1667), (324, 1631),

Gene: JimmyPG_17 Start: 12538, Stop: 11522, Start Num: 85

Candidate Starts for JimmyPG_17:

(26, 12724), (76, 12571), (Start: 85 @12538 has 37 MA's), (110, 12424), (113, 12409), (158, 12268), (163, 12229), (165, 12220), (179, 12136), (210, 12007), (228, 11914), (251, 11812), (265, 11782), (271, 11752), (273, 11740), (306, 11608), (316, 11569), (325, 11527),

Gene: Jolie1_092 Start: 68844, Stop: 67807, Start Num: 79

Candidate Starts for Jolie1_092:

(56, 68925), (Start: 79 @68844 has 157 MA's), (Start: 91 @68814 has 4 MA's), (96, 68772), (104, 68730), (112, 68697), (118, 68664), (131, 68643), (158, 68571), (180, 68439), (182, 68433), (183, 68421), (208, 68313), (210, 68304), (213, 68283), (220, 68259), (221, 68256), (230, 68211), (245, 68133), (289, 68001), (297, 67938), (317, 67866),

Gene: Jollison_260 Start: 121281, Stop: 120286, Start Num: 81

Candidate Starts for Jollison_260:

(Start: 71 @121326 has 21 MA's), (Start: 81 @121281 has 135 MA's), (107, 121170), (113, 121137), (123, 121104), (131, 121092), (134, 121083), (159, 121035), (161, 121017), (162, 121014), (193, 120870), (196, 120861), (203, 120819), (210, 120789), (218, 120750), (223, 120732), (228, 120702), (240, 120639), (281, 120507), (292, 120447), (299, 120399), (316, 120342), (324, 120306),

Gene: Jollison_3 Start: 2606, Stop: 1611, Start Num: 81

Candidate Starts for Jollison_3:

(Start: 71 @2651 has 21 MA's), (Start: 81 @2606 has 135 MA's), (107, 2495), (113, 2462), (123, 2429), (131, 2417), (134, 2408), (159, 2360), (161, 2342), (162, 2339), (193, 2195), (196, 2186), (203, 2144), (210, 2114), (218, 2075), (223, 2057), (228, 2027), (240, 1964), (281, 1832), (292, 1772), (299, 1724), (316, 1667), (324, 1631),

Gene: Jollymon_1 Start: 1, Stop: 1032, Start Num: 79

Candidate Starts for Jollymon_1:

(Start: 79 @1 has 157 MA's), (104, 97), (135, 199), (177, 406), (180, 418), (182, 424), (197, 481), (205, 526), (210, 547), (219, 586), (242, 703), (245, 718), (259, 754), (261, 757),

Gene: Jordan_77 Start: 50754, Stop: 49759, Start Num: 89

Candidate Starts for Jordan_77:

(Start: 89 @50754 has 21 MA's), (108, 50661), (128, 50598), (136, 50580), (168, 50445), (175, 50400), (178, 50376), (180, 50370), (183, 50352), (184, 50349), (204, 50274), (215, 50223), (242, 50094), (246, 50079), (260, 50043), (271, 50010), (315, 49827),

Gene: JordanFarm_17 Start: 12296, Stop: 11307, Start Num: 85

Candidate Starts for JordanFarm_17:

(Start: 85 @12296 has 37 MA's), (110, 12182), (113, 12167), (158, 12053), (163, 12014), (165, 12005), (179, 11921), (210, 11792), (228, 11699), (245, 11612), (283, 11492), (297, 11414), (312, 11372), (316, 11354), (321, 11327),

Gene: JoyceMaria_91 Start: 68893, Stop: 67835, Start Num: 79

Candidate Starts for JoyceMaria_91:

(Start: 79 @68893 has 157 MA's), (95, 68839), (104, 68779), (105, 68773), (112, 68746), (113, 68731), (116, 68722), (126, 68704), (144, 68665), (149, 68647), (151, 68644), (158, 68602), (170, 68539), (180, 68470), (183, 68452), (188, 68434), (193, 68416), (208, 68344), (210, 68335), (213, 68314), (238, 68197), (240, 68188), (245, 68164), (249, 68155), (254, 68140), (266, 68119), (279, 68062), (289, 68032), (295, 67990), (297, 67969), (317, 67894), (321, 67873), (332, 67846), (335, 67840),

Gene: KSunshine22_169 Start: 113333, Stop: 114310, Start Num: 79

Candidate Starts for KSunshine22_169:

(Start: 79 @113333 has 157 MA's), (93, 113375), (127, 113501), (166, 113636), (178, 113717), (198, 113780), (213, 113864), (234, 113954), (242, 113999), (281, 114098), (295, 114173),

Gene: Kaleb_85 Start: 64918, Stop: 63848, Start Num: 79

Candidate Starts for Kaleb_85:

(Start: 79 @64918 has 157 MA's), (Start: 91 @64888 has 4 MA's), (104, 64822), (106, 64813), (112, 64789), (116, 64765), (124, 64741), (180, 64486), (182, 64480), (183, 64468), (193, 64435), (199, 64414), (209, 64357), (210, 64354), (219, 64315), (221, 64306), (226, 64276), (230, 64261), (234, 64243), (237, 64219), (242, 64198), (251, 64168), (260, 64147), (279, 64081), (281, 64078), (289, 64051), (290, 64045), (305, 63970), (311, 63934),

Gene: Kamiyu_97 Start: 66920, Stop: 65808, Start Num: 67

Candidate Starts for Kamiyu_97:

(24, 67040), (Start: 34 @67010 has 6 MA's), (Start: 67 @66920 has 17 MA's), (Start: 79 @66866 has 157 MA's), (Start: 91 @66836 has 4 MA's), (104, 66752), (112, 66719), (140, 66647), (158, 66575), (174, 66494), (178, 66449), (180, 66443), (182, 66437), (183, 66425), (193, 66389), (213, 66287), (219, 66269), (228, 66224), (242, 66152), (245, 66137), (256, 66110), (260, 66101), (275, 66044), (295, 65960), (298, 65936), (309, 65906),

Gene: KarasumaRum_89 Start: 67233, Stop: 66154, Start Num: 79

Candidate Starts for KarasumaRum_89:

(Start: 79 @67233 has 157 MA's), (104, 67137), (112, 67104), (127, 67062), (153, 66981), (180, 66831), (182, 66825), (199, 66759), (210, 66699), (217, 66666), (230, 66606), (232, 66597), (236, 66567), (240, 66552), (248, 66519), (251, 66513), (254, 66504), (260, 66492), (281, 66423), (282, 66417), (283, 66414), (298, 66330), (300, 66324), (314, 66285), (340, 66195), (341, 66192), (342, 66177),

Gene: Karimac_261 Start: 121927, Stop: 120932, Start Num: 81

Candidate Starts for Karimac_261:

(Start: 71 @121972 has 21 MA's), (Start: 81 @121927 has 135 MA's), (107, 121816), (113, 121783), (123, 121750), (131, 121738), (134, 121729), (159, 121681), (161, 121663), (162, 121660), (193, 121516), (196, 121507), (203, 121465), (210, 121435), (218, 121396), (223, 121378), (228, 121348), (240, 121285), (281, 121153), (292, 121093), (299, 121045), (316, 120988), (324, 120952),

Gene: Karimac_3 Start: 2608, Stop: 1613, Start Num: 81

Candidate Starts for Karimac_3:

(Start: 71 @2653 has 21 MA's), (Start: 81 @2608 has 135 MA's), (107, 2497), (113, 2464), (123, 2431), (131, 2419), (134, 2410), (159, 2362), (161, 2344), (162, 2341), (193, 2197), (196, 2188), (203, 2146), (210, 2116), (218, 2077), (223, 2059), (228, 2029), (240, 1966), (281, 1834), (292, 1774), (299, 1726), (316, 1669), (324, 1633),

Gene: Karp_214 Start: 108408, Stop: 109430, Start Num: 80

Candidate Starts for Karp_214:

(Start: 80 @108408 has 9 MA's), (Start: 91 @108438 has 4 MA's), (107, 108519), (112, 108537), (121, 108579), (128, 108597), (134, 108615), (181, 108795), (198, 108858), (203, 108891), (206, 108903), (207, 108906), (209, 108918), (224, 108993), (240, 109068), (245, 109092), (257, 109122), (276, 109185), (324, 109404),

Gene: KayaCho_90 Start: 68660, Stop: 67599, Start Num: 79

Candidate Starts for KayaCho_90:

(56, 68741), (Start: 79 @68660 has 157 MA's), (Start: 91 @68630 has 4 MA's), (104, 68546), (112, 68513), (116, 68489), (126, 68471), (133, 68453), (149, 68408), (151, 68405), (158, 68363), (170, 68300), (180, 68231), (182, 68225), (183, 68213), (208, 68105), (210, 68096), (213, 68075), (221, 68048), (230, 68003), (238, 67958), (245, 67925), (289, 67793), (297, 67730), (317, 67658),

Gene: Kenrey_224 Start: 107547, Stop: 108569, Start Num: 81

Candidate Starts for Kenrey_224:

(Start: 81 @107547 has 135 MA's), (Start: 91 @107577 has 4 MA's), (107, 107658), (112, 107676), (121, 107718), (134, 107754), (169, 107862), (181, 107934), (198, 107997), (203, 108030), (206, 108042), (207, 108045), (209, 108057), (212, 108075), (224, 108132), (240, 108207), (245, 108231), (257, 108261), (276, 108324), (324, 108546), (333, 108561),

Gene: KentuckyRacer_270 Start: 123669, Stop: 122674, Start Num: 81

Candidate Starts for KentuckyRacer_270:

(Start: 71 @123714 has 21 MA's), (Start: 81 @123669 has 135 MA's), (107, 123558), (113, 123525), (123, 123492), (131, 123480), (134, 123471), (159, 123423), (161, 123405), (162, 123402), (193, 123258), (196, 123249), (203, 123207), (210, 123177), (218, 123138), (223, 123120), (228, 123090), (240, 123027), (281, 122895), (292, 122835), (299, 122787), (316, 122730), (324, 122694),

Gene: KentuckyRacer_2 Start: 2218, Stop: 1223, Start Num: 81

Candidate Starts for KentuckyRacer_2:

(Start: 71 @2263 has 21 MA's), (Start: 81 @2218 has 135 MA's), (107, 2107), (113, 2074), (123, 2041), (131, 2029), (134, 2020), (159, 1972), (161, 1954), (162, 1951), (193, 1807), (196, 1798), (203, 1756), (210, 1726), (218, 1687), (223, 1669), (228, 1639), (240, 1576), (281, 1444), (292, 1384), (299, 1336),

(316, 1279), (324, 1243),

Gene: Keough_17 Start: 12298, Stop: 11294, Start Num: 85

Candidate Starts for Keough_17:

(Start: 85 @12298 has 37 MA's), (113, 12169), (151, 12073), (163, 12004), (165, 11995), (177, 11920), (210, 11782), (228, 11689), (242, 11617), (245, 11602), (251, 11587), (256, 11575), (265, 11557), (273, 11512), (306, 11380), (316, 11341), (325, 11299),

Gene: Kheth_85 Start: 64824, Stop: 63754, Start Num: 79

Candidate Starts for Kheth_85:

(Start: 79 @64824 has 157 MA's), (Start: 91 @64794 has 4 MA's), (104, 64728), (106, 64719), (112, 64695), (116, 64671), (180, 64392), (182, 64386), (183, 64374), (193, 64341), (199, 64320), (209, 64263), (210, 64260), (219, 64221), (221, 64212), (226, 64182), (230, 64167), (234, 64149), (237, 64125), (242, 64104), (251, 64074), (260, 64053), (279, 63987), (281, 63984), (289, 63957), (290, 63951), (305, 63876), (311, 63840),

Gene: King2_72 Start: 49965, Stop: 48961, Start Num: 89

Candidate Starts for King2_72:

(Start: 75 @50010 has 2 MA's), (Start: 89 @49965 has 21 MA's), (137, 49785), (144, 49767), (153, 49722), (156, 49713), (160, 49686), (175, 49602), (178, 49578), (180, 49572), (183, 49554), (215, 49425), (242, 49296), (246, 49281), (301, 49074), (315, 49029), (331, 48975),

Gene: KingKamren_18 Start: 13027, Stop: 12038, Start Num: 85

Candidate Starts for KingKamren_18:

(Start: 85 @13027 has 37 MA's), (93, 12997), (98, 12976), (121, 12871), (156, 12793), (162, 12760), (165, 12736), (170, 12721), (201, 12565), (224, 12442), (281, 12232), (312, 12103), (316, 12085),

Gene: KingstonB_1 Start: 1, Stop: 1032, Start Num: 79

Candidate Starts for KingstonB_1:

(Start: 79 @1 has 157 MA's), (104, 97), (135, 199), (177, 406), (180, 418), (182, 424), (197, 481), (205, 526), (210, 547), (219, 586), (242, 703), (245, 718), (259, 754), (261, 757),

Gene: Klevey_76 Start: 46572, Stop: 45574, Start Num: 90

Candidate Starts for Klevey_76:

(15, 46890), (43, 46722), (74, 46623), (Start: 90 @46572 has 7 MA's), (104, 46503), (108, 46485), (175, 46227), (177, 46209), (178, 46203), (242, 45921), (254, 45882), (256, 45879),

Gene: Knocker_89 Start: 68373, Stop: 67315, Start Num: 79

Candidate Starts for Knocker_89:

(Start: 67 @68424 has 17 MA's), (Start: 79 @68373 has 157 MA's), (104, 68277), (108, 68259), (112, 68244), (124, 68202), (127, 68190), (133, 68172), (135, 68166), (147, 68151), (159, 68100), (165, 68055), (167, 68049), (178, 67977), (180, 67971), (182, 67965), (185, 67947), (199, 67902), (208, 67851), (210, 67842), (213, 67821), (219, 67803), (221, 67794), (223, 67788), (224, 67770), (230, 67749), (232, 67740), (240, 67695), (248, 67662), (251, 67656), (260, 67635), (276, 67578), (279, 67569), (281, 67566), (282, 67560), (283, 67557), (296, 67485), (298, 67473), (316, 67419), (340, 67338),

Gene: Kolhan_86 Start: 64811, Stop: 63741, Start Num: 79

Candidate Starts for Kolhan_86:

(Start: 79 @64811 has 157 MA's), (Start: 91 @64781 has 4 MA's), (104, 64715), (106, 64706), (112, 64682), (116, 64658), (124, 64634), (180, 64379), (182, 64373), (183, 64361), (193, 64328), (199, 64307), (209, 64250), (210, 64247), (219, 64208), (221, 64199), (226, 64169), (230, 64154), (234, 64136), (237, 64112), (242, 64091), (251, 64061), (260, 64040), (279, 63974), (281, 63971), (289,

63944), (290, 63938), (305, 63863), (311, 63827),

Gene: Kozie_54 Start: 37761, Stop: 38762, Start Num: 85

Candidate Starts for Kozie_54:

(66, 37689), (Start: 85 @37761 has 37 MA's), (93, 37791), (97, 37809), (101, 37833), (121, 37917), (163, 38055), (173, 38097), (179, 38148), (198, 38214), (208, 38268), (216, 38307), (239, 38430), (242, 38442), (268, 38517), (271, 38532), (273, 38544), (285, 38586), (317, 38718),

Gene: Kronus_97 Start: 67951, Stop: 66893, Start Num: 79

Candidate Starts for Kronus_97:

(24, 68125), (Start: 34 @68095 has 6 MA's), (Start: 67 @68005 has 17 MA's), (Start: 79 @67951 has 157 MA's), (Start: 91 @67921 has 4 MA's), (104, 67837), (112, 67804), (140, 67732), (158, 67660), (174, 67579), (178, 67534), (180, 67528), (182, 67522), (183, 67510), (193, 67474), (213, 67372), (219, 67354), (228, 67309), (242, 67237), (245, 67222), (256, 67195), (260, 67186), (275, 67129), (295, 67045), (298, 67021), (309, 66991),

Gene: Lambano_89 Start: 67674, Stop: 66628, Start Num: 79

Candidate Starts for Lambano_89:

(Start: 79 @67674 has 157 MA's), (95, 67620), (96, 67602), (104, 67560), (112, 67527), (113, 67512), (116, 67503), (126, 67485), (144, 67446), (147, 67431), (158, 67383), (170, 67320), (180, 67251), (182, 67245), (183, 67233), (208, 67125), (210, 67116), (213, 67095), (230, 67023), (245, 66945), (249, 66936), (251, 66930), (254, 66921), (266, 66900), (279, 66843), (289, 66813), (295, 66771), (304, 66741), (317, 66687), (321, 66666), (335, 66633),

Gene: Larnav_252 Start: 124229, Stop: 123216, Start Num: 81

Candidate Starts for Larnav_252:

(Start: 81 @124229 has 135 MA's), (107, 124118), (121, 124058), (123, 124049), (128, 124028), (133, 124013), (159, 123962), (176, 123851), (193, 123797), (210, 123716), (218, 123677), (223, 123659), (228, 123629), (240, 123566), (269, 123482), (272, 123470), (281, 123437), (292, 123377), (299, 123329), (308, 123311), (316, 123272),

Gene: Larnav_2 Start: 2224, Stop: 1211, Start Num: 81

Candidate Starts for Larnav_2:

(Start: 81 @2224 has 135 MA's), (107, 2113), (121, 2053), (123, 2044), (128, 2023), (133, 2008), (159, 1957), (176, 1846), (193, 1792), (210, 1711), (218, 1672), (223, 1654), (228, 1624), (240, 1561), (269, 1477), (272, 1465), (281, 1432), (292, 1372), (299, 1324), (308, 1306), (316, 1267),

Gene: Lars_86 Start: 64888, Stop: 63818, Start Num: 79

Candidate Starts for Lars_86:

(Start: 79 @64888 has 157 MA's), (Start: 91 @64858 has 4 MA's), (104, 64792), (106, 64783), (112, 64759), (116, 64735), (124, 64711), (180, 64456), (182, 64450), (183, 64438), (193, 64405), (199, 64384), (209, 64327), (210, 64324), (219, 64285), (221, 64276), (226, 64246), (230, 64231), (237, 64189), (242, 64168), (251, 64138), (260, 64117), (279, 64051), (281, 64048), (289, 64021), (290, 64015), (305, 63940), (311, 63904),

Gene: Laure_176 Start: 107363, Stop: 108334, Start Num: 79

Candidate Starts for Laure_176:

(Start: 79 @107363 has 157 MA's), (93, 107402), (127, 107528), (129, 107534), (144, 107558), (159, 107612), (175, 107717), (178, 107741), (198, 107804), (234, 107978), (243, 108026), (245, 108038), (256, 108065), (276, 108110), (281, 108122), (288, 108155),

Gene: Laurie_84 Start: 64232, Stop: 63162, Start Num: 79

Candidate Starts for Laurie_84:

(Start: 79 @64232 has 157 MA's), (Start: 91 @64202 has 4 MA's), (104, 64136), (106, 64127), (112, 64103), (116, 64079), (124, 64055), (132, 64028), (152, 63959), (180, 63800), (182, 63794), (183, 63782), (193, 63749), (199, 63728), (209, 63671), (210, 63668), (219, 63629), (221, 63620), (226, 63590), (230, 63575), (234, 63557), (237, 63533), (242, 63512), (251, 63482), (260, 63461), (279, 63395), (281, 63392), (289, 63365), (290, 63359), (305, 63284), (311, 63248),

Gene: Leaf_143 Start: 85376, Stop: 86380, Start Num: 85

Candidate Starts for Leaf_143:

(Start: 85 @85376 has 37 MA's), (93, 85406), (111, 85493), (138, 85571), (159, 85634), (173, 85712), (174, 85715), (177, 85754), (185, 85790), (210, 85892), (211, 85898), (213, 85913), (231, 86000), (243, 86060), (263, 86114), (265, 86117), (271, 86147), (281, 86183), (317, 86333),

Gene: LeeroyJ_78 Start: 50672, Stop: 49668, Start Num: 86

Candidate Starts for LeeroyJ_78:

(Start: 86 @50672 has 2 MA's), (Start: 89 @50666 has 21 MA's), (108, 50570), (128, 50507), (136, 50489), (175, 50309), (178, 50285), (180, 50279), (183, 50261), (184, 50258), (204, 50183), (215, 50132), (246, 49988), (260, 49952), (271, 49919), (315, 49736), (329, 49685),

Gene: Leo04_253 Start: 124342, Stop: 123329, Start Num: 81

Candidate Starts for Leo04_253:

(Start: 36 @124489 has 4 MA's), (Start: 53 @124435 has 4 MA's), (61, 124417), (Start: 81 @124342 has 135 MA's), (107, 124231), (113, 124198), (121, 124171), (123, 124162), (128, 124141), (133, 124126), (159, 124075), (176, 123964), (193, 123910), (210, 123829), (218, 123790), (223, 123772), (228, 123742), (240, 123679), (269, 123595), (272, 123583), (281, 123550), (292, 123490), (299, 123442), (308, 123424), (316, 123385),

Gene: Leo04_2 Start: 2224, Stop: 1211, Start Num: 81

Candidate Starts for Leo04_2:

(Start: 36 @2371 has 4 MA's), (Start: 53 @2317 has 4 MA's), (61, 2299), (Start: 81 @2224 has 135 MA's), (107, 2113), (113, 2080), (121, 2053), (123, 2044), (128, 2023), (133, 2008), (159, 1957), (176, 1846), (193, 1792), (210, 1711), (218, 1672), (223, 1654), (228, 1624), (240, 1561), (269, 1477), (272, 1465), (281, 1432), (292, 1372), (299, 1324), (308, 1306), (316, 1267),

Gene: LeoJr_176 Start: 116106, Stop: 117113, Start Num: 79

Candidate Starts for LeoJr_176:

(Start: 79 @116106 has 157 MA's), (93, 116148), (125, 116280), (166, 116436), (178, 116517), (198, 116580), (213, 116664), (234, 116754), (242, 116799), (243, 116802), (276, 116886), (277, 116892), (281, 116898),

Gene: Lephleur_85 Start: 64743, Stop: 63673, Start Num: 79

Candidate Starts for Lephleur_85:

