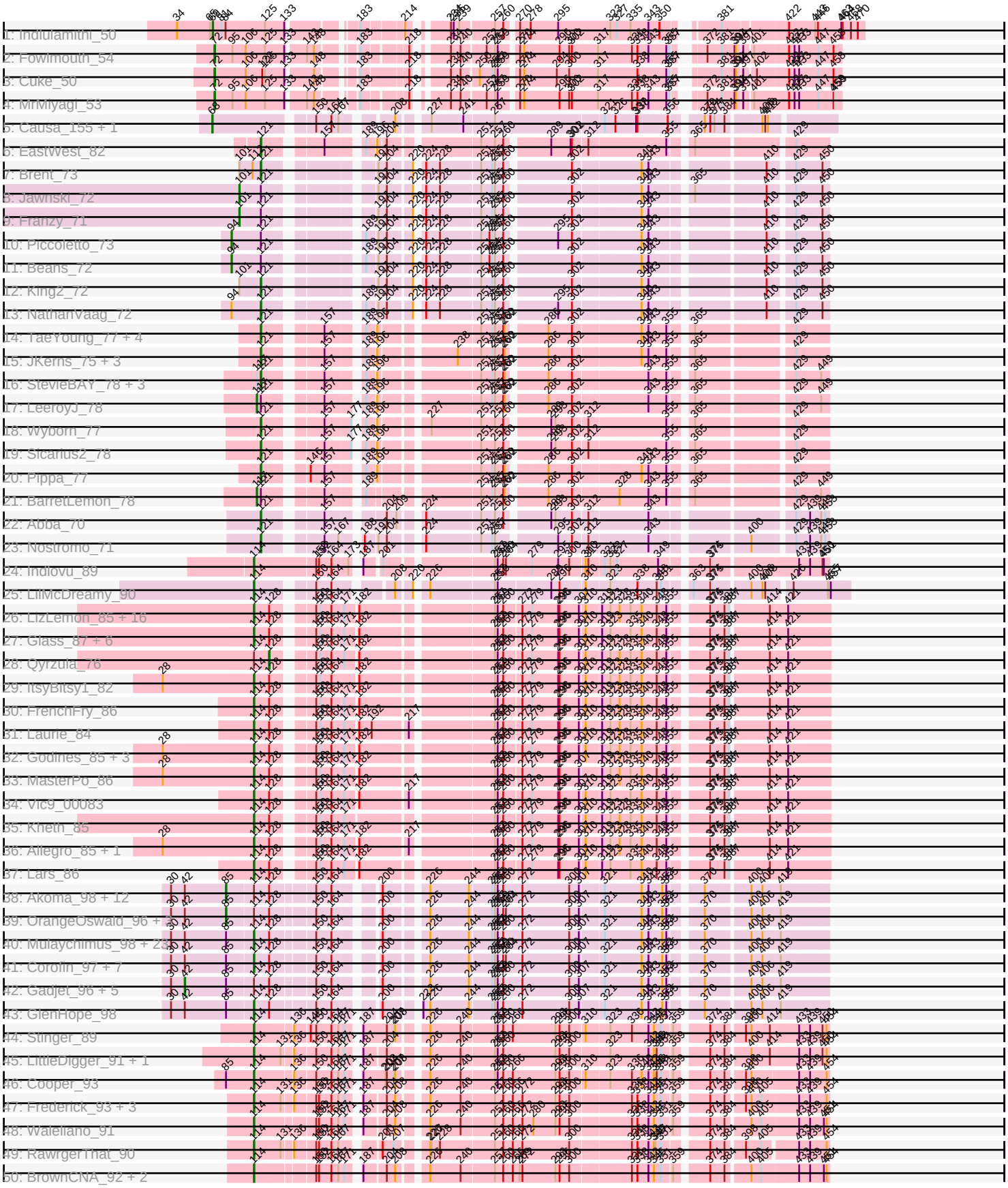
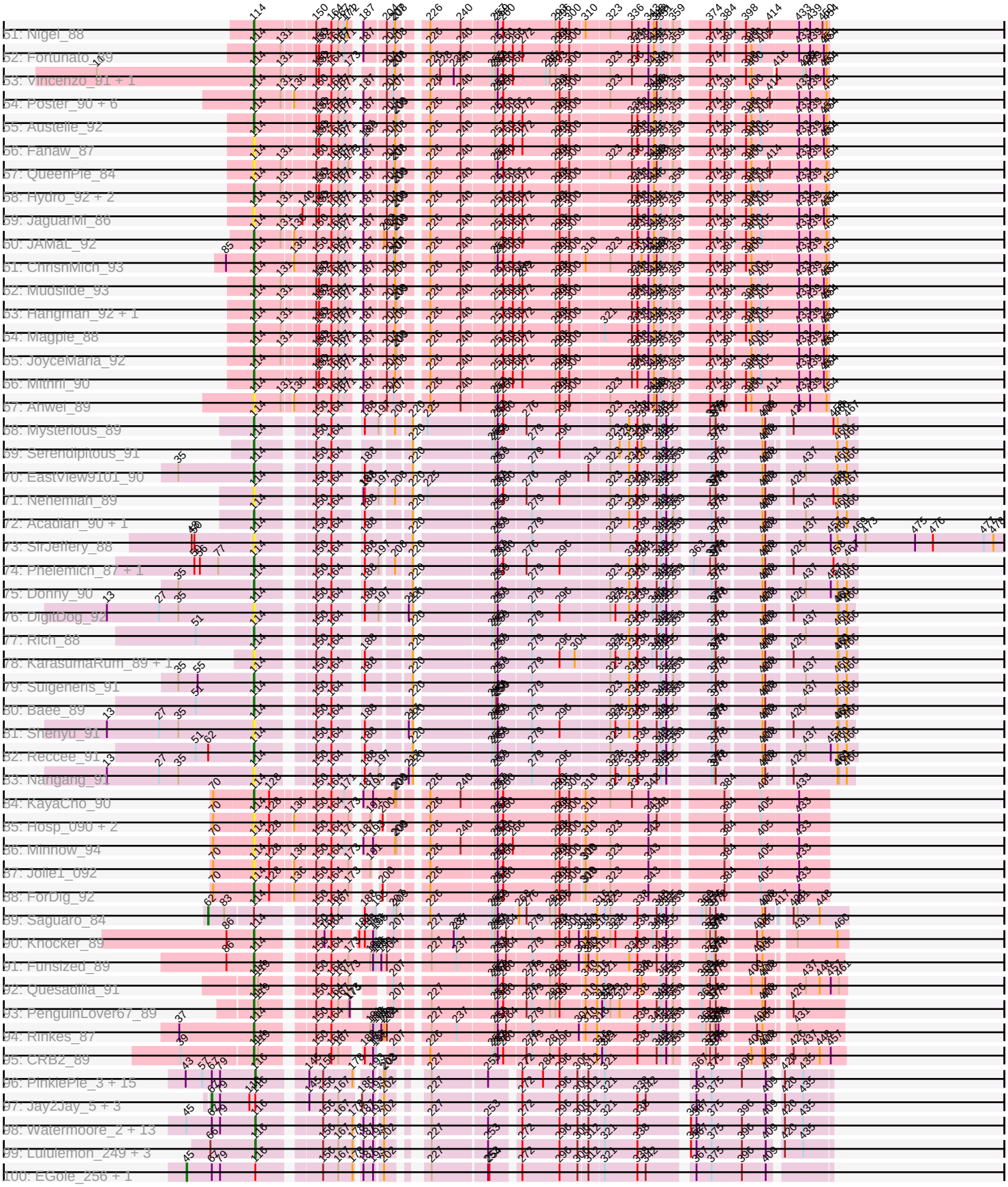
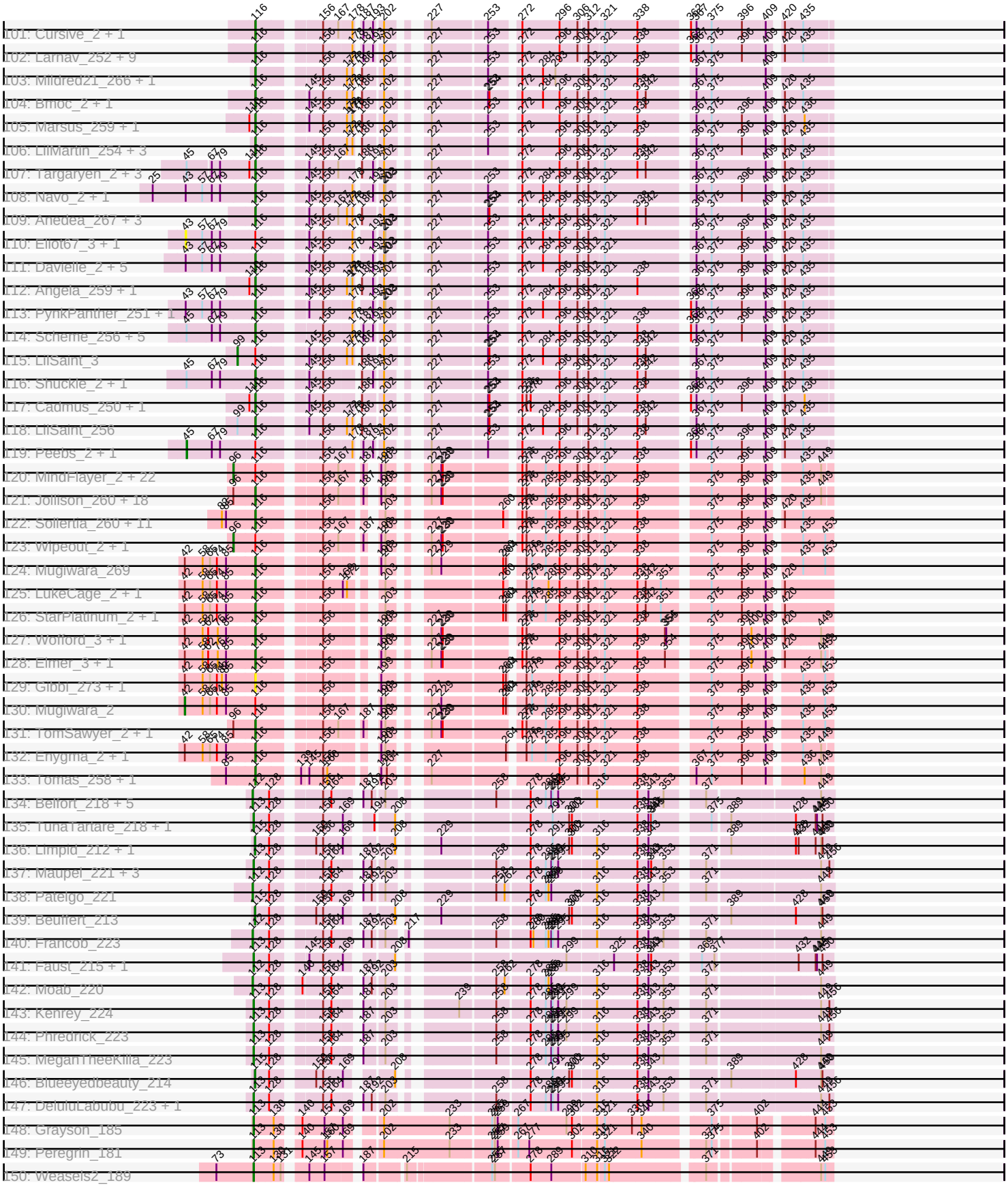
Pham 347042



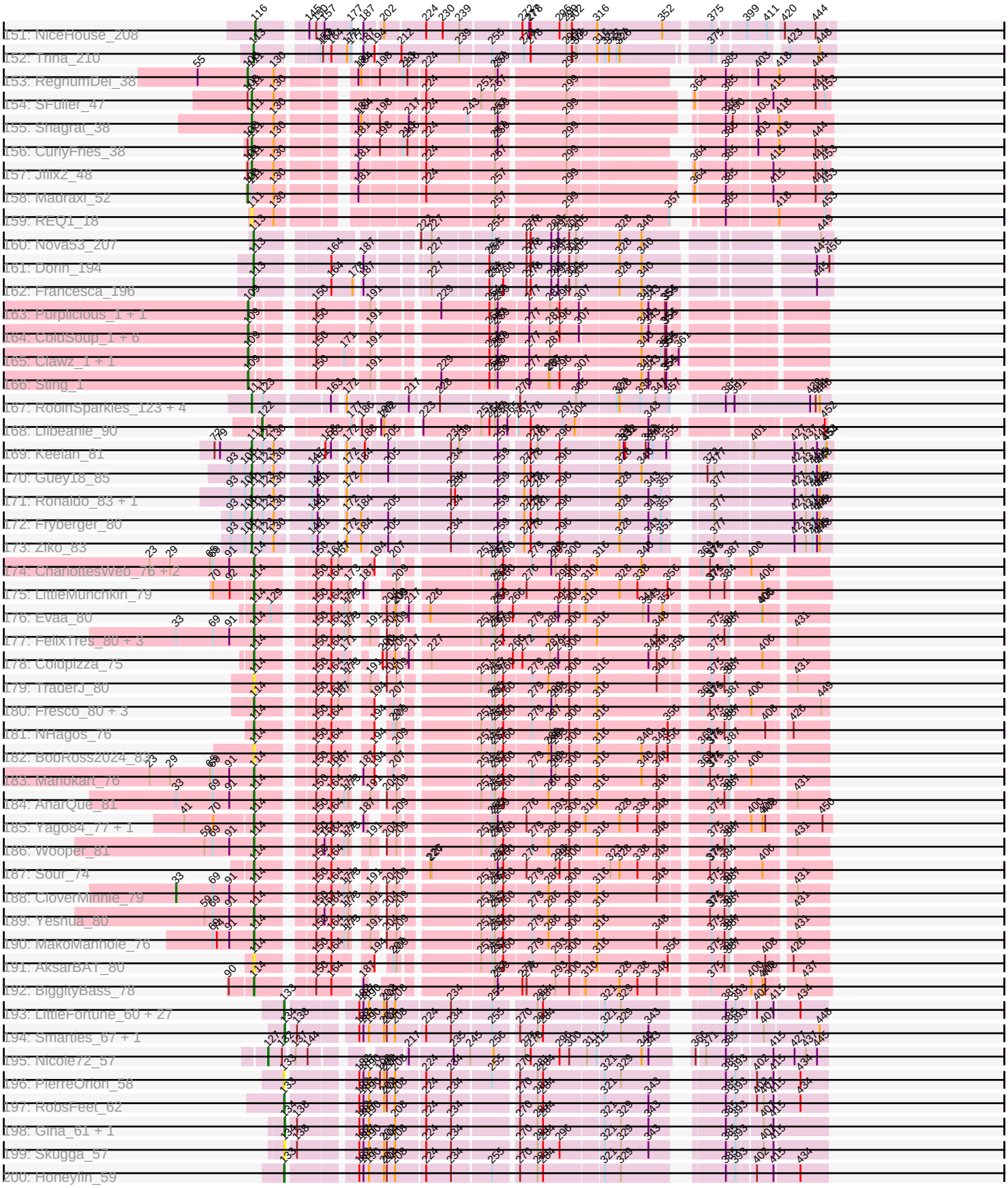
Pham 347042


51: Nigel_88
52: Fortunato_89
53: Vincenzo_91 + 1
54: Poster_90 + 6
55: Austelle_92
56: Fanaw_87
57: QueenPie_84
58: Hydro_92 + 2
59: JaguarMI_86
60: JAMaL_92
61: ChrishMich_93
62: Mudslide_93
63: Hangman_92 + 1
64: Magpie_88
65: JoyceMaria_92
66: Mithril_90
67: Anwei_89
68: Mysterious_89
69: Serendipitous_91
70: EastView9101_90
71: Nehemiah_89
72: Acadian_90 + 1
73: SirJeffery_88
74: Phelemich_87 + 1
75: Donny_90
76: DigitDog_92
77: Rich_88
78: KarasumaRum_89 + 1
79: Suigeneris_91
80: Baee_89
81: Shenyu_91
82: Reccee_91
83: Nangang_91
84: KayaCho_90
85: Hosp_090 + 2
86: Minnow_94
87: Jolie1_092
88: ForDig_92
89: Saguaro_84
90: Knocker_89
91: Funsized_89
92: Quesadilla_91
93: PenguinLover67_89
94: Rinkes_87
95: CRB2_89
96: PinkiePie_3 + 15
97: Jay2Jay_5 + 3
98: Watermoore_2 + 13
99: Lululemon_249 + 3
100: EGole_256 + 1

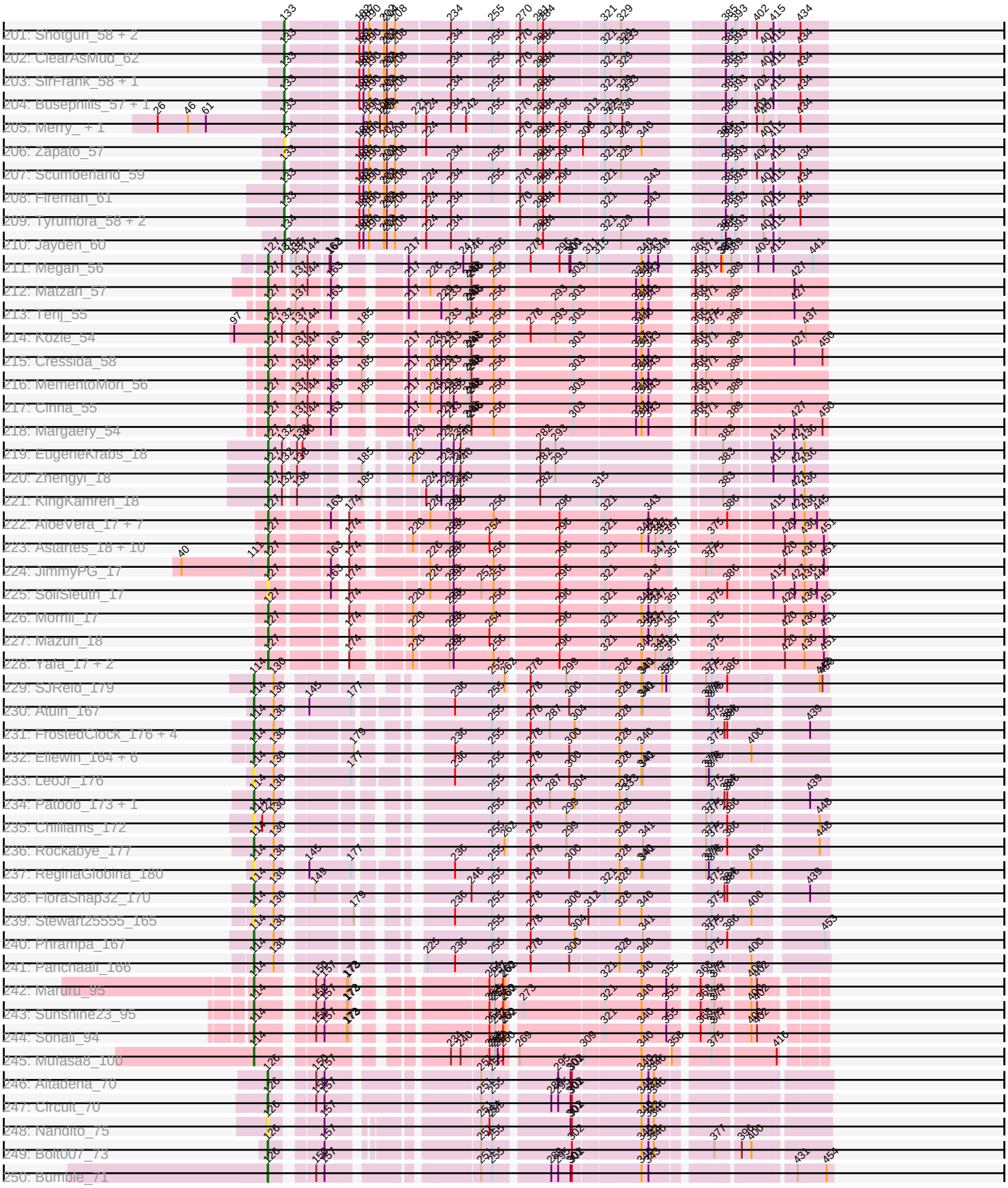
Pham 347042


101: Cursive_2 + 1
102: Larnav_252 + 9
103: Mildred21_266 + 1
104: Bmoc_2 + 1
105: Marsus_259 + 1
106: LilMartin_254 + 3
107: Targaryen_2 + 3
108: Navo_2 + 1
109: Anedea_267 + 3
110: Eliot67_3 + 1
111: Davielle_2 + 5
112: Angela_259 + 1
113: PinkPanther_251 + 1
114: Scheme_256 + 5
115: LilSaint_3
116: Snuckie_2 + 1
117: Cadmus_250 + 1
118: LilSaint_256
119: Peebs_2 + 1
120: MindFlayer_2 + 22
121: Jollison_260 + 18
122: Solferita_260 + 11
123: Wipeout_2 + 1
124: Mugiwara_269
125: LukeCage_2 + 1
126: StarPlatinum_2 + 1
127: Wofford_3 + 1
128: Elmer_3 + 1
129: Gibbi_273 + 1
130: Mugiwara_2
131: TomSawyer_2 + 1
132: Enygma_2 + 1
133: Tomas_258 + 1
134: Belfort_218 + 5
135: TunaTartare_218 + 1
136: Limpid_212 + 1
137: Maupei_221 + 3
138: Patelgo_221
139: Beuffert_213
140: Francob_223
141: Faust_215 + 1
142: Moab_220
143: Kenrey_224
144: Phredrick_223
145: MeganTheeKilla_223
146: Blueeyedbeauty_214
147: DeluluLabubu_223 + 1
148: Grayson_185
149: Peregrin_181
150: Weasels2_189

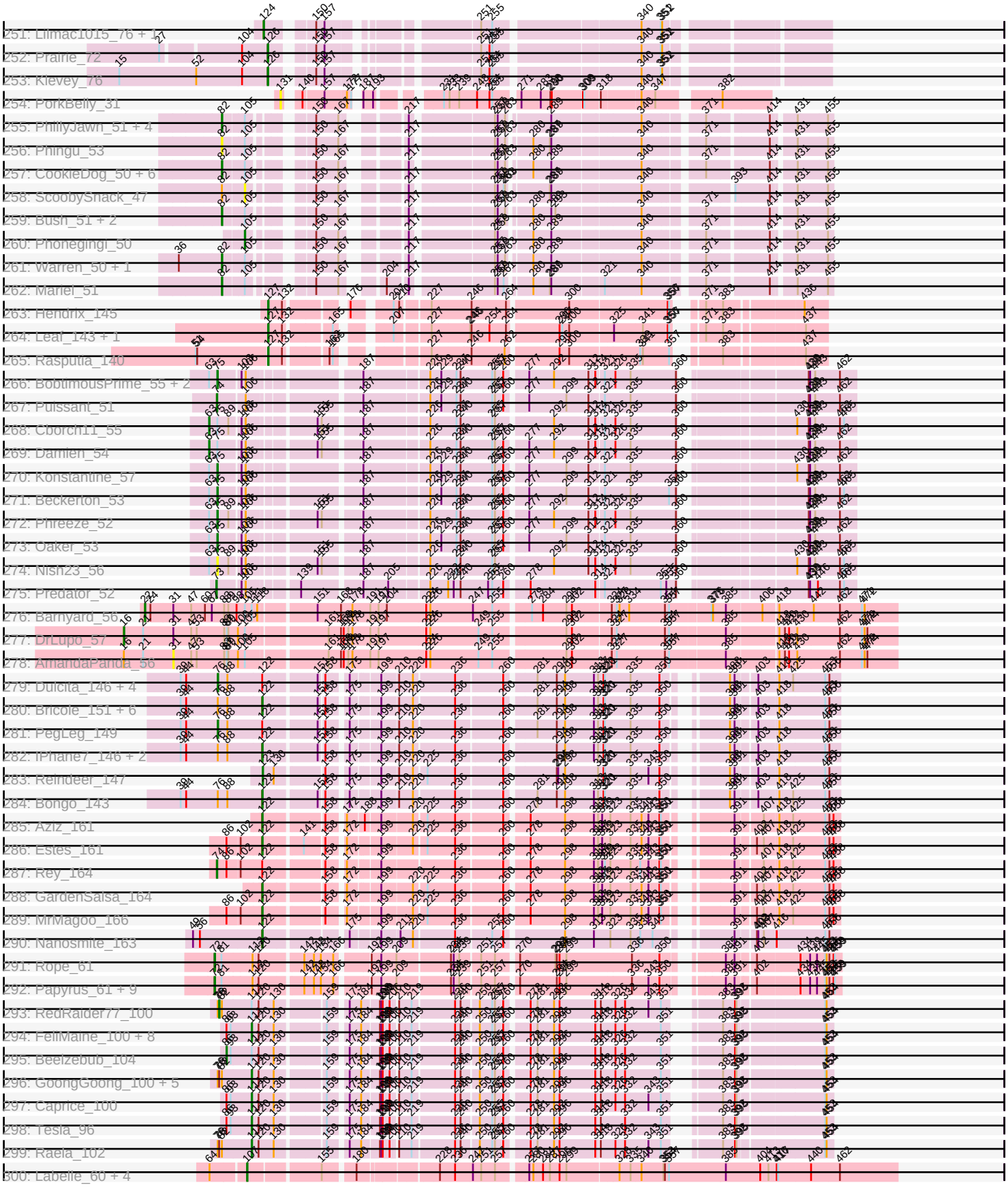
Pham 347042


151: NiceHouse_208
152: Trina_210
153: RegnumDei_38
154: SFuller_47
155: Shagrat_38
156: CurlyFries_38
157: Jmix2_48
158: Madraxi_52
159: REQ1_18
160: Nova53_207
161: Dorin_194
162: Francesca_196
163: Purplicious_1 + 1
164: ColdSoup_1 + 6
165: Clawz_1 + 1
166: Sting_1
167: RobinSparkles_123 + 4
168: Lilbeanie_90
169: Keelan_81
170: Guey18_85
171: Ronaldo_83 + 1
172: Fryberger_80
173: Ziko_83
174: CharlottesWeb_76 + 2
175: LittleMunchkin_79
176: Evaa_80
177: FelixTres_80 + 3
178: Coldpizza_75
179: TraderJ_80
180: Fresco_80 + 3
181: NHagos_76
182: BobRoss2024_83
183: Mariokart_76
184: AnarQue_81
185: Yago84_77 + 1
186: Wooper_81
187: Sour_74
188: CloverMinnie_79
189: Yeshua_80
190: MakoManhole_76
191: AksarBAT_80
192: BiggityBass_78
193: LittleFortune_60 + 27
194: Smarties_67 + 1
195: Nicole72_57
196: PierreOnion_58
197: RobsFeet_62
198: Gina_61 + 1
199: Skugga_57
200: Honeyfin_59

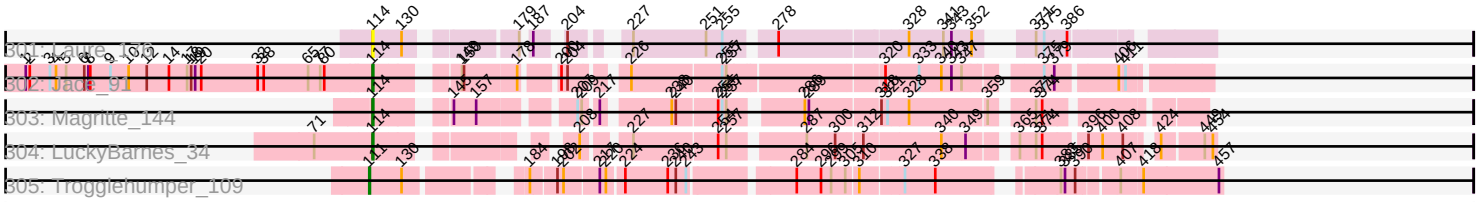
Pham 347042


201: Shotgun_58 + 2
202: ClearAsMud_62
203: SirFrank_58 + 1
204: Busephills_57 + 1
205: Merry_ + 1
206: Zapato_57
207: Scumberland_59
208: Fireman_61
209: Tyrumbra_58 + 2
210: Jayden_60
211: Megan_56
212: Matzah_57
213: Tenj_55
214: Kozie_54
215: Cressida_58
216: MementoMori_56
217: Cinna_55
218: Margaery_54
219: EugeneKrabs_18
220: Zhengyi_18
221: KingKamren_18
222: AloeVera_17 + 7
223: Astartes_18 + 10
224: JimmyPG_17
225: SoilSleuth_17
226: Mornii_17
227: Mazun_18
228: Yala_17 + 2
229: SJReid_179
230: Atulin_167
231: FrostedClock_176 + 4
232: Ellewin_164 + 6
233: LeoJr_176
234: Patbob_173 + 1
235: Chilliams_172
236: Rockabye_177
237: ReginaGlobina_180
238: FloraSnap32_170
239: Stewart25555_165
240: Phrampa_167
241: Panchaali_166
242: Maruru_95
243: Sunshine23_95
244: Sonali_94
245: Mufasa8_100
246: Altadena_70
247: Circuit_70
248: Nandito_75
249: Bolt007_73
250: Bumble_71

Pham 347042


251: Lilmac1015_76 + 4
252: Prairie_72
253: Kievey_76
254: PorkBelly_31
255: PhillyJawn_51 + 4
256: Phingu_53
257: CookieDog_50 + 6
258: ScoobySnack_47
259: Bush_51 + 2
260: Phonegingi_50
261: Warren_50 + 1
262: Mariel_51
263: Hendrix_145
264: Leaf_143 + 1
265: Rasputia_140
266: BobtimousPrime_55 + 2
267: Puissant_51
268: Cborch11_55
269: Damien_54
270: Konstantine_57
271: Beckerton_53
272: Phreeze_52
273: Oaker_53
274: Nish23_56
275: Predator_52
276: Barnyard_56
277: DrLupo_57
278: AmandaPanda_56
279: Dulcita_146 + 4
280: Bricole_151 + 6
281: PegLeg_149
282: Phane7_146 + 2
283: Reindeer_147
284: Bongo_143
285: Aziz_161
286: Estes_161
287: Rey_164
288: GardenSalsa_164
289: MrMagoo_166
290: Nanosmite_163
291: Rope_61
292: Papyrus_61 + 9
293: RedRaider77_100
294: FellMaine_100 + 8
295: Beelzebub_104
296: GoongGoong_100 + 5
297: Caprice_100
298: Tesla_96
299: Raela_102
300: Labelle_60 + 4

Pham 347042


301: Laure_103
302: Jade_91
303: Magritte_144
304: LuckyBarnes_34
305: Troglehumper_109

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 347042 Report

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

Pham number 347042 has 702 members, 83 are drafts.

Phages represented in each track:
• Track 1 : Indlulamithi_50
• Track 2 : Fowlmouth_54
• Track 3 : Cuke_50
• Track 4 : MrMiyagi_53
• Track 5 : Causa_155, StAugustine_152
• Track 6 : EastWest_82
• Track 7 : Brent_73
• Track 8 : Jawnski_72
• Track 9 : Franzy_71
• Track 10 : Piccoletto_73
• Track 11 : Beans_72
• Track 12 : King2_72
• Track 13 : NathanVaag_72
• Track 14 : TaeYoung_77, Grekaycon_77, Shade_76, BossLady_78, Martha_76
• Track 15 : JKerns_75, Jordan_77, Sonny_76, Zartrosa_78
• Track 16 : StevieBAY_78, GravityBall_77, BigDome_77, Timinator_78
• Track 17 : LeeroyJ_78
• Track 18 : Wyborn_77
• Track 19 : Sicarius2_78
• Track 20 : Pippa_77
• Track 21 : BarretLemon_78
• Track 22 : Abba_70
• Track 23 : Nostromo_71
• Track 24 : Indlovu_89
• Track 25 : LilMcDreamy_90
• Track 26 : LizLemon_85, PrinceCharming_85, Ares_85, Lephleur_85, West99_85, Blocker23_85, Sabella_85, Coffee_84, Bananafish_86, Boyle_85, Kaleb_85, Calamitous_86, Rhinoforte_85, Arbiter_82, Faze9_84, Hedgerow_85, Kolhan_86
• Track 27 : Glass_87, TA17A_88, Tinciduntsolum_86, Brownie5_85, Rosebush_83, Eaglehorse_86, Opia_86
• Track 28 : Qyrzula_76
• Track 29 : ItsyBitsy1_82
• Track 30 : FrenchFry_86
• Track 31 : Laurie_84
• Track 32 : Godines_85, Phantasmagoria_84, LilSmirk_85, Tres_85
• Track 33 : MasterPo_86
• Track 34 : Vic9_00083

• Track 35 : Kheth_85
• Track 36 : Allegro_85, Holeinone_85
• Track 37 : Lars_86
• Track 38 : Akoma_98, TinyTerror_98, LestyG_95, Daisy_96, Chandler_97, Bernardo_94, Marley1013_95, Heathcliff_97, RomaT_97, Philly_96, Audrey_97, Yahalom_95, Kamiyu_97
• Track 39 : OrangeOswald_96, Nozo_97, Chentzyk_99, HarveySr_94
• Track 40 : Mulaychimus_98, Kronus_97, Rita1961_98, Jackstina_90, Devonte_95, Chalmers_97, Olivio_97, Ben11_97, Gervas_98, Glubnar_97, Morty007_95, Casbah_97, Tydolla_93, Phayeta_99, Obutu_99, SwainyDoc_97, MmasiCarm_98, Phaedrus_92, Yinz_95, Halfpint_96, Compostia_96, Phlyer_97, Mortcellus_97, Marlia_97
• Track 41 : Corofin_97, Deenasa_98, Briakila_98, Abinghost_97, Shenandoah_97, SlippinJimmy_100, RagingRooster_97, SynergyX_98
• Track 42 : Gadjet_96, ChaChing_97, Pipefish_96, Neos5_96, Baloo_96, Athena_99
• Track 43 : GlenHope_98
• Track 44 : Stinger_89
• Track 45 : LittleDigger_91, Renkei_91
• Track 46 : Cooper_93
• Track 47 : Frederick_93, BobbyK_92, Heath_86, Zemanar_90
• Track 48 : Waleliano_91
• Track 49 : RawrgerThat_90
• Track 50 : BrownCNA_92, Prince_92, Lolalove_94
• Track 51 : Nigel_88
• Track 52 : Fortunato_89
• Track 53 : Vincenzo_91, AlanGrant_92
• Track 54 : Poster_90, Hally898_89, Antihero_91, Epah_91, Lambano_89, GinPorsche_93, Nanao_91
• Track 55 : Austelle_92
• Track 56 : Fanaw_87
• Track 57 : QueenPie_84
• Track 58 : Hydro_92, Apex_93, VioletZ_94
• Track 59 : JaguarMi_86
• Track 60 : JAMaL_92
• Track 61 : ChrisnMich_93
• Track 62 : Mudslide_93
• Track 63 : Hangman_92, Xincheng_84
• Track 64 : Magpie_88
• Track 65 : JoyceMaria_92
• Track 66 : Mithril_90
• Track 67 : Ahwei_89
• Track 68 : Mysterious_89
• Track 69 : Serendipitous_91
• Track 70 : EastView9101_90
• Track 71 : Nehemiah_89
• Track 72 : Acadian_90, Rita130_89
• Track 73 : SirJeffery_88
• Track 74 : Phelemich_87, Reprobate_89
• Track 75 : Donny_90
• Track 76 : DigitDog_92
• Track 77 : Rich_88
• Track 78 : KarasumaRum_89, StinkyVeggy_89
• Track 79 : Suigeneris_91

• Track 80 : Baee_89
• Track 81 : Shenyu_91
• Track 82 : Reccee_91
• Track 83 : Nangang_91
• Track 84 : KayaCho_90
• Track 85 : Hosp_090, 40BC_095, 39HC_095
• Track 86 : Minnow_94
• Track 87 : Jolie1_092
• Track 88 : ForDig_92
• Track 89 : Saguaro_84
• Track 90 : Knocker_89
• Track 91 : Funsized_89
• Track 92 : Quesadilla_91
• Track 93 : PenguinLover67_89
• Track 94 : Rinkes_87
• Track 95 : CRB2_89
• Track 96 : PinkiePie_3, Paradiddles_3, NootNoot_3, FreddyDRoo_3, PinkiePie_253, Bartholomune_3, Bartholomune_253, Braelyn_248, FreddyDRoo_253, NootNoot_248, Liandry_3, Squillium_255, Braelyn_3, Squillium_3, Paradiddles_244, Liandry_252
• Track 97 : Jay2Jay_5, Warpy_257, Jay2Jay_260, Warpy_5
• Track 98 : Watermoore_2, Watermoore_249, Cross_2, Leo04_2, BlueOtter_250, ArianaSWT_255, Leo04_253, Coogler_2, Coogler_248, HangryHippo_2, Cross_250, BlueOtter_2, HangryHippo_250, ArianaSWT_2
• Track 99 : Lululemon_249, PacManQ_2, Lululemon_2, PacManQ_249
• Track 100 : EGole_256, EGole_2
• Track 101 : Cursive_2, Cursive_256
• Track 102 : Larnav_252, Teutsch_249, Tribute_2, Samisti12_2, Larnav_2, Tribute_248, Samisti12_253, Sushi23_253, Sushi23_2, Teutsch_2
• Track 103 : Mildred21_266, Mildred21_3
• Track 104 : Bmoc_2, Bmoc_258
• Track 105 : Marsus_259, Marsus_2
• Track 106 : LilMartin_254, MulchMansion_258, LilMartin_2, MulchMansion_2
• Track 107 : Targaryen_2, Targaryen_253, Evy_2, Evy_240
• Track 108 : Navo_2, Navo_244
• Track 109 : Anedea_267, Anedea_2, Riptide_257, Riptide_2
• Track 110 : Eliot67_3, Eliot67_254
• Track 111 : Davielle_2, Persimmon_2, Davielle_251, WhereRU_2, WhereRU_251, Persimmon_253
• Track 112 : Angela_259, Angela_2
• Track 113 : PynkPanther_251, PynkPanther_3
• Track 114 : Scheme_256, Scheme_3, WashU_247, Pepperwood_3, WashU_3, Pepperwood_252
• Track 115 : LilSaint_3
• Track 116 : Shuckle_2, Shuckle_250
• Track 117 : Cadmus_250, Cadmus_2
• Track 118 : LilSaint_256
• Track 119 : Peebs_2, Peebs_249
• Track 120 : MindFlayer_2, JimJam_271, Amabiko_3, Rikishi_264, Spilled_2, Rikishi_2, Quaran19_3, Bordeaux_260, Amabiko_267, JimJam_3, Brizzy_2, Tuesday_3, PumpkinSpice_3, Quaran19_264, AcciDwight_273, Spilled_270, Spelly_3, AcciDwight_3, Spelly_269, MindFlayer_254, PumpkinSpice_267, Tuesday_271, Bordeaux_3

• Track 121 : Jollison_260, Starbow_260, CeilingFan_268, KentuckyRacer_270, Jollison_3, Karimac_261, Battuta_3, Daisy123_265, KentuckyRacer_2, CeilingFan_2, SaltySpitoon_3, SaltySpitoon_263, Daisy123_2, IchabodCrane_2, Battuta_260, Karimac_3, Starbow_3, Brizzy_260, IchabodCrane_255
• Track 122 : 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 123 : Wipeout_2, Wipeout_255
• Track 124 : Mugiwara_269
• Track 125 : LukeCage_2, LukeCage_265
• Track 126 : StarPlatinum_2, StarPlatinum_272
• Track 127 : Wofford_3, Wofford_261
• Track 128 : Elmer_3, Elmer_270
• Track 129 : Gibbi_273, Gibbi_2
• Track 130 : Mugiwara_2
• Track 131 : TomSawyer_2, TomSawyer_267
• Track 132 : Enygma_2, Enygma_270
• Track 133 : Tomas_258, Tomas_3
• Track 134 : Belfort_218, Comrade_215, Stigma_217, SparkleGoddess_218, Westy_222, Karp_214
• Track 135 : TunaTartare_218, Sham_210
• Track 136 : Limpid_212, Annadreamy_205
• Track 137 : Maupel_221, Gilson_218, Emma1919_221, Jada_220
• Track 138 : Patelgo_221
• Track 139 : Beuffert_213
• Track 140 : Francob_223
• Track 141 : Faust_215, SeresaTree_219
• Track 142 : Moab_220
• Track 143 : Kenrey_224
• Track 144 : Phredrick_223
• Track 145 : MeganTheeKilla_223
• Track 146 : Blueeyedbeauty_214
• Track 147 : DeluluLabubu_223, Forrest_221
• Track 148 : Grayson_185
• Track 149 : Peregrin_181
• Track 150 : Weasels2_189
• Track 151 : NiceHouse_208
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• Track 153 : RegnumDei_38
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• Track 155 : Shagrat_38
• Track 156 : CurlyFries_38
• Track 157 : Jflix2_48
• Track 158 : Madraxi_52
• Track 159 : REQ1_18
• Track 160 : Nova53_207
• Track 161 : Dorin_194
• Track 162 : Francesca_196
• Track 163 : Purplicious_1, Stillion_1
• Track 164 : ColdSoup_1, DonTron_1, Grumio_1, Jollymon_1, KingstonB_1, Soos_1, Amo99_1
• Track 165 : Clawz_1, Makar_1
• Track 166 : Sting_1

• Track 167 : RobinSparkles_123, Kampe_114, Gibbles_116, PatrickStar_114, Orchid_113
• Track 168 : Lilbeanie_90
• Track 169 : Keelan_81
• Track 170 : Guey18_85
• Track 171 : Ronaldo_83, Volt_83
• Track 172 : Fryberger_80
• Track 173 : Ziko_83
• Track 174 : CharlottesWeb_76, Coco2012_75, JellyBelly_75
• Track 175 : LittleMunchkin_79
• Track 176 : Evaa_80
• Track 177 : FelixTres_80, CaiB_80, Blackpen_78, MossRose_79
• Track 178 : Coldpizza_75
• Track 179 : TraderJ_80
• Track 180 : Fresco_80, Ligma_80, Axumite_80, Shatter_80
• Track 181 : NHagos_76
• Track 182 : BobRoss2024_83
• Track 183 : Mariokart_76
• Track 184 : AnarQue_81
• Track 185 : Yago84_77, Sisko_78
• Track 186 : Wooper_81
• Track 187 : Sour_74
• Track 188 : CloverMinnie_79
• Track 189 : Yeshua_80
• Track 190 : MakoManhole_76
• Track 191 : AksarBAT_80
• Track 192 : BiggityBass_78
• Track 193 : LittleFortune_60, Crisis_59, Germa_60, Glorp_59, Hermeonysus_57, Ganandorf_57, CrazyRich_57, Pulchra_60, Selwyn23_59, Kowalski_57, BeagleBug_57, Piperis_59, EarickHC_59, BrazzalePHS_57, Cranjis_59, Lucretia_58, Quhwah_62, Jefe_58, Antares_58, Onika_57, PhedwardCullen_57, Savannah_57, Ramiel05_57, Rockwell_57, KaiHaiDragon_59, Phorgeous_58, Yeti_59, PiperSansNom_59
• Track 194 : Smarties_67, Ariadne_67
• Track 195 : Nicole72_57
• Track 196 : PierreOrion_58
• Track 197 : RobsFeet_62
• Track 198 : Gina_61, Teamocil_61
• Track 199 : Skugga_57
• Track 200 : Honeyfin_59
• Track 201 : Shotgun_58, Jollipop_59, Paschalis_58
• Track 202 : ClearAsMud_62
• Track 203 : SirFrank_58, NoodlelyBoi_59
• Track 204 : Busephilis_57, Phrancesco_58
• Track 205 : Merry_, Sunny_
• Track 206 : Zapato_57
• Track 207 : Scumberland_59
• Track 208 : Fireman_61
• Track 209 : Tyrumbra_58, Metamorphoo_61, Shrubaron_61
• Track 210 : Jayden_60
• Track 211 : Megan_56
• Track 212 : Matzah_57
• Track 213 : Terij_55

• Track 214 : Kozie_54
• Track 215 : Cressida_58
• Track 216 : MementoMori_56
• Track 217 : Cinna_55
• Track 218 : Margaery_54
• Track 219 : EugeneKrabs_18
• Track 220 : Zhengyi_18
• Track 221 : KingKamren_18
• Track 222 : AloeVera_17, Ashton_17, Truong_17, JordanFarm_17, Barroma_17, ShyRosie_17, Waterlily_17, Akoni_17
• Track 223 : Astartes_18, RicoCaldo_18, Keough_17, Phractured_18, Phedro_18, Pharky_18, StagePhright_18, Fullmetal_18, TrippleS_17, PhriedRice_18, Moleficent_18
• Track 224 : JimmyPG_17
• Track 225 : SoilSleuth_17
• Track 226 : Morrill_17
• Track 227 : Mazun_18
• Track 228 : Yafa_17, ThirteenKH_17, Atraxi_17
• Track 229 : SJReid_179
• Track 230 : Atuin_167
• Track 231 : FrostedClock_176, Bloom_179, Talia1610_176, Racecar_176, Mimi_175
• Track 232 : Ellewin_164, BooTeria_164, Emmetator_167, WaddleDee_160, KSunshine22_169, Artu_163, DunneganBoMo_164
• Track 233 : LeoJr_176
• Track 234 : Patbob_173, GoldenEssence_162
• Track 235 : Chilliams_172
• Track 236 : Rockabye_177
• Track 237 : ReginaGlobina_180
• Track 238 : FloraSnap32_170
• Track 239 : Stewart25555_165
• Track 240 : Phrampa_167
• Track 241 : Panchaali_166
• Track 242 : Maruru_95
• Track 243 : Sunshine23_95
• Track 244 : Sonali_94
• Track 245 : Mufasa8_100
• Track 246 : Altadena_70
• Track 247 : Circuit_70
• Track 248 : Nandito_75
• Track 249 : Bolt007_73
• Track 250 : Bumble_71
• Track 251 : Lilmac1015_76, CalWood4100_76
• Track 252 : Prairie_72
• Track 253 : Klevey_76
• Track 254 : PorkBelly_31
• Track 255 : PhillyJawn_51, Dropshot_50, Guzman_50, Appa_50, Winchester007_52
• Track 256 : Phingu_53
• Track 257 : CookieDog_50, Losacky_52, Antuna_52, Jakelyne_52, Violeta_52, Carrillo_52, MenE_52
• Track 258 : ScoobySnack_47
• Track 259 : Bush_51, Blett_50, NCRodriguez_52
• Track 260 : Phonegingi_50

• Track 261 : Warren_50, Pickles13_49
• Track 262 : Mariel_51
• Track 263 : Hendrix_145
• Track 264 : Leaf_143, Dewdrop_143
• Track 265 : Rasputia_140
• Track 266 : BobtimousPrime_55, Thumb_54, Megatron06_55
• Track 267 : Puissant_51
• Track 268 : Cborch11_55
• Track 269 : Damien_54
• Track 270 : Konstantine_57
• Track 271 : Beckerton_53
• Track 272 : Phreeze_52
• Track 273 : Oaker_53
• Track 274 : Nish23_56
• Track 275 : Predator_52
• Track 276 : Barnyard_56
• Track 277 : DrLupo_57
• Track 278 : AmandaPanda_56
• Track 279 : Dulcita_146, Diminimus_146, Glaske16_148, Skinny_152, Izel_145
• Track 280 : Bricole_151, SlimJimmy_146, FreakyGoo_148, KleverKiS_151, LilhomieP_145, RoseMarie_153, TpudiCK_149
• Track 281 : PegLeg_149
• Track 282 : IPhane7_146, TyDawg_142, Auspice_149
• Track 283 : Reindeer_147
• Track 284 : Bongo_143
• Track 285 : Aziz_161
• Track 286 : Estes_161
• Track 287 : Rey_164
• Track 288 : GardenSalsa_164
• Track 289 : MrMagoo_166
• Track 290 : Nanosmite_163
• Track 291 : Rope_61
• Track 292 : Papyrus_61, Gimesa_62, MontyDev_62, Nilo_63, Candle_59, Zenon_62, Riparian_63, Send513_61, Yelo_60, Weiss13_60
• Track 293 : RedRaider77_100
• Track 294 : FeliMaine_100, VasuNzinga_98, Clarkson_101, Pringar_96, Lilbit_96, Huphlepuff_102, Corazon_95, LittleLaf_98, Marvin_94
• Track 295 : Beelzebub_104
• Track 296 : GoongGoong_100, Gattaca_99, Poise_101, Blackbeetle_101, MosMoris_96, JoieB_101
• Track 297 : Caprice_100
• Track 298 : Tesla_96
• Track 299 : Raela_102
• Track 300 : Labelle_60, Patience_61, SuperSonics_60, Madruga_59, Demikore_61
• Track 301 : Laure_176
• Track 302 : Jace_91
• Track 303 : Magritte_144
• Track 304 : LuckyBarnes_34
• Track 305 : Trogglehumper_109