(Start: 79 @64743 has 157 MA's), (Start: 91 @64713 has 4 MA's), (104, 64647), (106, 64638), (112, 64614), (116, 64590), (124, 64566), (180, 64311), (182, 64305), (183, 64293), (193, 64260), (199, 64239), (209, 64182), (210, 64179), (219, 64140), (221, 64131), (226, 64101), (230, 64086), (234, 64068), (237, 64044), (242, 64023), (251, 63993), (260, 63972), (279, 63906), (281, 63903), (289, 63876), (290, 63870), (305, 63795), (311, 63759),

Gene: LestyG_95 Start: 66491, Stop: 65379, Start Num: 67

Candidate Starts for LestyG_95:

(24, 66611), (Start: 34 @66581 has 6 MA's), (Start: 67 @66491 has 17 MA's), (Start: 79 @66437 has 157 MA's), (Start: 91 @66407 has 4 MA's), (104, 66323), (112, 66290), (140, 66218), (158, 66146), (174, 66065), (178, 66020), (180, 66014), (182, 66008), (183, 65996), (193, 65960), (213, 65858), (219, 65840), (228, 65795), (242, 65723), (245, 65708), (256, 65681), (260, 65672), (275, 65615),

(295, 65531), (298, 65507), (309, 65477),

Gene: Liandry_3 Start: 2417, Stop: 1404, Start Num: 81

Candidate Starts for Liandry_3:

(35, 2567), (46, 2531), (Start: 53 @2510 has 4 MA's), (61, 2492), (Start: 81 @2417 has 135 MA's), (101, 2336), (107, 2306), (121, 2246), (128, 2216), (133, 2201), (134, 2198), (159, 2150), (176, 2039), (193, 1985), (202, 1940), (210, 1904), (218, 1865), (223, 1847), (228, 1817), (272, 1658), (281, 1625), (292, 1565), (299, 1517), (308, 1499), (316, 1460),

Gene: Liandry_252 Start: 123938, Stop: 122925, Start Num: 81

Candidate Starts for Liandry_252:

(35, 124088), (46, 124052), (Start: 53 @124031 has 4 MA's), (61, 124013), (Start: 81 @123938 has 135 MA's), (101, 123857), (107, 123827), (121, 123767), (128, 123737), (133, 123722), (134, 123719), (159, 123671), (176, 123560), (193, 123506), (202, 123461), (210, 123425), (218, 123386), (223, 123368), (228, 123338), (272, 123179), (281, 123146), (292, 123086), (299, 123038), (308, 123020), (316, 122981),

Gene: Ligma_80 Start: 59316, Stop: 58309, Start Num: 79

Candidate Starts for Ligma_80:

(Start: 79 @59316 has 157 MA's), (104, 59220), (112, 59187), (113, 59172), (134, 59121), (147, 59106), (178, 58932), (180, 58926), (183, 58908), (199, 58854), (206, 58812), (208, 58803), (213, 58773), (224, 58722), (274, 58539), (279, 58521), (281, 58518), (290, 58485), (295, 58449), (328, 58326),

Gene: LilMartin_254 Start: 123618, Stop: 122602, Start Num: 81

Candidate Starts for LilMartin_254:

(Start: 81 @123618 has 135 MA's), (107, 123507), (117, 123459), (121, 123447), (122, 123441), (133, 123402), (159, 123348), (176, 123237), (193, 123183), (210, 123102), (218, 123063), (223, 123045), (228, 123015), (240, 122952), (272, 122856), (281, 122823), (292, 122763), (299, 122715), (308, 122697), (316, 122658),

Gene: LilMartin_2 Start: 2274, Stop: 1258, Start Num: 81

Candidate Starts for LilMartin_2:

(Start: 81 @2274 has 135 MA's), (107, 2163), (117, 2115), (121, 2103), (122, 2097), (133, 2058), (159, 2004), (176, 1893), (193, 1839), (210, 1758), (218, 1719), (223, 1701), (228, 1671), (240, 1608), (272, 1512), (281, 1479), (292, 1419), (299, 1371), (308, 1353), (316, 1314),

Gene: LilMcDreamy_90 Start: 68177, Stop: 67116, Start Num: 79

Candidate Starts for LilMcDreamy_90:

(Start: 79 @68177 has 157 MA's), (104, 68081), (112, 68048), (149, 67952), (153, 67925), (158, 67907), (180, 67775), (182, 67769), (206, 67658), (210, 67640), (221, 67592), (230, 67547), (240, 67493), (251, 67454), (254, 67445), (270, 67400), (279, 67367), (281, 67364), (295, 67295), (298, 67271), (300, 67265), (314, 67229), (337, 67160), (338, 67154),

Gene: LilSaint_256 Start: 124138, Stop: 123116, Start Num: 81

Candidate Starts for LilSaint_256:

(Start: 73 @124177 has 1 MA's), (Start: 81 @124138 has 135 MA's), (101, 124057), (107, 124027), (117, 123979), (121, 123967), (122, 123961), (133, 123922), (159, 123868), (176, 123757), (177, 123754), (193, 123703), (202, 123658), (210, 123622), (218, 123583), (223, 123565), (228, 123535), (240, 123472), (244, 123454), (272, 123376), (281, 123343), (299, 123235), (308, 123217), (316, 123178),

Gene: LilSaint_3 Start: 2327, Stop: 1266, Start Num: 73

Candidate Starts for LilSaint_3:

(Start: 73 @2327 has 1 MA's), (Start: 81 @2288 has 135 MA's), (101, 2207), (107, 2177), (117, 2129), (121, 2117), (122, 2111), (133, 2072), (159, 2018), (176, 1907), (177, 1904), (193, 1853), (202, 1808), (210, 1772), (218, 1733), (223, 1715), (228, 1685), (240, 1622), (244, 1604), (272, 1526), (281, 1493), (299, 1385), (308, 1367), (316, 1328),

Gene: LilSmirk_85 Start: 64782, Stop: 63712, Start Num: 79

Candidate Starts for LilSmirk_85:

(23, 64977), (Start: 79 @64782 has 157 MA's), (Start: 91 @64752 has 4 MA's), (104, 64686), (106, 64677), (112, 64653), (116, 64629), (124, 64605), (180, 64350), (182, 64344), (183, 64332), (193, 64299), (199, 64278), (209, 64221), (210, 64218), (219, 64179), (221, 64170), (226, 64140), (230, 64125), (234, 64107), (237, 64083), (242, 64062), (251, 64032), (260, 64011), (279, 63945), (281, 63942), (289, 63915), (290, 63909), (305, 63834), (311, 63798),

Gene: Lilbeanie_90 Start: 55740, Stop: 56759, Start Num: 90

Candidate Starts for Lilbeanie_90:

(Start: 90 @55740 has 7 MA's), (125, 55887), (129, 55899), (139, 55929), (142, 55935), (155, 55989), (175, 56106), (177, 56124), (180, 56136), (182, 56142), (186, 56163), (190, 56178), (198, 56205), (211, 56274), (217, 56301), (245, 56439), (333, 56754),

Gene: Lilmac1015_76 Start: 46704, Stop: 45700, Start Num: 88

Candidate Starts for Lilmac1015_76:

(Start: 88 @46704 has 1 MA's), (104, 46629), (108, 46611), (175, 46353), (178, 46329), (242, 46047), (254, 46008), (256, 46005),

Gene: Limpid_212 Start: 108722, Stop: 109738, Start Num: 83

Candidate Starts for Limpid_212:

(Start: 83 @108722 has 4 MA's), (Start: 91 @108749 has 4 MA's), (104, 108821), (107, 108836), (115, 108875), (142, 108944), (161, 108989), (198, 109163), (207, 109211), (213, 109247), (215, 109253), (224, 109298), (240, 109373), (245, 109397), (287, 109532), (313, 109661), (314, 109667), (321, 109700), (324, 109712), (325, 109715),

Gene: LittleDigger_91 Start: 67776, Stop: 66730, Start Num: 79

Candidate Starts for LittleDigger_91:

(Start: 79 @67776 has 157 MA's), (95, 67722), (96, 67704), (104, 67662), (112, 67629), (113, 67614), (116, 67605), (126, 67587), (144, 67548), (158, 67485), (170, 67422), (180, 67353), (182, 67347), (183, 67335), (208, 67227), (210, 67218), (213, 67197), (230, 67125), (245, 67047), (249, 67038), (251, 67032), (254, 67023), (266, 67002), (279, 66945), (289, 66915), (295, 66873), (304, 66843), (317, 66789), (321, 66768), (330, 66744), (335, 66735),

Gene: LittleMunchkin_79 Start: 61029, Stop: 60016, Start Num: 79

Candidate Starts for LittleMunchkin_79:

(54, 61110), (69, 61074), (Start: 79 @61029 has 157 MA's), (104, 60933), (112, 60900), (118, 60867), (126, 60858), (151, 60816), (180, 60642), (182, 60636), (183, 60624), (196, 60576), (210, 60504), (213, 60483), (221, 60456), (234, 60393), (240, 60357), (262, 60294), (279, 60231), (281, 60228), (289, 60201), (298, 60135),

Gene: LizLemon_85 Start: 64914, Stop: 63844, Start Num: 79

Candidate Starts for LizLemon_85:

(Start: 79 @64914 has 157 MA's), (Start: 91 @64884 has 4 MA's), (104, 64818), (106, 64809), (112, 64785), (116, 64761), (124, 64737), (180, 64482), (182, 64476), (183, 64464), (193, 64431), (199, 64410), (209, 64353), (210, 64350), (219, 64311), (221, 64302), (226, 64272), (230, 64257), (234, 64239), (237, 64215), (242, 64194), (251, 64164), (260, 64143), (279, 64077), (281, 64074), (289,

64047), (290, 64041), (305, 63966), (311, 63930),

Gene: Lolalove_94 Start: 68796, Stop: 67738, Start Num: 79

Candidate Starts for Lolalove_94:

(Start: 79 @68796 has 157 MA's), (104, 68682), (105, 68676), (112, 68649), (113, 68634), (116, 68625), (126, 68607), (144, 68568), (149, 68550), (158, 68505), (170, 68442), (180, 68373), (183, 68355), (188, 68337), (192, 68325), (193, 68319), (208, 68247), (210, 68238), (213, 68217), (238, 68100), (240, 68091), (245, 68067), (249, 68058), (254, 68043), (266, 68022), (279, 67965), (289, 67935), (295, 67893), (297, 67872), (317, 67797), (321, 67776), (332, 67749), (335, 67743),

Gene: Losacky_52 Start: 31187, Stop: 32239, Start Num: 70

Candidate Starts for Losacky_52:

(Start: 70 @31187 has 10 MA's), (Start: 79 @31229 has 157 MA's), (104, 31325), (113, 31373), (152, 31463), (180, 31622), (182, 31628), (184, 31643), (200, 31685), (206, 31724), (242, 31898), (276, 32006), (305, 32126), (316, 32168), (337, 32228),

Gene: LuckyBarnes_34 Start: 31205, Stop: 30204, Start Num: 79

Candidate Starts for LuckyBarnes_34:

(55, 31289), (Start: 79 @31205 has 157 MA's), (149, 30989), (159, 30938), (177, 30821), (180, 30809), (205, 30710), (213, 30668), (223, 30635), (242, 30530), (252, 30497), (272, 30443), (276, 30422), (279, 30413), (292, 30362), (295, 30341), (300, 30311), (312, 30278), (329, 30221), (336, 30209),

Gene: LukeCage_2 Start: 2214, Stop: 1213, Start Num: 81

Candidate Starts for LukeCage_2:

(Start: 33 @2358 has 1 MA's), (46, 2319), (50, 2304), (57, 2289), (65, 2271), (Start: 81 @2214 has 135 MA's), (107, 2103), (115, 2064), (117, 2055), (134, 2016), (183, 1824), (196, 1794), (199, 1782), (204, 1746), (210, 1722), (218, 1683), (223, 1665), (228, 1635), (240, 1572), (244, 1554), (254, 1524), (281, 1440), (292, 1380), (299, 1332), (308, 1314),

Gene: LukeCage_265 Start: 123118, Stop: 122117, Start Num: 81

Candidate Starts for LukeCage_265:

(Start: 33 @123262 has 1 MA's), (46, 123223), (50, 123208), (57, 123193), (65, 123175), (Start: 81 @123118 has 135 MA's), (107, 123007), (115, 122968), (117, 122959), (134, 122920), (183, 122728), (196, 122698), (199, 122686), (204, 122650), (210, 122626), (218, 122587), (223, 122569), (228, 122539), (240, 122476), (244, 122458), (254, 122428), (281, 122344), (292, 122284), (299, 122236), (308, 122218),

Gene: Lululemon_249 Start: 123117, Stop: 122104, Start Num: 81

Candidate Starts for Lululemon_249:

(51, 123213), (Start: 81 @123117 has 135 MA's), (107, 123006), (113, 122973), (121, 122946), (123, 122937), (128, 122916), (133, 122901), (159, 122850), (176, 122739), (193, 122685), (210, 122604), (218, 122565), (223, 122547), (228, 122517), (240, 122454), (269, 122370), (272, 122358), (281, 122325), (292, 122265), (299, 122217), (308, 122199), (316, 122160),

Gene: Lululemon_2 Start: 2225, Stop: 1212, Start Num: 81

Candidate Starts for Lululemon_2:

(51, 2321), (Start: 81 @2225 has 135 MA's), (107, 2114), (113, 2081), (121, 2054), (123, 2045), (128, 2024), (133, 2009), (159, 1958), (176, 1847), (193, 1793), (210, 1712), (218, 1673), (223, 1655), (228, 1625), (240, 1562), (269, 1478), (272, 1466), (281, 1433), (292, 1373), (299, 1325), (308, 1307), (316, 1268),

Gene: Magpie_88 Start: 68610, Stop: 67552, Start Num: 79

Candidate Starts for Magpie_88:

(Start: 79 @68610 has 157 MA's), (95, 68556), (104, 68496), (105, 68490), (112, 68463), (113, 68448), (116, 68439), (126, 68421), (144, 68382), (149, 68364), (158, 68319), (170, 68256), (180, 68187), (183, 68169), (188, 68151), (193, 68133), (208, 68061), (210, 68052), (213, 68031), (228, 67968), (238, 67914), (240, 67905), (245, 67881), (249, 67872), (254, 67857), (266, 67836), (279, 67779), (289, 67749), (293, 67719), (295, 67707), (297, 67686), (317, 67611), (321, 67590), (332, 67563), (335, 67557),

Gene: Magritte_144 Start: 88480, Stop: 89481, Start Num: 79

Candidate Starts for Magritte_144:

(Start: 79 @88480 has 157 MA's), (101, 88561), (108, 88594), (147, 88711), (151, 88717), (152, 88732), (168, 88816), (170, 88822), (177, 88879), (178, 88885), (180, 88891), (204, 88984), (206, 88990), (225, 89083), (228, 89092), (234, 89119), (266, 89224), (276, 89272), (279, 89281),

Gene: Makar_1 Start: 1, Stop: 1032, Start Num: 79

Candidate Starts for Makar_1:

(Start: 79 @1 has 157 MA's), (104, 97), (116, 154), (135, 199), (177, 406), (180, 418), (182, 424), (197, 481), (205, 526), (242, 703), (255, 745), (259, 754), (261, 757), (267, 778),

Gene: MakoManhole_76 Start: 58357, Stop: 57338, Start Num: 79

Candidate Starts for MakoManhole_76:

(54, 58435), (58, 58426), (69, 58399), (Start: 79 @58357 has 157 MA's), (104, 58261), (112, 58228), (116, 58204), (118, 58195), (131, 58171), (144, 58153), (151, 58132), (175, 57985), (178, 57961), (180, 57955), (183, 57937), (199, 57883), (204, 57847), (213, 57802), (224, 57751), (251, 57637), (281, 57547), (289, 57520), (290, 57514), (316, 57403),

Gene: Margaery_54 Start: 37699, Stop: 38700, Start Num: 85

Candidate Starts for Margaery_54:

(Start: 85 @37699 has 37 MA's), (97, 37747), (101, 37771), (110, 37813), (146, 37915), (162, 37978), (163, 37993), (172, 38029), (173, 38035), (174, 38038), (179, 38086), (216, 38245), (239, 38368), (242, 38380), (245, 38395), (268, 38455), (271, 38470), (285, 38524), (312, 38635), (324, 38692),

Gene: Mariel_53 Start: 31394, Stop: 32446, Start Num: 70

Candidate Starts for Mariel_53:

(Start: 70 @31394 has 10 MA's), (Start: 79 @31436 has 157 MA's), (104, 31532), (113, 31580), (144, 31634), (152, 31670), (180, 31829), (182, 31835), (183, 31847), (200, 31892), (205, 31928), (206, 31931), (228, 32033), (242, 32105), (276, 32213), (305, 32333), (316, 32375), (337, 32435),

Gene: Mariokart_76 Start: 58166, Stop: 57159, Start Num: 79

Candidate Starts for Mariokart_76:

(20, 58379), (25, 58334), (51, 58250), (54, 58244), (69, 58208), (Start: 79 @58166 has 157 MA's), (104, 58070), (112, 58037), (113, 58022), (126, 57995), (134, 57971), (147, 57956), (175, 57806), (178, 57782), (180, 57776), (183, 57758), (199, 57704), (206, 57662), (208, 57653), (213, 57623), (224, 57572), (242, 57488), (251, 57458), (274, 57389), (279, 57371), (281, 57368), (290, 57335), (295, 57299),

Gene: Marley1013_95 Start: 67451, Stop: 66339, Start Num: 67

Candidate Starts for Marley1013_95:

(24, 67571), (Start: 34 @67541 has 6 MA's), (Start: 67 @67451 has 17 MA's), (Start: 79 @67397 has 157 MA's), (Start: 91 @67367 has 4 MA's), (104, 67283), (112, 67250), (140, 67178), (158, 67106), (174, 67025), (178, 66980), (180, 66974), (182, 66968), (183, 66956), (193, 66920), (213, 66818), (219, 66800), (228, 66755), (242, 66683), (245, 66668), (256, 66641), (260, 66632), (275, 66575), (295, 66491), (298, 66467), (309, 66437),

Gene: Marlia_97 Start: 66959, Stop: 65901, Start Num: 79

Candidate Starts for Marlia_97:

(24, 67133), (Start: 34 @67103 has 6 MA's), (Start: 67 @67013 has 17 MA's), (Start: 79 @66959 has 157 MA's), (Start: 91 @66929 has 4 MA's), (104, 66845), (112, 66812), (140, 66740), (158, 66668), (174, 66587), (178, 66542), (180, 66536), (182, 66530), (183, 66518), (193, 66482), (213, 66380), (219, 66362), (228, 66317), (242, 66245), (245, 66230), (256, 66203), (260, 66194), (275, 66137), (295, 66053), (298, 66029), (309, 65999),

Gene: Marsus_259 Start: 125936, Stop: 124920, Start Num: 81

Candidate Starts for Marsus_259:

(77, 125948), (Start: 81 @125936 has 135 MA's), (101, 125855), (107, 125825), (117, 125777), (120, 125768), (121, 125765), (122, 125759), (133, 125720), (159, 125666), (176, 125555), (193, 125501), (210, 125420), (218, 125381), (223, 125363), (228, 125333), (240, 125270), (272, 125174), (281, 125141), (292, 125081), (299, 125033), (308, 125015), (317, 124973),

Gene: Marsus_2 Start: 2232, Stop: 1216, Start Num: 81

Candidate Starts for Marsus_2:

(77, 2244), (Start: 81 @2232 has 135 MA's), (101, 2151), (107, 2121), (117, 2073), (120, 2064), (121, 2061), (122, 2055), (133, 2016), (159, 1962), (176, 1851), (193, 1797), (210, 1716), (218, 1677), (223, 1659), (228, 1629), (240, 1566), (272, 1470), (281, 1437), (292, 1377), (299, 1329), (308, 1311), (317, 1269),

Gene: Martha_76 Start: 50549, Stop: 49554, Start Num: 89

Candidate Starts for Martha_76:

(Start: 89 @50549 has 21 MA's), (108, 50456), (128, 50393), (136, 50375), (175, 50195), (178, 50171), (180, 50165), (183, 50147), (184, 50144), (204, 50069), (215, 50018), (242, 49889), (246, 49874), (260, 49838), (271, 49805), (315, 49622),

Gene: Maruru_95 Start: 58384, Stop: 57389, Start Num: 91

Candidate Starts for Maruru_95:

(Start: 91 @58384 has 4 MA's), (104, 58288), (108, 58270), (117, 58225), (118, 58222), (177, 58003), (180, 57991), (183, 57973), (184, 57970), (228, 57787), (242, 57715), (260, 57664), (273, 57613), (281, 57589), (282, 57583), (295, 57520), (296, 57508),

Gene: MasterPo_86 Start: 64783, Stop: 63713, Start Num: 79

Candidate Starts for MasterPo_86:

(23, 64978), (Start: 79 @64783 has 157 MA's), (Start: 91 @64753 has 4 MA's), (104, 64687), (106, 64678), (112, 64654), (116, 64630), (124, 64606), (180, 64351), (182, 64345), (183, 64333), (193, 64300), (199, 64279), (209, 64222), (210, 64219), (219, 64180), (226, 64141), (230, 64126), (234, 64108), (237, 64084), (242, 64063), (251, 64033), (260, 64012), (279, 63946), (281, 63943), (289, 63916), (290, 63910), (305, 63835), (311, 63799),

Gene: Matzah_57 Start: 38560, Stop: 39561, Start Num: 85

Candidate Starts for Matzah_57:

(Start: 85 @38560 has 37 MA's), (97, 38608), (101, 38632), (110, 38674), (146, 38776), (158, 38815), (163, 38854), (172, 38890), (173, 38896), (174, 38899), (179, 38947), (216, 39106), (239, 39229), (242, 39241), (245, 39256), (268, 39316), (271, 39331), (285, 39385), (312, 39496),

Gene: Maupel_221 Start: 106326, Stop: 107348, Start Num: 81

Candidate Starts for Maupel_221:

(Start: 81 @106326 has 135 MA's), (Start: 91 @106356 has 4 MA's), (107, 106437), (112, 106455), (121, 106497), (128, 106515), (134, 106533), (181, 106713), (198, 106776), (203, 106809), (206, 106821), (207, 106824), (209, 106836), (224, 106911), (240, 106986), (245, 107010), (247, 107016),