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

The start number called the most often in the published annotations is 114, it was called in 161 of the 619 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, AnarQue_81, Antihero_91, Apex_93, Arbiter_82, Ares_85, Artu_163, 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_164, Boyle_85, Briakila_98, BrownCNA_92, Brownie5_85, CRB2_89, CaiB_80, Calamitous_86, Casbah_97, Chalmers_97, CharlottesWeb_76, Chilliams_172, ChrisnMich_93, Coco2012_75, Coffee_84, Coldpizza_75, Compostia_96, Cooper_93, Corofin_97, Deenasa_98, Devonte_95, DigitDog_92, Donny_90, DunneganBoMo_164, Eaglehorse_86, EastView9101_90, Ellewin_164, Emmetator_167, Epah_91, Evaa_80, Fanaw_87, Faze9_84, FelixTres_80, FloraSnap32_170, ForDig_92, Fortunato_89, Frederick_93, FrenchFry_86, Fresco_80, FrostedClock_176, Funsized_89, Gervas_98, GinPorsche_93, Glass_87, GlenHope_98, Glubnar_97, Godines_85, GoldenEssence_162, 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, JoyceMaria_92, KSunshine22_169, Kaleb_85, KarasumaRum_89, KayaCho_90, Kheth_85, Knocker_89, Kolhan_86, Kronus_97, Lambano_89, Lars_86, Laure_176, Laurie_84, LeoJr_176, Lephleur_85, Ligma_80, LilMcDreamy_90, LilSmirk_85, LittleDigger_91, LittleMunchkin_79, LizLemon_85, Lolalove_94, LuckyBarnes_34, Magpie_88, Magritte_144, MakoManhole_76, Mariokart_76, Marlia_97, Maruru_95, MasterPo_86, Mimi_175, Minnow_94, Mithril_90, MmasiCarm_98, Mortcellus_97, Morty007_95, MossRose_79, Mudslide_93, Mufasa8_100, Mulaychimus_98, Mysterious_89, NHagos_76, Nanao_91, Nangang_91, Nehemiah_89, Nigel_88, Obutu_99, Olivio_97, Opia_86, Panchaali_166, Patbob_173, PenguinLover67_89, Phaedrus_92, Phantasmagoria_84, Phayeta_99, Phelemich_87, Phlyer_97, Phrampa_167, Poster_90, PrinceCharming_85, Prince_92, 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_177, Rosebush_83, SJReid_179, Sabella_85, Serendipitous_91, Shatter_80, Shenandoah_97, Shenyu_91, SirJeffery_88, Sisko_78, SlippinJimmy_100, Sonali_94, Sour_74, Stewart25555_165, Stinger_89, StinkyVeggy_89, Suigeneris_91, Sunshine23_95, SwainyDoc_97, SynergyX_98, TA17A_88, Talia1610_176, Tinciduntsolum_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, Athena_99, Audrey_97, Baloo_96, Bernardo_94, ChaChing_97, Chandler_97, Chentzyk_99, CloverMinnie_79, Daisy_96, Gadjet_96, HarveySr_94, Heathcliff_97, Kamiyu_97, LestyG_95, Marley1013_95, Neos5_96, Nozo_97, OrangeOswald_96, Philly_96, Pipefish_96, Qyrzula_76, RomaT_97, Saguaro_84, TinyTerror_98, 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, AmandaPanda_56, Amo99_1, Anedea_2, Anedea_267, Angela_2, Angela_259, AngryGiraffe_260, AngryGiraffe_4, Annadreamy_205,

Antares_58, Antuna_52, Appa_50, Ariadne_67, ArianaSWT_2, ArianaSWT_255, Ashton_17, Astartes_18, Atraxi_17, Auspice_149, Aziz_161, Barnyard_56, BarretLemon_78, Barroma_17, Bartholomune_253, Bartholomune_3, Battuta_260, Battuta_3, BeagleBug_57, Beans_72, Beckerton_53, Beelzebub_104, Belfort_218, Beuffert_213, BigDome_77, Blackbeetle_101, Blett_50, BlueOtter_2, BlueOtter_250, Blueeyedbeauty_214, Bmoc_2, Bmoc_258, BobtimousPrime_55, Bolt007_73, Bongo_143, BoomerJR_259, BoomerJR_4, Bordeaux_260, Bordeaux_3, BossLady_78, Braelyn_248, Braelyn_3, BrazzalePHS_57, Brent_73, Bricole_151, Brizzy_2, Brizzy_260, Bumble_71, Busephilis_57, Bush_51, Cadmus_2, Cadmus_250, CalWood4100_76, Candle_59, Caprice_100, Carrillo_52, Causa_155, Cborch11_55, CeilingFan_2, CeilingFan_268, Cinna_55, Circuit_70, Clarkson_101, Clawz_1, ClearAsMud_62, ColdSoup_1, Comrade_215, Coogler_2, Coogler_248, CookieDog_50, Corazon_95, Cranjis_59, CrazyRich_57, Cressida_58, Crisis_59, Cross_2, Cross_250, Cuke_50, CurlyFries_38, Cursive_2, Cursive_256, Daisy123_2, Daisy123_265, Damien_54, Davielle_2, Davielle_251, DeluluLabubu_223, Demikore_61, Dewdrop_143, Diminimus_146, DonTron_1, Dorin_194, DrLupo_57, Dropshot_50, Dulcita_146, EGole_2, EGole_256, EarickHC_59, EastWest_82, Eliot67_254, Eliot67_3, Elmer_270, Elmer_3, Emma1919_221, Enygma_2, Enygma_270, Estes_161, EugeneKrabs_18, Evy_2, Evy_240, Faust_215, FeliMaine_100, Fireman_61, Forrest_221, Fowlmouth_54, Francesca_196, Francob_223, Franzy_71, FreakyGoo_148, FreddyDRoo_253, FreddyDRoo_3, Fryberger_80, Fullmetal_18, Ganandorf_57, GardenSalsa_164, Gattaca_99, Genie2_259, Genie2_4, Germa_60, Gibbi_2, Gibbi_273, Gibbles_116, Gilson_218, Gimesa_62, Gina_61, Glaske16_148, Glorp_59, GoongGoong_100, GravityBall_77, Grayson_185, Grekaycon_77, Grumio_1, Guey18_85, Guzman_50, HangryHippo_2, HangryHippo_250, Hendrix_145, Hermeonysus_57, Honeyfin_59, Huphlepuff_102, IPhane7_146, IchabodCrane_2, IchabodCrane_255, Indlulamithi_50, Izel_145, JKerns_75, Jada_220, Jakelyne_52, Jawnski_72, Jay2Jay_260, Jay2Jay_5, Jayden_60, Jefe_58, Jflix2_48, JimJam_271, JimJam_3, JimmyPG_17, JoieB_101, Jollipop_59, Jollison_260, Jollison_3, Jollymon_1, JordanFarm_17, Jordan_77, KaiHaiDragon_59, Kampe_114, Karimac_261, Karimac_3, Karp_214, Keelan_81, Kenrey_224, KentuckyRacer_2, KentuckyRacer_270, Keough_17, King2_72, KingKamren_18, KingstonB_1, KleverKiS_151, Klevey_76, Konstantine_57, Kowalski_57, Kozie_54, Labelle_60, 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, Lilbit_96, LilhomieP_145, Lilmac1015_76, Limpid_212, LittleFortune_60, LittleLaf_98, Losacky_52, Lucretia_58, LukeCage_2, LukeCage_265, Lululemon_2, Lululemon_249, Madraxi_52, Madruga_59, Makar_1, Margaery_54, Mariel_51, Marsus_2, Marsus_259, Martha_76, Marvin_94, Matzah_57, Maupel_221, Mazun_18, MeganTheeKilla_223, Megan_56, Megatron06_55, MementoMori_56, MenE_52, Merry_, Metamorphoo_61, Mildred21_266, Mildred21_3, MindFlayer_2, MindFlayer_254, Moab_220, Moleficent_18, MontyDev_62, Morrill_17, MosMoris_96, MrMagoo_166, MrMiyagi_53, Mugiwara_2, Mugiwara_269, MulchMansion_2, MulchMansion_258, NCRodriguez_52, Nandito_75, Nanosmite_163, NathanVaag_72, Navo_2, Navo_244, NiceHouse_208, Nicole72_57, Nilo_63, Nish23_56, NoodlelyBoi_59, NootNoot_248, NootNoot_3, Nostromo_71, Nova53_207, Oaker_53, Onika_57, Orchid_113, PacManQ_2, PacManQ_249, Papyrus_61, Paradiddles_244, Paradiddles_3, Paschalis_58, Patelgo_221, Patience_61, PatrickStar_114, Peebs_2, Peebs_249, PegLeg_149, Pepperwood_252, Pepperwood_3, Peregrin_181, Persimmon_2, Persimmon_253, Pharky_18, Phedro_18, PhedwardCullen_57, PhillyJawn_51, Phingu_53, Phonegingi_50, Phorgeous_58, Phractured_18, Phrancesco_58, Phredrick_223, Phreeze_52, PhriedRice_18, Piccoletto_73,

Pickles13_49, PierreOrion_58, PinkiePie_253, PinkiePie_3, PiperSansNom_59, Piperis_59, Pippa_77, Poise_101, PorkBelly_31, Prairie_72, Predator_52, Pringar_96, Puissant_51, Pulchra_60, PumpkinSpice_267, PumpkinSpice_3, Purplicious_1, PynkPanther_251, PynkPanther_3, Quaran19_264, Quaran19_3, Quhwah_62, REQ1_18, Raela_102, Ramiel05_57, Rasputia_140, RedRaider77_100, RegnumDei_38, Reindeer_147, Rey_164, RicoCaldo_18, Rikishi_2, Rikishi_264, Riparian_63, Riptide_2, Riptide_257, RobinSparkles_123, RobsFeet_62, Rockwell_57, Ronaldo_83, Rope_61, RoseMarie_153, SFuller_47, SaltySpitoon_263, SaltySpitoon_3, Samisti12_2, Samisti12_253, Savannah_57, Scheme_256, Scheme_3, ScoobySnack_47, Scumberland_59, Selwyn23_59, Send513_61, SeresaTree_219, Shade_76, Shagrat_38, Sham_210, Shotgun_58, Shrubaron_61, Shuckle_2, Shuckle_250, ShyRosie_17, Sicarius2_78, SirFrank_58, Skinny_152, Skugga_57, SlimJimmy_146, Smarties_67, SoilSleuth_17, Sollertia_260, Sollertia_4, Sonny_76, Soos_1, 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, Stillion_1, Sting_1, Sunny_, SuperSonics_60, Sushi23_2, Sushi23_253, TaeYoung_77, Targaryen_2, Targaryen_253, Teamocil_61, Terij_55, Tesla_96, Teutsch_2, Teutsch_249, ThirteenKH_17, Thumb_54, Timinator_78, TomSawyer_2, TomSawyer_267, Tomas_258, Tomas_3, TpudiCK_149, Tribute_2, Tribute_248, Trina_210, TrippleS_17, Trogglehumper_109, Truong_17, Tuesday_271, Tuesday_3, TunaTartare_218, TyDawg_142, Tyrumbra_58, VasuNzinga_98, Violeta_52, Volt_83, Warpy_257, Warpy_5, Warren_50, WashU_247, WashU_3, Waterlily_17, Watermoore_2, Watermoore_249, Weasels2_189, Weiss13_60, Westy_222, WhereRU_2, WhereRU_251, Winchester007_52, Wipeout_2, Wipeout_255, Wofford_261, Wofford_3, Wyborn_77, Yaboi_265, Yaboi_4, Yafa_17, Yelo_60, Yeti_59, Zapato_57, Zartrosa_78, Zenon_62, Zhengyi_18, Ziko_83,

Summary by start number:

Start 16:
• Found in 2 of 702 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 619
• Called 50.0% of time when present
• Phage (with cluster) where this start called: DrLupo_57 (H2),

Start 22:
• Found in 1 of 702 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 619
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Barnyard_56 (H2),

Start 31:
• Found in 3 of 702 (0.4%) of genes in pham
• No Manual Annotations of this start.
• Called 33.3% of time when present
• Phage (with cluster) where this start called: AmandaPanda_56 (H2),

Start 33:
• Found in 6 of 702 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 619
• Called 16.7% of time when present

• Phage (with cluster) where this start called: CloverMinnie_79 (DR),

Start 42:
• Found in 70 of 702 (10.0%) of genes in pham
• Manual Annotations of this start: 7 of 619
• Called 10.0% of time when present
• Phage (with cluster) where this start called: Athena_99 (B3), Baloo_96 (B3), ChaChing_97 (B3), Gadjet_96 (B3), Mugiwara_2 (BE2), Neos5_96 (B3), Pipefish_96 (B3),

Start 43:
• Found in 28 of 702 (4.0%) of genes in pham
• No Manual Annotations of this start.
• Called 7.1% of time when present
• Phage (with cluster) where this start called: Eliot67_254 (BE1), Eliot67_3 (BE1),

Start 45:
• Found in 30 of 702 (4.3%) of genes in pham
• Manual Annotations of this start: 4 of 619
• Called 13.3% of time when present
• Phage (with cluster) where this start called: EGole_2 (BE1), EGole_256 (BE1), Peebs_2 (BE1), Peebs_249 (BE1),

Start 62:
• Found in 6 of 702 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 619
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Saguaro_84 (B7),

Start 63:
• Found in 10 of 702 (1.4%) of genes in pham
• Manual Annotations of this start: 2 of 619
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Cborch11_55 (H1), Damien_54 (H1),

Start 67:
• Found in 63 of 702 (9.0%) of genes in pham
• Manual Annotations of this start: 4 of 619
• Called 6.3% of time when present
• Phage (with cluster) where this start called: Jay2Jay_260 (BE1), Jay2Jay_5 (BE1), Warpy_257 (BE1), Warpy_5 (BE1),

Start 68:
• Found in 2 of 702 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 619
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Causa_155 (AI), StAugustine_152 (AI),

Start 69:
• Found in 14 of 702 (2.0%) of genes in pham
• Manual Annotations of this start: 1 of 619
• Called 7.1% of time when present
• Phage (with cluster) where this start called: Indlulamithi_50 (AC),

Start 72:
• Found in 15 of 702 (2.1%) of genes in pham
• Manual Annotations of this start: 13 of 619
• Called 93.3% of time when present
• Phage (with cluster) where this start called: Candle_59 (R), Cuke_50 (AC), Fowlmouth_54 (AC), Gimesa_62 (R), MontyDev_62 (R), MrMiyagi_53 (AC), Nilo_63 (R), Papyrus_61 (R), Riparian_63 (R), Rope_61 (R), Send513_61 (R), Weiss13_60 (R), Yelo_60 (R), Zenon_62 (R),

Start 73:
• Found in 2 of 702 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 619
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Predator_52 (H1),

Start 74:
• Found in 13 of 702 (1.9%) of genes in pham
• Manual Annotations of this start: 2 of 619
• Called 15.4% of time when present
• Phage (with cluster) where this start called: Puissant_51 (H1), Rey_164 (M2),

Start 75:
• Found in 10 of 702 (1.4%) of genes in pham
• Manual Annotations of this start: 7 of 619
• Called 80.0% of time when present
• Phage (with cluster) where this start called: Beckerton_53 (H1), BobtimousPrime_55 (H1), Konstantine_57 (H1), Megatron06_55 (H1), Nish23_56 (H1), Oaker_53 (H1), Phreeze_52 (H1), Thumb_54 (H1),

Start 76:
• Found in 29 of 702 (4.1%) of genes in pham
• Manual Annotations of this start: 6 of 619
• Called 20.7% of time when present
• Phage (with cluster) where this start called: Diminimus_146 (M1), Dulcita_146 (M1), Glaske16_148 (M1), Izel_145 (M1), PegLeg_149 (M1), Skinny_152 (M1),

Start 78:
• Found in 8 of 702 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 619
• Called 12.5% of time when present
• Phage (with cluster) where this start called: RedRaider77_100 (S),

Start 82:
• Found in 42 of 702 (6.0%) of genes in pham
• Manual Annotations of this start: 16 of 619
• Called 45.2% 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_52 (GA), Losacky_52 (GA), Mariel_51 (GA), MenE_52 (GA), NCRodriguez_52 (GA), PhillyJawn_51 (GA), Phingu_53 (GA), Pickles13_49 (GA), Violeta_52 (GA), Warren_50 (GA), Winchester007_52 (GA),

Start 85:
• Found in 86 of 702 (12.3%) of genes in pham
• Manual Annotations of this start: 17 of 619
• Called 19.8% 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 86:
• Found in 17 of 702 (2.4%) of genes in pham
• Manual Annotations of this start: 1 of 619
• Called 5.9% of time when present
• Phage (with cluster) where this start called: Beelzebub_104 (S),

Start 94:
• Found in 3 of 702 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 619
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Beans_72 (AO1), Piccoletto_73 (AO1),

Start 96:
• Found in 46 of 702 (6.6%) of genes in pham
• Manual Annotations of this start: 21 of 619
• Called 54.3% 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), Quaran19_264 (BE2), Quaran19_3 (BE2), Rikishi_2 (BE2), Rikishi_264 (BE2), Spelly_269 (BE2), Spelly_3 (BE2), Spilled_2 (BE2), Spilled_270 (BE2), Tuesday_271 (BE2), Tuesday_3 (BE2), Wipeout_2 (BE2), Wipeout_255 (BE2),

Start 99:
• Found in 2 of 702 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 619
• Called 50.0% of time when present
• Phage (with cluster) where this start called: LilSaint_3 (BE1),

Start 101:
• Found in 4 of 702 (0.6%) of genes in pham
• Manual Annotations of this start: 2 of 619
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Franzy_71 (AO1), Jawnski_72 (AO1),

Start 105:
• Found in 29 of 702 (4.1%) of genes in pham
• Manual Annotations of this start: 1 of 619
• Called 6.9% of time when present
• Phage (with cluster) where this start called: Phonegingi_50 (GA), ScoobySnack_47 (GA),

Start 107:
• Found in 5 of 702 (0.7%) of genes in pham
• Manual Annotations of this start: 4 of 619
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Demikore_61 (U), Labelle_60 (U), Madruga_59 (U), Patience_61 (U), SuperSonics_60 (U),

Start 108:
• Found in 5 of 702 (0.7%) of genes in pham
• Manual Annotations of this start: 2 of 619
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Madraxi_52 (CF), RegnumDei_38 (CF),

Start 109:
• Found in 12 of 702 (1.7%) of genes in pham
• Manual Annotations of this start: 7 of 619
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Amo99_1 (CP), Clawz_1 (CP), ColdSoup_1 (CP), DonTron_1 (CP), Grumio_1 (CP), Jollymon_1 (CP), KingstonB_1 (CP), Makar_1 (CP), Purplicious_1 (CP), Soos_1 (CP), Stillion_1 (CP), Sting_1 (CP),

Start 111:
• Found in 41 of 702 (5.8%) of genes in pham
• Manual Annotations of this start: 34 of 619
• Called 85.4% of time when present
• Phage (with cluster) where this start called: Blackbeetle_101 (S), Caprice_100 (S), Clarkson_101 (S), Corazon_95 (S), CurlyFries_38 (CF), FeliMaine_100 (S), Fryberger_80 (DP), Gattaca_99 (S), Gibbles_116 (CX), GoongGoong_100 (S), Guey18_85 (DP), Huphlepuff_102 (S), Jflix2_48 (CF), JoieB_101 (S), Kampe_114 (CX), Keelan_81 (DP), Lilbit_96 (S), LittleLaf_98 (S), Marvin_94 (S), MosMoris_96 (S), Orchid_113 (CX), PatrickStar_114 (CX), Poise_101 (S), Pringar_96 (S), REQ1_18 (CF), Raela_102 (S), RobinSparkles_123 (CX), Ronaldo_83 (DP), SFuller_47 (CF), Shagrat_38 (CF), Tesla_96 (S), Trogglehumper_109 (singleton), VasuNzinga_98 (S), Volt_83 (DP), Ziko_83 (DP),

Start 112:
• Found in 21 of 702 (3.0%) of genes in pham
• Manual Annotations of this start: 9 of 619
• Called 42.9% 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 113:
• Found in 20 of 702 (2.8%) of genes in pham
• Manual Annotations of this start: 18 of 619
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DeluluLabubu_223 (BK1), Dorin_194 (CG), Emma1919_221 (BK1), Faust_215 (BK1), Forrest_221 (BK1), Francesca_196 (CG), Gilson_218 (BK1), Grayson_185 (CB), Jada_220 (BK1), Kenrey_224 (BK1), Maupel_221 (BK1), MeganTheeKilla_223 (BK1), Nova53_207 (CG), Peregrin_181 (CB), Phredrick_223 (BK1), SeresaTree_219 (BK1), Sham_210 (BK1), Trina_210 (CE), TunaTartare_218 (BK1), Weasels2_189 (CB),

Start 114:
• Found in 229 of 702 (32.6%) of genes in pham
• Manual Annotations of this start: 161 of 619
• Called 88.6% 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), AnarQue_81 (DR), Antihero_91 (B4), Apex_93 (B4), Arbiter_82 (B2), Ares_85 (B2), Artu_163 (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_164 (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), Coco2012_75 (DR), Coffee_84 (B2), Coldpizza_75 (DR), Compostia_96 (B3), Cooper_93 (B4), Corofin_97 (B3), Deenasa_98 (B3), Devonte_95 (B3), DigitDog_92 (B5), Donny_90 (B5), 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_170 (FC), ForDig_92 (B6), Fortunato_89 (B4), Frederick_93 (B4), FrenchFry_86 (B2), Fresco_80 (DR), FrostedClock_176 (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), 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), JoyceMaria_92 (B4), KSunshine22_169 (FC), Kaleb_85 (B2), KarasumaRum_89 (B5), KayaCho_90 (B6), Kheth_85 (B2), 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), MakoManhole_76 (DR), Mariokart_76 (DR), Marlia_97 (B3), Maruru_95 (FG), MasterPo_86 (B2), Mimi_175 (FC), Minnow_94 (B6), Mithril_90 (B4), MmasiCarm_98 (B3), Mortcellus_97 (B3), Morty007_95 (B3), MossRose_79 (DR), Mudslide_93 (B4), Mufasa8_100 (FG), Mulaychimus_98 (B3), Mysterious_89 (B5), NHagos_76 (DR), Nanao_91 (B4), Nangang_91 (B5), Nehemiah_89 (B5), Nigel_88 (B4), Obutu_99 (B3), Olivio_97 (B3), Opia_86 (B2), Panchaali_166 (FC), Patbob_173 (FC), PenguinLover67_89 (B9), Phaedrus_92 (B3), Phantasmagoria_84 (B2), Phayeta_99 (B3), Phelemich_87 (B5), Phlyer_97 (B3), Phrampa_167 (FC), Poster_90 (B4), PrinceCharming_85 (B2), Prince_92 (B4), 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_177 (FC), Rosebush_83 (B2), SJReid_179 (FC), Sabella_85 (B2), Serendipitous_91 (B5), Shatter_80 (DR), Shenandoah_97 (B3), Shenyu_91 (B5), SirJeffery_88 (B5), Sisko_78 (DR), SlippinJimmy_100 (B3), Sonali_94 (FG), Sour_74 (DR), Stewart25555_165 (FC), Stinger_89 (B4), StinkyVeggy_89 (B5), Suigeneris_91 (B5), Sunshine23_95 (FG), SwainyDoc_97 (B3), SynergyX_98 (B3), TA17A_88 (B2), Talia1610_176 (FC), Tinciduntsolum_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 115:
• Found in 4 of 702 (0.6%) of genes in pham
• Manual Annotations of this start: 4 of 619
• 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 116:
• Found in 173 of 702 (24.6%) of genes in pham
• Manual Annotations of this start: 134 of 619
• Called 78.6% 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), ArianaSWT_2 (BE1), ArianaSWT_255 (BE1), 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), Daisy123_2 (BE2), Daisy123_265 (BE2), Davielle_2 (BE1), Davielle_251 (BE1), Elmer_270 (BE2), Elmer_3 (BE2), Enygma_2 (BE2), Enygma_270 (BE2), Evy_2 (BE1), Evy_240 (BE1), FreddyDRoo_253 (BE1), FreddyDRoo_3 (BE1), Genie2_259 (BE2), Genie2_4 (BE2), Gibbi_2 (BE2), Gibbi_273 (BE2), HangryHippo_2 (BE1), HangryHippo_250 (BE1), IchabodCrane_2 (BE2), IchabodCrane_255 (BE2), Jollison_260 (BE2), Jollison_3 (BE2), Karimac_261 (BE2), Karimac_3 (BE2), 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), 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), PinkiePie_253 (BE1), PinkiePie_3 (BE1), PynkPanther_251 (BE1), PynkPanther_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), 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), Teutsch_2 (BE1), Teutsch_249 (BE1), TomSawyer_2 (BE2), TomSawyer_267 (BE2), Tomas_258 (BE2), Tomas_3 (BE2), Tribute_2 (BE1), Tribute_248 (BE1), WashU_247 (BE1), WashU_3 (BE1), 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 117:
• Found in 6 of 702 (0.9%) of genes in pham

• Manual Annotations of this start: 2 of 619
• Called 33.3% of time when present
• Phage (with cluster) where this start called: BarretLemon_78 (AO2), LeeroyJ_78 (AO2),

Start 121:
• Found in 28 of 702 (4.0%) of genes in pham
• Manual Annotations of this start: 22 of 619
• 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 122:
• Found in 26 of 702 (3.7%) of genes in pham
• Manual Annotations of this start: 14 of 619
• Called 65.4% of time when present
• Phage (with cluster) where this start called: Auspice_149 (M1), Aziz_161 (M2), Bongo_143 (M1), Bricole_151 (M1), Estes_161 (M2), FreakyGoo_148 (M1), GardenSalsa_164 (M2), IPhane7_146 (M1), KleverKiS_151 (M1), Lilbeanie_90 (DE5), LilhomieP_145 (M1), MrMagoo_166 (M2), Nanosmite_163 (M3), RoseMarie_153 (M1), SlimJimmy_146 (M1), TpudiCK_149 (M1), TyDawg_142 (M1),

Start 123:
• Found in 12 of 702 (1.7%) of genes in pham
• Manual Annotations of this start: 1 of 619
• Called 8.3% of time when present
• Phage (with cluster) where this start called: Reindeer_147 (M1),

Start 124:
• Found in 2 of 702 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 619
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CalWood4100_76 (FH), Lilmac1015_76 (FH),

Start 126:
• Found in 7 of 702 (1.0%) of genes in pham
• Manual Annotations of this start: 6 of 619
• 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), Nandito_75 (FH), Prairie_72 (FH),

Start 127:
• Found in 42 of 702 (6.0%) of genes in pham
• Manual Annotations of this start: 37 of 619
• 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), Kozie_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), Phractured_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 128:
• Found in 127 of 702 (18.1%) of genes in pham
• Manual Annotations of this start: 1 of 619
• Called 0.8% of time when present
• Phage (with cluster) where this start called: Qyrzula_76 (B2),

Start 131:
• Found in 31 of 702 (4.4%) of genes in pham
• No Manual Annotations of this start.
• Called 3.2% of time when present
• Phage (with cluster) where this start called: PorkBelly_31 (FJ),

Start 133:
• Found in 50 of 702 (7.1%) of genes in pham
• Manual Annotations of this start: 42 of 619
• Called 92.0% of time when present
• Phage (with cluster) where this start called: Antares_58 (EC), BeagleBug_57 (EC), BrazzalePHS_57 (EC), Busephilis_57 (EC), ClearAsMud_62 (EC), Cranjis_59 (EC), CrazyRich_57 (EC), Crisis_59 (EC), EarickHC_59 (EC), Fireman_61 (EC), Ganandorf_57 (EC), Germa_60 (EC), Glorp_59 (EC), Hermeonysus_57 (EC), Honeyfin_59 (EC), Jefe_58 (EC), Jollipop_59 (EC), KaiHaiDragon_59 (EC), Kowalski_57 (EC), LittleFortune_60 (EC), Lucretia_58 (EC), Merry_ (EC), Metamorphoo_61 (EC), NoodlelyBoi_59 (EC), Onika_57 (EC), Paschalis_58 (EC), PhedwardCullen_57 (EC), Phorgeous_58 (EC), Phrancesco_58 (EC), PierreOrion_58 (EC), PiperSansNom_59 (EC), Piperis_59 (EC), Pulchra_60 (EC), Quhwah_62 (EC), Ramiel05_57 (EC), RobsFeet_62 (EC), Rockwell_57 (EC), Savannah_57 (EC), Scumberland_59 (EC), Selwyn23_59 (EC), Shotgun_58 (EC), Shrubaron_61 (EC), SirFrank_58 (EC), Sunny_ (EC), Tyrumbra_58 (EC), Yeti_59 (EC),

Start 134:
• Found in 7 of 702 (1.0%) of genes in pham
• Manual Annotations of this start: 5 of 619
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Ariadne_67 (EC), Gina_61 (EC), Jayden_60 (EC), Skugga_57 (EC), Smarties_67 (EC), Teamocil_61 (EC), Zapato_57 (EC),

Summary by clusters:

There are 47 clusters represented in this pham: singleton, GA, FG, DE5, B12, FC, M1, CE, M2, FH, FJ, DR, AO3, DP, UNK, B11, B7, AC, EI, EK, AI, CB, CG, CF, EC, S, CX, U, AO2, AO1, CP, M3, AO, H1, H2, B9, B4, B5, B6, R, B2, B3, BE2, GC, BE1, EK2, BK1,

Info for manual annotations of cluster AC:
•Start number 69 was manually annotated 1 time for cluster AC.
•Start number 72 was manually annotated 3 times for cluster AC.

Info for manual annotations of cluster AI:
•Start number 68 was manually annotated 2 times for cluster AI.

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

Info for manual annotations of cluster AO1:
•Start number 94 was manually annotated 2 times for cluster AO1.
•Start number 101 was manually annotated 2 times for cluster AO1.
•Start number 121 was manually annotated 3 times for cluster AO1.

Info for manual annotations of cluster AO2:
•Start number 117 was manually annotated 2 times for cluster AO2.
•Start number 121 was manually annotated 16 times for cluster AO2.

Info for manual annotations of cluster AO3:
•Start number 121 was manually annotated 2 times for cluster AO3.

Info for manual annotations of cluster B11:
•Start number 114 was manually annotated 1 time for cluster B11.

Info for manual annotations of cluster B12:
•Start number 114 was manually annotated 1 time for cluster B12.

Info for manual annotations of cluster B2:
•Start number 114 was manually annotated 36 times for cluster B2.
•Start number 128 was manually annotated 1 time for cluster B2.

Info for manual annotations of cluster B3:
•Start number 42 was manually annotated 6 times for cluster B3.
•Start number 85 was manually annotated 17 times for cluster B3.
•Start number 114 was manually annotated 30 times for cluster B3.

Info for manual annotations of cluster B4:
•Start number 114 was manually annotated 29 times for cluster B4.

Info for manual annotations of cluster B5:
•Start number 114 was manually annotated 11 times for cluster B5.

Info for manual annotations of cluster B6:
•Start number 114 was manually annotated 2 times for cluster B6.

Info for manual annotations of cluster B7:
•Start number 62 was manually annotated 1 time for cluster B7.

Info for manual annotations of cluster B9:
•Start number 114 was manually annotated 6 times for cluster B9.

Info for manual annotations of cluster BE1:

•Start number 45 was manually annotated 4 times for cluster BE1.
•Start number 67 was manually annotated 4 times for cluster BE1.
•Start number 99 was manually annotated 1 time for cluster BE1.
•Start number 116 was manually annotated 87 times for cluster BE1.

Info for manual annotations of cluster BE2:
•Start number 42 was manually annotated 1 time for cluster BE2.
•Start number 96 was manually annotated 21 times for cluster BE2.
•Start number 116 was manually annotated 46 times for cluster BE2.

Info for manual annotations of cluster BK1:
•Start number 112 was manually annotated 9 times for cluster BK1.
•Start number 113 was manually annotated 11 times for cluster BK1.
•Start number 115 was manually annotated 4 times for cluster BK1.

Info for manual annotations of cluster CB:
•Start number 113 was manually annotated 3 times for cluster CB.

Info for manual annotations of cluster CE:
•Start number 113 was manually annotated 1 time for cluster CE.
•Start number 116 was manually annotated 1 time for cluster CE.

Info for manual annotations of cluster CF:
•Start number 108 was manually annotated 2 times for cluster CF.
•Start number 111 was manually annotated 4 times for cluster CF.

Info for manual annotations of cluster CG:
•Start number 113 was manually annotated 3 times for cluster CG.

Info for manual annotations of cluster CP:
•Start number 109 was manually annotated 7 times for cluster CP.

Info for manual annotations of cluster CX:
•Start number 111 was manually annotated 5 times for cluster CX.

Info for manual annotations of cluster DE5:
•Start number 122 was manually annotated 1 time for cluster DE5.

Info for manual annotations of cluster DP:
•Start number 111 was manually annotated 6 times for cluster DP.

Info for manual annotations of cluster DR:
•Start number 33 was manually annotated 1 time for cluster DR.
•Start number 114 was manually annotated 21 times for cluster DR.

Info for manual annotations of cluster EC:
•Start number 127 was manually annotated 2 times for cluster EC.
•Start number 133 was manually annotated 42 times for cluster EC.
•Start number 134 was manually annotated 5 times for cluster EC.

Info for manual annotations of cluster EI:
•Start number 127 was manually annotated 7 times for cluster EI.

Info for manual annotations of cluster EK:
•Start number 127 was manually annotated 3 times for cluster EK.

Info for manual annotations of cluster EK2:
•Start number 127 was manually annotated 21 times for cluster EK2.

Info for manual annotations of cluster FC:
•Start number 114 was manually annotated 17 times for cluster FC.

Info for manual annotations of cluster FG:
•Start number 114 was manually annotated 4 times for cluster FG.

Info for manual annotations of cluster FH:
•Start number 124 was manually annotated 1 time for cluster FH.
•Start number 126 was manually annotated 6 times for cluster FH.

Info for manual annotations of cluster GA:
•Start number 82 was manually annotated 16 times for cluster GA.
•Start number 105 was manually annotated 1 time for cluster GA.

Info for manual annotations of cluster GC:
•Start number 127 was manually annotated 4 times for cluster GC.

Info for manual annotations of cluster H1:
•Start number 63 was manually annotated 2 times for cluster H1.
•Start number 73 was manually annotated 1 time for cluster H1.
•Start number 74 was manually annotated 1 time for cluster H1.
•Start number 75 was manually annotated 7 times for cluster H1.

Info for manual annotations of cluster H2:
•Start number 16 was manually annotated 1 time for cluster H2.
•Start number 22 was manually annotated 1 time for cluster H2.

Info for manual annotations of cluster M1:
•Start number 76 was manually annotated 6 times for cluster M1.
•Start number 122 was manually annotated 8 times for cluster M1.
•Start number 123 was manually annotated 1 time for cluster M1.

Info for manual annotations of cluster M2:
•Start number 74 was manually annotated 1 time for cluster M2.
•Start number 122 was manually annotated 4 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 122 was manually annotated 1 time for cluster M3.

Info for manual annotations of cluster R:
•Start number 72 was manually annotated 10 times for cluster R.

Info for manual annotations of cluster S:
•Start number 78 was manually annotated 1 time for cluster S.
•Start number 86 was manually annotated 1 time for cluster S.
•Start number 111 was manually annotated 18 times for cluster S.

Info for manual annotations of cluster U:
•Start number 107 was manually annotated 4 times for cluster U.

Gene Information:

Gene: 39HC_095 Start: 69471, Stop: 68434, Start Num: 114
Candidate Starts for 39HC_095:
(70, 69552), (Start: 114 @69471 has 161 MA's), (Start: 128 @69441 has 1 MA's), (136, 69399), (150, 69357), (164, 69324), (173, 69291), (191, 69270), (200, 69261), (226, 69198), (257, 69066), (259, 69060), (260, 69048), (293, 68940), (296, 68931), (300, 68910), (310, 68883), (343, 68760), (348, 68745), (384, 68628), (405, 68565), (433, 68493),

Gene: 40BC_095 Start: 69471, Stop: 68434, Start Num: 114
Candidate Starts for 40BC_095:
(70, 69552), (Start: 114 @69471 has 161 MA's), (Start: 128 @69441 has 1 MA's), (136, 69399), (150, 69357), (164, 69324), (173, 69291), (191, 69270), (200, 69261), (226, 69198), (257, 69066), (259, 69060), (260, 69048), (293, 68940), (296, 68931), (300, 68910), (310, 68883), (343, 68760), (348, 68745), (384, 68628), (405, 68565), (433, 68493),

Gene: Abba_70 Start: 45948, Stop: 44947, Start Num: 121
Candidate Starts for Abba_70:
(Start: 121 @45948 has 22 MA's), (157, 45855), (204, 45753), (209, 45732), (224, 45699), (251, 45588), (257, 45558), (260, 45540), (289, 45456), (293, 45447), (302, 45411), (312, 45384), (343, 45267), (429, 45015), (439, 44988), (449, 44964), (453, 44955),

Gene: Abinghost_97 Start: 66868, Stop: 65810, Start Num: 114
Candidate Starts for Abinghost_97:
(30, 67042), (Start: 42 @67012 has 7 MA's), (Start: 85 @66922 has 17 MA's), (Start: 114 @66868 has 161 MA's), (Start: 128 @66838 has 1 MA's), (150, 66754), (164, 66721), (200, 66649), (226, 66577), (244, 66496), (255, 66451), (257, 66445), (259, 66439), (260, 66427), (264, 66421), (272, 66391), (300, 66289), (307, 66271), (321, 66226), (340, 66154), (343, 66139), (352, 66112), (355, 66103), (370, 66046), (400, 65962), (406, 65938), (419, 65908),

Gene: Acadian_90 Start: 67115, Stop: 66042, Start Num: 114
Candidate Starts for Acadian_90:
(Start: 114 @67115 has 161 MA's), (150, 67019), (164, 66986), (188, 66944), (220, 66863), (257, 66713), (259, 66707), (279, 66641), (323, 66488), (334, 66449), (338, 66434), (348, 66398), (351, 66389), (355, 66377), (359, 66368), (375, 66308), (378, 66299), (406, 66215), (408, 66209), (437, 66146), (460, 66080), (466, 66062),

Gene: AcciDwight_273 Start: 122747, Stop: 121707, Start Num: 96
Candidate Starts for AcciDwight_273:
(Start: 96 @122747 has 21 MA's), (Start: 116 @122702 has 134 MA's), (156, 122591), (167, 122558), (187, 122525), (199, 122513), (203, 122504), (227, 122456), (229, 122438), (230, 122435), (272, 122291), (276, 122282), (285, 122240), (296, 122210), (306, 122171), (312, 122153), (321, 122123), (338, 122060), (375, 121928), (396, 121868), (409, 121820), (435, 121763), (449, 121727),

Gene: AcciDwight_3 Start: 2651, Stop: 1611, Start Num: 96
Candidate Starts for AcciDwight_3:

(Start: 96 @2651 has 21 MA's), (Start: 116 @2606 has 134 MA's), (156, 2495), (167, 2462), (187, 2429), (199, 2417), (203, 2408), (227, 2360), (229, 2342), (230, 2339), (272, 2195), (276, 2186), (285, 2144), (296, 2114), (306, 2075), (312, 2057), (321, 2027), (338, 1964), (375, 1832), (396, 1772), (409, 1724), (435, 1667), (449, 1631),

Gene: Ahwei_89 Start: 67912, Stop: 66866, Start Num: 114
Candidate Starts for Ahwei_89:
(Start: 114 @67912 has 161 MA's), (131, 67858), (136, 67840), (150, 67798), (164, 67765), (167, 67750), (171, 67741), (187, 67723), (204, 67684), (207, 67669), (226, 67621), (240, 67558), (257, 67489), (259, 67483), (260, 67471), (293, 67363), (296, 67354), (300, 67333), (323, 67261), (343, 67183), (346, 67174), (348, 67168), (351, 67159), (359, 67138), (374, 67081), (384, 67051), (398, 67021), (400, 67009), (414, 66979), (433, 66925), (439, 66904), (454, 66871),

Gene: Akoma_98 Start: 66999, Stop: 65887, Start Num: 85
Candidate Starts for Akoma_98:
(30, 67119), (Start: 42 @67089 has 7 MA's), (Start: 85 @66999 has 17 MA's), (Start: 114 @66945 has 161 MA's), (Start: 128 @66915 has 1 MA's), (150, 66831), (164, 66798), (200, 66726), (226, 66654), (244, 66573), (255, 66528), (257, 66522), (259, 66516), (260, 66504), (272, 66468), (300, 66366), (307, 66348), (321, 66303), (340, 66231), (343, 66216), (352, 66189), (355, 66180), (370, 66123), (400, 66039), (406, 66015), (419, 65985),

Gene: Akoni_17 Start: 12296, Stop: 11307, Start Num: 127
Candidate Starts for Akoni_17:
(Start: 127 @12296 has 37 MA's), (163, 12182), (174, 12167), (226, 12053), (233, 12014), (235, 12005), (256, 11921), (296, 11792), (321, 11699), (343, 11612), (386, 11492), (415, 11414), (427, 11372), (436, 11354), (445, 11327),

Gene: AksarBAT_80 Start: 58876, Stop: 57869, Start Num: 114
Candidate Starts for AksarBAT_80:
(Start: 114 @58876 has 161 MA's), (150, 58780), (164, 58747), (194, 58681), (207, 58666), (209, 58660), (251, 58516), (255, 58492), (257, 58486), (260, 58468), (279, 58414), (293, 58363), (300, 58333), (316, 58282), (356, 58144), (375, 58078), (384, 58051), (387, 58045), (408, 57979), (426, 57943),

Gene: AlanGrant_92 Start: 69472, Stop: 68423, Start Num: 114
Candidate Starts for AlanGrant_92:
(11, 69811), (Start: 114 @69472 has 161 MA's), (131, 69418), (150, 69358), (152, 69352), (164, 69325), (173, 69292), (204, 69247), (207, 69232), (208, 69229), (226, 69184), (228, 69166), (235, 69136), (240, 69121), (255, 69058), (257, 69052), (259, 69046), (260, 69034), (266, 69016), (285, 68947), (287, 68938), (293, 68926), (300, 68896), (323, 68824), (336, 68779), (343, 68746), (348, 68731), (351, 68722), (374, 68644), (398, 68584), (400, 68572), (416, 68530), (435, 68476), (437, 68470), (439, 68461), (451, 68434), (454, 68428),

Gene: Allegro_85 Start: 64858, Stop: 63788, Start Num: 114
Candidate Starts for Allegro_85:
(28, 65053), (Start: 114 @64858 has 161 MA's), (Start: 128 @64828 has 1 MA's), (150, 64762), (153, 64753), (164, 64729), (171, 64705), (182, 64681), (217, 64585), (257, 64426), (259, 64420), (260, 64408), (272, 64375), (279, 64354), (295, 64297), (296, 64294), (307, 64255), (310, 64246), (319, 64216), (323, 64201), (328, 64183), (335, 64159), (340, 64138), (348, 64108), (355, 64087), (374, 64021), (375, 64018), (384, 63991), (387, 63985), (414, 63910), (421, 63874),

Gene: AloeVera_17 Start: 12296, Stop: 11307, Start Num: 127
Candidate Starts for AloeVera_17:

(Start: 127 @12296 has 37 MA's), (163, 12182), (174, 12167), (226, 12053), (233, 12014), (235, 12005), (256, 11921), (296, 11792), (321, 11699), (343, 11612), (386, 11492), (415, 11414), (427, 11372), (436, 11354), (445, 11327),

Gene: Altadena_70 Start: 44516, Stop: 43500, Start Num: 126
Candidate Starts for Altadena_70:
(Start: 126 @44516 has 6 MA's), (150, 44447), (157, 44429), (251, 44156), (255, 44132), (295, 44009), (301, 43982), (302, 43979), (340, 43850), (343, 43835), (346, 43823),

Gene: Amabiko_3 Start: 2651, Stop: 1611, Start Num: 96
Candidate Starts for Amabiko_3:
(Start: 96 @2651 has 21 MA's), (Start: 116 @2606 has 134 MA's), (156, 2495), (167, 2462), (187, 2429), (199, 2417), (203, 2408), (227, 2360), (229, 2342), (230, 2339), (272, 2195), (276, 2186), (285, 2144), (296, 2114), (306, 2075), (312, 2057), (321, 2027), (338, 1964), (375, 1832), (396, 1772), (409, 1724), (435, 1667), (449, 1631),

Gene: Amabiko_267 Start: 121477, Stop: 120437, Start Num: 96
Candidate Starts for Amabiko_267:
(Start: 96 @121477 has 21 MA's), (Start: 116 @121432 has 134 MA's), (156, 121321), (167, 121288), (187, 121255), (199, 121243), (203, 121234), (227, 121186), (229, 121168), (230, 121165), (272, 121021), (276, 121012), (285, 120970), (296, 120940), (306, 120901), (312, 120883), (321, 120853), (338, 120790), (375, 120658), (396, 120598), (409, 120550), (435, 120493), (449, 120457),

Gene: AmandaPanda_56 Start: 40904, Stop: 42391, Start Num: 31
Candidate Starts for AmandaPanda_56:
(Start: 16 @40796 has 1 MA's), (21, 40838), (31, 40904), (47, 40943), (53, 40955), (83, 41015), (87, 41021), (89, 41024), (100, 41045), (Start: 105 @41060 has 1 MA's), (161, 41219), (168, 41246), (170, 41252), (173, 41261), (178, 41270), (191, 41309), (197, 41327), (224, 41429), (226, 41438), (249, 41543), (255, 41573), (299, 41717), (302, 41729), (324, 41804), (327, 41813), (354, 41915), (357, 41924), (385, 42038), (418, 42140), (420, 42152), (422, 42161), (430, 42176), (462, 42266), (471, 42314), (472, 42320), (474, 42326),

Gene: Amo99_1 Start: 1, Stop: 1032, Start Num: 109
Candidate Starts for Amo99_1:
(Start: 109 @1 has 7 MA's), (150, 97), (191, 199), (254, 406), (257, 418), (259, 424), (277, 481), (287, 526), (296, 547), (307, 586), (340, 703), (343, 718), (354, 754), (355, 757),

Gene: AnarQue_81 Start: 60018, Stop: 58999, Start Num: 114
Candidate Starts for AnarQue_81:
(Start: 33 @60174 has 1 MA's), (Start: 69 @60096 has 1 MA's), (91, 60060), (Start: 114 @60018 has 161 MA's), (150, 59922), (164, 59889), (171, 59865), (173, 59856), (191, 59832), (204, 59814), (209, 59793), (251, 59646), (255, 59622), (257, 59616), (260, 59598), (286, 59508), (300, 59463), (316, 59412), (348, 59298), (375, 59208), (384, 59181), (387, 59175), (431, 59064),

Gene: Anedea_267 Start: 125337, Stop: 124315, Start Num: 116
Candidate Starts for Anedea_267:
(Start: 116 @125337 has 134 MA's), (145, 125256), (156, 125226), (167, 125193), (172, 125178), (178, 125166), (186, 125160), (202, 125121), (227, 125067), (253, 124956), (254, 124953), (272, 124902), (284, 124857), (296, 124821), (306, 124782), (312, 124764), (321, 124734), (338, 124671), (342, 124653), (367, 124575), (375, 124542), (409, 124434), (420, 124416), (435, 124377),

Gene: Anedea_2 Start: 2288, Stop: 1266, Start Num: 116
Candidate Starts for Anedea_2:

(Start: 116 @2288 has 134 MA's), (145, 2207), (156, 2177), (167, 2144), (172, 2129), (178, 2117), (186, 2111), (202, 2072), (227, 2018), (253, 1907), (254, 1904), (272, 1853), (284, 1808), (296, 1772), (306, 1733), (312, 1715), (321, 1685), (338, 1622), (342, 1604), (367, 1526), (375, 1493), (409, 1385), (420, 1367), (435, 1328),

Gene: Angela_259 Start: 124677, Stop: 123661, Start Num: 116
Candidate Starts for Angela_259:
(110, 124689), (Start: 116 @124677 has 134 MA's), (145, 124596), (156, 124566), (172, 124518), (177, 124509), (178, 124506), (186, 124500), (193, 124476), (202, 124461), (227, 124407), (253, 124296), (272, 124242), (296, 124161), (306, 124122), (312, 124104), (321, 124074), (338, 124011), (367, 123915), (375, 123882), (396, 123822), (409, 123774), (420, 123756), (435, 123717),

Gene: Angela_2 Start: 2274, Stop: 1258, Start Num: 116
Candidate Starts for Angela_2:
(110, 2286), (Start: 116 @2274 has 134 MA's), (145, 2193), (156, 2163), (172, 2115), (177, 2106), (178, 2103), (186, 2097), (193, 2073), (202, 2058), (227, 2004), (253, 1893), (272, 1839), (296, 1758), (306, 1719), (312, 1701), (321, 1671), (338, 1608), (367, 1512), (375, 1479), (396, 1419), (409, 1371), (420, 1353), (435, 1314),

Gene: AngryGiraffe_4 Start: 2628, Stop: 1627, Start Num: 116
Candidate Starts for AngryGiraffe_4:
(Start: 82 @2694 has 16 MA's), (Start: 85 @2685 has 17 MA's), (Start: 116 @2628 has 134 MA's), (156, 2517), (203, 2430), (260, 2238), (272, 2217), (276, 2208), (285, 2166), (296, 2136), (306, 2097), (312, 2079), (321, 2049), (338, 1986), (375, 1854), (396, 1794), (409, 1746), (420, 1728), (435, 1689),

Gene: AngryGiraffe_260 Start: 120971, Stop: 119970, Start Num: 116
Candidate Starts for AngryGiraffe_260:
(Start: 82 @121037 has 16 MA's), (Start: 85 @121028 has 17 MA's), (Start: 116 @120971 has 134 MA's), (156, 120860), (203, 120773), (260, 120581), (272, 120560), (276, 120551), (285, 120509), (296, 120479), (306, 120440), (312, 120422), (321, 120392), (338, 120329), (375, 120197), (396, 120137), (409, 120089), (420, 120071), (435, 120032),

Gene: Annadreamy_205 Start: 103409, Stop: 104425, Start Num: 115
Candidate Starts for Annadreamy_205:
(Start: 115 @103409 has 4 MA's), (Start: 128 @103436 has 1 MA's), (150, 103508), (156, 103523), (169, 103562), (208, 103631), (229, 103676), (278, 103850), (291, 103898), (300, 103934), (302, 103940), (316, 103985), (338, 104060), (343, 104084), (389, 104219), (428, 104348), (432, 104354), (444, 104387), (449, 104399), (450, 104402),