(257, 107040), (276, 107103), (324, 107325), (333, 107340),

Gene: Mazun_18 Start: 12571, Stop: 11567, Start Num: 85

Candidate Starts for Mazun_18:

(Start: 85 @12571 has 37 MA's), (113, 12442), (151, 12346), (163, 12277), (165, 12268), (177, 12193), (210, 12055), (228, 11962), (242, 11890), (245, 11875), (251, 11860), (265, 11830), (273, 11785), (306, 11653), (316, 11614), (325, 11572),

Gene: Megan_56 Start: 41734, Stop: 42738, Start Num: 85

Candidate Starts for Megan_56:

(Start: 85 @41734 has 37 MA's), (93, 41764), (94, 41773), (97, 41782), (101, 41806), (109, 41845), (110, 41848), (146, 41950), (171, 42058), (174, 42076), (179, 42124), (198, 42190), (210, 42253), (213, 42274), (214, 42277), (222, 42313), (224, 42334), (242, 42418), (245, 42433), (253, 42454), (268, 42493), (271, 42508), (278, 42541), (280, 42544), (285, 42562), (294, 42601), (297, 42631), (320, 42709),

Gene: MeganTheeKilla_223 Start: 107197, Stop: 108219, Start Num: 81

Candidate Starts for MeganTheeKilla_223:

(Start: 81 @107197 has 135 MA's), (Start: 91 @107227 has 4 MA's), (107, 107308), (112, 107326), (121, 107368), (134, 107404), (181, 107584), (198, 107647), (203, 107680), (206, 107692), (207, 107695), (209, 107707), (224, 107782), (240, 107857), (245, 107881), (257, 107911), (276, 107974), (324, 108196),

Gene: MementoMori_56 Start: 38139, Stop: 39140, Start Num: 85

Candidate Starts for MementoMori_56:

(Start: 85 @38139 has 37 MA's), (97, 38187), (101, 38211), (110, 38253), (121, 38295), (146, 38355), (158, 38394), (162, 38418), (163, 38433), (172, 38469), (173, 38475), (174, 38478), (179, 38526), (216, 38685), (239, 38808), (242, 38820), (245, 38835), (268, 38895), (271, 38910), (285, 38964),

Gene: MenE_52 Start: 31078, Stop: 32130, Start Num: 70

Candidate Starts for MenE_52:

(Start: 70 @31078 has 10 MA's), (Start: 79 @31120 has 157 MA's), (104, 31216), (113, 31264), (152, 31354), (180, 31513), (182, 31519), (184, 31534), (200, 31576), (206, 31615), (242, 31789), (276, 31897), (305, 32017), (316, 32059), (337, 32119),

Gene: Mildred21_266 Start: 123620, Stop: 122598, Start Num: 81

Candidate Starts for Mildred21_266:

(Start: 81 @123620 has 135 MA's), (107, 123509), (117, 123461), (121, 123449), (122, 123443), (133, 123404), (159, 123350), (176, 123239), (193, 123185), (202, 123140), (208, 123113), (223, 123047), (228, 123017), (240, 122954), (272, 122858), (281, 122825), (299, 122717),

Gene: Mildred21_3 Start: 2462, Stop: 1440, Start Num: 81

Candidate Starts for Mildred21_3:

(Start: 81 @2462 has 135 MA's), (107, 2351), (117, 2303), (121, 2291), (122, 2285), (133, 2246), (159, 2192), (176, 2081), (193, 2027), (202, 1982), (208, 1955), (223, 1889), (228, 1859), (240, 1796), (272, 1700), (281, 1667), (299, 1559),

Gene: Mimi_175 Start: 115674, Stop: 116648, Start Num: 79

Candidate Starts for Mimi_175:

(Start: 79 @115674 has 157 MA's), (93, 115716), (178, 116055), (198, 116118), (205, 116160), (217, 116214), (234, 116292), (281, 116436), (286, 116463), (288, 116469), (319, 116607),

Gene: MindFlayer_2 Start: 2261, Stop: 1221, Start Num: 71

Candidate Starts for MindFlayer_2:

(Start: 71 @2261 has 21 MA's), (Start: 81 @2216 has 135 MA's), (107, 2105), (113, 2072), (123, 2039), (131, 2027), (134, 2018), (159, 1970), (161, 1952), (162, 1949), (193, 1805), (196, 1796), (203, 1754), (210, 1724), (218, 1685), (223, 1667), (228, 1637), (240, 1574), (281, 1442), (292, 1382), (299, 1334), (316, 1277), (324, 1241),

Gene: MindFlayer_254 Start: 120321, Stop: 119281, Start Num: 71

Candidate Starts for MindFlayer_254:

(Start: 71 @120321 has 21 MA's), (Start: 81 @120276 has 135 MA's), (107, 120165), (113, 120132), (123, 120099), (131, 120087), (134, 120078), (159, 120030), (161, 120012), (162, 120009), (193, 119865), (196, 119856), (203, 119814), (210, 119784), (218, 119745), (223, 119727), (228, 119697), (240, 119634), (281, 119502), (292, 119442), (299, 119394), (316, 119337), (324, 119301),

Gene: Mithril_90 Start: 68622, Stop: 67564, Start Num: 79

Candidate Starts for Mithril_90:

(Start: 79 @68622 has 157 MA's), (104, 68508), (105, 68502), (112, 68475), (113, 68460), (116, 68451), (126, 68433), (144, 68394), (149, 68376), (158, 68331), (170, 68268), (180, 68199), (183, 68181), (188, 68163), (193, 68145), (208, 68073), (210, 68064), (213, 68043), (238, 67926), (240, 67917), (245, 67893), (249, 67884), (254, 67869), (266, 67848), (279, 67791), (289, 67761), (293, 67731), (295, 67719), (297, 67698), (317, 67623), (321, 67602), (332, 67575), (335, 67569),

Gene: MmasiCarm_98 Start: 67294, Stop: 66236, Start Num: 79

Candidate Starts for MmasiCarm_98:

(24, 67468), (Start: 34 @67438 has 6 MA's), (Start: 67 @67348 has 17 MA's), (Start: 79 @67294 has 157 MA's), (Start: 91 @67264 has 4 MA's), (104, 67180), (112, 67147), (140, 67075), (158, 67003), (174, 66922), (178, 66877), (180, 66871), (182, 66865), (183, 66853), (193, 66817), (213, 66715), (219, 66697), (228, 66652), (242, 66580), (245, 66565), (256, 66538), (260, 66529), (275, 66472), (295, 66388), (298, 66364), (309, 66334),

Gene: Moab_220 Start: 109307, Stop: 110329, Start Num: 80

Candidate Starts for Moab_220:

(Start: 80 @109307 has 9 MA's), (Start: 91 @109337 has 4 MA's), (100, 109379), (107, 109418), (112, 109436), (121, 109478), (128, 109496), (134, 109514), (181, 109694), (184, 109712), (198, 109757), (203, 109790), (204, 109796), (206, 109802), (224, 109892), (240, 109967), (245, 109991), (257, 110021), (276, 110084), (324, 110303),

Gene: Moleficent_18 Start: 12566, Stop: 11562, Start Num: 85

Candidate Starts for Moleficent_18:

(Start: 85 @12566 has 37 MA's), (113, 12437), (151, 12341), (163, 12272), (165, 12263), (177, 12188), (210, 12050), (228, 11957), (242, 11885), (245, 11870), (251, 11855), (256, 11843), (265, 11825), (273, 11780), (306, 11648), (316, 11609), (325, 11567),

Gene: Morrill_17 Start: 12308, Stop: 11304, Start Num: 85

Candidate Starts for Morrill_17:

(Start: 85 @12308 has 37 MA's), (113, 12179), (151, 12083), (163, 12014), (165, 12005), (179, 11921), (210, 11792), (228, 11699), (242, 11627), (245, 11612), (251, 11597), (265, 11567), (273, 11522), (306, 11390), (316, 11351), (325, 11309),

Gene: Mortcellus_97 Start: 68032, Stop: 66974, Start Num: 79

Candidate Starts for Mortcellus_97:

(24, 68206), (Start: 34 @68176 has 6 MA's), (Start: 67 @68086 has 17 MA's), (Start: 79 @68032 has 157 MA's), (Start: 91 @68002 has 4 MA's), (104, 67918), (112, 67885), (140, 67813), (158, 67741), (174, 67660), (178, 67615), (180, 67609), (182, 67603), (183, 67591), (193, 67555), (213, 67453),

(219, 67435), (228, 67390), (242, 67318), (245, 67303), (256, 67276), (260, 67267), (275, 67210), (295, 67126), (298, 67102), (309, 67072),

Gene: Morty007_95 Start: 67664, Stop: 66606, Start Num: 79

Candidate Starts for Morty007_95:

(24, 67838), (Start: 34 @67808 has 6 MA's), (Start: 67 @67718 has 17 MA's), (Start: 79 @67664 has 157 MA's), (Start: 91 @67634 has 4 MA's), (104, 67550), (112, 67517), (140, 67445), (158, 67373), (174, 67292), (178, 67247), (180, 67241), (182, 67235), (183, 67223), (193, 67187), (213, 67085), (219, 67067), (228, 67022), (242, 66950), (245, 66935), (256, 66908), (260, 66899), (275, 66842), (295, 66758), (298, 66734), (309, 66704),

Gene: MossRose_79 Start: 59268, Stop: 58249, Start Num: 79

Candidate Starts for MossRose_79:

(Start: 27 @59424 has 1 MA's), (54, 59346), (69, 59310), (Start: 79 @59268 has 157 MA's), (104, 59172), (112, 59139), (116, 59115), (118, 59106), (131, 59082), (144, 59064), (151, 59043), (175, 58896), (178, 58872), (180, 58866), (183, 58848), (199, 58794), (204, 58758), (213, 58713), (224, 58662), (251, 58548), (281, 58458), (289, 58431), (290, 58425), (316, 58314),

Gene: Mudslide_93 Start: 69027, Stop: 67969, Start Num: 79

Candidate Starts for Mudslide_93:

(Start: 79 @69027 has 157 MA's), (95, 68973), (104, 68913), (105, 68907), (112, 68880), (113, 68865), (116, 68856), (126, 68838), (144, 68799), (149, 68781), (158, 68736), (170, 68673), (180, 68604), (183, 68586), (188, 68568), (192, 68556), (193, 68550), (208, 68478), (210, 68469), (213, 68448), (238, 68331), (240, 68322), (245, 68298), (249, 68289), (254, 68274), (266, 68253), (279, 68196), (289, 68166), (295, 68124), (297, 68103), (317, 68028), (321, 68007), (332, 67980), (335, 67974),

Gene: Mufasa8_100 Start: 59050, Stop: 58061, Start Num: 91

Candidate Starts for Mufasa8_100:

(Start: 91 @59050 has 4 MA's), (164, 58750), (170, 58729), (177, 58672), (178, 58666), (180, 58660), (182, 58654), (183, 58642), (192, 58627), (220, 58495), (242, 58384), (264, 58330), (281, 58264), (310, 58144),

Gene: Mugiwara_269 Start: 123586, Stop: 122585, Start Num: 81

Candidate Starts for Mugiwara_269:

(Start: 33 @123730 has 1 MA's), (46, 123691), (50, 123676), (57, 123661), (65, 123643), (Start: 81 @123586 has 135 MA's), (107, 123475), (131, 123397), (134, 123388), (159, 123340), (161, 123322), (183, 123196), (187, 123190), (196, 123166), (199, 123154), (203, 123124), (210, 123094), (218, 123055), (223, 123037), (228, 123007), (240, 122944), (281, 122812), (292, 122752), (299, 122704), (316, 122647), (327, 122602),

Gene: Mugiwara_2 Start: 2345, Stop: 1200, Start Num: 33

Candidate Starts for Mugiwara_2:

(Start: 33 @2345 has 1 MA's), (46, 2306), (50, 2291), (57, 2276), (65, 2258), (Start: 81 @2201 has 135 MA's), (107, 2090), (131, 2012), (134, 2003), (159, 1955), (161, 1937), (183, 1811), (187, 1805), (196, 1781), (199, 1769), (203, 1739), (210, 1709), (218, 1670), (223, 1652), (228, 1622), (240, 1559), (281, 1427), (292, 1367), (299, 1319), (316, 1262), (327, 1217),

Gene: Mulaychimus_98 Start: 67473, Stop: 66415, Start Num: 79

Candidate Starts for Mulaychimus_98:

(24, 67647), (Start: 34 @67617 has 6 MA's), (Start: 67 @67527 has 17 MA's), (Start: 79 @67473 has 157 MA's), (Start: 91 @67443 has 4 MA's), (104, 67359), (112, 67326), (140, 67254), (158, 67182), (174, 67101), (178, 67056), (180, 67050), (182, 67044), (183, 67032), (193, 66996), (213, 66894), (219, 66876), (228, 66831), (242, 66759), (245, 66744), (256, 66717), (260, 66708), (275, 66651),

(295, 66567), (298, 66543), (309, 66513),

Gene: MulchMansion_258 Start: 125252, Stop: 124236, Start Num: 81

Candidate Starts for MulchMansion_258:

(Start: 81 @125252 has 135 MA's), (107, 125141), (117, 125093), (121, 125081), (122, 125075), (133, 125036), (159, 124982), (176, 124871), (193, 124817), (210, 124736), (218, 124697), (223, 124679), (228, 124649), (240, 124586), (272, 124490), (281, 124457), (292, 124397), (299, 124349), (308, 124331), (316, 124292),

Gene: MulchMansion_2 Start: 2274, Stop: 1258, Start Num: 81

Candidate Starts for MulchMansion_2:

(Start: 81 @2274 has 135 MA's), (107, 2163), (117, 2115), (121, 2103), (122, 2097), (133, 2058), (159, 2004), (176, 1893), (193, 1839), (210, 1758), (218, 1719), (223, 1701), (228, 1671), (240, 1608), (272, 1512), (281, 1479), (292, 1419), (299, 1371), (308, 1353), (316, 1314),

Gene: Mysterious_89 Start: 67024, Stop: 65951, Start Num: 79

Candidate Starts for Mysterious_89:

(Start: 79 @67024 has 157 MA's), (104, 66928), (112, 66895), (127, 66853), (137, 66823), (149, 66799), (153, 66772), (157, 66760), (180, 66622), (182, 66616), (183, 66604), (196, 66562), (210, 66490), (230, 66397), (236, 66358), (240, 66343), (243, 66331), (251, 66304), (254, 66295), (260, 66283), (279, 66217), (281, 66214), (282, 66208), (283, 66205), (298, 66121), (300, 66115), (314, 66079), (339, 65998), (340, 65989), (343, 65968),

Gene: NCRodriguez_52 Start: 31148, Stop: 32200, Start Num: 70

Candidate Starts for NCRodriguez_52:

(Start: 70 @31148 has 10 MA's), (Start: 79 @31190 has 157 MA's), (104, 31286), (113, 31334), (152, 31424), (180, 31583), (182, 31589), (184, 31604), (200, 31646), (206, 31685), (208, 31694), (242, 31859), (276, 31967), (305, 32087), (316, 32129), (337, 32189),

Gene: NHagos_76 Start: 57550, Stop: 56543, Start Num: 79

Candidate Starts for NHagos_76:

(Start: 79 @57550 has 157 MA's), (104, 57454), (112, 57421), (134, 57355), (147, 57340), (151, 57334), (175, 57190), (178, 57166), (180, 57160), (183, 57142), (199, 57088), (205, 57049), (213, 57007), (224, 56956), (262, 56818), (281, 56752), (289, 56725), (290, 56719), (300, 56653), (314, 56617),

Gene: Nanao_91 Start: 67687, Stop: 66641, Start Num: 79

Candidate Starts for Nanao_91:

(Start: 79 @67687 has 157 MA's), (95, 67633), (96, 67615), (104, 67573), (112, 67540), (113, 67525), (116, 67516), (126, 67498), (144, 67459), (147, 67444), (158, 67396), (170, 67333), (180, 67264), (182, 67258), (183, 67246), (208, 67138), (210, 67129), (213, 67108), (230, 67036), (245, 66958), (249, 66949), (251, 66943), (254, 66934), (266, 66913), (279, 66856), (289, 66826), (295, 66784), (304, 66754), (317, 66700), (321, 66679), (335, 66646),

Gene: Nandito_75 Start: 46951, Stop: 45953, Start Num: 90

Candidate Starts for Nandito_75:

(Start: 90 @46951 has 7 MA's), (108, 46864), (175, 46606), (177, 46588), (178, 46582), (214, 46432), (215, 46429), (242, 46300), (246, 46285), (250, 46273),

Gene: Nangang_91 Start: 67505, Stop: 66432, Start Num: 79

Candidate Starts for Nangang_91:

(13, 67814), (22, 67700), (29, 67658), (Start: 79 @67505 has 157 MA's), (104, 67409), (112, 67376), (127, 67334), (137, 67304), (152, 67262), (153, 67253), (180, 67103), (182, 67097), (199, 67031),

(210, 66971), (230, 66878), (232, 66869), (236, 66839), (240, 66824), (251, 66785), (254, 66776), (260, 66764), (281, 66695), (282, 66689), (283, 66686), (298, 66602), (300, 66596), (314, 66557), (340, 66467), (341, 66464), (342, 66449),

Gene: NathanVaag_72 Start: 49262, Stop: 48258, Start Num: 89

Candidate Starts for NathanVaag_72:

(Start: 72 @49325 has 2 MA's), (Start: 89 @49262 has 21 MA's), (128, 49103), (137, 49082), (144, 49064), (153, 49019), (156, 49010), (160, 48983), (175, 48899), (178, 48875), (180, 48869), (183, 48851), (209, 48752), (215, 48722), (242, 48593), (246, 48578), (301, 48371), (315, 48326), (331, 48272),

Gene: Navo_244 Start: 121839, Stop: 120826, Start Num: 81

Candidate Starts for Navo_244:

(21, 122061), (35, 121989), (46, 121953), (Start: 53 @121932 has 4 MA's), (61, 121914), (Start: 81 @121839 has 135 MA's), (101, 121758), (107, 121728), (121, 121668), (128, 121638), (133, 121623), (134, 121620), (159, 121572), (176, 121461), (193, 121407), (202, 121362), (210, 121326), (218, 121287), (223, 121269), (228, 121239), (272, 121080), (281, 121047), (292, 120987), (299, 120939), (308, 120921), (316, 120882),

Gene: Navo_2 Start: 2214, Stop: 1201, Start Num: 81

Candidate Starts for Navo_2:

(21, 2436), (35, 2364), (46, 2328), (Start: 53 @2307 has 4 MA's), (61, 2289), (Start: 81 @2214 has 135 MA's), (101, 2133), (107, 2103), (121, 2043), (128, 2013), (133, 1998), (134, 1995), (159, 1947), (176, 1836), (193, 1782), (202, 1737), (210, 1701), (218, 1662), (223, 1644), (228, 1614), (272, 1455), (281, 1422), (292, 1362), (299, 1314), (308, 1296), (316, 1257),

Gene: Nehemiah_89 Start: 66891, Stop: 65818, Start Num: 79

Candidate Starts for Nehemiah_89:

(Start: 79 @66891 has 157 MA's), (104, 66795), (112, 66762), (126, 66723), (127, 66720), (137, 66690), (149, 66666), (153, 66639), (157, 66627), (180, 66489), (182, 66483), (183, 66471), (196, 66429), (210, 66357), (230, 66264), (236, 66225), (240, 66210), (243, 66198), (251, 66171), (254, 66162), (260, 66150), (279, 66084), (281, 66081), (282, 66075), (283, 66072), (298, 65988), (300, 65982), (314, 65946), (339, 65865), (340, 65856), (343, 65835),

Gene: Neos5_96 Start: 67264, Stop: 66062, Start Num: 34

Candidate Starts for Neos5_96:

(24, 67294), (Start: 34 @67264 has 6 MA's), (Start: 67 @67174 has 17 MA's), (Start: 79 @67120 has 157 MA's), (Start: 91 @67090 has 4 MA's), (104, 67006), (112, 66973), (140, 66901), (158, 66829), (174, 66748), (178, 66703), (180, 66697), (182, 66691), (183, 66679), (193, 66643), (213, 66541), (219, 66523), (228, 66478), (242, 66406), (245, 66391), (256, 66364), (260, 66355), (275, 66298), (295, 66214), (298, 66190), (309, 66160),

Gene: NiceHouse_208 Start: 114434, Stop: 115474, Start Num: 81

Candidate Starts for NiceHouse_208:

(Start: 81 @114434 has 135 MA's), (101, 114512), (104, 114527), (108, 114545), (120, 114599), (123, 114602), (133, 114638), (156, 114719), (162, 114752), (169, 114785), (193, 114896), (197, 114911), (198, 114914), (210, 114977), (212, 114992), (215, 115004), (224, 115049), (256, 115175), (281, 115259), (294, 115316), (300, 115355), (308, 115376), (321, 115439),

Gene: Nicole72_57 Start: 42240, Stop: 43244, Start Num: 85

Candidate Starts for Nicole72_57:

(Start: 85 @42240 has 37 MA's), (93, 42270), (97, 42288), (101, 42312), (146, 42456), (165, 42543), (173, 42579), (179, 42630), (195, 42684), (198, 42696), (210, 42759), (213, 42780), (222, 42819),

(224, 42840), (242, 42924), (245, 42939), (268, 42999), (271, 43014), (282, 43056), (297, 43137), (312, 43179), (317, 43200), (321, 43224),

Gene: Nigel_88 Start: 67148, Stop: 66102, Start Num: 79

Candidate Starts for Nigel_88:

(Start: 79 @67148 has 157 MA's), (104, 67034), (112, 67001), (113, 66986), (116, 66977), (117, 66971), (126, 66959), (144, 66920), (147, 66905), (149, 66902), (158, 66857), (170, 66794), (180, 66725), (182, 66719), (183, 66707), (208, 66599), (210, 66590), (213, 66569), (221, 66542), (230, 66497), (238, 66452), (245, 66419), (249, 66410), (251, 66404), (254, 66395), (266, 66374), (279, 66317), (289, 66287), (293, 66257), (304, 66215), (317, 66161), (321, 66140), (330, 66116), (335, 66107),