Gene: Antares_58 Start: 37535, Stop: 38530, Start Num: 133
Candidate Starts for Antares_58:
(Start: 133 @37535 has 42 MA's), (182, 37655), (187, 37664), (190, 37676), (202, 37709), (204, 37715), (208, 37733), (234, 37844), (255, 37925), (281, 38003), (284, 38015), (321, 38138), (329, 38168), (385, 38339), (393, 38360), (402, 38390), (415, 38423), (434, 38471),

Gene: Antihero_91 Start: 67837, Stop: 66791, Start Num: 114
Candidate Starts for Antihero_91:
(Start: 114 @67837 has 161 MA's), (131, 67783), (136, 67765), (150, 67723), (164, 67690), (167, 67675), (171, 67666), (187, 67648), (204, 67609), (207, 67594), (226, 67546), (240, 67483), (257, 67414), (259, 67408), (260, 67396), (293, 67288), (296, 67279), (300, 67258), (323, 67186), (343, 67108), (346, 67099), (348, 67093), (351, 67084), (359, 67063), (374, 67006), (384, 66976), (400, 66934), (414, 66904), (433, 66850), (439, 66829), (454, 66796),

Gene: Antuna_52 Start: 31056, Stop: 32108, Start Num: 82
Candidate Starts for Antuna_52:
(Start: 82 @31056 has 16 MA's), (Start: 105 @31098 has 1 MA's), (150, 31194), (167, 31242), (217, 31332), (257, 31491), (259, 31497), (263, 31512), (280, 31554), (289, 31593), (340, 31767), (371, 31875), (414, 31995), (431, 32037), (455, 32097),

Gene: Apex_93 Start: 68952, Stop: 67894, Start Num: 114
Candidate Starts for Apex_93:
(Start: 114 @68952 has 161 MA's), (131, 68898), (150, 68838), (152, 68832), (164, 68805), (167, 68790), (171, 68781), (187, 68763), (204, 68724), (208, 68706), (209, 68703), (226, 68661), (240, 68598), (257, 68529), (260, 68511), (266, 68493), (272, 68475), (293, 68403), (296, 68394), (300, 68373), (336, 68256), (338, 68247), (343, 68223), (346, 68214), (359, 68178), (374, 68121), (384, 68091), (398, 68061), (400, 68049), (405, 68028), (433, 67953), (439, 67932), (454, 67899),

Gene: Appa_50 Start: 30821, Stop: 31873, Start Num: 82
Candidate Starts for Appa_50:
(Start: 82 @30821 has 16 MA's), (Start: 105 @30863 has 1 MA's), (150, 30959), (167, 31007), (217, 31097), (257, 31256), (259, 31262), (263, 31277), (289, 31358), (340, 31532), (371, 31640), (414, 31760), (431, 31802), (455, 31862),

Gene: Arbiter_82 Start: 64898, Stop: 63828, Start Num: 114
Candidate Starts for Arbiter_82:
(Start: 114 @64898 has 161 MA's), (Start: 128 @64868 has 1 MA's), (150, 64802), (153, 64793), (164, 64769), (171, 64745), (182, 64721), (257, 64466), (259, 64460), (260, 64448), (272, 64415), (279, 64394), (295, 64337), (296, 64334), (307, 64295), (310, 64286), (319, 64256), (323, 64241), (328, 64223), (335, 64199), (340, 64178), (348, 64148), (355, 64127), (374, 64061), (375, 64058), (384, 64031), (387, 64025), (414, 63950), (421, 63914),

Gene: Ares_85 Start: 64857, Stop: 63787, Start Num: 114
Candidate Starts for Ares_85:
(Start: 114 @64857 has 161 MA's), (Start: 128 @64827 has 1 MA's), (150, 64761), (153, 64752), (164, 64728), (171, 64704), (182, 64680), (257, 64425), (259, 64419), (260, 64407), (272, 64374), (279, 64353), (295, 64296), (296, 64293), (307, 64254), (310, 64245), (319, 64215), (323, 64200), (328, 64182), (335, 64158), (340, 64137), (348, 64107), (355, 64086), (374, 64020), (375, 64017), (384, 63990), (387, 63984), (414, 63909), (421, 63873),

Gene: Ariadne_67 Start: 39139, Stop: 40134, Start Num: 134
Candidate Starts for Ariadne_67:
(Start: 134 @39139 has 5 MA's), (138, 39154), (182, 39259), (187, 39268), (190, 39280), (202, 39313), (204, 39319), (208, 39337), (224, 39394), (234, 39448), (255, 39529), (270, 39571), (281, 39607), (284, 39619), (321, 39742), (329, 39772), (343, 39832), (385, 39943), (393, 39964), (407, 40006), (448, 40117),

Gene: ArianaSWT_255 Start: 125059, Stop: 124046, Start Num: 116
Candidate Starts for ArianaSWT_255:
(Start: 45 @125206 has 4 MA's), (Start: 67 @125152 has 4 MA's), (79, 125134), (Start: 116 @125059 has 134 MA's), (156, 124948), (167, 124915), (178, 124888), (187, 124879), (193, 124858), (202, 124843), (227, 124792), (253, 124681), (272, 124627), (296, 124546), (306, 124507), (312, 124489), (321, 124459), (338, 124396), (362, 124312), (367, 124300), (375, 124267), (396, 124207), (409, 124159), (420, 124141), (435, 124102),

Gene: ArianaSWT_2 Start: 2225, Stop: 1212, Start Num: 116
Candidate Starts for ArianaSWT_2:

(Start: 45 @2372 has 4 MA's), (Start: 67 @2318 has 4 MA's), (79, 2300), (Start: 116 @2225 has 134 MA's), (156, 2114), (167, 2081), (178, 2054), (187, 2045), (193, 2024), (202, 2009), (227, 1958), (253, 1847), (272, 1793), (296, 1712), (306, 1673), (312, 1655), (321, 1625), (338, 1562), (362, 1478), (367, 1466), (375, 1433), (396, 1373), (409, 1325), (420, 1307), (435, 1268),

Gene: Artu_163 Start: 112919, Stop: 113896, Start Num: 114
Candidate Starts for Artu_163:
(Start: 114 @112919 has 161 MA's), (130, 112961), (179, 113087), (236, 113222), (255, 113303), (278, 113366), (300, 113450), (328, 113540), (340, 113585), (375, 113684), (400, 113759),

Gene: Ashton_17 Start: 12300, Stop: 11311, Start Num: 127
Candidate Starts for Ashton_17:
(Start: 127 @12300 has 37 MA's), (163, 12186), (174, 12171), (226, 12057), (233, 12018), (235, 12009), (256, 11925), (296, 11796), (321, 11703), (343, 11616), (386, 11496), (415, 11418), (427, 11376), (436, 11358), (445, 11331),

Gene: Astartes_18 Start: 12572, Stop: 11568, Start Num: 127
Candidate Starts for Astartes_18:
(Start: 127 @12572 has 37 MA's), (174, 12443), (220, 12347), (233, 12278), (235, 12269), (254, 12194), (296, 12056), (321, 11963), (340, 11891), (343, 11876), (347, 11861), (351, 11849), (357, 11831), (375, 11786), (420, 11654), (436, 11615), (451, 11573),

Gene: Athena_99 Start: 67785, Stop: 66583, Start Num: 42
Candidate Starts for Athena_99:
(30, 67815), (Start: 42 @67785 has 7 MA's), (Start: 85 @67695 has 17 MA's), (Start: 114 @67641 has 161 MA's), (Start: 128 @67611 has 1 MA's), (150, 67527), (164, 67494), (200, 67422), (226, 67350), (244, 67269), (255, 67224), (257, 67218), (259, 67212), (260, 67200), (272, 67164), (300, 67062), (307, 67044), (321, 66999), (340, 66927), (343, 66912), (352, 66885), (355, 66876), (370, 66819), (400, 66735), (406, 66711), (419, 66681),

Gene: Atraxi_17 Start: 12329, Stop: 11325, Start Num: 127
Candidate Starts for Atraxi_17:
(Start: 127 @12329 has 37 MA's), (174, 12200), (220, 12104), (233, 12035), (235, 12026), (256, 11942), (296, 11813), (321, 11720), (340, 11648), (347, 11618), (351, 11606), (357, 11588), (375, 11543), (420, 11411), (436, 11372), (451, 11330),

Gene: Atuin_167 Start: 115486, Stop: 116493, Start Num: 114
Candidate Starts for Atuin_167:
(Start: 114 @115486 has 161 MA's), (130, 115528), (145, 115573), (177, 115660), (236, 115816), (255, 115897), (278, 115960), (300, 116044), (328, 116134), (340, 116179), (341, 116182), (371, 116266), (373, 116272), (375, 116278),

Gene: Audrey_97 Start: 66949, Stop: 65837, Start Num: 85
Candidate Starts for Audrey_97:
(30, 67069), (Start: 42 @67039 has 7 MA's), (Start: 85 @66949 has 17 MA's), (Start: 114 @66895 has 161 MA's), (Start: 128 @66865 has 1 MA's), (150, 66781), (164, 66748), (200, 66676), (226, 66604), (244, 66523), (255, 66478), (257, 66472), (259, 66466), (260, 66454), (272, 66418), (300, 66316), (307, 66298), (321, 66253), (340, 66181), (343, 66166), (352, 66139), (355, 66130), (370, 66073), (400, 65989), (406, 65965), (419, 65935),

Gene: Auspice_149 Start: 75730, Stop: 74657, Start Num: 122
Candidate Starts for Auspice_149:

(39, 75907), (44, 75895), (Start: 76 @75826 has 6 MA's), (88, 75805), (Start: 122 @75730 has 14 MA's), (151, 75625), (158, 75616), (175, 75580), (199, 75526), (210, 75493), (220, 75463), (236, 75379), (260, 75283), (294, 75184), (298, 75166), (313, 75103), (317, 75094), (320, 75082), (321, 75079), (335, 75028), (350, 74968), (388, 74869), (391, 74860), (403, 74824), (418, 74785), (453, 74689), (456, 74680),

Gene: Austelle_92 Start: 69484, Stop: 68426, Start Num: 114
Candidate Starts for Austelle_92:
(Start: 114 @69484 has 161 MA's), (150, 69370), (152, 69364), (164, 69337), (167, 69322), (171, 69313), (187, 69295), (204, 69256), (208, 69238), (209, 69235), (226, 69193), (240, 69130), (257, 69061), (260, 69043), (266, 69025), (272, 69007), (293, 68935), (296, 68926), (300, 68905), (336, 68788), (338, 68779), (343, 68755), (346, 68746), (351, 68731), (359, 68710), (374, 68653), (384, 68623), (398, 68593), (400, 68581), (405, 68560), (433, 68485), (439, 68464), (451, 68437), (454, 68431),

Gene: Axumite_80 Start: 59316, Stop: 58309, Start Num: 114
Candidate Starts for Axumite_80:
(Start: 114 @59316 has 161 MA's), (150, 59220), (164, 59187), (167, 59172), (194, 59121), (207, 59106), (255, 58932), (257, 58926), (260, 58908), (279, 58854), (289, 58812), (293, 58803), (300, 58773), (316, 58722), (369, 58539), (374, 58521), (375, 58518), (387, 58485), (400, 58449), (449, 58326),

Gene: Aziz_161 Start: 77655, Stop: 76582, Start Num: 122
Candidate Starts for Aziz_161:
(Start: 122 @77655 has 14 MA's), (158, 77541), (172, 77511), (188, 77481), (199, 77451), (220, 77388), (225, 77364), (236, 77304), (260, 77208), (278, 77166), (298, 77091), (313, 77028), (317, 77019), (319, 77010), (323, 76995), (335, 76953), (340, 76932), (343, 76917), (350, 76893), (351, 76890), (391, 76785), (407, 76740), (418, 76710), (425, 76683), (453, 76614), (456, 76605), (458, 76596),

Gene: Baee_89 Start: 67621, Stop: 66548, Start Num: 114
Candidate Starts for Baee_89:
(51, 67735), (Start: 114 @67621 has 161 MA's), (150, 67525), (164, 67492), (220, 67369), (255, 67225), (257, 67219), (258, 67216), (259, 67213), (279, 67147), (323, 66994), (334, 66955), (338, 66940), (348, 66904), (351, 66895), (355, 66883), (359, 66874), (375, 66814), (378, 66805), (406, 66721), (408, 66715), (437, 66652), (460, 66586), (466, 66568),

Gene: Baloo_96 Start: 66892, Stop: 65690, Start Num: 42
Candidate Starts for Baloo_96:
(30, 66922), (Start: 42 @66892 has 7 MA's), (Start: 85 @66802 has 17 MA's), (Start: 114 @66748 has 161 MA's), (Start: 128 @66718 has 1 MA's), (150, 66634), (164, 66601), (200, 66529), (226, 66457), (244, 66376), (255, 66331), (257, 66325), (259, 66319), (260, 66307), (272, 66271), (300, 66169), (307, 66151), (321, 66106), (340, 66034), (343, 66019), (352, 65992), (355, 65983), (370, 65926), (400, 65842), (406, 65818), (419, 65788),

Gene: Bananafish_86 Start: 64794, Stop: 63724, Start Num: 114
Candidate Starts for Bananafish_86:
(Start: 114 @64794 has 161 MA's), (Start: 128 @64764 has 1 MA's), (150, 64698), (153, 64689), (164, 64665), (171, 64641), (182, 64617), (257, 64362), (259, 64356), (260, 64344), (272, 64311), (279, 64290), (295, 64233), (296, 64230), (307, 64191), (310, 64182), (319, 64152), (323, 64137), (328, 64119), (335, 64095), (340, 64074), (348, 64044), (355, 64023), (374, 63957), (375, 63954), (384, 63927), (387, 63921), (414, 63846), (421, 63810),

Gene: Barnyard_56 Start: 40405, Stop: 41949, Start Num: 22
Candidate Starts for Barnyard_56:
(Start: 22 @40405 has 1 MA's), (24, 40417), (31, 40465), (47, 40504), (60, 40534), (Start: 67 @40549 has 4 MA's), (83, 40576), (89, 40585), (98, 40603), (Start: 105 @40621 has 1 MA's), (Start: 111 @40636 has 34 MA's), (118, 40648), (151, 40756), (168, 40807), (178, 40831), (191, 40870), (197, 40888), (204, 40906), (224, 40990), (226, 40999), (247, 41092), (255, 41134), (279, 41203), (284, 41227), (299, 41278), (302, 41290), (324, 41365), (327, 41374), (328, 41380), (334, 41401), (354, 41476), (357, 41485), (375, 41569), (376, 41572), (385, 41599), (406, 41671), (418, 41701), (442, 41770), (462, 41827), (471, 41875), (472, 41881),

Gene: BarretLemon_78 Start: 50937, Stop: 49933, Start Num: 117
Candidate Starts for BarretLemon_78:
(Start: 117 @50937 has 2 MA's), (Start: 121 @50931 has 22 MA's), (157, 50835), (189, 50772), (251, 50574), (255, 50550), (257, 50544), (260, 50526), (262, 50523), (286, 50448), (302, 50397), (328, 50313), (343, 50253), (355, 50217), (365, 50184), (429, 50001), (449, 49950),

Gene: Barroma_17 Start: 12296, Stop: 11307, Start Num: 127
Candidate Starts for Barroma_17:
(Start: 127 @12296 has 37 MA's), (163, 12182), (174, 12167), (226, 12053), (233, 12014), (235, 12005), (256, 11921), (296, 11792), (321, 11699), (343, 11612), (386, 11492), (415, 11414), (427, 11372), (436, 11354), (445, 11327),

Gene: Bartholomune_3 Start: 2417, Stop: 1404, Start Num: 116
Candidate Starts for Bartholomune_3:
(43, 2567), (57, 2531), (Start: 67 @2510 has 4 MA's), (79, 2492), (Start: 116 @2417 has 134 MA's), (145, 2336), (156, 2306), (178, 2246), (193, 2216), (202, 2201), (203, 2198), (227, 2150), (253, 2039), (272, 1985), (284, 1940), (296, 1904), (306, 1865), (312, 1847), (321, 1817), (367, 1658), (375, 1625), (396, 1565), (409, 1517), (420, 1499), (435, 1460),

Gene: Bartholomune_253 Start: 123516, Stop: 122503, Start Num: 116
Candidate Starts for Bartholomune_253:
(43, 123666), (57, 123630), (Start: 67 @123609 has 4 MA's), (79, 123591), (Start: 116 @123516 has 134 MA's), (145, 123435), (156, 123405), (178, 123345), (193, 123315), (202, 123300), (203, 123297), (227, 123249), (253, 123138), (272, 123084), (284, 123039), (296, 123003), (306, 122964), (312, 122946), (321, 122916), (367, 122757), (375, 122724), (396, 122664), (409, 122616), (420, 122598), (435, 122559),

Gene: Battuta_3 Start: 2606, Stop: 1611, Start Num: 116
Candidate Starts for Battuta_3:
(Start: 96 @2651 has 21 MA's), (Start: 116 @2606 has 134 MA's), (156, 2495), (167, 2462), (187, 2429), (199, 2417), (203, 2408), (227, 2360), (229, 2342), (230, 2339), (272, 2195), (276, 2186), (285, 2144), (296, 2114), (306, 2075), (312, 2057), (321, 2027), (338, 1964), (375, 1832), (396, 1772), (409, 1724), (435, 1667), (449, 1631),

Gene: Battuta_260 Start: 120761, Stop: 119766, Start Num: 116
Candidate Starts for Battuta_260:
(Start: 96 @120806 has 21 MA's), (Start: 116 @120761 has 134 MA's), (156, 120650), (167, 120617), (187, 120584), (199, 120572), (203, 120563), (227, 120515), (229, 120497), (230, 120494), (272, 120350), (276, 120341), (285, 120299), (296, 120269), (306, 120230), (312, 120212), (321, 120182), (338, 120119), (375, 119987), (396, 119927), (409, 119879), (435, 119822), (449, 119786),

Gene: BeagleBug_57 Start: 37316, Stop: 38311, Start Num: 133
Candidate Starts for BeagleBug_57:

(Start: 133 @37316 has 42 MA's), (182, 37436), (187, 37445), (190, 37457), (202, 37490), (204, 37496), (208, 37514), (234, 37625), (255, 37706), (281, 37784), (284, 37796), (321, 37919), (329, 37949), (385, 38120), (393, 38141), (402, 38171), (415, 38204), (434, 38252),

Gene: Beans_72 Start: 49478, Stop: 48408, Start Num: 94
Candidate Starts for Beans_72:
(Start: 94 @49478 has 2 MA's), (Start: 121 @49415 has 22 MA's), (189, 49253), (197, 49232), (204, 49214), (220, 49169), (224, 49160), (228, 49133), (251, 49049), (254, 49031), (255, 49025), (257, 49019), (260, 49001), (302, 48872), (340, 48743), (343, 48728), (410, 48521), (429, 48476), (450, 48422),

Gene: Beckerton_53 Start: 43209, Stop: 44420, Start Num: 75
Candidate Starts for Beckerton_53:
(Start: 63 @43191 has 2 MA's), (Start: 75 @43209 has 7 MA's), (103, 43254), (106, 43263), (187, 43473), (226, 43602), (229, 43623), (237, 43656), (240, 43665), (255, 43731), (257, 43737), (260, 43755), (277, 43794), (299, 43875), (312, 43923), (321, 43953), (335, 44004), (357, 44085), (360, 44100), (438, 44319), (439, 44322), (443, 44331), (462, 44385), (465, 44394),

Gene: Beelzebub_104 Start: 58128, Stop: 57004, Start Num: 86
Candidate Starts for Beelzebub_104:
(Start: 86 @58128 has 1 MA's), (93, 58119), (Start: 111 @58074 has 34 MA's), (120, 58059), (130, 58026), (159, 57933), (175, 57900), (184, 57876), (198, 57843), (199, 57840), (200, 57837), (206, 57822), (210, 57810), (219, 57783), (236, 57696), (240, 57684), (250, 57651), (255, 57624), (257, 57618), (260, 57600), (278, 57558), (281, 57543), (292, 57507), (296, 57495), (314, 57417), (318, 57411), (326, 57384), (332, 57363), (351, 57288), (383, 57213), (392, 57192), (395, 57189), (453, 57021), (454, 57018),

Gene: Belfort_218 Start: 108041, Stop: 109063, Start Num: 112
Candidate Starts for Belfort_218:
(Start: 112 @108041 has 9 MA's), (Start: 128 @108071 has 1 MA's), (156, 108152), (164, 108170), (187, 108212), (192, 108230), (203, 108248), (258, 108428), (278, 108491), (285, 108524), (289, 108536), (291, 108539), (295, 108551), (316, 108626), (338, 108701), (343, 108725), (353, 108755), (371, 108818), (449, 109037),

Gene: Ben11_97 Start: 67125, Stop: 66067, Start Num: 114
Candidate Starts for Ben11_97:
(30, 67299), (Start: 42 @67269 has 7 MA's), (Start: 85 @67179 has 17 MA's), (Start: 114 @67125 has 161 MA's), (Start: 128 @67095 has 1 MA's), (150, 67011), (164, 66978), (200, 66906), (226, 66834), (244, 66753), (255, 66708), (257, 66702), (259, 66696), (260, 66684), (272, 66648), (300, 66546), (307, 66528), (321, 66483), (340, 66411), (343, 66396), (352, 66369), (355, 66360), (370, 66303), (400, 66219), (406, 66195), (419, 66165),

Gene: Bernardo_94 Start: 66473, Stop: 65361, Start Num: 85
Candidate Starts for Bernardo_94:
(30, 66593), (Start: 42 @66563 has 7 MA's), (Start: 85 @66473 has 17 MA's), (Start: 114 @66419 has 161 MA's), (Start: 128 @66389 has 1 MA's), (150, 66305), (164, 66272), (200, 66200), (226, 66128), (244, 66047), (255, 66002), (257, 65996), (259, 65990), (260, 65978), (272, 65942), (300, 65840), (307, 65822), (321, 65777), (340, 65705), (343, 65690), (352, 65663), (355, 65654), (370, 65597), (400, 65513), (406, 65489), (419, 65459),

Gene: Beuffert_213 Start: 107581, Stop: 108594, Start Num: 115
Candidate Starts for Beuffert_213:

(Start: 115 @107581 has 4 MA's), (Start: 128 @107608 has 1 MA's), (150, 107680), (156, 107695), (169, 107734), (208, 107803), (229, 107848), (278, 108022), (300, 108106), (302, 108112), (316, 108157), (338, 108232), (343, 108256), (389, 108391), (428, 108520), (449, 108571), (450, 108574),

Gene: BigDome_77 Start: 50725, Stop: 49727, Start Num: 121
Candidate Starts for BigDome_77:
(Start: 117 @50731 has 2 MA's), (Start: 121 @50725 has 22 MA's), (157, 50629), (189, 50566), (196, 50548), (251, 50368), (255, 50344), (257, 50338), (260, 50320), (262, 50317), (286, 50242), (302, 50191), (343, 50047), (355, 50011), (365, 49978), (429, 49795), (449, 49744),

Gene: BiggityBass_78 Start: 60906, Stop: 59896, Start Num: 114
Candidate Starts for BiggityBass_78:
(90, 60951), (Start: 114 @60906 has 161 MA's), (150, 60810), (164, 60777), (187, 60735), (257, 60519), (259, 60513), (272, 60465), (276, 60456), (293, 60393), (300, 60363), (310, 60336), (328, 60273), (338, 60237), (348, 60198), (375, 60108), (400, 60039), (406, 60015), (408, 60009), (437, 59949),

Gene: Blackbeetle_101 Start: 57574, Stop: 56504, Start Num: 111
Candidate Starts for Blackbeetle_101:
(Start: 76 @57646 has 6 MA's), (Start: 78 @57643 has 1 MA's), (Start: 82 @57637 has 16 MA's), (Start: 111 @57574 has 34 MA's), (120, 57559), (130, 57526), (159, 57433), (175, 57400), (184, 57376), (198, 57343), (199, 57340), (200, 57337), (206, 57322), (210, 57310), (219, 57283), (236, 57196), (240, 57184), (250, 57151), (255, 57124), (257, 57118), (260, 57100), (278, 57058), (281, 57043), (292, 57007), (296, 56995), (314, 56917), (318, 56911), (326, 56884), (332, 56863), (351, 56788), (383, 56713), (392, 56692), (395, 56689), (453, 56521), (454, 56518),

Gene: Blackpen_78 Start: 58482, Stop: 57463, Start Num: 114
Candidate Starts for Blackpen_78:
(Start: 33 @58638 has 1 MA's), (Start: 69 @58560 has 1 MA's), (91, 58524), (Start: 114 @58482 has 161 MA's), (150, 58386), (164, 58353), (171, 58329), (173, 58320), (191, 58296), (204, 58278), (209, 58257), (251, 58110), (255, 58086), (257, 58080), (260, 58062), (279, 58008), (286, 57972), (300, 57927), (316, 57876), (348, 57762), (375, 57672), (384, 57645), (387, 57639), (431, 57528),