Gene: NootNoot_3 Start: 2427, Stop: 1414, Start Num: 81

Candidate Starts for NootNoot_3:

(35, 2577), (46, 2541), (Start: 53 @2520 has 4 MA's), (61, 2502), (Start: 81 @2427 has 135 MA's), (101, 2346), (107, 2316), (121, 2256), (128, 2226), (133, 2211), (134, 2208), (159, 2160), (176, 2049), (193, 1995), (202, 1950), (210, 1914), (218, 1875), (223, 1857), (228, 1827), (272, 1668), (281, 1635), (292, 1575), (299, 1527), (308, 1509), (316, 1470),

Gene: NootNoot_248 Start: 122726, Stop: 121713, Start Num: 81

Candidate Starts for NootNoot_248:

(35, 122876), (46, 122840), (Start: 53 @122819 has 4 MA's), (61, 122801), (Start: 81 @122726 has 135 MA's), (101, 122645), (107, 122615), (121, 122555), (128, 122525), (133, 122510), (134, 122507), (159, 122459), (176, 122348), (193, 122294), (202, 122249), (210, 122213), (218, 122174), (223, 122156), (228, 122126), (272, 121967), (281, 121934), (292, 121874), (299, 121826), (308, 121808), (316, 121769),

Gene: Nostromo_71 Start: 47502, Stop: 46501, Start Num: 89

Candidate Starts for Nostromo_71:

(Start: 89 @47502 has 21 MA's), (108, 47409), (113, 47379), (127, 47349), (137, 47325), (144, 47307), (156, 47253), (175, 47142), (178, 47118), (180, 47112), (209, 46995), (215, 46965), (223, 46938), (246, 46821), (295, 46647), (315, 46569), (321, 46542), (329, 46518), (334, 46509),

Gene: Nova53_207 Start: 111289, Stop: 112311, Start Num: 79

Candidate Starts for Nova53_207:

(Start: 79 @111289 has 157 MA's), (154, 111562), (159, 111580), (178, 111691), (196, 111754), (198, 111763), (206, 111808), (209, 111823), (213, 111847), (218, 111862), (234, 111937), (242, 111982), (324, 112288),

Gene: Nozo_97 Start: 67727, Stop: 66615, Start Num: 67

Candidate Starts for Nozo_97:

(24, 67847), (Start: 34 @67817 has 6 MA's), (Start: 67 @67727 has 17 MA's), (Start: 79 @67673 has 157 MA's), (Start: 91 @67643 has 4 MA's), (104, 67559), (112, 67526), (140, 67454), (158, 67382), (174, 67301), (178, 67256), (180, 67250), (182, 67244), (183, 67232), (185, 67226), (193, 67196), (213, 67094), (219, 67076), (228, 67031), (242, 66959), (245, 66944), (256, 66917), (260, 66908), (275, 66851), (295, 66767), (298, 66743), (309, 66713),

Gene: Obutu_99 Start: 67477, Stop: 66419, Start Num: 79

Candidate Starts for Obutu_99:

(24, 67651), (Start: 34 @67621 has 6 MA's), (Start: 67 @67531 has 17 MA's), (Start: 79 @67477 has 157 MA's), (Start: 91 @67447 has 4 MA's), (104, 67363), (112, 67330), (140, 67258), (158, 67186), (174, 67105), (178, 67060), (180, 67054), (182, 67048), (183, 67036), (193, 67000), (213, 66898), (219, 66880), (228, 66835), (242, 66763), (245, 66748), (256, 66721), (260, 66712), (275, 66655),

(295, 66571), (298, 66547), (309, 66517),

Gene: Olivio_97 Start: 67113, Stop: 66055, Start Num: 79

Candidate Starts for Olivio_97:

(24, 67287), (Start: 34 @67257 has 6 MA's), (Start: 67 @67167 has 17 MA's), (Start: 79 @67113 has 157 MA's), (Start: 91 @67083 has 4 MA's), (104, 66999), (112, 66966), (140, 66894), (158, 66822), (174, 66741), (178, 66696), (180, 66690), (182, 66684), (183, 66672), (193, 66636), (213, 66534), (219, 66516), (228, 66471), (242, 66399), (245, 66384), (256, 66357), (260, 66348), (275, 66291), (295, 66207), (298, 66183), (309, 66153),

Gene: Opia_86 Start: 64807, Stop: 63737, Start Num: 79

Candidate Starts for Opia_86:

(Start: 79 @64807 has 157 MA's), (Start: 91 @64777 has 4 MA's), (104, 64711), (106, 64702), (112, 64678), (116, 64654), (124, 64630), (180, 64375), (182, 64369), (183, 64357), (193, 64324), (199, 64303), (209, 64246), (210, 64243), (219, 64204), (221, 64195), (226, 64165), (230, 64150), (237, 64108), (242, 64087), (251, 64057), (260, 64036), (279, 63970), (281, 63967), (289, 63940), (290, 63934), (305, 63859), (311, 63823),

Gene: OrangeOswald_96 Start: 66962, Stop: 65850, Start Num: 67

Candidate Starts for OrangeOswald_96:

(24, 67082), (Start: 34 @67052 has 6 MA's), (Start: 67 @66962 has 17 MA's), (Start: 79 @66908 has 157 MA's), (Start: 91 @66878 has 4 MA's), (104, 66794), (112, 66761), (140, 66689), (158, 66617), (174, 66536), (178, 66491), (180, 66485), (182, 66479), (183, 66467), (185, 66461), (193, 66431), (213, 66329), (219, 66311), (228, 66266), (242, 66194), (245, 66179), (256, 66152), (260, 66143), (275, 66086), (295, 66002), (298, 65978), (309, 65948),

Gene: PacManQ_2 Start: 2225, Stop: 1212, Start Num: 81

Candidate Starts for PacManQ_2:

(51, 2321), (Start: 81 @2225 has 135 MA's), (107, 2114), (113, 2081), (121, 2054), (123, 2045), (128, 2024), (133, 2009), (159, 1958), (176, 1847), (193, 1793), (210, 1712), (218, 1673), (223, 1655), (228, 1625), (240, 1562), (269, 1478), (272, 1466), (281, 1433), (292, 1373), (299, 1325), (308, 1307), (316, 1268),

Gene: PacManQ_249 Start: 123117, Stop: 122104, Start Num: 81

Candidate Starts for PacManQ_249:

(51, 123213), (Start: 81 @123117 has 135 MA's), (107, 123006), (113, 122973), (121, 122946), (123, 122937), (128, 122916), (133, 122901), (159, 122850), (176, 122739), (193, 122685), (210, 122604), (218, 122565), (223, 122547), (228, 122517), (240, 122454), (269, 122370), (272, 122358), (281, 122325), (292, 122265), (299, 122217), (308, 122199), (316, 122160),

Gene: Panchaali_166 Start: 113192, Stop: 114172, Start Num: 79

Candidate Starts for Panchaali_166:

(Start: 79 @113192 has 157 MA's), (93, 113234), (157, 113438), (166, 113495), (178, 113576), (198, 113639), (213, 113723), (234, 113813), (242, 113858), (281, 113957), (295, 114032),

Gene: Paradiddles_3 Start: 2417, Stop: 1404, Start Num: 81

Candidate Starts for Paradiddles_3:

(35, 2567), (46, 2531), (Start: 53 @2510 has 4 MA's), (61, 2492), (Start: 81 @2417 has 135 MA's), (101, 2336), (107, 2306), (121, 2246), (128, 2216), (133, 2201), (134, 2198), (159, 2150), (176, 2039), (193, 1985), (202, 1940), (210, 1904), (218, 1865), (223, 1847), (228, 1817), (272, 1658), (281, 1625), (292, 1565), (299, 1517), (308, 1499), (316, 1460),

Gene: Paradiddles_244 Start: 125125, Stop: 124112, Start Num: 81

Candidate Starts for Paradiddles_244:

(35, 125275), (46, 125239), (Start: 53 @125218 has 4 MA's), (61, 125200), (Start: 81 @125125 has 135 MA's), (101, 125044), (107, 125014), (121, 124954), (128, 124924), (133, 124909), (134, 124906), (159, 124858), (176, 124747), (193, 124693), (202, 124648), (210, 124612), (218, 124573), (223, 124555), (228, 124525), (272, 124366), (281, 124333), (292, 124273), (299, 124225), (308, 124207), (316, 124168),

Gene: Patbob_173 Start: 116230, Stop: 117204, Start Num: 79

Candidate Starts for Patbob_173:

(Start: 79 @116230 has 157 MA's), (93, 116272), (178, 116611), (198, 116674), (205, 116716), (217, 116770), (234, 116848), (235, 116863), (281, 116992), (286, 117019), (288, 117025), (319, 117163),

Gene: Patelgo_221 Start: 109737, Stop: 110759, Start Num: 80

Candidate Starts for Patelgo_221:

(Start: 80 @109737 has 9 MA's), (Start: 91 @109767 has 4 MA's), (107, 109848), (112, 109866), (121, 109908), (128, 109926), (134, 109944), (181, 110124), (184, 110142), (198, 110187), (203, 110220), (204, 110226), (206, 110232), (224, 110322), (240, 110397), (245, 110421), (257, 110451), (276, 110514), (324, 110733),

Gene: Peebs_2 Start: 2371, Stop: 1211, Start Num: 36

Candidate Starts for Peebs_2:

(Start: 36 @2371 has 4 MA's), (Start: 53 @2317 has 4 MA's), (61, 2299), (Start: 81 @2224 has 135 MA's), (107, 2113), (121, 2053), (123, 2044), (128, 2023), (133, 2008), (159, 1957), (176, 1846), (193, 1792), (210, 1711), (223, 1654), (228, 1624), (240, 1561), (269, 1477), (272, 1465), (281, 1432), (292, 1372), (299, 1324), (308, 1306), (316, 1267),

Gene: Peebs_249 Start: 124346, Stop: 123186, Start Num: 36

Candidate Starts for Peebs_249:

(Start: 36 @124346 has 4 MA's), (Start: 53 @124292 has 4 MA's), (61, 124274), (Start: 81 @124199 has 135 MA's), (107, 124088), (121, 124028), (123, 124019), (128, 123998), (133, 123983), (159, 123932), (176, 123821), (193, 123767), (210, 123686), (223, 123629), (228, 123599), (240, 123536), (269, 123452), (272, 123440), (281, 123407), (292, 123347), (299, 123299), (308, 123281), (316, 123242),

Gene: PenguinLover67_89 Start: 66616, Stop: 65579, Start Num: 79

Candidate Starts for PenguinLover67_89:

(Start: 79 @66616 has 157 MA's), (84, 66607), (104, 66520), (112, 66487), (113, 66472), (118, 66454), (119, 66451), (147, 66406), (159, 66355), (180, 66226), (182, 66220), (183, 66208), (196, 66166), (199, 66154), (205, 66115), (208, 66103), (210, 66094), (221, 66046), (224, 66022), (226, 66016), (228, 66010), (230, 66001), (234, 65983), (240, 65947), (251, 65908), (254, 65899), (260, 65887), (266, 65878), (274, 65839), (279, 65821), (281, 65818), (283, 65809), (298, 65725), (300, 65719), (314, 65683),

Gene: Pepperwood_3 Start: 2379, Stop: 1366, Start Num: 81

Candidate Starts for Pepperwood_3:

(Start: 36 @2526 has 4 MA's), (Start: 53 @2472 has 4 MA's), (61, 2454), (Start: 81 @2379 has 135 MA's), (107, 2268), (121, 2208), (123, 2199), (128, 2178), (133, 2163), (159, 2112), (176, 2001), (193, 1947), (210, 1866), (218, 1827), (223, 1809), (228, 1779), (240, 1716), (269, 1632), (272, 1620), (281, 1587), (292, 1527), (299, 1479), (308, 1461), (316, 1422),

Gene: Pepperwood_252 Start: 124164, Stop: 123151, Start Num: 81

Candidate Starts for Pepperwood_252:

(Start: 36 @124311 has 4 MA's), (Start: 53 @124257 has 4 MA's), (61, 124239), (Start: 81 @124164 has 135 MA's), (107, 124053), (121, 123993), (123, 123984), (128, 123963), (133, 123948), (159, 123897), (176, 123786), (193, 123732), (210, 123651), (218, 123612), (223, 123594), (228, 123564), (240, 123501), (269, 123417), (272, 123405), (281, 123372), (292, 123312), (299, 123264), (308, 123246), (316, 123207),

Gene: Peregrin_181 Start: 95378, Stop: 96424, Start Num: 78

Candidate Starts for Peregrin_181:

(Start: 78 @95378 has 4 MA's), (93, 95417), (100, 95450), (108, 95495), (109, 95501), (115, 95531), (133, 95588), (163, 95726), (178, 95807), (180, 95813), (182, 95819), (189, 95852), (197, 95876), (215, 95969), (224, 96014), (228, 96026), (242, 96098), (276, 96203), (281, 96215), (296, 96293), (321, 96389), (327, 96410),

Gene: Persimmon_2 Start: 2215, Stop: 1202, Start Num: 81

Candidate Starts for Persimmon_2:

(35, 2365), (46, 2329), (Start: 53 @2308 has 4 MA's), (61, 2290), (Start: 81 @2215 has 135 MA's), (101, 2134), (107, 2104), (121, 2044), (128, 2014), (133, 1999), (134, 1996), (159, 1948), (176, 1837), (193, 1783), (202, 1738), (210, 1702), (218, 1663), (223, 1645), (228, 1615), (272, 1456), (281, 1423), (292, 1363), (299, 1315), (308, 1297), (316, 1258),

Gene: Persimmon_253 Start: 123026, Stop: 122013, Start Num: 81

Candidate Starts for Persimmon_253:

(35, 123176), (46, 123140), (Start: 53 @123119 has 4 MA's), (61, 123101), (Start: 81 @123026 has 135 MA's), (101, 122945), (107, 122915), (121, 122855), (128, 122825), (133, 122810), (134, 122807), (159, 122759), (176, 122648), (193, 122594), (202, 122549), (210, 122513), (218, 122474), (223, 122456), (228, 122426), (272, 122267), (281, 122234), (292, 122174), (299, 122126), (308, 122108), (316, 122069),

Gene: Phaedrus_92 Start: 66323, Stop: 65265, Start Num: 79

Candidate Starts for Phaedrus_92:

(24, 66497), (Start: 34 @66467 has 6 MA's), (Start: 67 @66377 has 17 MA's), (Start: 79 @66323 has 157 MA's), (Start: 91 @66293 has 4 MA's), (104, 66209), (112, 66176), (140, 66104), (158, 66032), (174, 65951), (178, 65906), (180, 65900), (182, 65894), (183, 65882), (193, 65846), (213, 65744), (219, 65726), (228, 65681), (242, 65609), (245, 65594), (256, 65567), (260, 65558), (275, 65501), (295, 65417), (298, 65393), (309, 65363),

Gene: Phantasmagoria_84 Start: 64790, Stop: 63720, Start Num: 79

Candidate Starts for Phantasmagoria_84:

(23, 64985), (Start: 79 @64790 has 157 MA's), (Start: 91 @64760 has 4 MA's), (104, 64694), (106, 64685), (112, 64661), (116, 64637), (124, 64613), (180, 64358), (182, 64352), (183, 64340), (193, 64307), (199, 64286), (209, 64229), (210, 64226), (219, 64187), (221, 64178), (226, 64148), (230, 64133), (234, 64115), (237, 64091), (242, 64070), (251, 64040), (260, 64019), (279, 63953), (281, 63950), (289, 63923), (290, 63917), (305, 63842), (311, 63806),

Gene: Pharky_18 Start: 12530, Stop: 11526, Start Num: 85

Candidate Starts for Pharky_18:

(Start: 85 @12530 has 37 MA's), (113, 12401), (151, 12305), (163, 12236), (165, 12227), (177, 12152), (210, 12014), (228, 11921), (242, 11849), (245, 11834), (251, 11819), (256, 11807), (265, 11789), (273, 11744), (306, 11612), (316, 11573), (325, 11531),

Gene: Phayeta_99 Start: 67158, Stop: 66100, Start Num: 79

Candidate Starts for Phayeta_99:

(24, 67332), (Start: 34 @67302 has 6 MA's), (Start: 67 @67212 has 17 MA's), (Start: 79 @67158 has 157 MA's), (Start: 91 @67128 has 4 MA's), (104, 67044), (112, 67011), (140, 66939), (158, 66867), (174, 66786), (178, 66741), (180, 66735), (182, 66729), (183, 66717), (193, 66681), (213, 66579), (219, 66561), (228, 66516), (242, 66444), (245, 66429), (256, 66402), (260, 66393), (275, 66336), (295, 66252), (298, 66228), (309, 66198),

Gene: Phedro_18 Start: 12530, Stop: 11526, Start Num: 85

Candidate Starts for Phedro_18:

(Start: 85 @12530 has 37 MA's), (113, 12401), (151, 12305), (163, 12236), (165, 12227), (177, 12152), (210, 12014), (228, 11921), (242, 11849), (245, 11834), (251, 11819), (256, 11807), (265, 11789), (273, 11744), (306, 11612), (316, 11573), (325, 11531),

Gene: Phelemich_87 Start: 66931, Stop: 65858, Start Num: 79

Candidate Starts for Phelemich_87:

(41, 67057), (45, 67045), (59, 67006), (Start: 79 @66931 has 157 MA's), (104, 66835), (112, 66802), (127, 66760), (137, 66730), (149, 66706), (153, 66679), (180, 66529), (182, 66523), (183, 66511), (196, 66469), (210, 66397), (236, 66265), (240, 66250), (243, 66238), (251, 66211), (254, 66202), (260, 66190), (270, 66157), (279, 66124), (281, 66121), (282, 66115), (283, 66112), (298, 66028), (300, 66022), (314, 65986), (339, 65905), (343, 65875),

Gene: Philly_96 Start: 66810, Stop: 65698, Start Num: 67

Candidate Starts for Philly_96:

(24, 66930), (Start: 34 @66900 has 6 MA's), (Start: 67 @66810 has 17 MA's), (Start: 79 @66756 has 157 MA's), (Start: 91 @66726 has 4 MA's), (104, 66642), (112, 66609), (140, 66537), (158, 66465), (174, 66384), (178, 66339), (180, 66333), (182, 66327), (183, 66315), (193, 66279), (213, 66177), (219, 66159), (228, 66114), (242, 66042), (245, 66027), (256, 66000), (260, 65991), (275, 65934), (295, 65850), (298, 65826), (309, 65796),

Gene: PhillyJawn_51 Start: 30818, Stop: 31870, Start Num: 70

Candidate Starts for PhillyJawn_51:

(Start: 70 @30818 has 10 MA's), (Start: 79 @30860 has 157 MA's), (104, 30956), (113, 31004), (152, 31094), (180, 31253), (182, 31259), (184, 31274), (206, 31355), (242, 31529), (276, 31637), (305, 31757), (316, 31799), (337, 31859),

Gene: Phingu_53 Start: 31043, Stop: 32095, Start Num: 70

Candidate Starts for Phingu_53:

(Start: 70 @31043 has 10 MA's), (Start: 79 @31085 has 157 MA's), (104, 31181), (113, 31229), (152, 31319), (180, 31478), (182, 31484), (184, 31499), (200, 31541), (205, 31577), (206, 31580), (242, 31754), (276, 31862), (305, 31982), (316, 32024), (337, 32084),

Gene: Phlyer_97 Start: 67618, Stop: 66560, Start Num: 79

Candidate Starts for Phlyer_97:

(24, 67792), (Start: 34 @67762 has 6 MA's), (Start: 67 @67672 has 17 MA's), (Start: 79 @67618 has 157 MA's), (Start: 91 @67588 has 4 MA's), (104, 67504), (112, 67471), (140, 67399), (158, 67327), (174, 67246), (178, 67201), (180, 67195), (182, 67189), (183, 67177), (193, 67141), (213, 67039), (219, 67021), (228, 66976), (242, 66904), (245, 66889), (256, 66862), (260, 66853), (275, 66796), (295, 66712), (298, 66688), (309, 66658),

Gene: Phonegingi_50 Start: 30903, Stop: 31913, Start Num: 79

Candidate Starts for Phonegingi_50:

(Start: 79 @30903 has 157 MA's), (104, 30999), (113, 31047), (152, 31137), (180, 31296), (182, 31302), (200, 31359), (206, 31398), (242, 31572), (276, 31680), (305, 31800), (316, 31842), (337, 31902),

Gene: Phracted_18 Start: 12530, Stop: 11526, Start Num: 85

Candidate Starts for Phracted_18:

(Start: 85 @12530 has 37 MA's), (113, 12401), (151, 12305), (163, 12236), (165, 12227), (177, 12152), (210, 12014), (228, 11921), (242, 11849), (245, 11834), (251, 11819), (256, 11807), (265, 11789), (273, 11744), (306, 11612), (316, 11573), (325, 11531),

Gene: Phrampa_167 Start: 117794, Stop: 118768, Start Num: 79

Candidate Starts for Phrampa_167:

(Start: 79 @117794 has 157 MA's), (93, 117836), (178, 118175), (198, 118238), (217, 118334), (243, 118460), (276, 118544), (281, 118556), (288, 118589), (327, 118760),

Gene: Phredrick_223 Start: 106600, Stop: 107622, Start Num: 81

Candidate Starts for Phredrick_223:

(Start: 81 @106600 has 135 MA's), (Start: 91 @106630 has 4 MA's), (107, 106711), (112, 106729), (121, 106771), (134, 106807), (181, 106987), (198, 107050), (203, 107083), (206, 107095), (207, 107098), (209, 107110), (212, 107128), (224, 107185), (240, 107260), (245, 107284), (257, 107314), (276, 107377), (324, 107599), (333, 107614),

Gene: PhriedRice_18 Start: 12541, Stop: 11537, Start Num: 85

Candidate Starts for PhriedRice_18:

(Start: 85 @12541 has 37 MA's), (113, 12412), (151, 12316), (163, 12247), (165, 12238), (177, 12163), (210, 12025), (228, 11932), (242, 11860), (245, 11845), (251, 11830), (256, 11818), (265, 11800), (273, 11755), (306, 11623), (316, 11584), (325, 11542),

Gene: Piccoletto_73 Start: 49488, Stop: 48421, Start Num: 72

Candidate Starts for Piccoletto_73:

(Start: 72 @49488 has 2 MA's), (Start: 89 @49425 has 21 MA's), (128, 49266), (137, 49245), (144, 49227), (153, 49182), (156, 49173), (160, 49146), (175, 49062), (177, 49044), (178, 49038), (180, 49032), (183, 49014), (209, 48915), (215, 48885), (242, 48756), (246, 48741), (301, 48534), (315, 48489), (331, 48435),

Gene: Pickles13_49 Start: 31137, Stop: 32189, Start Num: 70

Candidate Starts for Pickles13_49:

(39, 31050), (Start: 70 @31137 has 10 MA's), (Start: 79 @31179 has 157 MA's), (104, 31275), (113, 31323), (152, 31413), (180, 31572), (182, 31578), (184, 31593), (200, 31635), (206, 31674), (242, 31848), (276, 31956), (305, 32076), (316, 32118), (337, 32178),

Gene: PinkiePie_3 Start: 2417, Stop: 1404, Start Num: 81

Candidate Starts for PinkiePie_3:

(35, 2567), (46, 2531), (Start: 53 @2510 has 4 MA's), (61, 2492), (Start: 81 @2417 has 135 MA's), (101, 2336), (107, 2306), (121, 2246), (128, 2216), (133, 2201), (134, 2198), (159, 2150), (176, 2039), (193, 1985), (202, 1940), (210, 1904), (218, 1865), (223, 1847), (228, 1817), (272, 1658), (281, 1625), (292, 1565), (299, 1517), (308, 1499), (316, 1460),

Gene: PinkiePie_253 Start: 123938, Stop: 122925, Start Num: 81

Candidate Starts for PinkiePie_253:

(35, 124088), (46, 124052), (Start: 53 @124031 has 4 MA's), (61, 124013), (Start: 81 @123938 has 135 MA's), (101, 123857), (107, 123827), (121, 123767), (128, 123737), (133, 123722), (134, 123719), (159, 123671), (176, 123560), (193, 123506), (202, 123461), (210, 123425), (218, 123386), (223, 123368), (228, 123338), (272, 123179), (281, 123146), (292, 123086), (299, 123038), (308, 123020), (316, 122981),

Gene: Pipefish_96 Start: 67436, Stop: 66234, Start Num: 34

Candidate Starts for Pipefish_96:

(24, 67466), (Start: 34 @67436 has 6 MA's), (Start: 67 @67346 has 17 MA's), (Start: 79 @67292 has 157 MA's), (Start: 91 @67262 has 4 MA's), (104, 67178), (112, 67145), (140, 67073), (158, 67001), (174, 66920), (178, 66875), (180, 66869), (182, 66863), (183, 66851), (193, 66815), (213, 66713), (219, 66695), (228, 66650), (242, 66578), (245, 66563), (256, 66536), (260, 66527), (275, 66470), (295, 66386), (298, 66362), (309, 66332),

Gene: Pippa_77 Start: 50604, Stop: 49609, Start Num: 89

Candidate Starts for Pippa_77:

(Start: 89 @50604 has 21 MA's), (102, 50541), (108, 50511), (128, 50448), (136, 50430), (175, 50250), (178, 50226), (180, 50220), (183, 50202), (184, 50199), (204, 50124), (215, 50073), (242, 49944), (246, 49929), (260, 49893), (271, 49860), (315, 49677),

Gene: Poster_90 Start: 67688, Stop: 66642, Start Num: 79

Candidate Starts for Poster_90:

(Start: 79 @67688 has 157 MA's), (95, 67634), (96, 67616), (104, 67574), (112, 67541), (113, 67526), (116, 67517), (126, 67499), (144, 67460), (147, 67445), (158, 67397), (170, 67334), (180, 67265), (182, 67259), (183, 67247), (208, 67139), (210, 67130), (213, 67109), (230, 67037), (245, 66959), (249, 66950), (251, 66944), (254, 66935), (266, 66914), (279, 66857), (289, 66827), (295, 66785), (304, 66755), (317, 66701), (321, 66680), (335, 66647),

Gene: Prairie_72 Start: 45989, Stop: 44991, Start Num: 90

Candidate Starts for Prairie_72:

(22, 46193), (74, 46037), (Start: 90 @45989 has 7 MA's), (104, 45920), (108, 45902), (175, 45644), (177, 45626), (178, 45620), (242, 45338), (254, 45299), (256, 45296),

Gene: Prince_92 Start: 68894, Stop: 67836, Start Num: 79

Candidate Starts for Prince_92:

(Start: 79 @68894 has 157 MA's), (104, 68780), (105, 68774), (112, 68747), (113, 68732), (116, 68723), (126, 68705), (144, 68666), (149, 68648), (158, 68603), (170, 68540), (180, 68471), (183, 68453), (188, 68435), (192, 68423), (193, 68417), (208, 68345), (210, 68336), (213, 68315), (238, 68198), (240, 68189), (245, 68165), (249, 68156), (254, 68141), (266, 68120), (279, 68063), (289, 68033), (295, 67991), (297, 67970), (317, 67895), (321, 67874), (332, 67847), (335, 67841),

Gene: PrinceCharming_85 Start: 64835, Stop: 63765, Start Num: 79

Candidate Starts for PrinceCharming_85:

(Start: 79 @64835 has 157 MA's), (Start: 91 @64805 has 4 MA's), (104, 64739), (106, 64730), (112, 64706), (116, 64682), (124, 64658), (180, 64403), (182, 64397), (183, 64385), (193, 64352), (199, 64331), (209, 64274), (210, 64271), (219, 64232), (221, 64223), (226, 64193), (230, 64178), (234, 64160), (237, 64136), (242, 64115), (251, 64085), (260, 64064), (279, 63998), (281, 63995), (289, 63968), (290, 63962), (305, 63887), (311, 63851),

Gene: PumpkinSpice_3 Start: 2651, Stop: 1611, Start Num: 71

Candidate Starts for PumpkinSpice_3:

(Start: 71 @2651 has 21 MA's), (Start: 81 @2606 has 135 MA's), (107, 2495), (113, 2462), (123, 2429), (131, 2417), (134, 2408), (159, 2360), (161, 2342), (162, 2339), (193, 2195), (196, 2186), (203, 2144), (210, 2114), (218, 2075), (223, 2057), (228, 2027), (240, 1964), (281, 1832), (292, 1772), (299, 1724), (316, 1667), (324, 1631),

Gene: PumpkinSpice_267 Start: 122543, Stop: 121503, Start Num: 71

Candidate Starts for PumpkinSpice_267:

(Start: 71 @122543 has 21 MA's), (Start: 81 @122498 has 135 MA's), (107, 122387), (113, 122354), (123, 122321), (131, 122309), (134, 122300), (159, 122252), (161, 122234), (162, 122231), (193, 122087), (196, 122078), (203, 122036), (210, 122006), (218, 121967), (223, 121949), (228, 121919), (240, 121856), (281, 121724), (292, 121664), (299, 121616), (316, 121559), (324, 121523),

Gene: Purplicious_1 Start: 1, Stop: 1032, Start Num: 79

Candidate Starts for Purplicious_1:

(Start: 79 @1 has 157 MA's), (104, 97), (135, 199), (161, 307), (177, 406), (180, 418), (182, 424), (197, 481), (205, 526), (210, 547), (219, 586), (242, 703), (245, 718), (259, 754), (261, 757),

Gene: Quaran19_3 Start: 2651, Stop: 1611, Start Num: 71

Candidate Starts for Quaran19_3:

(Start: 71 @2651 has 21 MA's), (Start: 81 @2606 has 135 MA's), (107, 2495), (113, 2462), (123, 2429), (131, 2417), (134, 2408), (159, 2360), (161, 2342), (162, 2339), (193, 2195), (196, 2186), (203, 2144), (210, 2114), (218, 2075), (223, 2057), (228, 2027), (240, 1964), (281, 1832), (292, 1772), (299, 1724), (316, 1667), (324, 1631),

Gene: Quaran19_264 Start: 121833, Stop: 120793, Start Num: 71

Candidate Starts for Quaran19_264:

(Start: 71 @121833 has 21 MA's), (Start: 81 @121788 has 135 MA's), (107, 121677), (113, 121644), (123, 121611), (131, 121599), (134, 121590), (159, 121542), (161, 121524), (162, 121521), (193, 121377), (196, 121368), (203, 121326), (210, 121296), (218, 121257), (223, 121239), (228, 121209), (240, 121146), (281, 121014), (292, 120954), (299, 120906), (316, 120849), (324, 120813),

Gene: QueenPie_84 Start: 67179, Stop: 66133, Start Num: 79

Candidate Starts for QueenPie_84:

(Start: 79 @67179 has 157 MA's), (95, 67125), (104, 67065), (112, 67032), (113, 67017), (116, 67008), (118, 66999), (126, 66990), (144, 66951), (147, 66936), (149, 66933), (158, 66888), (170, 66825), (180, 66756), (182, 66750), (183, 66738), (208, 66630), (210, 66621), (213, 66600), (230, 66528), (238, 66483), (245, 66450), (249, 66441), (251, 66435), (254, 66426), (266, 66405), (279, 66348), (289, 66318), (293, 66288), (295, 66276), (304, 66246), (317, 66192), (321, 66171), (335, 66138),

Gene: Quesadilla_91 Start: 67907, Stop: 66864, Start Num: 79

Candidate Starts for Quesadilla_91:

(Start: 79 @67907 has 157 MA's), (84, 67898), (104, 67811), (112, 67778), (113, 67763), (118, 67745), (147, 67697), (178, 67523), (180, 67517), (182, 67511), (183, 67499), (196, 67457), (199, 67445), (205, 67406), (208, 67394), (210, 67385), (221, 67337), (224, 67313), (228, 67301), (240, 67238), (242, 67229), (254, 67190), (260, 67178), (266, 67169), (274, 67130), (276, 67121), (279, 67112), (281, 67109), (283, 67100), (295, 67040), (298, 67016), (300, 67010), (320, 66950), (326, 66923), (338, 66899), (341, 66881),

Gene: Qyrzula_76 Start: 64899, Stop: 63859, Start Num: 91

Candidate Starts for Qyrzula_76:

(Start: 79 @64929 has 157 MA's), (Start: 91 @64899 has 4 MA's), (104, 64833), (106, 64824), (112, 64800), (116, 64776), (124, 64752), (180, 64497), (182, 64491), (183, 64479), (193, 64446), (199, 64425), (209, 64368), (210, 64365), (219, 64326), (221, 64317), (226, 64287), (230, 64272), (234, 64254), (237, 64230), (242, 64209), (251, 64179), (260, 64158), (279, 64092), (281, 64089), (289, 64062), (290, 64056), (305, 63981), (311, 63945),

Gene: Racecar_176 Start: 116640, Stop: 117614, Start Num: 79

Candidate Starts for Racecar_176:

(Start: 79 @116640 has 157 MA's), (93, 116682), (178, 117021), (198, 117084), (205, 117126), (217, 117180), (234, 117258), (281, 117402), (286, 117429), (288, 117435), (319, 117573),

Gene: RagingRooster_97 Start: 66904, Stop: 65846, Start Num: 79

Candidate Starts for RagingRooster_97:

(24, 67078), (Start: 34 @67048 has 6 MA's), (Start: 67 @66958 has 17 MA's), (Start: 79 @66904 has 157 MA's), (Start: 91 @66874 has 4 MA's), (104, 66790), (112, 66757), (140, 66685), (158, 66613), (174, 66532), (178, 66487), (180, 66481), (182, 66475), (183, 66463), (185, 66457), (193, 66427), (213, 66325), (219, 66307), (228, 66262), (242, 66190), (245, 66175), (256, 66148), (260, 66139), (275, 66082), (295, 65998), (298, 65974), (309, 65944),

Gene: Rasputia_140 Start: 86821, Stop: 87828, Start Num: 85

Candidate Starts for Rasputia_140:

(37, 86671), (38, 86674), (Start: 85 @86821 has 37 MA's), (93, 86851), (109, 86932), (111, 86938), (159, 87082), (174, 87163), (184, 87235), (210, 87340), (213, 87361), (241, 87502), (243, 87508), (265, 87565), (281, 87631), (317, 87781),

Gene: RawrgerThat_90 Start: 68392, Stop: 67343, Start Num: 79

Candidate Starts for RawrgerThat_90:

(Start: 79 @68392 has 157 MA's), (95, 68338), (96, 68320), (104, 68278), (105, 68272), (112, 68245), (113, 68230), (140, 68176), (147, 68152), (158, 68104), (159, 68101), (160, 68086), (180, 67972), (183, 67954), (188, 67936), (193, 67918), (213, 67816), (238, 67699), (240, 67690), (245, 67666), (249, 67654), (250, 67651), (254, 67639), (279, 67561), (289, 67531), (293, 67501), (297, 67468), (317, 67402), (321, 67381), (335, 67348),

Gene: Reccee_91 Start: 67386, Stop: 66313, Start Num: 79

Candidate Starts for Reccee_91:

(42, 67500), (Start: 49 @67473 has 1 MA's), (Start: 79 @67386 has 157 MA's), (104, 67290), (112, 67257), (127, 67215), (153, 67134), (178, 66990), (180, 66984), (182, 66978), (199, 66912), (230, 66759), (240, 66705), (251, 66669), (254, 66660), (260, 66648), (266, 66639), (281, 66579), (283, 66570), (298, 66486), (300, 66480), (320, 66417), (338, 66366), (340, 66351), (342, 66333),

Gene: ReginaGlobina_180 Start: 117379, Stop: 118386, Start Num: 79

Candidate Starts for ReginaGlobina_180:

(Start: 79 @117379 has 157 MA's), (93, 117421), (101, 117466), (125, 117553), (166, 117709), (178, 117790), (198, 117853), (213, 117937), (234, 118027), (242, 118072), (243, 118075), (276, 118159), (277, 118165), (281, 118171), (295, 118246),

Gene: Renkei_91 Start: 67770, Stop: 66724, Start Num: 79

Candidate Starts for Renkei_91:

(Start: 79 @67770 has 157 MA's), (95, 67716), (96, 67698), (104, 67656), (112, 67623), (113, 67608), (116, 67599), (126, 67581), (144, 67542), (158, 67479), (170, 67416), (180, 67347), (182, 67341), (183, 67329), (208, 67221), (210, 67212), (213, 67191), (230, 67119), (245, 67041), (249, 67032), (251, 67026), (254, 67017), (266, 66996), (279, 66939), (289, 66909), (295, 66867), (304, 66837), (317, 66783), (321, 66762), (330, 66738), (335, 66729),

Gene: Reprobate_89 Start: 66936, Stop: 65863, Start Num: 79

Candidate Starts for Reprobate_89:

(41, 67062), (45, 67050), (59, 67011), (Start: 79 @66936 has 157 MA's), (104, 66840), (112, 66807), (127, 66765), (137, 66735), (149, 66711), (153, 66684), (180, 66534), (182, 66528), (183, 66516), (196, 66474), (210, 66402), (236, 66270), (240, 66255), (243, 66243), (251, 66216), (254, 66207), (260, 66195), (270, 66162), (279, 66129), (281, 66126), (282, 66120), (283, 66117), (298, 66033), (300, 66027), (314, 65991), (339, 65910), (343, 65880),

Gene: Rhinoforte_85 Start: 64826, Stop: 63756, Start Num: 79

Candidate Starts for Rhinoforte_85:

(Start: 79 @64826 has 157 MA's), (Start: 91 @64796 has 4 MA's), (104, 64730), (106, 64721), (112, 64697), (116, 64673), (124, 64649), (180, 64394), (182, 64388), (183, 64376), (193, 64343), (199, 64322), (209, 64265), (210, 64262), (219, 64223), (221, 64214), (226, 64184), (230, 64169), (234, 64151), (237, 64127), (242, 64106), (251, 64076), (260, 64055), (279, 63989), (281, 63986), (289, 63959), (290, 63953), (305, 63878), (311, 63842),

Gene: Rich_88 Start: 67174, Stop: 66101, Start Num: 79

Candidate Starts for Rich_88:

(42, 67288), (Start: 79 @67174 has 157 MA's), (104, 67078), (112, 67045), (153, 66922), (178, 66778), (180, 66772), (182, 66766), (199, 66700), (236, 66508), (240, 66493), (251, 66457), (254, 66448), (260, 66436), (266, 66427), (281, 66367), (283, 66358), (298, 66274), (300, 66268), (320, 66205), (340, 66139), (342, 66121),

Gene: RicoCaldo_18 Start: 12562, Stop: 11558, Start Num: 85

Candidate Starts for RicoCaldo_18:

(Start: 85 @12562 has 37 MA's), (113, 12433), (151, 12337), (163, 12268), (165, 12259), (177, 12184), (210, 12046), (228, 11953), (242, 11881), (245, 11866), (251, 11851), (256, 11839), (265, 11821), (273, 11776), (306, 11644), (316, 11605), (325, 11563),

Gene: Rikishi_264 Start: 122334, Stop: 121294, Start Num: 71

Candidate Starts for Rikishi_264:

(Start: 71 @122334 has 21 MA's), (Start: 81 @122289 has 135 MA's), (107, 122178), (113, 122145), (123, 122112), (131, 122100), (134, 122091), (159, 122043), (161, 122025), (162, 122022), (193, 121878), (196, 121869), (203, 121827), (210, 121797), (218, 121758), (223, 121740), (228, 121710), (240, 121647), (281, 121515), (292, 121455), (299, 121407), (316, 121350), (324, 121314),

Gene: Rikishi_2 Start: 2261, Stop: 1221, Start Num: 71

Candidate Starts for Rikishi_2:

(Start: 71 @2261 has 21 MA's), (Start: 81 @2216 has 135 MA's), (107, 2105), (113, 2072), (123, 2039), (131, 2027), (134, 2018), (159, 1970), (161, 1952), (162, 1949), (193, 1805), (196, 1796), (203, 1754), (210, 1724), (218, 1685), (223, 1667), (228, 1637), (240, 1574), (281, 1442), (292, 1382), (299, 1334), (316, 1277), (324, 1241),

Gene: Rinkes_87 Start: 68343, Stop: 67258, Start Num: 79

Candidate Starts for Rinkes_87:

(30, 68496), (Start: 79 @68343 has 157 MA's), (104, 68247), (112, 68214), (131, 68133), (133, 68127), (135, 68121), (139, 68109), (142, 68103), (144, 68097), (159, 68031), (167, 67980), (180, 67902), (182, 67896), (185, 67878), (199, 67833), (219, 67734), (221, 67725), (224, 67701), (240, 67626), (248, 67593), (254, 67578), (260, 67566), (266, 67557), (274, 67518), (276, 67509), (279, 67500), (281, 67497), (282, 67491), (283, 67488), (284, 67482), (296, 67416), (298, 67404), (316, 67353),

Gene: Riptide_257 Start: 123758, Stop: 122736, Start Num: 81

Candidate Starts for Riptide_257:

(Start: 81 @123758 has 135 MA's), (101, 123677), (107, 123647), (113, 123614), (117, 123599), (121, 123587), (122, 123581), (133, 123542), (159, 123488), (176, 123377), (177, 123374), (193, 123323), (202, 123278), (210, 123242), (218, 123203), (223, 123185), (228, 123155), (240, 123092), (244, 123074), (272, 122996), (281, 122963), (299, 122855), (308, 122837), (316, 122798),

Gene: Riptide_2 Start: 2306, Stop: 1284, Start Num: 81

Candidate Starts for Riptide_2:

(Start: 81 @2306 has 135 MA's), (101, 2225), (107, 2195), (113, 2162), (117, 2147), (121, 2135), (122, 2129), (133, 2090), (159, 2036), (176, 1925), (177, 1922), (193, 1871), (202, 1826), (210, 1790), (218,

1751), (223, 1733), (228, 1703), (240, 1640), (244, 1622), (272, 1544), (281, 1511), (299, 1403), (308, 1385), (316, 1346),

Gene: Rita130_89 Start: 67088, Stop: 66015, Start Num: 79

Candidate Starts for Rita130_89:

(Start: 79 @67088 has 157 MA's), (104, 66992), (112, 66959), (127, 66917), (153, 66836), (180, 66686), (182, 66680), (199, 66614), (230, 66461), (236, 66422), (240, 66407), (251, 66371), (254, 66362), (260, 66350), (266, 66341), (281, 66281), (283, 66272), (298, 66188), (300, 66182), (320, 66119), (340, 66053), (342, 66035),

Gene: Rita1961_98 Start: 67249, Stop: 66191, Start Num: 79

Candidate Starts for Rita1961_98:

(24, 67423), (Start: 34 @67393 has 6 MA's), (Start: 67 @67303 has 17 MA's), (Start: 79 @67249 has 157 MA's), (Start: 91 @67219 has 4 MA's), (104, 67135), (112, 67102), (140, 67030), (158, 66958), (174, 66877), (178, 66832), (180, 66826), (182, 66820), (183, 66808), (193, 66772), (213, 66670), (219, 66652), (228, 66607), (242, 66535), (245, 66520), (256, 66493), (260, 66484), (275, 66427), (295, 66343), (298, 66319), (309, 66289),

Gene: Rockabye_179 Start: 108727, Stop: 109707, Start Num: 79

Candidate Starts for Rockabye_179:

(Start: 79 @108727 has 157 MA's), (93, 108769), (178, 109105), (184, 109132), (198, 109168), (212, 109246), (234, 109342), (243, 109390), (276, 109474), (281, 109486), (288, 109519), (323, 109687),

Gene: RomaT_97 Start: 67526, Stop: 66414, Start Num: 67

Candidate Starts for RomaT_97:

(24, 67646), (Start: 34 @67616 has 6 MA's), (Start: 67 @67526 has 17 MA's), (Start: 79 @67472 has 157 MA's), (Start: 91 @67442 has 4 MA's), (104, 67358), (112, 67325), (140, 67253), (158, 67181), (174, 67100), (178, 67055), (180, 67049), (182, 67043), (183, 67031), (193, 66995), (213, 66893), (219, 66875), (228, 66830), (242, 66758), (245, 66743), (256, 66716), (260, 66707), (275, 66650), (295, 66566), (298, 66542), (309, 66512),