Gene: Blett_50 Start: 31007, Stop: 32059, Start Num: 82
Candidate Starts for Blett_50:
(Start: 82 @31007 has 16 MA's), (Start: 105 @31049 has 1 MA's), (150, 31145), (167, 31193), (217, 31283), (257, 31442), (259, 31448), (263, 31463), (280, 31505), (289, 31544), (293, 31553), (340, 31718), (371, 31826), (414, 31946), (431, 31988), (455, 32048),

Gene: Blocker23_85 Start: 64859, Stop: 63789, Start Num: 114
Candidate Starts for Blocker23_85:
(Start: 114 @64859 has 161 MA's), (Start: 128 @64829 has 1 MA's), (150, 64763), (153, 64754), (164, 64730), (171, 64706), (182, 64682), (257, 64427), (259, 64421), (260, 64409), (272, 64376), (279, 64355), (295, 64298), (296, 64295), (307, 64256), (310, 64247), (319, 64217), (323, 64202), (328, 64184), (335, 64160), (340, 64139), (348, 64109), (355, 64088), (374, 64022), (375, 64019), (384, 63992), (387, 63986), (414, 63911), (421, 63875),

Gene: Bloom_179 Start: 116047, Stop: 117021, Start Num: 114
Candidate Starts for Bloom_179:
(Start: 114 @116047 has 161 MA's), (130, 116089), (255, 116428), (278, 116491), (287, 116533), (304, 116587), (328, 116665), (375, 116809), (384, 116836), (386, 116842), (439, 116980),

Gene: BlueOtter_250 Start: 123312, Stop: 122299, Start Num: 116

Candidate Starts for BlueOtter_250:
(Start: 45 @123459 has 4 MA's), (Start: 67 @123405 has 4 MA's), (79, 123387), (Start: 116 @123312 has 134 MA's), (156, 123201), (167, 123168), (178, 123141), (187, 123132), (193, 123111), (202, 123096), (227, 123045), (253, 122934), (272, 122880), (296, 122799), (306, 122760), (312, 122742), (321, 122712), (338, 122649), (362, 122565), (367, 122553), (375, 122520), (396, 122460), (409, 122412), (420, 122394), (435, 122355),

Gene: BlueOtter_2 Start: 2225, Stop: 1212, Start Num: 116
Candidate Starts for BlueOtter_2:
(Start: 45 @2372 has 4 MA's), (Start: 67 @2318 has 4 MA's), (79, 2300), (Start: 116 @2225 has 134 MA's), (156, 2114), (167, 2081), (178, 2054), (187, 2045), (193, 2024), (202, 2009), (227, 1958), (253, 1847), (272, 1793), (296, 1712), (306, 1673), (312, 1655), (321, 1625), (338, 1562), (362, 1478), (367, 1466), (375, 1433), (396, 1373), (409, 1325), (420, 1307), (435, 1268),

Gene: Blueeyedbeauty_214 Start: 107117, Stop: 108130, Start Num: 115
Candidate Starts for Blueeyedbeauty_214:
(Start: 115 @107117 has 4 MA's), (Start: 128 @107144 has 1 MA's), (150, 107216), (156, 107231), (169, 107270), (208, 107339), (278, 107558), (291, 107606), (300, 107642), (302, 107648), (316, 107693), (338, 107768), (343, 107792), (389, 107927), (428, 108056), (449, 108107), (450, 108110),

Gene: Bmoc_2 Start: 2308, Stop: 1286, Start Num: 116
Candidate Starts for Bmoc_2:
(Start: 116 @2308 has 134 MA's), (145, 2227), (156, 2197), (172, 2149), (178, 2137), (186, 2131), (202, 2092), (227, 2038), (253, 1927), (254, 1924), (272, 1873), (284, 1828), (296, 1792), (306, 1753), (312, 1735), (321, 1705), (338, 1642), (342, 1624), (367, 1546), (375, 1513), (409, 1405), (420, 1387), (435, 1348),

Gene: Bmoc_258 Start: 124130, Stop: 123108, Start Num: 116
Candidate Starts for Bmoc_258:
(Start: 116 @124130 has 134 MA's), (145, 124049), (156, 124019), (172, 123971), (178, 123959), (186, 123953), (202, 123914), (227, 123860), (253, 123749), (254, 123746), (272, 123695), (284, 123650), (296, 123614), (306, 123575), (312, 123557), (321, 123527), (338, 123464), (342, 123446), (367, 123368), (375, 123335), (409, 123227), (420, 123209), (435, 123170),

Gene: BobRoss2024_83 Start: 59994, Stop: 58984, Start Num: 114
Candidate Starts for BobRoss2024_83:
(Start: 114 @59994 has 161 MA's), (150, 59898), (164, 59865), (194, 59799), (209, 59778), (251, 59634), (255, 59610), (257, 59604), (260, 59586), (286, 59496), (289, 59490), (293, 59481), (300, 59451), (316, 59400), (340, 59316), (348, 59283), (356, 59259), (369, 59214), (374, 59196), (375, 59193), (387, 59160),

Gene: BobbyK_92 Start: 68460, Stop: 67402, Start Num: 114
Candidate Starts for BobbyK_92:
(Start: 114 @68460 has 161 MA's), (131, 68406), (136, 68388), (150, 68346), (152, 68340), (164, 68313), (167, 68298), (171, 68289), (187, 68271), (204, 68232), (208, 68214), (226, 68169), (240, 68106), (257, 68037), (260, 68019), (266, 68001), (272, 67983), (293, 67911), (296, 67902), (300, 67881), (336, 67764), (338, 67755), (343, 67731), (346, 67722), (351, 67707), (359, 67686), (374, 67629), (384, 67599), (398, 67569), (400, 67557), (405, 67536), (433, 67461), (439, 67440), (454, 67407),

Gene: BobtimousPrime_55 Start: 43171, Stop: 44382, Start Num: 75
Candidate Starts for BobtimousPrime_55:

(Start: 63 @43153 has 2 MA's), (Start: 75 @43171 has 7 MA's), (103, 43216), (106, 43225), (187, 43435), (226, 43564), (229, 43585), (237, 43618), (240, 43627), (255, 43693), (257, 43699), (260, 43717), (277, 43756), (292, 43810), (312, 43885), (314, 43900), (321, 43915), (326, 43933), (335, 43966), (360, 44062), (438, 44281), (439, 44284), (443, 44293), (462, 44347),

Gene: Bolt007_73 Start: 46402, Stop: 45404, Start Num: 126
Candidate Starts for Bolt007_73:
(Start: 126 @46402 has 6 MA's), (157, 46315), (251, 46057), (255, 46033), (302, 45880), (340, 45751), (343, 45736), (346, 45724), (377, 45622), (396, 45580), (400, 45559),

Gene: Bongo_143 Start: 74587, Stop: 73514, Start Num: 122
Candidate Starts for Bongo_143:
(39, 74764), (44, 74752), (Start: 76 @74683 has 6 MA's), (88, 74662), (Start: 122 @74587 has 14 MA's), (151, 74482), (158, 74473), (175, 74437), (199, 74383), (210, 74350), (220, 74320), (236, 74236), (260, 74140), (281, 74083), (294, 74041), (298, 74023), (313, 73960), (317, 73951), (320, 73939), (321, 73936), (335, 73885), (350, 73825), (388, 73726), (391, 73717), (403, 73681), (418, 73642), (425, 73615), (453, 73546), (456, 73537),

Gene: BooTeria_164 Start: 113088, Stop: 114065, Start Num: 114
Candidate Starts for BooTeria_164:
(Start: 114 @113088 has 161 MA's), (130, 113130), (179, 113256), (236, 113391), (255, 113472), (278, 113535), (300, 113619), (328, 113709), (340, 113754), (375, 113853), (400, 113928),

Gene: BoomerJR_259 Start: 121416, Stop: 120415, Start Num: 116
Candidate Starts for BoomerJR_259:
(Start: 82 @121482 has 16 MA's), (Start: 85 @121473 has 17 MA's), (Start: 116 @121416 has 134 MA's), (156, 121305), (203, 121218), (260, 121026), (272, 121005), (276, 120996), (285, 120954), (296, 120924), (306, 120885), (312, 120867), (321, 120837), (338, 120774), (375, 120642), (396, 120582), (409, 120534), (420, 120516), (435, 120477),

Gene: BoomerJR_4 Start: 2628, Stop: 1627, Start Num: 116
Candidate Starts for BoomerJR_4:
(Start: 82 @2694 has 16 MA's), (Start: 85 @2685 has 17 MA's), (Start: 116 @2628 has 134 MA's), (156, 2517), (203, 2430), (260, 2238), (272, 2217), (276, 2208), (285, 2166), (296, 2136), (306, 2097), (312, 2079), (321, 2049), (338, 1986), (375, 1854), (396, 1794), (409, 1746), (420, 1728), (435, 1689),

Gene: Bordeaux_260 Start: 121389, Stop: 120349, Start Num: 96
Candidate Starts for Bordeaux_260:
(Start: 96 @121389 has 21 MA's), (Start: 116 @121344 has 134 MA's), (156, 121233), (167, 121200), (187, 121167), (199, 121155), (203, 121146), (227, 121098), (229, 121080), (230, 121077), (272, 120933), (276, 120924), (285, 120882), (296, 120852), (306, 120813), (312, 120795), (321, 120765), (338, 120702), (375, 120570), (396, 120510), (409, 120462), (435, 120405), (449, 120369),

Gene: Bordeaux_3 Start: 2651, Stop: 1611, Start Num: 96
Candidate Starts for Bordeaux_3:
(Start: 96 @2651 has 21 MA's), (Start: 116 @2606 has 134 MA's), (156, 2495), (167, 2462), (187, 2429), (199, 2417), (203, 2408), (227, 2360), (229, 2342), (230, 2339), (272, 2195), (276, 2186), (285, 2144), (296, 2114), (306, 2075), (312, 2057), (321, 2027), (338, 1964), (375, 1832), (396, 1772), (409, 1724), (435, 1667), (449, 1631),

Gene: BossLady_78 Start: 50700, Stop: 49705, Start Num: 121
Candidate Starts for BossLady_78:

(Start: 121 @50700 has 22 MA's), (157, 50607), (189, 50544), (196, 50526), (251, 50346), (255, 50322), (257, 50316), (260, 50298), (262, 50295), (286, 50220), (302, 50169), (340, 50040), (343, 50025), (355, 49989), (365, 49956), (429, 49773),

Gene: Boyle_85 Start: 64906, Stop: 63836, Start Num: 114
Candidate Starts for Boyle_85:
(Start: 114 @64906 has 161 MA's), (Start: 128 @64876 has 1 MA's), (150, 64810), (153, 64801), (164, 64777), (171, 64753), (182, 64729), (257, 64474), (259, 64468), (260, 64456), (272, 64423), (279, 64402), (295, 64345), (296, 64342), (307, 64303), (310, 64294), (319, 64264), (323, 64249), (328, 64231), (335, 64207), (340, 64186), (348, 64156), (355, 64135), (374, 64069), (375, 64066), (384, 64039), (387, 64033), (414, 63958), (421, 63922),

Gene: Braelyn_248 Start: 122839, Stop: 121826, Start Num: 116
Candidate Starts for Braelyn_248:
(43, 122989), (57, 122953), (Start: 67 @122932 has 4 MA's), (79, 122914), (Start: 116 @122839 has 134 MA's), (145, 122758), (156, 122728), (178, 122668), (193, 122638), (202, 122623), (203, 122620), (227, 122572), (253, 122461), (272, 122407), (284, 122362), (296, 122326), (306, 122287), (312, 122269), (321, 122239), (367, 122080), (375, 122047), (396, 121987), (409, 121939), (420, 121921), (435, 121882),

Gene: Braelyn_3 Start: 2429, Stop: 1416, Start Num: 116
Candidate Starts for Braelyn_3:
(43, 2579), (57, 2543), (Start: 67 @2522 has 4 MA's), (79, 2504), (Start: 116 @2429 has 134 MA's), (145, 2348), (156, 2318), (178, 2258), (193, 2228), (202, 2213), (203, 2210), (227, 2162), (253, 2051), (272, 1997), (284, 1952), (296, 1916), (306, 1877), (312, 1859), (321, 1829), (367, 1670), (375, 1637), (396, 1577), (409, 1529), (420, 1511), (435, 1472),

Gene: BrazzalePHS_57 Start: 37331, Stop: 38326, Start Num: 133
Candidate Starts for BrazzalePHS_57:
(Start: 133 @37331 has 42 MA's), (182, 37451), (187, 37460), (190, 37472), (202, 37505), (204, 37511), (208, 37529), (234, 37640), (255, 37721), (281, 37799), (284, 37811), (321, 37934), (329, 37964), (385, 38135), (393, 38156), (402, 38186), (415, 38219), (434, 38267),

Gene: Brent_73 Start: 49498, Stop: 48494, Start Num: 121
Candidate Starts for Brent_73:
(Start: 101 @49543 has 2 MA's), (Start: 112 @49516 has 9 MA's), (Start: 121 @49498 has 22 MA's), (197, 49318), (204, 49300), (220, 49255), (224, 49246), (228, 49219), (251, 49135), (255, 49111), (257, 49105), (260, 49087), (302, 48958), (340, 48829), (343, 48814), (410, 48607), (429, 48562), (450, 48508),

Gene: Briakila_98 Start: 67399, Stop: 66341, Start Num: 114
Candidate Starts for Briakila_98:
(30, 67573), (Start: 42 @67543 has 7 MA's), (Start: 85 @67453 has 17 MA's), (Start: 114 @67399 has 161 MA's), (Start: 128 @67369 has 1 MA's), (150, 67285), (164, 67252), (200, 67180), (226, 67108), (244, 67027), (255, 66982), (257, 66976), (259, 66970), (260, 66958), (264, 66952), (272, 66922), (300, 66820), (307, 66802), (321, 66757), (340, 66685), (343, 66670), (352, 66643), (355, 66634), (370, 66577), (400, 66493), (406, 66469), (419, 66439),

Gene: Bricole_151 Start: 75493, Stop: 74420, Start Num: 122
Candidate Starts for Bricole_151:
(39, 75670), (44, 75658), (Start: 76 @75589 has 6 MA's), (88, 75568), (Start: 122 @75493 has 14 MA's), (151, 75388), (158, 75379), (175, 75343), (199, 75289), (210, 75256), (220, 75226), (236, 75142), (260, 75046), (281, 74989), (294, 74947), (298, 74929), (313, 74866), (317, 74857), (320,

74845), (321, 74842), (335, 74791), (350, 74731), (388, 74632), (391, 74623), (403, 74587), (418, 74548), (453, 74452), (456, 74443),

Gene: Brizzy_2 Start: 2240, Stop: 1200, Start Num: 96
Candidate Starts for Brizzy_2:
(Start: 96 @2240 has 21 MA's), (Start: 116 @2195 has 134 MA's), (156, 2084), (167, 2051), (187, 2018), (199, 2006), (203, 1997), (227, 1949), (229, 1931), (230, 1928), (272, 1784), (276, 1775), (285, 1733), (296, 1703), (306, 1664), (312, 1646), (321, 1616), (338, 1553), (375, 1421), (396, 1361), (409, 1313), (435, 1256), (449, 1220),

Gene: Brizzy_260 Start: 121463, Stop: 120468, Start Num: 116
Candidate Starts for Brizzy_260:
(Start: 96 @121508 has 21 MA's), (Start: 116 @121463 has 134 MA's), (156, 121352), (167, 121319), (187, 121286), (199, 121274), (203, 121265), (227, 121217), (229, 121199), (230, 121196), (272, 121052), (276, 121043), (285, 121001), (296, 120971), (306, 120932), (312, 120914), (321, 120884), (338, 120821), (375, 120689), (396, 120629), (409, 120581), (435, 120524), (449, 120488),

Gene: BrownCNA_92 Start: 68899, Stop: 67841, Start Num: 114
Candidate Starts for BrownCNA_92:
(Start: 114 @68899 has 161 MA's), (150, 68785), (152, 68779), (164, 68752), (167, 68737), (171, 68728), (187, 68710), (204, 68671), (208, 68653), (226, 68608), (240, 68545), (257, 68476), (260, 68458), (266, 68440), (269, 68428), (272, 68422), (293, 68350), (296, 68341), (300, 68320), (336, 68203), (338, 68194), (343, 68170), (346, 68161), (351, 68146), (359, 68125), (374, 68068), (384, 68038), (400, 67996), (405, 67975), (433, 67900), (439, 67879), (451, 67852), (454, 67846),

Gene: Brownie5_85 Start: 64906, Stop: 63836, Start Num: 114
Candidate Starts for Brownie5_85:
(Start: 114 @64906 has 161 MA's), (Start: 128 @64876 has 1 MA's), (150, 64810), (153, 64801), (164, 64777), (171, 64753), (182, 64729), (257, 64474), (259, 64468), (260, 64456), (272, 64423), (279, 64402), (295, 64345), (296, 64342), (307, 64303), (310, 64294), (319, 64264), (323, 64249), (335, 64207), (340, 64186), (348, 64156), (355, 64135), (374, 64069), (375, 64066), (384, 64039), (387, 64033), (414, 63958), (421, 63922),

Gene: Bumble_71 Start: 45632, Stop: 44619, Start Num: 126
Candidate Starts for Bumble_71:
(Start: 126 @45632 has 6 MA's), (150, 45563), (157, 45545), (251, 45275), (255, 45251), (289, 45143), (295, 45128), (301, 45101), (302, 45098), (340, 44969), (343, 44954), (431, 44693), (454, 44633),

Gene: Busephilis_57 Start: 37241, Stop: 38236, Start Num: 133
Candidate Starts for Busephilis_57:
(Start: 133 @37241 has 42 MA's), (182, 37361), (187, 37370), (190, 37382), (202, 37415), (204, 37421), (208, 37439), (234, 37550), (255, 37631), (281, 37709), (284, 37721), (321, 37844), (329, 37874), (333, 37886), (385, 38045), (393, 38066), (402, 38096), (415, 38129), (434, 38177),

Gene: Bush_51 Start: 30955, Stop: 32007, Start Num: 82
Candidate Starts for Bush_51:
(Start: 82 @30955 has 16 MA's), (Start: 105 @30997 has 1 MA's), (150, 31093), (167, 31141), (217, 31231), (257, 31390), (259, 31396), (263, 31411), (280, 31453), (289, 31492), (293, 31501), (340, 31666), (371, 31774), (414, 31894), (431, 31936), (455, 31996),

Gene: CRB2_89 Start: 68970, Stop: 67930, Start Num: 114
Candidate Starts for CRB2_89:

(39, 69111), (Start: 114 @68970 has 161 MA's), (119, 68961), (150, 68874), (164, 68841), (167, 68826), (188, 68799), (193, 68781), (195, 68775), (207, 68760), (226, 68712), (255, 68586), (257, 68580), (259, 68574), (260, 68562), (276, 68520), (279, 68508), (287, 68469), (296, 68448), (316, 68376), (319, 68370), (321, 68364), (338, 68301), (348, 68262), (351, 68253), (355, 68241), (359, 68232), (371, 68184), (374, 68175), (375, 68172), (378, 68163), (400, 68103), (406, 68079), (408, 68073), (426, 68037), (437, 68013), (448, 67986), (457, 67962),

Gene: Cadmus_250 Start: 124744, Stop: 123731, Start Num: 116
Candidate Starts for Cadmus_250:
(110, 124756), (Start: 116 @124744 has 134 MA's), (145, 124663), (156, 124633), (186, 124567), (202, 124528), (227, 124477), (253, 124366), (254, 124363), (272, 124312), (276, 124303), (278, 124294), (296, 124231), (306, 124192), (312, 124174), (321, 124144), (338, 124081), (362, 123997), (367, 123985), (375, 123952), (396, 123892), (409, 123844), (420, 123826), (436, 123784),

Gene: Cadmus_2 Start: 2263, Stop: 1250, Start Num: 116
Candidate Starts for Cadmus_2:
(110, 2275), (Start: 116 @2263 has 134 MA's), (145, 2182), (156, 2152), (186, 2086), (202, 2047), (227, 1996), (253, 1885), (254, 1882), (272, 1831), (276, 1822), (278, 1813), (296, 1750), (306, 1711), (312, 1693), (321, 1663), (338, 1600), (362, 1516), (367, 1504), (375, 1471), (396, 1411), (409, 1363), (420, 1345), (436, 1303),

Gene: CaiB_80 Start: 59816, Stop: 58797, Start Num: 114
Candidate Starts for CaiB_80:
(Start: 33 @59972 has 1 MA's), (Start: 69 @59894 has 1 MA's), (91, 59858), (Start: 114 @59816 has 161 MA's), (150, 59720), (164, 59687), (171, 59663), (173, 59654), (191, 59630), (204, 59612), (209, 59591), (251, 59444), (255, 59420), (257, 59414), (260, 59396), (279, 59342), (286, 59306), (300, 59261), (316, 59210), (348, 59096), (375, 59006), (384, 58979), (387, 58973), (431, 58862),

Gene: CalWood4100_76 Start: 46704, Stop: 45700, Start Num: 124
Candidate Starts for CalWood4100_76:
(Start: 124 @46704 has 1 MA's), (150, 46629), (157, 46611), (251, 46353), (255, 46329), (340, 46047), (351, 46008), (352, 46005),

Gene: Calamitous_86 Start: 64789, Stop: 63719, Start Num: 114
Candidate Starts for Calamitous_86:
(Start: 114 @64789 has 161 MA's), (Start: 128 @64759 has 1 MA's), (150, 64693), (153, 64684), (164, 64660), (171, 64636), (182, 64612), (257, 64357), (259, 64351), (260, 64339), (272, 64306), (279, 64285), (295, 64228), (296, 64225), (307, 64186), (310, 64177), (319, 64147), (323, 64132), (328, 64114), (335, 64090), (340, 64069), (348, 64039), (355, 64018), (374, 63952), (375, 63949), (384, 63922), (387, 63916), (414, 63841), (421, 63805),

Gene: Candle_59 Start: 44716, Stop: 45912, Start Num: 72
Candidate Starts for Candle_59:
(Start: 72 @44716 has 13 MA's), (81, 44731), (Start: 112 @44797 has 9 MA's), (120, 44806), (142, 44887), (148, 44908), (154, 44923), (166, 44950), (192, 45010), (199, 45031), (209, 45064), (234, 45175), (235, 45181), (239, 45193), (251, 45232), (257, 45262), (270, 45301), (294, 45379), (296, 45385), (299, 45400), (336, 45538), (343, 45571), (350, 45595), (385, 45688), (391, 45706), (402, 45739), (434, 45823), (439, 45844), (445, 45859), (453, 45877), (454, 45880), (456, 45886), (458, 45895), (459, 45898),

Gene: Caprice_100 Start: 57512, Stop: 56442, Start Num: 111
Candidate Starts for Caprice_100:

(Start: 86 @57566 has 1 MA's), (93, 57557), (Start: 111 @57512 has 34 MA's), (120, 57497), (130, 57464), (159, 57371), (175, 57338), (184, 57314), (198, 57281), (199, 57278), (200, 57275), (206, 57260), (210, 57248), (219, 57221), (236, 57134), (240, 57122), (250, 57089), (255, 57062), (257, 57056), (260, 57038), (278, 56996), (281, 56981), (292, 56945), (296, 56933), (314, 56855), (318, 56849), (326, 56822), (332, 56801), (343, 56753), (351, 56726), (383, 56651), (392, 56630), (395, 56627), (453, 56459), (454, 56456),

Gene: Carrillo_52 Start: 30929, Stop: 31981, Start Num: 82
Candidate Starts for Carrillo_52:
(Start: 82 @30929 has 16 MA's), (Start: 105 @30971 has 1 MA's), (150, 31067), (167, 31115), (217, 31205), (257, 31364), (259, 31370), (263, 31385), (280, 31427), (289, 31466), (340, 31640), (371, 31748), (414, 31868), (431, 31910), (455, 31970),

Gene: Casbah_97 Start: 67210, Stop: 66152, Start Num: 114
Candidate Starts for Casbah_97:
(30, 67384), (Start: 42 @67354 has 7 MA's), (Start: 85 @67264 has 17 MA's), (Start: 114 @67210 has 161 MA's), (Start: 128 @67180 has 1 MA's), (150, 67096), (164, 67063), (200, 66991), (226, 66919), (244, 66838), (255, 66793), (257, 66787), (259, 66781), (260, 66769), (272, 66733), (300, 66631), (307, 66613), (321, 66568), (340, 66496), (343, 66481), (352, 66454), (355, 66445), (370, 66388), (400, 66304), (406, 66280), (419, 66250),

Gene: Causa_155 Start: 87546, Stop: 86410, Start Num: 68
Candidate Starts for Causa_155:
(Start: 68 @87546 has 2 MA's), (150, 87360), (164, 87327), (167, 87312), (208, 87231), (227, 87183), (241, 87117), (257, 87054), (321, 86835), (326, 86817), (337, 86775), (338, 86772), (356, 86706), (370, 86655), (374, 86643), (377, 86634), (384, 86613), (406, 86547), (408, 86541), (412, 86535),

Gene: Cborch11_55 Start: 42707, Stop: 43936, Start Num: 63
Candidate Starts for Cborch11_55:
(Start: 63 @42707 has 2 MA's), (Start: 75 @42725 has 7 MA's), (89, 42749), (103, 42770), (106, 42779), (151, 42905), (155, 42914), (187, 42989), (226, 43118), (237, 43172), (240, 43181), (255, 43247), (257, 43253), (292, 43364), (312, 43439), (314, 43454), (321, 43469), (326, 43487), (335, 43520), (360, 43616), (430, 43811), (438, 43835), (439, 43838), (443, 43847), (462, 43901), (465, 43910),

Gene: CeilingFan_268 Start: 122824, Stop: 121829, Start Num: 116
Candidate Starts for CeilingFan_268:
(Start: 96 @122869 has 21 MA's), (Start: 116 @122824 has 134 MA's), (156, 122713), (167, 122680), (187, 122647), (199, 122635), (203, 122626), (227, 122578), (229, 122560), (230, 122557), (272, 122413), (276, 122404), (285, 122362), (296, 122332), (306, 122293), (312, 122275), (321, 122245), (338, 122182), (375, 122050), (396, 121990), (409, 121942), (435, 121885), (449, 121849),

Gene: CeilingFan_2 Start: 2217, Stop: 1222, Start Num: 116
Candidate Starts for CeilingFan_2:
(Start: 96 @2262 has 21 MA's), (Start: 116 @2217 has 134 MA's), (156, 2106), (167, 2073), (187, 2040), (199, 2028), (203, 2019), (227, 1971), (229, 1953), (230, 1950), (272, 1806), (276, 1797), (285, 1755), (296, 1725), (306, 1686), (312, 1668), (321, 1638), (338, 1575), (375, 1443), (396, 1383), (409, 1335), (435, 1278), (449, 1242),

Gene: ChaChing_97 Start: 67052, Stop: 65850, Start Num: 42
Candidate Starts for ChaChing_97:
(30, 67082), (Start: 42 @67052 has 7 MA's), (Start: 85 @66962 has 17 MA's), (Start: 114 @66908 has 161 MA's), (Start: 128 @66878 has 1 MA's), (150, 66794), (164, 66761), (200, 66689), (226, 66617),

(244, 66536), (255, 66491), (257, 66485), (259, 66479), (260, 66467), (272, 66431), (300, 66329), (307, 66311), (321, 66266), (340, 66194), (343, 66179), (352, 66152), (355, 66143), (370, 66086), (400, 66002), (406, 65978), (419, 65948),

Gene: Chalmers_97 Start: 67646, Stop: 66588, Start Num: 114
Candidate Starts for Chalmers_97:
(30, 67820), (Start: 42 @67790 has 7 MA's), (Start: 85 @67700 has 17 MA's), (Start: 114 @67646 has 161 MA's), (Start: 128 @67616 has 1 MA's), (150, 67532), (164, 67499), (200, 67427), (226, 67355), (244, 67274), (255, 67229), (257, 67223), (259, 67217), (260, 67205), (272, 67169), (300, 67067), (307, 67049), (321, 67004), (340, 66932), (343, 66917), (352, 66890), (355, 66881), (370, 66824), (400, 66740), (406, 66716), (419, 66686),

Gene: Chandler_97 Start: 67738, Stop: 66626, Start Num: 85
Candidate Starts for Chandler_97:
(30, 67858), (Start: 42 @67828 has 7 MA's), (Start: 85 @67738 has 17 MA's), (Start: 114 @67684 has 161 MA's), (Start: 128 @67654 has 1 MA's), (150, 67570), (164, 67537), (200, 67465), (226, 67393), (244, 67312), (255, 67267), (257, 67261), (259, 67255), (260, 67243), (272, 67207), (300, 67105), (307, 67087), (321, 67042), (340, 66970), (343, 66955), (352, 66928), (355, 66919), (370, 66862), (400, 66778), (406, 66754), (419, 66724),

Gene: CharlottesWeb_76 Start: 57928, Stop: 56921, Start Num: 114
Candidate Starts for CharlottesWeb_76:
(23, 58141), (29, 58096), (65, 58012), (Start: 69 @58006 has 1 MA's), (91, 57970), (Start: 114 @57928 has 161 MA's), (150, 57832), (164, 57799), (167, 57784), (194, 57733), (207, 57718), (251, 57568), (255, 57544), (257, 57538), (260, 57520), (279, 57466), (289, 57424), (293, 57415), (300, 57385), (316, 57334), (340, 57250), (369, 57151), (374, 57133), (375, 57130), (387, 57097), (400, 57061),

Gene: Chentzyk_99 Start: 67894, Stop: 66782, Start Num: 85
Candidate Starts for Chentzyk_99:
(30, 68014), (Start: 42 @67984 has 7 MA's), (Start: 85 @67894 has 17 MA's), (Start: 114 @67840 has 161 MA's), (Start: 128 @67810 has 1 MA's), (150, 67726), (164, 67693), (200, 67621), (226, 67549), (244, 67468), (255, 67423), (257, 67417), (259, 67411), (260, 67399), (264, 67393), (272, 67363), (300, 67261), (307, 67243), (321, 67198), (340, 67126), (343, 67111), (352, 67084), (355, 67075), (370, 67018), (400, 66934), (406, 66910), (419, 66880),

Gene: Chilliams_172 Start: 106822, Stop: 107802, Start Num: 114
Candidate Starts for Chilliams_172:
(Start: 114 @106822 has 161 MA's), (Start: 122 @106840 has 14 MA's), (130, 106864), (255, 107200), (278, 107263), (299, 107341), (328, 107437), (371, 107569), (375, 107581), (386, 107614), (448, 107782),

Gene: ChrisnMich_93 Start: 67523, Stop: 66477, Start Num: 114
Candidate Starts for ChrisnMich_93:
(Start: 85 @67580 has 17 MA's), (Start: 114 @67523 has 161 MA's), (136, 67451), (150, 67409), (164, 67376), (167, 67361), (171, 67352), (187, 67334), (204, 67295), (207, 67280), (208, 67277), (226, 67232), (240, 67169), (257, 67100), (259, 67094), (260, 67082), (266, 67064), (293, 66974), (296, 66965), (300, 66944), (310, 66917), (323, 66872), (336, 66827), (340, 66809), (343, 66794), (346, 66785), (348, 66779), (351, 66770), (359, 66749), (374, 66692), (384, 66662), (398, 66632), (400, 66620), (433, 66536), (439, 66515), (454, 66482),

Gene: Cinna_55 Start: 38481, Stop: 39482, Start Num: 127
Candidate Starts for Cinna_55:

(Start: 127 @38481 has 37 MA's), (137, 38529), (144, 38553), (163, 38595), (185, 38637), (217, 38697), (226, 38736), (229, 38760), (233, 38775), (235, 38784), (243, 38811), (245, 38817), (246, 38820), (256, 38868), (303, 39027), (337, 39150), (340, 39162), (343, 39177), (366, 39237), (371, 39252), (389, 39306),

Gene: Circuit_70 Start: 45977, Stop: 44967, Start Num: 126
Candidate Starts for Circuit_70:
(Start: 126 @45977 has 6 MA's), (150, 45908), (157, 45890), (251, 45620), (255, 45596), (289, 45488), (295, 45473), (301, 45446), (302, 45443), (340, 45314), (343, 45299), (346, 45287),

Gene: Clarkson_101 Start: 57755, Stop: 56685, Start Num: 111
Candidate Starts for Clarkson_101:
(Start: 86 @57809 has 1 MA's), (93, 57800), (Start: 111 @57755 has 34 MA's), (120, 57740), (130, 57707), (159, 57614), (175, 57581), (184, 57557), (198, 57524), (199, 57521), (200, 57518), (206, 57503), (210, 57491), (219, 57464), (236, 57377), (240, 57365), (250, 57332), (255, 57305), (257, 57299), (260, 57281), (278, 57239), (281, 57224), (292, 57188), (296, 57176), (314, 57098), (318, 57092), (326, 57065), (332, 57044), (351, 56969), (383, 56894), (392, 56873), (395, 56870), (453, 56702), (454, 56699),

Gene: Clawz_1 Start: 1, Stop: 1032, Start Num: 109
Candidate Starts for Clawz_1:
(Start: 109 @1 has 7 MA's), (150, 97), (171, 154), (191, 199), (254, 406), (257, 418), (259, 424), (277, 481), (287, 526), (340, 703), (351, 745), (354, 754), (355, 757), (361, 778),

Gene: ClearAsMud_62 Start: 37812, Stop: 38807, Start Num: 133
Candidate Starts for ClearAsMud_62:
(Start: 133 @37812 has 42 MA's), (182, 37932), (187, 37941), (190, 37953), (202, 37986), (204, 37992), (208, 38010), (234, 38121), (255, 38202), (270, 38244), (281, 38280), (284, 38292), (321, 38415), (329, 38445), (333, 38457), (385, 38616), (393, 38637), (407, 38679), (415, 38700), (434, 38748),

Gene: CloverMinnie_79 Start: 59450, Stop: 58275, Start Num: 33
Candidate Starts for CloverMinnie_79:
(Start: 33 @59450 has 1 MA's), (Start: 69 @59372 has 1 MA's), (91, 59336), (Start: 114 @59294 has 161 MA's), (150, 59198), (164, 59165), (171, 59141), (173, 59132), (191, 59108), (204, 59090), (209, 59069), (251, 58922), (255, 58898), (257, 58892), (260, 58874), (279, 58820), (286, 58784), (300, 58739), (316, 58688), (348, 58574), (375, 58484), (384, 58457), (387, 58451), (431, 58340),

Gene: Coco2012_75 Start: 57552, Stop: 56545, Start Num: 114
Candidate Starts for Coco2012_75:
(23, 57765), (29, 57720), (65, 57636), (Start: 69 @57630 has 1 MA's), (91, 57594), (Start: 114 @57552 has 161 MA's), (150, 57456), (164, 57423), (167, 57408), (194, 57357), (207, 57342), (251, 57192), (255, 57168), (257, 57162), (260, 57144), (279, 57090), (289, 57048), (293, 57039), (300, 57009), (316, 56958), (340, 56874), (369, 56775), (374, 56757), (375, 56754), (387, 56721), (400, 56685),

Gene: Coffee_84 Start: 64899, Stop: 63829, Start Num: 114
Candidate Starts for Coffee_84:
(Start: 114 @64899 has 161 MA's), (Start: 128 @64869 has 1 MA's), (150, 64803), (153, 64794), (164, 64770), (171, 64746), (182, 64722), (257, 64467), (259, 64461), (260, 64449), (272, 64416), (279, 64395), (295, 64338), (296, 64335), (307, 64296), (310, 64287), (319, 64257), (323, 64242), (328, 64224), (335, 64200), (340, 64179), (348, 64149), (355, 64128), (374, 64062), (375, 64059), (384, 64032), (387, 64026), (414, 63951), (421, 63915),

Gene: ColdSoup_1 Start: 1, Stop: 1032, Start Num: 109
Candidate Starts for ColdSoup_1:
(Start: 109 @1 has 7 MA's), (150, 97), (191, 199), (254, 406), (257, 418), (259, 424), (277, 481), (287, 526), (296, 547), (307, 586), (340, 703), (343, 718), (354, 754), (355, 757),

Gene: Coldpizza_75 Start: 59810, Stop: 58806, Start Num: 114
Candidate Starts for Coldpizza_75:
(Start: 114 @59810 has 161 MA's), (150, 59714), (164, 59681), (171, 59657), (200, 59627), (204, 59618), (208, 59600), (217, 59582), (227, 59552), (257, 59423), (266, 59387), (272, 59369), (287, 59309), (295, 59291), (300, 59267), (343, 59117), (348, 59102), (359, 59072), (375, 59012), (406, 58919),

Gene: Compostia_96 Start: 67362, Stop: 66304, Start Num: 114
Candidate Starts for Compostia_96:
(30, 67536), (Start: 42 @67506 has 7 MA's), (Start: 85 @67416 has 17 MA's), (Start: 114 @67362 has 161 MA's), (Start: 128 @67332 has 1 MA's), (150, 67248), (164, 67215), (200, 67143), (226, 67071), (244, 66990), (255, 66945), (257, 66939), (259, 66933), (260, 66921), (272, 66885), (300, 66783), (307, 66765), (321, 66720), (340, 66648), (343, 66633), (352, 66606), (355, 66597), (370, 66540), (400, 66456), (406, 66432), (419, 66402),

Gene: Comrade_215 Start: 108241, Stop: 109263, Start Num: 112
Candidate Starts for Comrade_215:
(Start: 112 @108241 has 9 MA's), (Start: 128 @108271 has 1 MA's), (156, 108352), (164, 108370), (187, 108412), (192, 108430), (203, 108448), (258, 108628), (278, 108691), (285, 108724), (289, 108736), (291, 108739), (295, 108751), (316, 108826), (338, 108901), (343, 108925), (353, 108955), (371, 109018), (449, 109237),

Gene: Coogler_2 Start: 2225, Stop: 1212, Start Num: 116
Candidate Starts for Coogler_2:
(Start: 45 @2372 has 4 MA's), (Start: 67 @2318 has 4 MA's), (79, 2300), (Start: 116 @2225 has 134 MA's), (156, 2114), (167, 2081), (178, 2054), (187, 2045), (193, 2024), (202, 2009), (227, 1958), (253, 1847), (272, 1793), (296, 1712), (306, 1673), (312, 1655), (321, 1625), (338, 1562), (362, 1478), (367, 1466), (375, 1433), (396, 1373), (409, 1325), (420, 1307), (435, 1268),

Gene: Coogler_248 Start: 123737, Stop: 122724, Start Num: 116
Candidate Starts for Coogler_248:
(Start: 45 @123884 has 4 MA's), (Start: 67 @123830 has 4 MA's), (79, 123812), (Start: 116 @123737 has 134 MA's), (156, 123626), (167, 123593), (178, 123566), (187, 123557), (193, 123536), (202, 123521), (227, 123470), (253, 123359), (272, 123305), (296, 123224), (306, 123185), (312, 123167), (321, 123137), (338, 123074), (362, 122990), (367, 122978), (375, 122945), (396, 122885), (409, 122837), (420, 122819), (435, 122780),

Gene: CookieDog_50 Start: 30929, Stop: 31981, Start Num: 82
Candidate Starts for CookieDog_50:
(Start: 82 @30929 has 16 MA's), (Start: 105 @30971 has 1 MA's), (150, 31067), (167, 31115), (217, 31205), (257, 31364), (259, 31370), (263, 31385), (280, 31427), (289, 31466), (340, 31640), (371, 31748), (414, 31868), (431, 31910), (455, 31970),

Gene: Cooper_93 Start: 68069, Stop: 67017, Start Num: 114
Candidate Starts for Cooper_93:
(Start: 85 @68126 has 17 MA's), (Start: 114 @68069 has 161 MA's), (136, 67997), (150, 67955), (164, 67922), (167, 67907), (171, 67898), (187, 67880), (203, 67838), (204, 67835), (207, 67820), (208, 67817), (226, 67772), (240, 67709), (257, 67640), (259, 67634), (260, 67622), (266, 67604), (293,

67514), (296, 67505), (300, 67484), (310, 67457), (323, 67412), (336, 67367), (340, 67349), (343, 67334), (346, 67325), (348, 67319), (351, 67310), (359, 67289), (374, 67232), (384, 67202), (398, 67172), (400, 67160), (433, 67076), (439, 67055), (454, 67022),

Gene: Corazon_95 Start: 57949, Stop: 56879, Start Num: 111
Candidate Starts for Corazon_95:
(Start: 86 @58003 has 1 MA's), (93, 57994), (Start: 111 @57949 has 34 MA's), (120, 57934), (130, 57901), (159, 57808), (175, 57775), (184, 57751), (198, 57718), (199, 57715), (200, 57712), (206, 57697), (210, 57685), (219, 57658), (236, 57571), (240, 57559), (250, 57526), (255, 57499), (257, 57493), (260, 57475), (278, 57433), (281, 57418), (292, 57382), (296, 57370), (314, 57292), (318, 57286), (326, 57259), (332, 57238), (351, 57163), (383, 57088), (392, 57067), (395, 57064), (453, 56896), (454, 56893),

Gene: Corofin_97 Start: 66919, Stop: 65861, Start Num: 114
Candidate Starts for Corofin_97:
(30, 67093), (Start: 42 @67063 has 7 MA's), (Start: 85 @66973 has 17 MA's), (Start: 114 @66919 has 161 MA's), (Start: 128 @66889 has 1 MA's), (150, 66805), (164, 66772), (200, 66700), (226, 66628), (244, 66547), (255, 66502), (257, 66496), (259, 66490), (260, 66478), (264, 66472), (272, 66442), (300, 66340), (307, 66322), (321, 66277), (340, 66205), (343, 66190), (352, 66163), (355, 66154), (370, 66097), (400, 66013), (406, 65989), (419, 65959),

Gene: Cranjis_59 Start: 37490, Stop: 38485, Start Num: 133
Candidate Starts for Cranjis_59:
(Start: 133 @37490 has 42 MA's), (182, 37610), (187, 37619), (190, 37631), (202, 37664), (204, 37670), (208, 37688), (234, 37799), (255, 37880), (281, 37958), (284, 37970), (321, 38093), (329, 38123), (385, 38294), (393, 38315), (402, 38345), (415, 38378), (434, 38426),

Gene: CrazyRich_57 Start: 37299, Stop: 38294, Start Num: 133
Candidate Starts for CrazyRich_57:
(Start: 133 @37299 has 42 MA's), (182, 37419), (187, 37428), (190, 37440), (202, 37473), (204, 37479), (208, 37497), (234, 37608), (255, 37689), (281, 37767), (284, 37779), (321, 37902), (329, 37932), (385, 38103), (393, 38124), (402, 38154), (415, 38187), (434, 38235),

Gene: Cressida_58 Start: 38132, Stop: 39133, Start Num: 127
Candidate Starts for Cressida_58:
(Start: 127 @38132 has 37 MA's), (137, 38180), (144, 38204), (163, 38246), (185, 38288), (217, 38348), (226, 38387), (229, 38411), (233, 38426), (243, 38462), (245, 38468), (246, 38471), (256, 38519), (303, 38678), (337, 38801), (340, 38813), (343, 38828), (366, 38888), (371, 38903), (389, 38957), (427, 39068), (450, 39125),

Gene: Crisis_59 Start: 37290, Stop: 38285, Start Num: 133
Candidate Starts for Crisis_59:
(Start: 133 @37290 has 42 MA's), (182, 37410), (187, 37419), (190, 37431), (202, 37464), (204, 37470), (208, 37488), (234, 37599), (255, 37680), (281, 37758), (284, 37770), (321, 37893), (329, 37923), (385, 38094), (393, 38115), (402, 38145), (415, 38178), (434, 38226),

Gene: Cross_2 Start: 2225, Stop: 1212, Start Num: 116
Candidate Starts for Cross_2:
(Start: 45 @2372 has 4 MA's), (Start: 67 @2318 has 4 MA's), (79, 2300), (Start: 116 @2225 has 134 MA's), (156, 2114), (167, 2081), (178, 2054), (187, 2045), (193, 2024), (202, 2009), (227, 1958), (253, 1847), (272, 1793), (296, 1712), (306, 1673), (312, 1655), (321, 1625), (338, 1562), (362, 1478), (367, 1466), (375, 1433), (396, 1373), (409, 1325), (420, 1307), (435, 1268),

Gene: Cross_250 Start: 123957, Stop: 122944, Start Num: 116
Candidate Starts for Cross_250:
(Start: 45 @124104 has 4 MA's), (Start: 67 @124050 has 4 MA's), (79, 124032), (Start: 116 @123957 has 134 MA's), (156, 123846), (167, 123813), (178, 123786), (187, 123777), (193, 123756), (202, 123741), (227, 123690), (253, 123579), (272, 123525), (296, 123444), (306, 123405), (312, 123387), (321, 123357), (338, 123294), (362, 123210), (367, 123198), (375, 123165), (396, 123105), (409, 123057), (420, 123039), (435, 123000),

Gene: Cuke_50 Start: 34724, Stop: 35866, Start Num: 72
Candidate Starts for Cuke_50:
(Start: 72 @34724 has 13 MA's), (106, 34790), (Start: 122 @34826 has 14 MA's), (125, 34832), (Start: 133 @34874 has 42 MA's), (148, 34925), (183, 34988), (218, 35075), (234, 35126), (240, 35147), (250, 35180), (255, 35207), (257, 35213), (259, 35219), (270, 35252), (274, 35261), (294, 35330), (300, 35357), (317, 35420), (338, 35498), (355, 35561), (357, 35567), (381, 35636), (391, 35663), (394, 35666), (397, 35675), (402, 35696), (422, 35753), (427, 35765), (433, 35774), (447, 35816), (458, 35849),

Gene: CurlyFries_38 Start: 30545, Stop: 29493, Start Num: 111
Candidate Starts for CurlyFries_38:
(Start: 108 @30554 has 2 MA's), (Start: 111 @30545 has 34 MA's), (130, 30497), (181, 30368), (198, 30329), (213, 30284), (216, 30275), (224, 30242), (257, 30101), (259, 30095), (299, 29963), (385, 29699), (403, 29645), (418, 29606), (444, 29531),

Gene: Cursive_2 Start: 2225, Stop: 1212, Start Num: 116
Candidate Starts for Cursive_2:
(Start: 116 @2225 has 134 MA's), (156, 2114), (167, 2081), (178, 2054), (187, 2045), (193, 2024), (202, 2009), (227, 1958), (253, 1847), (272, 1793), (296, 1712), (306, 1673), (312, 1655), (321, 1625), (338, 1562), (362, 1478), (367, 1466), (375, 1433), (396, 1373), (409, 1325), (420, 1307), (435, 1268),

Gene: Cursive_256 Start: 124234, Stop: 123221, Start Num: 116
Candidate Starts for Cursive_256:
(Start: 116 @124234 has 134 MA's), (156, 124123), (167, 124090), (178, 124063), (187, 124054), (193, 124033), (202, 124018), (227, 123967), (253, 123856), (272, 123802), (296, 123721), (306, 123682), (312, 123664), (321, 123634), (338, 123571), (362, 123487), (367, 123475), (375, 123442), (396, 123382), (409, 123334), (420, 123316), (435, 123277),

Gene: Daisy_96 Start: 66522, Stop: 65410, Start Num: 85
Candidate Starts for Daisy_96:
(30, 66642), (Start: 42 @66612 has 7 MA's), (Start: 85 @66522 has 17 MA's), (Start: 114 @66468 has 161 MA's), (Start: 128 @66438 has 1 MA's), (150, 66354), (164, 66321), (200, 66249), (226, 66177), (244, 66096), (255, 66051), (257, 66045), (259, 66039), (260, 66027), (272, 65991), (300, 65889), (307, 65871), (321, 65826), (340, 65754), (343, 65739), (352, 65712), (355, 65703), (370, 65646), (400, 65562), (406, 65538), (419, 65508),

Gene: Daisy123_265 Start: 122076, Stop: 121081, Start Num: 116
Candidate Starts for Daisy123_265:
(Start: 96 @122121 has 21 MA's), (Start: 116 @122076 has 134 MA's), (156, 121965), (167, 121932), (187, 121899), (199, 121887), (203, 121878), (227, 121830), (229, 121812), (230, 121809), (272, 121665), (276, 121656), (285, 121614), (296, 121584), (306, 121545), (312, 121527), (321, 121497), (338, 121434), (375, 121302), (396, 121242), (409, 121194), (435, 121137), (449, 121101),

Gene: Daisy123_2 Start: 2216, Stop: 1221, Start Num: 116
Candidate Starts for Daisy123_2:

(Start: 96 @2261 has 21 MA's), (Start: 116 @2216 has 134 MA's), (156, 2105), (167, 2072), (187, 2039), (199, 2027), (203, 2018), (227, 1970), (229, 1952), (230, 1949), (272, 1805), (276, 1796), (285, 1754), (296, 1724), (306, 1685), (312, 1667), (321, 1637), (338, 1574), (375, 1442), (396, 1382), (409, 1334), (435, 1277), (449, 1241),

Gene: Damien_54 Start: 42670, Stop: 43899, Start Num: 63
Candidate Starts for Damien_54:
(Start: 63 @42670 has 2 MA's), (Start: 75 @42688 has 7 MA's), (103, 42733), (106, 42742), (151, 42868), (155, 42877), (187, 42952), (226, 43081), (237, 43135), (240, 43144), (255, 43210), (257, 43216), (260, 43234), (277, 43273), (292, 43327), (312, 43402), (314, 43417), (321, 43432), (326, 43450), (335, 43483), (360, 43579), (438, 43798), (439, 43801), (443, 43810), (462, 43864),

Gene: Davielle_2 Start: 2215, Stop: 1202, Start Num: 116
Candidate Starts for Davielle_2:
(43, 2365), (57, 2329), (Start: 67 @2308 has 4 MA's), (79, 2290), (Start: 116 @2215 has 134 MA's), (145, 2134), (156, 2104), (178, 2044), (193, 2014), (202, 1999), (203, 1996), (227, 1948), (253, 1837), (272, 1783), (284, 1738), (296, 1702), (306, 1663), (312, 1645), (321, 1615), (367, 1456), (375, 1423), (396, 1363), (409, 1315), (420, 1297), (435, 1258),