Gene: Rosebush_83 Start: 64898, Stop: 63828, Start Num: 79

Candidate Starts for Rosebush_83:

(Start: 79 @64898 has 157 MA's), (Start: 91 @64868 has 4 MA's), (104, 64802), (106, 64793), (112, 64769), (116, 64745), (124, 64721), (180, 64466), (182, 64460), (183, 64448), (193, 64415), (199, 64394), (209, 64337), (210, 64334), (219, 64295), (221, 64286), (226, 64256), (230, 64241), (237, 64199), (242, 64178), (251, 64148), (260, 64127), (279, 64061), (281, 64058), (289, 64031), (290, 64025), (305, 63950), (311, 63914),

Gene: SJReid_179 Start: 106944, Stop: 107924, Start Num: 79

Candidate Starts for SJReid_179:

(Start: 79 @106944 has 157 MA's), (93, 106986), (178, 107322), (184, 107349), (198, 107385), (212, 107463), (234, 107559), (242, 107604), (243, 107607), (256, 107646), (260, 107655), (276, 107691), (281, 107703), (288, 107736), (323, 107904), (325, 107910),

Gene: Sabella_85 Start: 64734, Stop: 63664, Start Num: 79

Candidate Starts for Sabella_85:

(Start: 79 @64734 has 157 MA's), (Start: 91 @64704 has 4 MA's), (104, 64638), (106, 64629), (112, 64605), (116, 64581), (124, 64557), (180, 64302), (182, 64296), (183, 64284), (193, 64251), (199, 64230), (209, 64173), (210, 64170), (219, 64131), (221, 64122), (226, 64092), (230, 64077), (234, 64059), (237, 64035), (242, 64014), (251, 63984), (260, 63963), (279, 63897), (281, 63894), (289, 63867), (290, 63861), (305, 63786), (311, 63750),

Gene: Saguaro_84 Start: 66210, Stop: 65080, Start Num: 49

Candidate Starts for Saguaro_84:

(Start: 49 @66210 has 1 MA's), (64, 66177), (Start: 79 @66126 has 157 MA's), (104, 66030), (112, 65997), (113, 65982), (127, 65955), (135, 65931), (147, 65916), (151, 65910), (158, 65868), (178, 65742), (180, 65736), (182, 65730), (191, 65691), (196, 65676), (205, 65625), (208, 65613), (210, 65604), (224, 65532), (228, 65520), (230, 65511), (240, 65457), (251, 65418), (254, 65409), (260, 65397), (266, 65388), (274, 65349), (276, 65340), (279, 65331), (281, 65328), (283, 65319), (298, 65235), (300, 65229), (310, 65211), (314, 65193), (316, 65184), (326, 65142),

Gene: SaltySpittoon_3 Start: 2606, Stop: 1611, Start Num: 81

Candidate Starts for SaltySpittoon_3:

(Start: 71 @2651 has 21 MA's), (Start: 81 @2606 has 135 MA's), (107, 2495), (113, 2462), (123, 2429), (131, 2417), (134, 2408), (159, 2360), (161, 2342), (162, 2339), (193, 2195), (196, 2186), (203, 2144), (210, 2114), (218, 2075), (223, 2057), (228, 2027), (240, 1964), (281, 1832), (292, 1772), (299, 1724), (316, 1667), (324, 1631),

Gene: SaltySpittoon_263 Start: 120870, Stop: 119875, Start Num: 81

Candidate Starts for SaltySpittoon_263:

(Start: 71 @120915 has 21 MA's), (Start: 81 @120870 has 135 MA's), (107, 120759), (113, 120726), (123, 120693), (131, 120681), (134, 120672), (159, 120624), (161, 120606), (162, 120603), (193, 120459), (196, 120450), (203, 120408), (210, 120378), (218, 120339), (223, 120321), (228, 120291), (240, 120228), (281, 120096), (292, 120036), (299, 119988), (316, 119931), (324, 119895),

Gene: Samisti12_2 Start: 2223, Stop: 1210, Start Num: 81

Candidate Starts for Samisti12_2:

(Start: 81 @2223 has 135 MA's), (107, 2112), (121, 2052), (123, 2043), (128, 2022), (133, 2007), (159, 1956), (176, 1845), (193, 1791), (210, 1710), (218, 1671), (223, 1653), (228, 1623), (240, 1560), (269, 1476), (272, 1464), (281, 1431), (292, 1371), (299, 1323), (308, 1305), (316, 1266),

Gene: Samisti12_253 Start: 125267, Stop: 124254, Start Num: 81

Candidate Starts for Samisti12_253:

(Start: 81 @125267 has 135 MA's), (107, 125156), (121, 125096), (123, 125087), (128, 125066), (133, 125051), (159, 125000), (176, 124889), (193, 124835), (210, 124754), (218, 124715), (223, 124697), (228, 124667), (240, 124604), (269, 124520), (272, 124508), (281, 124475), (292, 124415), (299, 124367), (308, 124349), (316, 124310),

Gene: Scheme_256 Start: 125574, Stop: 124561, Start Num: 81

Candidate Starts for Scheme_256:

(Start: 36 @125721 has 4 MA's), (Start: 53 @125667 has 4 MA's), (61, 125649), (Start: 81 @125574 has 135 MA's), (107, 125463), (121, 125403), (123, 125394), (128, 125373), (133, 125358), (159, 125307), (176, 125196), (193, 125142), (210, 125061), (218, 125022), (223, 125004), (228, 124974), (240, 124911), (269, 124827), (272, 124815), (281, 124782), (292, 124722), (299, 124674), (308, 124656), (316, 124617),

Gene: Scheme_3 Start: 2379, Stop: 1366, Start Num: 81

Candidate Starts for Scheme_3:

(Start: 36 @2526 has 4 MA's), (Start: 53 @2472 has 4 MA's), (61, 2454), (Start: 81 @2379 has 135 MA's), (107, 2268), (121, 2208), (123, 2199), (128, 2178), (133, 2163), (159, 2112), (176, 2001), (193, 1947), (210, 1866), (218, 1827), (223, 1809), (228, 1779), (240, 1716), (269, 1632), (272, 1620), (281, 1587), (292, 1527), (299, 1479), (308, 1461), (316, 1422),

Gene: ScoobySnack_47 Start: 30666, Stop: 31676, Start Num: 79

Candidate Starts for ScoobySnack_47:

(Start: 70 @30624 has 10 MA's), (Start: 79 @30666 has 157 MA's), (104, 30762), (113, 30810), (152, 30900), (180, 31059), (182, 31065), (183, 31077), (184, 31080), (205, 31158), (206, 31161), (242, 31335), (291, 31491), (305, 31563), (316, 31605), (337, 31665),

Gene: Serendipitous_91 Start: 67097, Stop: 66021, Start Num: 79

Candidate Starts for Serendipitous_91:

(Start: 79 @67097 has 157 MA's), (104, 67001), (112, 66968), (153, 66845), (178, 66701), (180, 66695), (182, 66689), (199, 66623), (210, 66563), (230, 66470), (234, 66452), (236, 66431), (240, 66416), (242, 66407), (251, 66377), (254, 66368), (260, 66356), (281, 66287), (283, 66278), (298, 66194), (300, 66188), (340, 66062), (342, 66044),

Gene: SeresaTree_219 Start: 108748, Stop: 109758, Start Num: 81

Candidate Starts for SeresaTree_219:

(Start: 81 @108748 has 135 MA's), (Start: 91 @108778 has 4 MA's), (101, 108829), (107, 108859), (115, 108898), (142, 108967), (212, 109264), (231, 109348), (240, 109396), (245, 109420), (247, 109426), (274, 109504), (282, 109531), (314, 109690), (321, 109723), (322, 109726), (325, 109738),

Gene: Shade_76 Start: 50360, Stop: 49365, Start Num: 89

Candidate Starts for Shade_76:

(Start: 89 @50360 has 21 MA's), (108, 50267), (128, 50204), (136, 50186), (175, 50006), (178, 49982), (180, 49976), (183, 49958), (184, 49955), (204, 49880), (215, 49829), (242, 49700), (246, 49685), (260, 49649), (271, 49616), (315, 49433),

Gene: Sham_210 Start: 109632, Stop: 110651, Start Num: 81

Candidate Starts for Sham_210:

(Start: 81 @109632 has 135 MA's), (Start: 91 @109662 has 4 MA's), (107, 109749), (115, 109788), (130, 109827), (142, 109860), (198, 110079), (207, 110127), (213, 110163), (215, 110169), (240, 110289), (245, 110313), (247, 110319), (249, 110322), (281, 110418), (287, 110448), (313, 110577), (321, 110616), (322, 110619), (325, 110631),

Gene: Shatter_80 Start: 59316, Stop: 58309, Start Num: 79

Candidate Starts for Shatter_80:

(Start: 79 @59316 has 157 MA's), (104, 59220), (112, 59187), (113, 59172), (134, 59121), (147, 59106), (178, 58932), (180, 58926), (183, 58908), (199, 58854), (206, 58812), (208, 58803), (213, 58773), (224, 58722), (274, 58539), (279, 58521), (281, 58518), (290, 58485), (295, 58449), (328, 58326),

Gene: Shenandoah_97 Start: 66824, Stop: 65766, Start Num: 79

Candidate Starts for Shenandoah_97:

(24, 66998), (Start: 34 @66968 has 6 MA's), (Start: 67 @66878 has 17 MA's), (Start: 79 @66824 has 157 MA's), (Start: 91 @66794 has 4 MA's), (104, 66710), (112, 66677), (140, 66605), (158, 66533), (174, 66452), (178, 66407), (180, 66401), (182, 66395), (183, 66383), (185, 66377), (193, 66347), (213, 66245), (219, 66227), (228, 66182), (242, 66110), (245, 66095), (256, 66068), (260, 66059), (275, 66002), (295, 65918), (298, 65894), (309, 65864),

Gene: Shenyu_91 Start: 67503, Stop: 66430, Start Num: 79

Candidate Starts for Shenyu_91:

(13, 67812), (22, 67698), (29, 67656), (Start: 79 @67503 has 157 MA's), (104, 67407), (112, 67374), (127, 67332), (152, 67260), (153, 67251), (178, 67107), (180, 67101), (182, 67095), (199, 67029), (210, 66969), (230, 66876), (232, 66867), (236, 66837), (240, 66822), (251, 66783), (254, 66774), (260, 66762), (281, 66693), (282, 66687), (283, 66684), (298, 66600), (300, 66594), (314, 66555), (340, 66465), (341, 66462), (342, 66447),

Gene: Shuckle_2 Start: 2247, Stop: 1234, Start Num: 81

Candidate Starts for Shuckle_2:

(Start: 36 @2394 has 4 MA's), (Start: 53 @2340 has 4 MA's), (61, 2322), (Start: 81 @2247 has 135 MA's), (101, 2166), (107, 2136), (122, 2070), (128, 2046), (133, 2031), (159, 1980), (176, 1869), (193, 1815), (210, 1734), (218, 1695), (223, 1677), (228, 1647), (240, 1584), (244, 1566), (272, 1488), (281, 1455), (299, 1347), (308, 1329), (316, 1290),

Gene: Shuckle_250 Start: 124880, Stop: 123867, Start Num: 81

Candidate Starts for Shuckle_250:

(Start: 36 @125027 has 4 MA's), (Start: 53 @124973 has 4 MA's), (61, 124955), (Start: 81 @124880 has 135 MA's), (101, 124799), (107, 124769), (122, 124703), (128, 124679), (133, 124664), (159, 124613), (176, 124502), (193, 124448), (210, 124367), (218, 124328), (223, 124310), (228, 124280), (240, 124217), (244, 124199), (272, 124121), (281, 124088), (299, 123980), (308, 123962), (316, 123923),

Gene: ShyRosie_17 Start: 12296, Stop: 11307, Start Num: 85

Candidate Starts for ShyRosie_17:

(Start: 85 @12296 has 37 MA's), (110, 12182), (113, 12167), (158, 12053), (163, 12014), (165, 12005), (179, 11921), (210, 11792), (228, 11699), (245, 11612), (283, 11492), (297, 11414), (312, 11372), (316, 11354), (321, 11327),

Gene: Sicarius2_78 Start: 48605, Stop: 47610, Start Num: 89

Candidate Starts for Sicarius2_78:

(Start: 89 @48605 has 21 MA's), (108, 48512), (125, 48458), (128, 48449), (136, 48431), (175, 48251), (180, 48221), (183, 48203), (206, 48119), (208, 48110), (215, 48074), (223, 48047), (260, 47894), (271, 47861), (315, 47678),

Gene: SirJeffery_88 Start: 67154, Stop: 65760, Start Num: 79

Candidate Starts for SirJeffery_88:

(40, 67277), (41, 67271), (Start: 79 @67154 has 157 MA's), (104, 67058), (112, 67025), (127, 66983), (153, 66902), (180, 66752), (182, 66746), (199, 66680), (230, 66527), (240, 66473), (251, 66437), (254, 66428), (260, 66416), (266, 66407), (281, 66347), (283, 66338), (298, 66254), (300, 66248), (320, 66185), (338, 66134), (340, 66119), (344, 66083), (345, 66062), (346, 65954), (347, 65915), (348, 65804), (349, 65783),

Gene: Sisko_78 Start: 59761, Stop: 58751, Start Num: 79

Candidate Starts for Sisko_78:

(Start: 33 @59902 has 1 MA's), (54, 59839), (Start: 79 @59761 has 157 MA's), (104, 59665), (112, 59632), (126, 59590), (151, 59548), (178, 59380), (180, 59374), (182, 59368), (196, 59311), (208, 59248), (213, 59218), (221, 59191), (234, 59128), (240, 59092), (251, 59053), (281, 58963), (295, 58894), (298, 58870), (300, 58864), (330, 58771),

Gene: SlippinJimmy_100 Start: 68272, Stop: 67214, Start Num: 79

Candidate Starts for SlippinJimmy_100:

(24, 68446), (Start: 34 @68416 has 6 MA's), (Start: 67 @68326 has 17 MA's), (Start: 79 @68272 has 157 MA's), (Start: 91 @68242 has 4 MA's), (104, 68158), (112, 68125), (140, 68053), (158, 67981), (174, 67900), (178, 67855), (180, 67849), (182, 67843), (183, 67831), (185, 67825), (193, 67795), (213, 67693), (219, 67675), (228, 67630), (242, 67558), (245, 67543), (256, 67516), (260, 67507), (275, 67450), (295, 67366), (298, 67342), (309, 67312),

Gene: SoilSleuth_17 Start: 12338, Stop: 11307, Start Num: 85

Candidate Starts for SoilSleuth_17:

(Start: 85 @12338 has 37 MA's), (110, 12224), (113, 12209), (158, 12053), (163, 12014), (165, 12005), (175, 11948), (179, 11921), (210, 11792), (228, 11699), (245, 11612), (283, 11492), (297, 11414), (312, 11372), (316, 11354), (321, 11327),

Gene: Sollertia_260 Start: 121518, Stop: 120517, Start Num: 81

Candidate Starts for Sollertia_260:

(62, 121584), (65, 121575), (Start: 81 @121518 has 135 MA's), (107, 121407), (134, 121320), (183, 121128), (193, 121107), (196, 121098), (203, 121056), (210, 121026), (218, 120987), (223, 120969), (228, 120939), (240, 120876), (281, 120744), (292, 120684), (299, 120636), (308, 120618), (316, 120579),

Gene: Sollertia_4 Start: 2628, Stop: 1627, Start Num: 81

Candidate Starts for Sollertia_4:

(62, 2694), (65, 2685), (Start: 81 @2628 has 135 MA's), (107, 2517), (134, 2430), (183, 2238), (193, 2217), (196, 2208), (203, 2166), (210, 2136), (218, 2097), (223, 2079), (228, 2049), (240, 1986), (281, 1854), (292, 1794), (299, 1746), (308, 1728), (316, 1689),

Gene: Sonali_94 Start: 58994, Stop: 57999, Start Num: 91

Candidate Starts for Sonali_94:

(Start: 91 @58994 has 4 MA's), (104, 58898), (108, 58880), (117, 58835), (118, 58832), (177, 58613), (180, 58601), (183, 58583), (184, 58580), (228, 58397), (242, 58325), (260, 58274), (273, 58223), (281, 58199), (282, 58193), (295, 58130), (296, 58118),

Gene: Sonny_76 Start: 50316, Stop: 49321, Start Num: 89

Candidate Starts for Sonny_76:

(Start: 89 @50316 has 21 MA's), (108, 50223), (128, 50160), (136, 50142), (168, 50007), (175, 49962), (178, 49938), (180, 49932), (183, 49914), (184, 49911), (204, 49836), (215, 49785), (242, 49656), (246, 49641), (260, 49605), (271, 49572), (315, 49389),

Gene: Soos_1 Start: 1, Stop: 1032, Start Num: 79

Candidate Starts for Soos_1:

(Start: 79 @1 has 157 MA's), (104, 97), (135, 199), (177, 406), (180, 418), (182, 424), (197, 481), (205, 526), (210, 547), (219, 586), (242, 703), (245, 718), (259, 754), (261, 757),

Gene: Sour_74 Start: 59508, Stop: 58498, Start Num: 79

Candidate Starts for Sour_74:

(Start: 79 @59508 has 157 MA's), (104, 59412), (112, 59379), (158, 59253), (159, 59250), (180, 59121), (182, 59115), (183, 59103), (196, 59058), (208, 58995), (210, 58986), (213, 58965), (230, 58893), (234, 58875), (240, 58839), (251, 58800), (279, 58713), (281, 58710), (289, 58683), (298, 58617),

Gene: SparkleGoddess_218 Start: 108469, Stop: 109491, Start Num: 80

Candidate Starts for SparkleGoddess_218:

(Start: 80 @108469 has 9 MA's), (Start: 91 @108499 has 4 MA's), (107, 108580), (112, 108598), (121, 108640), (128, 108658), (134, 108676), (181, 108856), (198, 108919), (203, 108952), (206, 108964), (207, 108967), (209, 108979), (224, 109054), (240, 109129), (245, 109153), (257, 109183), (276, 109246), (324, 109465),

Gene: Spelly_3 Start: 2651, Stop: 1611, Start Num: 71

Candidate Starts for Spelly_3:

(Start: 71 @2651 has 21 MA's), (Start: 81 @2606 has 135 MA's), (107, 2495), (113, 2462), (123, 2429), (131, 2417), (134, 2408), (159, 2360), (161, 2342), (162, 2339), (193, 2195), (196, 2186), (203, 2144), (210, 2114), (218, 2075), (223, 2057), (228, 2027), (240, 1964), (281, 1832), (292, 1772), (299, 1724),

(316, 1667), (324, 1631),

Gene: Spelly_269 Start: 121455, Stop: 120415, Start Num: 71

Candidate Starts for Spelly_269:

(Start: 71 @121455 has 21 MA's), (Start: 81 @121410 has 135 MA's), (107, 121299), (113, 121266), (123, 121233), (131, 121221), (134, 121212), (159, 121164), (161, 121146), (162, 121143), (193, 120999), (196, 120990), (203, 120948), (210, 120918), (218, 120879), (223, 120861), (228, 120831), (240, 120768), (281, 120636), (292, 120576), (299, 120528), (316, 120471), (324, 120435),

Gene: Spilled_2 Start: 2261, Stop: 1221, Start Num: 71

Candidate Starts for Spilled_2:

(Start: 71 @2261 has 21 MA's), (Start: 81 @2216 has 135 MA's), (107, 2105), (113, 2072), (123, 2039), (131, 2027), (134, 2018), (159, 1970), (161, 1952), (162, 1949), (193, 1805), (196, 1796), (203, 1754), (210, 1724), (218, 1685), (223, 1667), (228, 1637), (240, 1574), (281, 1442), (292, 1382), (299, 1334), (316, 1277), (324, 1241),

Gene: Spilled_270 Start: 122730, Stop: 121690, Start Num: 71

Candidate Starts for Spilled_270:

(Start: 71 @122730 has 21 MA's), (Start: 81 @122685 has 135 MA's), (107, 122574), (113, 122541), (123, 122508), (131, 122496), (134, 122487), (159, 122439), (161, 122421), (162, 122418), (193, 122274), (196, 122265), (203, 122223), (210, 122193), (218, 122154), (223, 122136), (228, 122106), (240, 122043), (281, 121911), (292, 121851), (299, 121803), (316, 121746), (324, 121710),

Gene: Squillium_255 Start: 123941, Stop: 122928, Start Num: 81

Candidate Starts for Squillium_255:

(35, 124091), (46, 124055), (Start: 53 @124034 has 4 MA's), (61, 124016), (Start: 81 @123941 has 135 MA's), (101, 123860), (107, 123830), (121, 123770), (128, 123740), (133, 123725), (134, 123722), (159, 123674), (176, 123563), (193, 123509), (202, 123464), (210, 123428), (218, 123389), (223, 123371), (228, 123341), (272, 123182), (281, 123149), (292, 123089), (299, 123041), (308, 123023), (316, 122984),

Gene: Squillium_3 Start: 2417, Stop: 1404, Start Num: 81

Candidate Starts for Squillium_3:

(35, 2567), (46, 2531), (Start: 53 @2510 has 4 MA's), (61, 2492), (Start: 81 @2417 has 135 MA's), (101, 2336), (107, 2306), (121, 2246), (128, 2216), (133, 2201), (134, 2198), (159, 2150), (176, 2039), (193, 1985), (202, 1940), (210, 1904), (218, 1865), (223, 1847), (228, 1817), (272, 1658), (281, 1625), (292, 1565), (299, 1517), (308, 1499), (316, 1460),

Gene: StAugustine_152 Start: 88734, Stop: 87598, Start Num: 52

Candidate Starts for StAugustine_152:

(Start: 52 @88734 has 2 MA's), (104, 88548), (112, 88515), (113, 88500), (149, 88419), (159, 88371), (171, 88305), (180, 88242), (228, 88023), (232, 88005), (239, 87963), (240, 87960), (262, 87894), (275, 87843), (279, 87831), (282, 87822), (289, 87801), (298, 87735), (300, 87729), (303, 87723),

Gene: StagePhright_18 Start: 12530, Stop: 11526, Start Num: 85

Candidate Starts for StagePhright_18:

(Start: 85 @12530 has 37 MA's), (113, 12401), (151, 12305), (163, 12236), (165, 12227), (177, 12152), (210, 12014), (228, 11921), (242, 11849), (245, 11834), (251, 11819), (256, 11807), (265, 11789), (273, 11744), (306, 11612), (316, 11573), (325, 11531),

Gene: Stanimal_4 Start: 2628, Stop: 1627, Start Num: 81

Candidate Starts for Stanimal_4:

(62, 2694), (65, 2685), (Start: 81 @2628 has 135 MA's), (107, 2517), (134, 2430), (183, 2238), (193, 2217), (196, 2208), (203, 2166), (210, 2136), (218, 2097), (223, 2079), (228, 2049), (240, 1986), (281, 1854), (292, 1794), (299, 1746), (308, 1728), (316, 1689),

Gene: Stanimal_259 Start: 121902, Stop: 120901, Start Num: 81

Candidate Starts for Stanimal_259:

(62, 121968), (65, 121959), (Start: 81 @121902 has 135 MA's), (107, 121791), (134, 121704), (183, 121512), (193, 121491), (196, 121482), (203, 121440), (210, 121410), (218, 121371), (223, 121353), (228, 121323), (240, 121260), (281, 121128), (292, 121068), (299, 121020), (308, 121002), (316, 120963),

Gene: StarPlatinum_2 Start: 2355, Stop: 1354, Start Num: 81

Candidate Starts for StarPlatinum_2:

(Start: 33 @2499 has 1 MA's), (46, 2460), (50, 2445), (57, 2430), (65, 2412), (Start: 81 @2355 has 135 MA's), (107, 2244), (134, 2157), (183, 1965), (187, 1959), (196, 1935), (199, 1923), (203, 1893), (210, 1863), (218, 1824), (223, 1806), (228, 1776), (240, 1713), (244, 1695), (254, 1665), (281, 1581), (292, 1521), (299, 1473), (308, 1455),

Gene: StarPlatinum_272 Start: 124042, Stop: 123041, Start Num: 81

Candidate Starts for StarPlatinum_272:

(Start: 33 @124186 has 1 MA's), (46, 124147), (50, 124132), (57, 124117), (65, 124099), (Start: 81 @124042 has 135 MA's), (107, 123931), (134, 123844), (183, 123652), (187, 123646), (196, 123622), (199, 123610), (203, 123580), (210, 123550), (218, 123511), (223, 123493), (228, 123463), (240, 123400), (244, 123382), (254, 123352), (281, 123268), (292, 123208), (299, 123160), (308, 123142),

Gene: Starbow_260 Start: 121454, Stop: 120459, Start Num: 81

Candidate Starts for Starbow_260:

(Start: 71 @121499 has 21 MA's), (Start: 81 @121454 has 135 MA's), (107, 121343), (113, 121310), (123, 121277), (131, 121265), (134, 121256), (159, 121208), (161, 121190), (162, 121187), (193, 121043), (196, 121034), (203, 120992), (210, 120962), (218, 120923), (223, 120905), (228, 120875), (240, 120812), (281, 120680), (292, 120620), (299, 120572), (316, 120515), (324, 120479),

Gene: Starbow_3 Start: 2606, Stop: 1611, Start Num: 81

Candidate Starts for Starbow_3:

(Start: 71 @2651 has 21 MA's), (Start: 81 @2606 has 135 MA's), (107, 2495), (113, 2462), (123, 2429), (131, 2417), (134, 2408), (159, 2360), (161, 2342), (162, 2339), (193, 2195), (196, 2186), (203, 2144), (210, 2114), (218, 2075), (223, 2057), (228, 2027), (240, 1964), (281, 1832), (292, 1772), (299, 1724), (316, 1667), (324, 1631),

Gene: StevieBAY_78 Start: 50960, Stop: 49962, Start Num: 89

Candidate Starts for StevieBAY_78:

(Start: 86 @50966 has 2 MA's), (Start: 89 @50960 has 21 MA's), (108, 50864), (128, 50801), (136, 50783), (175, 50603), (178, 50579), (180, 50573), (183, 50555), (184, 50552), (204, 50477), (215, 50426), (246, 50282), (260, 50246), (271, 50213), (315, 50030), (329, 49979),

Gene: Stewart25555_165 Start: 114464, Stop: 115444, Start Num: 79

Candidate Starts for Stewart25555_165:

(Start: 79 @114464 has 157 MA's), (93, 114506), (127, 114632), (166, 114767), (178, 114848), (198, 114911), (213, 114995), (223, 115028), (234, 115085), (242, 115130), (281, 115229), (295, 115304),

Gene: Stigma_217 Start: 108675, Stop: 109697, Start Num: 80

Candidate Starts for Stigma_217:

(Start: 80 @108675 has 9 MA's), (Start: 91 @108705 has 4 MA's), (107, 108786), (112, 108804), (121, 108846), (128, 108864), (134, 108882), (181, 109062), (198, 109125), (203, 109158), (206, 109170), (207, 109173), (209, 109185), (224, 109260), (240, 109335), (245, 109359), (257, 109389), (276, 109452), (324, 109671),

Gene: Stillion_1 Start: 1, Stop: 1032, Start Num: 79

Candidate Starts for Stillion_1:

(Start: 79 @1 has 157 MA's), (104, 97), (135, 199), (161, 307), (177, 406), (180, 418), (182, 424), (197, 481), (205, 526), (210, 547), (219, 586), (242, 703), (245, 718), (259, 754), (261, 757),

Gene: Sting_1 Start: 1, Stop: 1032, Start Num: 79

Candidate Starts for Sting_1:

(Start: 79 @1 has 157 MA's), (104, 97), (135, 199), (161, 307), (177, 406), (180, 418), (182, 424), (197, 481), (204, 523), (205, 526), (210, 547), (219, 586), (242, 703), (245, 718), (259, 754), (261, 757),

Gene: Stinger_89 Start: 67077, Stop: 66025, Start Num: 79

Candidate Starts for Stinger_89:

(Start: 79 @67077 has 157 MA's), (96, 67005), (102, 66975), (104, 66963), (112, 66930), (113, 66915), (116, 66906), (126, 66888), (144, 66843), (147, 66828), (149, 66825), (158, 66780), (170, 66717), (180, 66648), (182, 66642), (183, 66630), (188, 66612), (208, 66522), (210, 66513), (213, 66492), (221, 66465), (230, 66420), (238, 66375), (245, 66342), (249, 66333), (254, 66318), (266, 66297), (279, 66240), (289, 66210), (293, 66180), (295, 66168), (304, 66138), (317, 66084), (321, 66063), (330, 66039), (335, 66030),

Gene: StinkyVeggy_89 Start: 67233, Stop: 66154, Start Num: 79

Candidate Starts for StinkyVeggy_89:

(Start: 79 @67233 has 157 MA's), (104, 67137), (112, 67104), (127, 67062), (153, 66981), (180, 66831), (182, 66825), (199, 66759), (210, 66699), (217, 66666), (230, 66606), (232, 66597), (236, 66567), (240, 66552), (248, 66519), (251, 66513), (254, 66504), (260, 66492), (281, 66423), (282, 66417), (283, 66414), (298, 66330), (300, 66324), (314, 66285), (340, 66195), (341, 66192), (342, 66177),

Gene: Suigeneris_91 Start: 67330, Stop: 66257, Start Num: 79

Candidate Starts for Suigeneris_91:

(29, 67483), (44, 67441), (Start: 79 @67330 has 157 MA's), (104, 67234), (112, 67201), (127, 67159), (153, 67078), (180, 66928), (182, 66922), (199, 66856), (230, 66703), (236, 66664), (240, 66649), (254, 66604), (260, 66592), (266, 66583), (281, 66523), (283, 66514), (298, 66430), (300, 66424), (320, 66361), (340, 66295), (342, 66277),

Gene: Sunshine23_96 Start: 58602, Stop: 57607, Start Num: 91

Candidate Starts for Sunshine23_96:

(Start: 91 @58602 has 4 MA's), (104, 58506), (108, 58488), (117, 58443), (118, 58440), (177, 58221), (178, 58215), (180, 58209), (183, 58191), (184, 58188), (194, 58167), (228, 58005), (242, 57933), (260, 57882), (273, 57831), (281, 57807), (282, 57801), (295, 57738), (296, 57726),

Gene: Sushi23_253 Start: 125067, Stop: 124054, Start Num: 81

Candidate Starts for Sushi23_253:

(Start: 81 @125067 has 135 MA's), (107, 124956), (121, 124896), (123, 124887), (128, 124866), (133, 124851), (159, 124800), (176, 124689), (193, 124635), (210, 124554), (218, 124515), (223, 124497), (228, 124467), (240, 124404), (269, 124320), (272, 124308), (281, 124275), (292, 124215), (299, 124167), (308, 124149), (316, 124110),

Gene: Sushi23_2 Start: 2224, Stop: 1211, Start Num: 81

Candidate Starts for Sushi23_2:

(Start: 81 @2224 has 135 MA's), (107, 2113), (121, 2053), (123, 2044), (128, 2023), (133, 2008), (159, 1957), (176, 1846), (193, 1792), (210, 1711), (218, 1672), (223, 1654), (228, 1624), (240, 1561), (269, 1477), (272, 1465), (281, 1432), (292, 1372), (299, 1324), (308, 1306), (316, 1267),

Gene: SwainyDoc_97 Start: 67338, Stop: 66280, Start Num: 79

Candidate Starts for SwainyDoc_97:

(24, 67512), (Start: 34 @67482 has 6 MA's), (Start: 67 @67392 has 17 MA's), (Start: 79 @67338 has 157 MA's), (Start: 91 @67308 has 4 MA's), (104, 67224), (112, 67191), (140, 67119), (158, 67047), (174, 66966), (178, 66921), (180, 66915), (182, 66909), (183, 66897), (193, 66861), (213, 66759), (219, 66741), (228, 66696), (242, 66624), (245, 66609), (256, 66582), (260, 66573), (275, 66516), (295, 66432), (298, 66408), (309, 66378),

Gene: SynergyX_98 Start: 67214, Stop: 66156, Start Num: 79

Candidate Starts for SynergyX_98:

(24, 67388), (Start: 34 @67358 has 6 MA's), (Start: 67 @67268 has 17 MA's), (Start: 79 @67214 has 157 MA's), (Start: 91 @67184 has 4 MA's), (104, 67100), (112, 67067), (140, 66995), (158, 66923), (174, 66842), (178, 66797), (180, 66791), (182, 66785), (183, 66773), (185, 66767), (193, 66737), (213, 66635), (219, 66617), (228, 66572), (242, 66500), (245, 66485), (256, 66458), (260, 66449), (275, 66392), (295, 66308), (298, 66284), (309, 66254),

Gene: TA17A_88 Start: 64741, Stop: 63671, Start Num: 79

Candidate Starts for TA17A_88:

(Start: 79 @64741 has 157 MA's), (Start: 91 @64711 has 4 MA's), (104, 64645), (106, 64636), (112, 64612), (116, 64588), (124, 64564), (180, 64309), (182, 64303), (183, 64291), (193, 64258), (199, 64237), (209, 64180), (210, 64177), (219, 64138), (221, 64129), (226, 64099), (230, 64084), (237, 64042), (242, 64021), (251, 63991), (260, 63970), (279, 63904), (281, 63901), (289, 63874), (290, 63868), (305, 63793), (311, 63757),

Gene: TaeYoung_77 Start: 50521, Stop: 49526, Start Num: 89

Candidate Starts for TaeYoung_77:

(Start: 89 @50521 has 21 MA's), (108, 50428), (128, 50365), (136, 50347), (175, 50167), (178, 50143), (180, 50137), (183, 50119), (184, 50116), (204, 50041), (215, 49990), (242, 49861), (246, 49846), (260, 49810), (271, 49777), (315, 49594),

Gene: Talia1610_176 Start: 116051, Stop: 117025, Start Num: 79

Candidate Starts for Talia1610_176:

(Start: 79 @116051 has 157 MA's), (93, 116093), (178, 116432), (198, 116495), (205, 116537), (217, 116591), (234, 116669), (281, 116813), (286, 116840), (288, 116846), (319, 116984),

Gene: Targaryen_2 Start: 2329, Stop: 1316, Start Num: 81

Candidate Starts for Targaryen_2:

(Start: 36 @2467 has 4 MA's), (Start: 53 @2422 has 4 MA's), (61, 2404), (77, 2341), (Start: 81 @2329 has 135 MA's), (101, 2248), (107, 2218), (113, 2185), (122, 2152), (128, 2128), (133, 2113), (159, 2062), (193, 1897), (210, 1816), (218, 1777), (223, 1759), (228, 1729), (240, 1666), (244, 1648), (272, 1570), (281, 1537), (299, 1429), (308, 1411), (316, 1372),

Gene: Targaryen_253 Start: 126005, Stop: 124992, Start Num: 81

Candidate Starts for Targaryen_253:

(Start: 36 @126143 has 4 MA's), (Start: 53 @126098 has 4 MA's), (61, 126080), (77, 126017), (Start: 81 @126005 has 135 MA's), (101, 125924), (107, 125894), (113, 125861), (122, 125828), (128, 125804), (133, 125789), (159, 125738), (193, 125573), (210, 125492), (218, 125453), (223, 125435), (228, 125405), (240, 125342), (244, 125324), (272, 125246), (281, 125213), (299, 125105), (308,

125087), (316, 125048),

Gene: Terij_55 Start: 37200, Stop: 38201, Start Num: 85

Candidate Starts for Terij_55:

(Start: 85 @37200 has 37 MA's), (97, 37248), (110, 37314), (146, 37416), (162, 37479), (163, 37494), (172, 37530), (173, 37536), (174, 37539), (179, 37587), (208, 37707), (216, 37746), (239, 37869), (242, 37881), (245, 37896), (268, 37956), (271, 37971), (285, 38025), (312, 38136),

Gene: Deutsch_249 Start: 124434, Stop: 123421, Start Num: 81

Candidate Starts for Deutsch_249:

(Start: 81 @124434 has 135 MA's), (107, 124323), (121, 124263), (123, 124254), (128, 124233), (133, 124218), (159, 124167), (176, 124056), (193, 124002), (210, 123921), (218, 123882), (223, 123864), (228, 123834), (240, 123771), (269, 123687), (272, 123675), (281, 123642), (292, 123582), (299, 123534), (308, 123516), (316, 123477),

Gene: Deutsch_2 Start: 2225, Stop: 1212, Start Num: 81

Candidate Starts for Deutsch_2:

(Start: 81 @2225 has 135 MA's), (107, 2114), (121, 2054), (123, 2045), (128, 2024), (133, 2009), (159, 1958), (176, 1847), (193, 1793), (210, 1712), (218, 1673), (223, 1655), (228, 1625), (240, 1562), (269, 1478), (272, 1466), (281, 1433), (292, 1373), (299, 1325), (308, 1307), (316, 1268),

Gene: ThirteenKH_17 Start: 12307, Stop: 11303, Start Num: 85

Candidate Starts for ThirteenKH_17:

(Start: 85 @12307 has 37 MA's), (113, 12178), (151, 12082), (163, 12013), (165, 12004), (179, 11920), (210, 11791), (228, 11698), (242, 11626), (251, 11596), (256, 11584), (265, 11566), (273, 11521), (306, 11389), (316, 11350), (325, 11308),

Gene: Timinator_78 Start: 50779, Stop: 49781, Start Num: 89

Candidate Starts for Timinator_78:

(Start: 86 @50785 has 2 MA's), (Start: 89 @50779 has 21 MA's), (108, 50683), (128, 50620), (136, 50602), (175, 50422), (178, 50398), (180, 50392), (183, 50374), (184, 50371), (204, 50296), (215, 50245), (246, 50101), (260, 50065), (271, 50032), (315, 49849), (329, 49798),

Gene: Tinciduntolum_86 Start: 64905, Stop: 63835, Start Num: 79

Candidate Starts for Tinciduntolum_86:

(Start: 79 @64905 has 157 MA's), (Start: 91 @64875 has 4 MA's), (104, 64809), (106, 64800), (112, 64776), (116, 64752), (124, 64728), (180, 64473), (182, 64467), (183, 64455), (193, 64422), (199, 64401), (209, 64344), (210, 64341), (219, 64302), (221, 64293), (226, 64263), (230, 64248), (237, 64206), (242, 64185), (251, 64155), (260, 64134), (279, 64068), (281, 64065), (289, 64038), (290, 64032), (305, 63957), (311, 63921),

Gene: TinyTerror_98 Start: 67389, Stop: 66277, Start Num: 67

Candidate Starts for TinyTerror_98:

(24, 67509), (Start: 34 @67479 has 6 MA's), (Start: 67 @67389 has 17 MA's), (Start: 79 @67335 has 157 MA's), (Start: 91 @67305 has 4 MA's), (104, 67221), (112, 67188), (140, 67116), (158, 67044), (174, 66963), (178, 66918), (180, 66912), (182, 66906), (183, 66894), (193, 66858), (213, 66756), (219, 66738), (228, 66693), (242, 66621), (245, 66606), (256, 66579), (260, 66570), (275, 66513), (295, 66429), (298, 66405), (309, 66375),

Gene: TomSawyer_2 Start: 2200, Stop: 1199, Start Num: 81

Candidate Starts for TomSawyer_2:

(Start: 71 @2245 has 21 MA's), (Start: 81 @2200 has 135 MA's), (107, 2089), (113, 2056), (123, 2023), (131, 2011), (134, 2002), (159, 1954), (161, 1936), (162, 1933), (193, 1789), (196, 1780), (203, 1738),

(210, 1708), (218, 1669), (223, 1651), (228, 1621), (240, 1558), (281, 1426), (292, 1366), (299, 1318), (316, 1261), (327, 1216),

Gene: TomSawyer_267 Start: 123979, Stop: 122978, Start Num: 81

Candidate Starts for TomSawyer_267:

(Start: 71 @124024 has 21 MA's), (Start: 81 @123979 has 135 MA's), (107, 123868), (113, 123835), (123, 123802), (131, 123790), (134, 123781), (159, 123733), (161, 123715), (162, 123712), (193, 123568), (196, 123559), (203, 123517), (210, 123487), (218, 123448), (223, 123430), (228, 123400), (240, 123337), (281, 123205), (292, 123145), (299, 123097), (316, 123040), (327, 122995),

Gene: Tomas_258 Start: 124326, Stop: 123334, Start Num: 81

Candidate Starts for Tomas_258:

(65, 124383), (Start: 81 @124326 has 135 MA's), (99, 124257), (101, 124245), (107, 124215), (109, 124206), (131, 124137), (135, 124125), (159, 124080), (210, 123834), (218, 123795), (223, 123777), (228, 123747), (240, 123684), (272, 123588), (281, 123555), (292, 123495), (299, 123447), (317, 123387), (324, 123354),

Gene: Tomas_3 Start: 2619, Stop: 1627, Start Num: 81

Candidate Starts for Tomas_3:

(65, 2676), (Start: 81 @2619 has 135 MA's), (99, 2550), (101, 2538), (107, 2508), (109, 2499), (131, 2430), (135, 2418), (159, 2373), (210, 2127), (218, 2088), (223, 2070), (228, 2040), (240, 1977), (272, 1881), (281, 1848), (292, 1788), (299, 1740), (317, 1680), (324, 1647),

Gene: TraderJ_80 Start: 59378, Stop: 58359, Start Num: 79

Candidate Starts for TraderJ_80:

(Start: 79 @59378 has 157 MA's), (104, 59282), (112, 59249), (116, 59225), (118, 59216), (131, 59192), (144, 59174), (151, 59153), (175, 59006), (178, 58982), (180, 58976), (183, 58958), (199, 58904), (204, 58868), (213, 58823), (224, 58772), (251, 58658), (281, 58568), (289, 58541), (290, 58535), (316, 58424),

Gene: Tres_85 Start: 64759, Stop: 63689, Start Num: 79

Candidate Starts for Tres_85:

(23, 64954), (Start: 79 @64759 has 157 MA's), (Start: 91 @64729 has 4 MA's), (104, 64663), (106, 64654), (112, 64630), (116, 64606), (124, 64582), (180, 64327), (182, 64321), (183, 64309), (193, 64276), (199, 64255), (209, 64198), (210, 64195), (219, 64156), (221, 64147), (226, 64117), (230, 64102), (234, 64084), (237, 64060), (242, 64039), (251, 64009), (260, 63988), (279, 63922), (281, 63919), (289, 63892), (290, 63886), (305, 63811), (311, 63775),

Gene: Tribute_2 Start: 2225, Stop: 1212, Start Num: 81

Candidate Starts for Tribute_2:

(Start: 81 @2225 has 135 MA's), (107, 2114), (121, 2054), (123, 2045), (128, 2024), (133, 2009), (159, 1958), (176, 1847), (193, 1793), (210, 1712), (218, 1673), (223, 1655), (228, 1625), (240, 1562), (269, 1478), (272, 1466), (281, 1433), (292, 1373), (299, 1325), (308, 1307), (316, 1268),

Gene: Tribute_248 Start: 124769, Stop: 123756, Start Num: 81

Candidate Starts for Tribute_248:

(Start: 81 @124769 has 135 MA's), (107, 124658), (121, 124598), (123, 124589), (128, 124568), (133, 124553), (159, 124502), (176, 124391), (193, 124337), (210, 124256), (218, 124217), (223, 124199), (228, 124169), (240, 124106), (269, 124022), (272, 124010), (281, 123977), (292, 123917), (299, 123869), (308, 123851), (316, 123812),

Gene: Trina_210 Start: 112849, Stop: 113895, Start Num: 78

Candidate Starts for Trina_210:

(Start: 78 @112849 has 4 MA's), (106, 112954), (107, 112960), (112, 112978), (117, 113008), (120, 113017), (123, 113020), (129, 113044), (145, 113092), (169, 113215), (178, 113275), (194, 113332), (198, 113347), (212, 113425), (215, 113437), (218, 113446), (224, 113482), (228, 113494), (229, 113500), (233, 113515), (234, 113521), (281, 113683), (310, 113806), (323, 113866),

Gene: TrippleS_17 Start: 12314, Stop: 11310, Start Num: 85

Candidate Starts for TrippleS_17:

(Start: 85 @12314 has 37 MA's), (113, 12185), (151, 12089), (163, 12020), (165, 12011), (177, 11936), (210, 11798), (228, 11705), (242, 11633), (245, 11618), (251, 11603), (256, 11591), (265, 11573), (273, 11528), (306, 11396), (316, 11357), (325, 11315),

Gene: Truong_17 Start: 12296, Stop: 11307, Start Num: 85

Candidate Starts for Truong_17:

(Start: 85 @12296 has 37 MA's), (110, 12182), (113, 12167), (158, 12053), (163, 12014), (165, 12005), (179, 11921), (210, 11792), (228, 11699), (245, 11612), (283, 11492), (297, 11414), (312, 11372), (316, 11354), (321, 11327),

Gene: TunaTartare_218 Start: 111927, Stop: 112946, Start Num: 81

Candidate Starts for TunaTartare_218:

(Start: 81 @111927 has 135 MA's), (Start: 91 @111957 has 4 MA's), (107, 112044), (115, 112083), (130, 112122), (142, 112155), (198, 112374), (207, 112422), (213, 112458), (215, 112464), (240, 112584), (245, 112608), (247, 112614), (249, 112617), (281, 112713), (287, 112743), (313, 112872), (321, 112911), (322, 112914), (325, 112926),

Gene: Tydolla_93 Start: 66890, Stop: 65832, Start Num: 79

Candidate Starts for Tydolla_93:

(24, 67064), (Start: 34 @67034 has 6 MA's), (Start: 67 @66944 has 17 MA's), (Start: 79 @66890 has 157 MA's), (Start: 91 @66860 has 4 MA's), (104, 66776), (112, 66743), (140, 66671), (158, 66599), (174, 66518), (178, 66473), (180, 66467), (182, 66461), (183, 66449), (193, 66413), (213, 66311), (219, 66293), (228, 66248), (242, 66176), (245, 66161), (256, 66134), (260, 66125), (275, 66068), (295, 65984), (298, 65960), (309, 65930),

Gene: Vic9_00083 Start: 65292, Stop: 64222, Start Num: 79

Candidate Starts for Vic9_00083:

(Start: 79 @65292 has 157 MA's), (Start: 91 @65262 has 4 MA's), (104, 65196), (106, 65187), (112, 65163), (116, 65139), (124, 65115), (152, 65019), (180, 64860), (182, 64854), (183, 64842), (193, 64809), (199, 64788), (209, 64731), (210, 64728), (219, 64689), (221, 64680), (226, 64650), (230, 64635), (237, 64593), (242, 64572), (251, 64542), (260, 64521), (279, 64455), (281, 64452), (289, 64425), (290, 64419), (305, 64344), (311, 64308),

Gene: Vincenzo_91 Start: 69502, Stop: 68453, Start Num: 79

Candidate Starts for Vincenzo_91:

(11, 69841), (Start: 79 @69502 has 157 MA's), (95, 69448), (104, 69388), (105, 69382), (112, 69355), (118, 69322), (144, 69277), (147, 69262), (149, 69259), (158, 69214), (160, 69196), (165, 69166), (170, 69151), (178, 69088), (180, 69082), (182, 69076), (183, 69064), (188, 69046), (203, 68977), (205, 68968), (208, 68956), (213, 68926), (230, 68854), (238, 68809), (245, 68776), (251, 68761), (254, 68752), (279, 68674), (293, 68614), (295, 68602), (307, 68560), (318, 68506), (320, 68500), (321, 68491), (332, 68464), (335, 68458),

Gene: VioletZ_94 Start: 69001, Stop: 67943, Start Num: 79

Candidate Starts for VioletZ_94:

(Start: 79 @69001 has 157 MA's), (95, 68947), (104, 68887), (105, 68881), (112, 68854), (113, 68839), (116, 68830), (126, 68812), (144, 68773), (149, 68755), (151, 68752), (158, 68710), (170, 68647),

(180, 68578), (183, 68560), (188, 68542), (193, 68524), (208, 68452), (210, 68443), (213, 68422), (238, 68305), (240, 68296), (245, 68272), (249, 68263), (266, 68227), (279, 68170), (289, 68140), (293, 68110), (295, 68098), (297, 68077), (317, 68002), (321, 67981), (335, 67948),

Gene: Violeta_52 Start: 30920, Stop: 31972, Start Num: 70

Candidate Starts for Violeta_52:

(Start: 70 @30920 has 10 MA's), (Start: 79 @30962 has 157 MA's), (104, 31058), (113, 31106), (152, 31196), (180, 31355), (182, 31361), (184, 31376), (200, 31418), (206, 31457), (242, 31631), (276, 31739), (305, 31859), (316, 31901), (337, 31961),

Gene: WaddleDee_160 Start: 111543, Stop: 112520, Start Num: 79

Candidate Starts for WaddleDee_160:

(Start: 79 @111543 has 157 MA's), (93, 111585), (127, 111711), (166, 111846), (178, 111927), (198, 111990), (213, 112074), (234, 112164), (242, 112209), (281, 112308), (295, 112383),

Gene: Waleliano_91 Start: 68648, Stop: 67590, Start Num: 79

Candidate Starts for Waleliano_91:

(Start: 79 @68648 has 157 MA's), (104, 68534), (105, 68528), (112, 68501), (113, 68486), (116, 68477), (126, 68459), (144, 68420), (149, 68402), (158, 68357), (170, 68294), (180, 68225), (183, 68207), (188, 68189), (193, 68171), (200, 68147), (208, 68099), (210, 68090), (213, 68069), (238, 67952), (240, 67943), (245, 67919), (249, 67910), (254, 67895), (266, 67874), (279, 67817), (289, 67787), (295, 67745), (297, 67724), (317, 67649), (321, 67628), (332, 67601), (335, 67595),

Gene: Warpy_257 Start: 124267, Stop: 123161, Start Num: 53

Candidate Starts for Warpy_257:

(Start: 53 @124267 has 4 MA's), (61, 124249), (77, 124186), (Start: 81 @124174 has 135 MA's), (101, 124093), (107, 124063), (113, 124030), (122, 123997), (128, 123973), (133, 123958), (159, 123907), (193, 123742), (210, 123661), (218, 123622), (223, 123604), (228, 123574), (240, 123511), (244, 123493), (272, 123415), (281, 123382), (299, 123274), (308, 123256), (316, 123217),

Gene: Warpy_5 Start: 2729, Stop: 1623, Start Num: 53

Candidate Starts for Warpy_5:

(Start: 53 @2729 has 4 MA's), (61, 2711), (77, 2648), (Start: 81 @2636 has 135 MA's), (101, 2555), (107, 2525), (113, 2492), (122, 2459), (128, 2435), (133, 2420), (159, 2369), (193, 2204), (210, 2123), (218, 2084), (223, 2066), (228, 2036), (240, 1973), (244, 1955), (272, 1877), (281, 1844), (299, 1736), (308, 1718), (316, 1679),

Gene: Warren_50 Start: 30876, Stop: 31928, Start Num: 70

Candidate Starts for Warren_50:

(39, 30789), (Start: 70 @30876 has 10 MA's), (Start: 79 @30918 has 157 MA's), (104, 31014), (113, 31062), (152, 31152), (180, 31311), (182, 31317), (184, 31332), (200, 31374), (206, 31413), (242, 31587), (276, 31695), (305, 31815), (316, 31857), (337, 31917),

Gene: Waterlily_17 Start: 12338, Stop: 11307, Start Num: 85

Candidate Starts for Waterlily_17:

(Start: 85 @12338 has 37 MA's), (110, 12224), (113, 12209), (158, 12053), (163, 12014), (165, 12005), (179, 11921), (210, 11792), (228, 11699), (245, 11612), (283, 11492), (297, 11414), (312, 11372), (316, 11354), (321, 11327),

Gene: Watermoore_2 Start: 2226, Stop: 1213, Start Num: 81

Candidate Starts for Watermoore_2:

(Start: 36 @2373 has 4 MA's), (Start: 53 @2319 has 4 MA's), (61, 2301), (Start: 81 @2226 has 135 MA's), (107, 2115), (113, 2082), (121, 2055), (123, 2046), (128, 2025), (133, 2010), (159, 1959), (176,

1848), (193, 1794), (210, 1713), (218, 1674), (223, 1656), (228, 1626), (240, 1563), (269, 1479), (272, 1467), (281, 1434), (292, 1374), (299, 1326), (308, 1308), (316, 1269),

Gene: Watermoore_249 Start: 124822, Stop: 123809, Start Num: 81

Candidate Starts for Watermoore_249:

(Start: 36 @124969 has 4 MA's), (Start: 53 @124915 has 4 MA's), (61, 124897), (Start: 81 @124822 has 135 MA's), (107, 124711), (113, 124678), (121, 124651), (123, 124642), (128, 124621), (133, 124606), (159, 124555), (176, 124444), (193, 124390), (210, 124309), (218, 124270), (223, 124252), (228, 124222), (240, 124159), (269, 124075), (272, 124063), (281, 124030), (292, 123970), (299, 123922), (308, 123904), (316, 123865),

Gene: Weasels2_189 Start: 100516, Stop: 101544, Start Num: 78

Candidate Starts for Weasels2_189:

(57, 100435), (Start: 78 @100516 has 4 MA's), (93, 100555), (95, 100570), (101, 100600), (108, 100633), (123, 100690), (148, 100762), (178, 100918), (180, 100924), (198, 100990), (206, 101035), (221, 101101), (224, 101125), (228, 101137), (229, 101143), (276, 101320), (324, 101521), (327, 101530),

Gene: West99_85 Start: 64928, Stop: 63858, Start Num: 79

Candidate Starts for West99_85:

(Start: 79 @64928 has 157 MA's), (Start: 91 @64898 has 4 MA's), (104, 64832), (106, 64823), (112, 64799), (116, 64775), (124, 64751), (180, 64496), (182, 64490), (183, 64478), (193, 64445), (199, 64424), (209, 64367), (210, 64364), (219, 64325), (221, 64316), (226, 64286), (230, 64271), (234, 64253), (237, 64229), (242, 64208), (251, 64178), (260, 64157), (279, 64091), (281, 64088), (289, 64061), (290, 64055), (305, 63980), (311, 63944),

Gene: Westy_222 Start: 109461, Stop: 110483, Start Num: 80

Candidate Starts for Westy_222:

(Start: 80 @109461 has 9 MA's), (Start: 91 @109491 has 4 MA's), (107, 109572), (112, 109590), (121, 109632), (128, 109650), (134, 109668), (181, 109848), (198, 109911), (203, 109944), (206, 109956), (207, 109959), (209, 109971), (224, 110046), (240, 110121), (245, 110145), (257, 110175), (276, 110238), (324, 110457),

Gene: WhereRU_2 Start: 2215, Stop: 1202, Start Num: 81

Candidate Starts for WhereRU_2:

(35, 2365), (46, 2329), (Start: 53 @2308 has 4 MA's), (61, 2290), (Start: 81 @2215 has 135 MA's), (101, 2134), (107, 2104), (121, 2044), (128, 2014), (133, 1999), (134, 1996), (159, 1948), (176, 1837), (193, 1783), (202, 1738), (210, 1702), (218, 1663), (223, 1645), (228, 1615), (272, 1456), (281, 1423), (292, 1363), (299, 1315), (308, 1297), (316, 1258),

Gene: WhereRU_251 Start: 123360, Stop: 122347, Start Num: 81

Candidate Starts for WhereRU_251:

(35, 123510), (46, 123474), (Start: 53 @123453 has 4 MA's), (61, 123435), (Start: 81 @123360 has 135 MA's), (101, 123279), (107, 123249), (121, 123189), (128, 123159), (133, 123144), (134, 123141), (159, 123093), (176, 122982), (193, 122928), (202, 122883), (210, 122847), (218, 122808), (223, 122790), (228, 122760), (272, 122601), (281, 122568), (292, 122508), (299, 122460), (308, 122442), (316, 122403),

Gene: Winchester007_66 Start: 36600, Stop: 37652, Start Num: 70

Candidate Starts for Winchester007_66:

(Start: 70 @36600 has 10 MA's), (Start: 79 @36642 has 157 MA's), (104, 36738), (113, 36786), (152, 36876), (180, 37035), (182, 37041), (184, 37056), (206, 37137), (242, 37311), (276, 37419), (305, 37539), (316, 37581), (337, 37641),

Gene: Wipeout_2 Start: 2266, Stop: 1220, Start Num: 71

Candidate Starts for Wipeout_2:

(Start: 71 @2266 has 21 MA's), (Start: 81 @2221 has 135 MA's), (107, 2110), (113, 2077), (123, 2044), (131, 2032), (134, 2023), (159, 1975), (161, 1957), (162, 1954), (193, 1810), (196, 1801), (203, 1759), (210, 1729), (218, 1690), (223, 1672), (228, 1642), (240, 1579), (281, 1447), (292, 1387), (299, 1339), (316, 1282), (327, 1237),

Gene: Wipeout_255 Start: 122997, Stop: 121951, Start Num: 71

Candidate Starts for Wipeout_255:

(Start: 71 @122997 has 21 MA's), (Start: 81 @122952 has 135 MA's), (107, 122841), (113, 122808), (123, 122775), (131, 122763), (134, 122754), (159, 122706), (161, 122688), (162, 122685), (193, 122541), (196, 122532), (203, 122490), (210, 122460), (218, 122421), (223, 122403), (228, 122373), (240, 122310), (281, 122178), (292, 122118), (299, 122070), (316, 122013), (327, 121968),

Gene: Wofford_3 Start: 2491, Stop: 1490, Start Num: 81

Candidate Starts for Wofford_3:

(Start: 33 @2638 has 1 MA's), (46, 2599), (48, 2587), (58, 2566), (65, 2548), (Start: 81 @2491 has 135 MA's), (107, 2380), (131, 2302), (134, 2293), (159, 2245), (161, 2227), (162, 2224), (193, 2080), (196, 2071), (210, 1999), (218, 1960), (223, 1942), (228, 1912), (240, 1849), (258, 1792), (260, 1789), (281, 1717), (292, 1657), (295, 1636), (299, 1609), (308, 1591), (324, 1516),

Gene: Wofford_261 Start: 124284, Stop: 123283, Start Num: 81

Candidate Starts for Wofford_261:

(Start: 33 @124431 has 1 MA's), (46, 124392), (48, 124380), (58, 124359), (65, 124341), (Start: 81 @124284 has 135 MA's), (107, 124173), (131, 124095), (134, 124086), (159, 124038), (161, 124020), (162, 124017), (193, 123873), (196, 123864), (210, 123792), (218, 123753), (223, 123735), (228, 123705), (240, 123642), (258, 123585), (260, 123582), (281, 123510), (292, 123450), (295, 123429), (299, 123402), (308, 123384), (324, 123309),

Gene: Wooper_81 Start: 59350, Stop: 58331, Start Num: 79

Candidate Starts for Wooper_81:

(47, 59446), (54, 59428), (69, 59392), (Start: 79 @59350 has 157 MA's), (104, 59254), (108, 59236), (112, 59221), (116, 59197), (118, 59188), (131, 59164), (144, 59146), (151, 59125), (175, 58978), (178, 58954), (180, 58948), (183, 58930), (199, 58876), (204, 58840), (213, 58795), (224, 58744), (251, 58630), (281, 58540), (289, 58513), (290, 58507), (316, 58396),

Gene: Wyborn_77 Start: 49339, Stop: 48344, Start Num: 89

Candidate Starts for Wyborn_77:

(Start: 89 @49339 has 21 MA's), (108, 49246), (125, 49192), (128, 49183), (136, 49165), (159, 49084), (175, 48985), (180, 48955), (183, 48937), (206, 48853), (208, 48844), (215, 48808), (223, 48781), (260, 48628), (271, 48595), (315, 48412),

Gene: Xincheng_84 Start: 68764, Stop: 67706, Start Num: 79

Candidate Starts for Xincheng_84:

(Start: 79 @68764 has 157 MA's), (95, 68710), (104, 68650), (105, 68644), (112, 68617), (113, 68602), (116, 68593), (126, 68575), (144, 68536), (149, 68518), (151, 68515), (158, 68473), (170, 68410), (180, 68341), (183, 68323), (188, 68305), (193, 68287), (208, 68215), (210, 68206), (213, 68185), (238, 68068), (240, 68059), (245, 68035), (249, 68026), (254, 68011), (266, 67990), (279, 67933), (289, 67903), (293, 67873), (295, 67861), (297, 67840), (317, 67765), (321, 67744), (332, 67717), (335, 67711),

Gene: Yaboi_4 Start: 2628, Stop: 1627, Start Num: 81

Candidate Starts for Yaboi_4:

(62, 2694), (65, 2685), (Start: 81 @2628 has 135 MA's), (107, 2517), (134, 2430), (183, 2238), (193, 2217), (196, 2208), (203, 2166), (210, 2136), (218, 2097), (223, 2079), (228, 2049), (240, 1986), (281, 1854), (292, 1794), (299, 1746), (308, 1728), (316, 1689),

Gene: Yaboi_265 Start: 121446, Stop: 120445, Start Num: 81

Candidate Starts for Yaboi_265:

(62, 121512), (65, 121503), (Start: 81 @121446 has 135 MA's), (107, 121335), (134, 121248), (183, 121056), (193, 121035), (196, 121026), (203, 120984), (210, 120954), (218, 120915), (223, 120897), (228, 120867), (240, 120804), (281, 120672), (292, 120612), (299, 120564), (308, 120546), (316, 120507),

Gene: Yafa_17 Start: 12330, Stop: 11326, Start Num: 85

Candidate Starts for Yafa_17:

(Start: 85 @12330 has 37 MA's), (113, 12201), (151, 12105), (163, 12036), (165, 12027), (179, 11943), (210, 11814), (228, 11721), (242, 11649), (251, 11619), (256, 11607), (265, 11589), (273, 11544), (306, 11412), (316, 11373), (325, 11331),

Gene: Yago84_77 Start: 59460, Stop: 58450, Start Num: 79

Candidate Starts for Yago84_77:

(Start: 33 @59601 has 1 MA's), (54, 59538), (Start: 79 @59460 has 157 MA's), (104, 59364), (112, 59331), (126, 59289), (151, 59247), (178, 59079), (180, 59073), (182, 59067), (196, 59010), (208, 58947), (213, 58917), (221, 58890), (234, 58827), (240, 58791), (251, 58752), (281, 58662), (295, 58593), (298, 58569), (300, 58563), (330, 58470),

Gene: Yahalom_95 Start: 66769, Stop: 65657, Start Num: 67

Candidate Starts for Yahalom_95:

(24, 66889), (Start: 34 @66859 has 6 MA's), (Start: 67 @66769 has 17 MA's), (Start: 79 @66715 has 157 MA's), (Start: 91 @66685 has 4 MA's), (104, 66601), (112, 66568), (140, 66496), (158, 66424), (174, 66343), (178, 66298), (180, 66292), (182, 66286), (183, 66274), (193, 66238), (213, 66136), (219, 66118), (228, 66073), (242, 66001), (245, 65986), (256, 65959), (260, 65950), (275, 65893), (295, 65809), (298, 65785), (309, 65755),

Gene: Yeshua_80 Start: 59326, Stop: 58307, Start Num: 79

Candidate Starts for Yeshua_80:

(47, 59422), (54, 59404), (69, 59368), (Start: 79 @59326 has 157 MA's), (104, 59230), (108, 59212), (112, 59197), (116, 59173), (118, 59164), (131, 59140), (144, 59122), (151, 59101), (175, 58954), (178, 58930), (180, 58924), (183, 58906), (199, 58852), (204, 58816), (213, 58771), (224, 58720), (279, 58519), (281, 58516), (289, 58489), (290, 58483), (316, 58372),

Gene: Yinz_95 Start: 66316, Stop: 65258, Start Num: 79

Candidate Starts for Yinz_95:

(24, 66490), (Start: 34 @66460 has 6 MA's), (Start: 67 @66370 has 17 MA's), (Start: 79 @66316 has 157 MA's), (Start: 91 @66286 has 4 MA's), (104, 66202), (112, 66169), (140, 66097), (158, 66025), (174, 65944), (178, 65899), (180, 65893), (182, 65887), (183, 65875), (193, 65839), (213, 65737), (219, 65719), (228, 65674), (242, 65602), (245, 65587), (256, 65560), (260, 65551), (275, 65494), (295, 65410), (298, 65386), (309, 65356),

Gene: Zartrosa_78 Start: 50212, Stop: 49217, Start Num: 89

Candidate Starts for Zartrosa_78:

(Start: 89 @50212 has 21 MA's), (108, 50119), (128, 50056), (136, 50038), (168, 49903), (175, 49858), (178, 49834), (180, 49828), (183, 49810), (184, 49807), (204, 49732), (215, 49681), (242, 49552), (246, 49537), (260, 49501), (271, 49468), (315, 49285),

Gene: Zemanar_90 Start: 68665, Stop: 67607, Start Num: 79

Candidate Starts for Zemanar_90:

(Start: 79 @68665 has 157 MA's), (95, 68611), (96, 68593), (104, 68551), (105, 68545), (112, 68518), (113, 68503), (116, 68494), (126, 68476), (144, 68437), (149, 68419), (158, 68374), (170, 68311), (180, 68242), (183, 68224), (188, 68206), (193, 68188), (208, 68116), (210, 68107), (213, 68086), (238, 67969), (240, 67960), (245, 67936), (249, 67927), (254, 67912), (266, 67891), (279, 67834), (289, 67804), (293, 67774), (295, 67762), (297, 67741), (317, 67666), (321, 67645), (335, 67612),

Gene: Zhengyi_18 Start: 13141, Stop: 12152, Start Num: 85

Candidate Starts for Zhengyi_18:

(Start: 85 @13141 has 37 MA's), (93, 13111), (98, 13090), (121, 12985), (151, 12928), (162, 12874), (165, 12850), (170, 12835), (201, 12679), (208, 12646), (281, 12346), (297, 12259), (312, 12217), (316, 12199),