Gene: Davielle_251 Start: 123375, Stop: 122362, Start Num: 116
Candidate Starts for Davielle_251:
(43, 123525), (57, 123489), (Start: 67 @123468 has 4 MA's), (79, 123450), (Start: 116 @123375 has 134 MA's), (145, 123294), (156, 123264), (178, 123204), (193, 123174), (202, 123159), (203, 123156), (227, 123108), (253, 122997), (272, 122943), (284, 122898), (296, 122862), (306, 122823), (312, 122805), (321, 122775), (367, 122616), (375, 122583), (396, 122523), (409, 122475), (420, 122457), (435, 122418),

Gene: Deenasa_98 Start: 68122, Stop: 67064, Start Num: 114
Candidate Starts for Deenasa_98:
(30, 68296), (Start: 42 @68266 has 7 MA's), (Start: 85 @68176 has 17 MA's), (Start: 114 @68122 has 161 MA's), (Start: 128 @68092 has 1 MA's), (150, 68008), (164, 67975), (200, 67903), (226, 67831), (244, 67750), (255, 67705), (257, 67699), (259, 67693), (260, 67681), (264, 67675), (272, 67645), (300, 67543), (307, 67525), (321, 67480), (340, 67408), (343, 67393), (352, 67366), (355, 67357), (370, 67300), (400, 67216), (406, 67192), (419, 67162),

Gene: DeluluLabubu_223 Start: 108278, Stop: 109300, Start Num: 113
Candidate Starts for DeluluLabubu_223:
(Start: 113 @108278 has 18 MA's), (Start: 128 @108308 has 1 MA's), (156, 108389), (164, 108407), (187, 108449), (192, 108467), (203, 108485), (258, 108665), (278, 108728), (285, 108761), (289, 108773), (291, 108776), (295, 108788), (316, 108863), (338, 108938), (343, 108962), (353, 108992), (371, 109055), (449, 109277), (456, 109292),

Gene: Demikore_61 Start: 43525, Stop: 44829, Start Num: 107
Candidate Starts for Demikore_61:
(64, 43453), (Start: 107 @43525 has 4 MA's), (155, 43669), (180, 43726), (228, 43873), (236, 43906), (247, 43942), (251, 43960), (257, 43990), (277, 44047), (280, 44056), (284, 44077), (287, 44092), (296, 44113), (299, 44128), (328, 44233), (335, 44257), (340, 44278), (353, 44326), (354, 44329), (357, 44338), (385, 44461), (404, 44536), (413, 44554), (416, 44572), (417, 44575), (440, 44644), (462, 44704),

Gene: Devonte_95 Start: 66534, Stop: 65476, Start Num: 114
Candidate Starts for Devonte_95:

(30, 66708), (Start: 42 @66678 has 7 MA's), (Start: 85 @66588 has 17 MA's), (Start: 114 @66534 has 161 MA's), (Start: 128 @66504 has 1 MA's), (150, 66420), (164, 66387), (200, 66315), (226, 66243), (244, 66162), (255, 66117), (257, 66111), (259, 66105), (260, 66093), (272, 66057), (300, 65955), (307, 65937), (321, 65892), (340, 65820), (343, 65805), (352, 65778), (355, 65769), (370, 65712), (400, 65628), (406, 65604), (419, 65574),

Gene: Dewdrop_143 Start: 85445, Stop: 86449, Start Num: 127
Candidate Starts for Dewdrop_143:
(Start: 127 @85445 has 37 MA's), (132, 85475), (165, 85562), (207, 85640), (227, 85703), (245, 85781), (246, 85784), (254, 85823), (264, 85859), (296, 85961), (297, 85967), (300, 85982), (325, 86069), (341, 86129), (356, 86183), (357, 86186), (371, 86216), (383, 86252), (437, 86402),

Gene: DigitDog_92 Start: 67609, Stop: 66536, Start Num: 114
Candidate Starts for DigitDog_92:
(13, 67918), (27, 67804), (35, 67762), (Start: 114 @67609 has 161 MA's), (150, 67513), (164, 67480), (188, 67438), (197, 67408), (217, 67366), (220, 67357), (257, 67207), (259, 67201), (279, 67135), (296, 67075), (323, 66982), (326, 66973), (334, 66943), (338, 66928), (345, 66895), (348, 66889), (351, 66880), (355, 66868), (375, 66799), (377, 66793), (378, 66790), (406, 66706), (408, 66700), (426, 66661), (460, 66571), (461, 66568), (466, 66553),

Gene: Diminimus_146 Start: 74499, Stop: 73330, Start Num: 76
Candidate Starts for Diminimus_146:
(39, 74580), (44, 74568), (Start: 76 @74499 has 6 MA's), (88, 74478), (Start: 122 @74403 has 14 MA's), (151, 74298), (158, 74289), (175, 74253), (199, 74199), (210, 74166), (220, 74136), (236, 74052), (260, 73956), (281, 73899), (294, 73857), (298, 73839), (313, 73776), (317, 73767), (320, 73755), (321, 73752), (335, 73701), (350, 73641), (388, 73542), (391, 73533), (403, 73497), (418, 73458), (425, 73431), (453, 73362), (456, 73353),

Gene: DonTron_1 Start: 1, Stop: 1032, Start Num: 109
Candidate Starts for DonTron_1:
(Start: 109 @1 has 7 MA's), (150, 97), (191, 199), (254, 406), (257, 418), (259, 424), (277, 481), (287, 526), (296, 547), (307, 586), (340, 703), (343, 718), (354, 754), (355, 757),

Gene: Donny_90 Start: 66942, Stop: 65869, Start Num: 114
Candidate Starts for Donny_90:
(35, 67095), (Start: 114 @66942 has 161 MA's), (150, 66846), (164, 66813), (188, 66771), (220, 66690), (257, 66540), (259, 66534), (279, 66468), (323, 66315), (334, 66276), (338, 66261), (348, 66225), (351, 66216), (355, 66204), (359, 66195), (375, 66135), (378, 66126), (406, 66042), (408, 66036), (437, 65973), (457, 65922), (460, 65907), (466, 65889),

Gene: Dorin_194 Start: 106517, Stop: 107539, Start Num: 113
Candidate Starts for Dorin_194:
(Start: 113 @106517 has 18 MA's), (164, 106646), (187, 106697), (227, 106805), (254, 106910), (255, 106916), (276, 106979), (278, 106988), (289, 107033), (295, 107048), (300, 107072), (305, 107087), (328, 107162), (340, 107207), (445, 107507), (456, 107531),

Gene: DrLupo_57 Start: 40796, Stop: 42391, Start Num: 16
Candidate Starts for DrLupo_57:
(Start: 16 @40796 has 1 MA's), (21, 40838), (31, 40904), (47, 40943), (53, 40955), (83, 41015), (87, 41021), (89, 41024), (100, 41045), (Start: 105 @41060 has 1 MA's), (161, 41219), (168, 41246), (170, 41252), (173, 41261), (178, 41270), (191, 41309), (197, 41327), (224, 41429), (226, 41438), (249, 41543), (255, 41573), (299, 41717), (302, 41729), (324, 41804), (327, 41813), (354, 41915), (357, 41924), (385, 42038), (418, 42140), (420, 42152), (422, 42161), (430, 42176), (462, 42266), (471,

42314), (472, 42320), (474, 42326),

Gene: Dropshot_50 Start: 30656, Stop: 31708, Start Num: 82
Candidate Starts for Dropshot_50:
(Start: 82 @30656 has 16 MA's), (Start: 105 @30698 has 1 MA's), (150, 30794), (167, 30842), (217, 30932), (257, 31091), (259, 31097), (263, 31112), (289, 31193), (340, 31367), (371, 31475), (414, 31595), (431, 31637), (455, 31697),

Gene: Dulcita_146 Start: 74500, Stop: 73331, Start Num: 76
Candidate Starts for Dulcita_146:
(39, 74581), (44, 74569), (Start: 76 @74500 has 6 MA's), (88, 74479), (Start: 122 @74404 has 14 MA's), (151, 74299), (158, 74290), (175, 74254), (199, 74200), (210, 74167), (220, 74137), (236, 74053), (260, 73957), (281, 73900), (294, 73858), (298, 73840), (313, 73777), (317, 73768), (320, 73756), (321, 73753), (335, 73702), (350, 73642), (388, 73543), (391, 73534), (403, 73498), (418, 73459), (425, 73432), (453, 73363), (456, 73354),

Gene: DunneganBoMo_164 Start: 112270, Stop: 113247, Start Num: 114
Candidate Starts for DunneganBoMo_164:
(Start: 114 @112270 has 161 MA's), (130, 112312), (179, 112438), (236, 112573), (255, 112654), (278, 112717), (300, 112801), (328, 112891), (340, 112936), (375, 113035), (400, 113110),

Gene: EGole_256 Start: 127107, Stop: 125947, Start Num: 45
Candidate Starts for EGole_256:
(Start: 45 @127107 has 4 MA's), (Start: 67 @127053 has 4 MA's), (79, 127035), (Start: 116 @126960 has 134 MA's), (156, 126849), (167, 126816), (178, 126789), (187, 126780), (193, 126759), (202, 126744), (227, 126693), (253, 126582), (254, 126579), (272, 126528), (296, 126447), (306, 126408), (312, 126390), (321, 126360), (338, 126297), (342, 126279), (367, 126201), (375, 126168), (396, 126108), (409, 126060),

Gene: EGole_2 Start: 2795, Stop: 1635, Start Num: 45
Candidate Starts for EGole_2:
(Start: 45 @2795 has 4 MA's), (Start: 67 @2741 has 4 MA's), (79, 2723), (Start: 116 @2648 has 134 MA's), (156, 2537), (167, 2504), (178, 2477), (187, 2468), (193, 2447), (202, 2432), (227, 2381), (253, 2270), (254, 2267), (272, 2216), (296, 2135), (306, 2096), (312, 2078), (321, 2048), (338, 1985), (342, 1967), (367, 1889), (375, 1856), (396, 1796), (409, 1748),

Gene: Eaglehorse_86 Start: 64784, Stop: 63714, Start Num: 114
Candidate Starts for Eaglehorse_86:
(Start: 114 @64784 has 161 MA's), (Start: 128 @64754 has 1 MA's), (150, 64688), (153, 64679), (164, 64655), (171, 64631), (182, 64607), (257, 64352), (259, 64346), (260, 64334), (272, 64301), (279, 64280), (295, 64223), (296, 64220), (307, 64181), (310, 64172), (319, 64142), (323, 64127), (335, 64085), (340, 64064), (348, 64034), (355, 64013), (374, 63947), (375, 63944), (384, 63917), (387, 63911), (414, 63836), (421, 63800),

Gene: EarickHC_59 Start: 37213, Stop: 38208, Start Num: 133
Candidate Starts for EarickHC_59:
(Start: 133 @37213 has 42 MA's), (182, 37333), (187, 37342), (190, 37354), (202, 37387), (204, 37393), (208, 37411), (234, 37522), (255, 37603), (281, 37681), (284, 37693), (321, 37816), (329, 37846), (385, 38017), (393, 38038), (402, 38068), (415, 38101), (434, 38149),

Gene: EastView9101_90 Start: 67134, Stop: 66061, Start Num: 114
Candidate Starts for EastView9101_90:

(35, 67287), (Start: 114 @67134 has 161 MA's), (150, 67038), (164, 67005), (188, 66963), (220, 66882), (257, 66732), (259, 66726), (279, 66660), (312, 66546), (323, 66507), (334, 66468), (338, 66453), (348, 66417), (351, 66408), (355, 66396), (359, 66387), (375, 66327), (378, 66318), (406, 66234), (408, 66228), (437, 66165), (460, 66099), (466, 66081),

Gene: EastWest_82 Start: 49764, Stop: 48769, Start Num: 121
Candidate Starts for EastWest_82:
(Start: 121 @49764 has 22 MA's), (157, 49671), (189, 49608), (196, 49590), (204, 49575), (251, 49410), (257, 49380), (260, 49362), (289, 49278), (301, 49236), (302, 49233), (312, 49206), (355, 49053), (365, 49020), (429, 48837),

Gene: Eliot67_3 Start: 2567, Stop: 1404, Start Num: 43
Candidate Starts for Eliot67_3:
(43, 2567), (57, 2531), (Start: 67 @2510 has 4 MA's), (79, 2492), (Start: 116 @2417 has 134 MA's), (145, 2336), (156, 2306), (178, 2246), (193, 2216), (202, 2201), (203, 2198), (227, 2150), (253, 2039), (272, 1985), (284, 1940), (296, 1904), (306, 1865), (312, 1847), (321, 1817), (367, 1658), (375, 1625), (396, 1565), (409, 1517), (420, 1499), (435, 1460),

Gene: Eliot67_254 Start: 123381, Stop: 122218, Start Num: 43
Candidate Starts for Eliot67_254:
(43, 123381), (57, 123345), (Start: 67 @123324 has 4 MA's), (79, 123306), (Start: 116 @123231 has 134 MA's), (145, 123150), (156, 123120), (178, 123060), (193, 123030), (202, 123015), (203, 123012), (227, 122964), (253, 122853), (272, 122799), (284, 122754), (296, 122718), (306, 122679), (312, 122661), (321, 122631), (367, 122472), (375, 122439), (396, 122379), (409, 122331), (420, 122313), (435, 122274),

Gene: Ellewin_164 Start: 112375, Stop: 113352, Start Num: 114
Candidate Starts for Ellewin_164:
(Start: 114 @112375 has 161 MA's), (130, 112417), (179, 112543), (236, 112678), (255, 112759), (278, 112822), (300, 112906), (328, 112996), (340, 113041), (375, 113140), (400, 113215),

Gene: Elmer_3 Start: 2485, Stop: 1490, Start Num: 116
Candidate Starts for Elmer_3:
(Start: 42 @2632 has 7 MA's), (58, 2593), (Start: 62 @2581 has 1 MA's), (Start: 76 @2560 has 6 MA's), (Start: 85 @2542 has 17 MA's), (Start: 116 @2485 has 134 MA's), (156, 2374), (199, 2296), (203, 2287), (227, 2239), (229, 2221), (230, 2218), (272, 2074), (276, 2065), (296, 1993), (306, 1954), (312, 1936), (321, 1906), (338, 1843), (354, 1786), (375, 1711), (396, 1651), (400, 1630), (409, 1603), (420, 1585), (449, 1510), (453, 1501),

Gene: Elmer_270 Start: 124853, Stop: 123858, Start Num: 116
Candidate Starts for Elmer_270:
(Start: 42 @125000 has 7 MA's), (58, 124961), (Start: 62 @124949 has 1 MA's), (Start: 76 @124928 has 6 MA's), (Start: 85 @124910 has 17 MA's), (Start: 116 @124853 has 134 MA's), (156, 124742), (199, 124664), (203, 124655), (227, 124607), (229, 124589), (230, 124586), (272, 124442), (276, 124433), (296, 124361), (306, 124322), (312, 124304), (321, 124274), (338, 124211), (354, 124154), (375, 124079), (396, 124019), (400, 123998), (409, 123971), (420, 123953), (449, 123878), (453, 123869),

Gene: Emma1919_221 Start: 106800, Stop: 107822, Start Num: 113
Candidate Starts for Emma1919_221:
(Start: 113 @106800 has 18 MA's), (Start: 128 @106830 has 1 MA's), (156, 106911), (164, 106929), (187, 106971), (192, 106989), (203, 107007), (258, 107187), (278, 107250), (285, 107283), (289, 107295), (291, 107298), (295, 107310), (316, 107385), (338, 107460), (343, 107484), (344, 107490),

(353, 107514), (371, 107577), (449, 107799), (456, 107814),

Gene: Emmetator_167 Start: 112586, Stop: 113563, Start Num: 114
Candidate Starts for Emmetator_167:
(Start: 114 @112586 has 161 MA's), (130, 112628), (179, 112754), (236, 112889), (255, 112970), (278, 113033), (300, 113117), (328, 113207), (340, 113252), (375, 113351), (400, 113426),

Gene: Enygma_2 Start: 2171, Stop: 1176, Start Num: 116
Candidate Starts for Enygma_2:
(Start: 42 @2315 has 7 MA's), (58, 2276), (65, 2261), (Start: 74 @2246 has 2 MA's), (Start: 85 @2228 has 17 MA's), (Start: 116 @2171 has 134 MA's), (156, 2060), (199, 1982), (203, 1973), (264, 1775), (276, 1751), (279, 1739), (285, 1709), (296, 1679), (306, 1640), (312, 1622), (321, 1592), (338, 1529), (375, 1397), (396, 1337), (409, 1289), (435, 1232), (449, 1196),

Gene: Enygma_270 Start: 124595, Stop: 123600, Start Num: 116
Candidate Starts for Enygma_270:
(Start: 42 @124739 has 7 MA's), (58, 124700), (65, 124685), (Start: 74 @124670 has 2 MA's), (Start: 85 @124652 has 17 MA's), (Start: 116 @124595 has 134 MA's), (156, 124484), (199, 124406), (203, 124397), (264, 124199), (276, 124175), (279, 124163), (285, 124133), (296, 124103), (306, 124064), (312, 124046), (321, 124016), (338, 123953), (375, 123821), (396, 123761), (409, 123713), (435, 123656), (449, 123620),

Gene: Epah_91 Start: 67837, Stop: 66791, Start Num: 114
Candidate Starts for Epah_91:
(Start: 114 @67837 has 161 MA's), (131, 67783), (136, 67765), (150, 67723), (164, 67690), (167, 67675), (171, 67666), (187, 67648), (204, 67609), (207, 67594), (226, 67546), (240, 67483), (257, 67414), (259, 67408), (260, 67396), (293, 67288), (296, 67279), (300, 67258), (323, 67186), (343, 67108), (346, 67099), (348, 67093), (351, 67084), (359, 67063), (374, 67006), (384, 66976), (400, 66934), (414, 66904), (433, 66850), (439, 66829), (454, 66796),

Gene: Estes_161 Start: 77859, Stop: 76786, Start Num: 122
Candidate Starts for Estes_161:
(Start: 86 @77931 has 1 MA's), (102, 77904), (Start: 122 @77859 has 14 MA's), (141, 77784), (158, 77745), (172, 77715), (199, 77655), (220, 77592), (225, 77568), (236, 77508), (260, 77412), (278, 77370), (298, 77295), (313, 77232), (317, 77223), (319, 77214), (323, 77199), (335, 77157), (340, 77136), (343, 77121), (350, 77097), (351, 77094), (391, 76989), (402, 76956), (407, 76944), (418, 76914), (425, 76887), (453, 76818), (456, 76809), (458, 76800),

Gene: EugeneKrabs_18 Start: 13122, Stop: 12133, Start Num: 127
Candidate Starts for EugeneKrabs_18:
(Start: 127 @13122 has 37 MA's), (132, 13092), (138, 13071), (140, 13059), (220, 12909), (229, 12855), (235, 12831), (240, 12816), (282, 12660), (293, 12627), (383, 12327), (415, 12240), (427, 12198), (436, 12180),

Gene: Evaa_80 Start: 59121, Stop: 58117, Start Num: 114
Candidate Starts for Evaa_80:
(Start: 114 @59121 has 161 MA's), (129, 59088), (150, 59025), (164, 58992), (171, 58968), (173, 58959), (204, 58929), (208, 58911), (209, 58908), (217, 58893), (226, 58866), (257, 58734), (259, 58728), (266, 58698), (295, 58602), (300, 58578), (310, 58551), (341, 58440), (343, 58428), (352, 58401), (405, 58233), (406, 58230),

Gene: Evy_2 Start: 2329, Stop: 1316, Start Num: 116
Candidate Starts for Evy_2:

(Start: 45 @2467 has 4 MA's), (Start: 67 @2422 has 4 MA's), (79, 2404), (110, 2341), (Start: 116 @2329 has 134 MA's), (145, 2248), (156, 2218), (167, 2185), (186, 2152), (193, 2128), (202, 2113), (227, 2062), (272, 1897), (296, 1816), (306, 1777), (312, 1759), (321, 1729), (338, 1666), (342, 1648), (367, 1570), (375, 1537), (409, 1429), (420, 1411), (435, 1372),

Gene: Evy_240 Start: 124058, Stop: 123045, Start Num: 116
Candidate Starts for Evy_240:
(Start: 45 @124196 has 4 MA's), (Start: 67 @124151 has 4 MA's), (79, 124133), (110, 124070), (Start: 116 @124058 has 134 MA's), (145, 123977), (156, 123947), (167, 123914), (186, 123881), (193, 123857), (202, 123842), (227, 123791), (272, 123626), (296, 123545), (306, 123506), (312, 123488), (321, 123458), (338, 123395), (342, 123377), (367, 123299), (375, 123266), (409, 123158), (420, 123140), (435, 123101),

Gene: Fanaw_87 Start: 68504, Stop: 67437, Start Num: 114
Candidate Starts for Fanaw_87:
(Start: 114 @68504 has 161 MA's), (150, 68390), (152, 68384), (164, 68357), (167, 68342), (171, 68333), (187, 68315), (189, 68309), (204, 68267), (208, 68249), (226, 68204), (240, 68141), (257, 68072), (260, 68054), (266, 68036), (272, 68018), (293, 67946), (296, 67937), (300, 67916), (336, 67799), (338, 67790), (343, 67766), (346, 67757), (351, 67742), (359, 67721), (374, 67664), (384, 67634), (398, 67604), (400, 67592), (405, 67571), (433, 67496), (439, 67475), (451, 67448), (454, 67442),

Gene: Faust_215 Start: 108762, Stop: 109772, Start Num: 113
Candidate Starts for Faust_215:
(Start: 113 @108762 has 18 MA's), (Start: 128 @108792 has 1 MA's), (145, 108843), (156, 108873), (169, 108912), (208, 108981), (299, 109278), (325, 109362), (338, 109410), (343, 109434), (344, 109440), (369, 109518), (377, 109545), (432, 109704), (444, 109737), (445, 109740), (450, 109752),

Gene: Faze9_84 Start: 64921, Stop: 63851, Start Num: 114
Candidate Starts for Faze9_84:
(Start: 114 @64921 has 161 MA's), (Start: 128 @64891 has 1 MA's), (150, 64825), (153, 64816), (164, 64792), (171, 64768), (182, 64744), (257, 64489), (259, 64483), (260, 64471), (272, 64438), (279, 64417), (295, 64360), (296, 64357), (307, 64318), (310, 64309), (319, 64279), (323, 64264), (328, 64246), (335, 64222), (340, 64201), (348, 64171), (355, 64150), (374, 64084), (375, 64081), (384, 64054), (387, 64048), (414, 63973), (421, 63937),

Gene: FeliMaine_100 Start: 57997, Stop: 56927, Start Num: 111
Candidate Starts for FeliMaine_100:
(Start: 86 @58051 has 1 MA's), (93, 58042), (Start: 111 @57997 has 34 MA's), (120, 57982), (130, 57949), (159, 57856), (175, 57823), (184, 57799), (198, 57766), (199, 57763), (200, 57760), (206, 57745), (210, 57733), (219, 57706), (236, 57619), (240, 57607), (250, 57574), (255, 57547), (257, 57541), (260, 57523), (278, 57481), (281, 57466), (292, 57430), (296, 57418), (314, 57340), (318, 57334), (326, 57307), (332, 57286), (351, 57211), (383, 57136), (392, 57115), (395, 57112), (453, 56944), (454, 56941),

Gene: FelixTres_80 Start: 59260, Stop: 58241, Start Num: 114
Candidate Starts for FelixTres_80:
(Start: 33 @59416 has 1 MA's), (Start: 69 @59338 has 1 MA's), (91, 59302), (Start: 114 @59260 has 161 MA's), (150, 59164), (164, 59131), (171, 59107), (173, 59098), (191, 59074), (204, 59056), (209, 59035), (251, 58888), (255, 58864), (257, 58858), (260, 58840), (279, 58786), (286, 58750), (300, 58705), (316, 58654), (348, 58540), (375, 58450), (384, 58423), (387, 58417), (431, 58306),

Gene: Fireman_61 Start: 39216, Stop: 40211, Start Num: 133

Candidate Starts for Fireman_61:
(Start: 133 @39216 has 42 MA's), (182, 39336), (187, 39345), (190, 39357), (202, 39390), (204, 39396), (208, 39414), (224, 39471), (234, 39525), (255, 39606), (270, 39648), (281, 39684), (284, 39696), (296, 39732), (321, 39819), (343, 39909), (385, 40020), (393, 40041), (407, 40083), (415, 40104), (434, 40152),

Gene: FloraSnap32_170 Start: 114366, Stop: 115340, Start Num: 114
Candidate Starts for FloraSnap32_170:
(Start: 114 @114366 has 161 MA's), (130, 114408), (149, 114465), (246, 114702), (255, 114747), (278, 114810), (321, 114957), (328, 114984), (375, 115128), (384, 115155), (386, 115161), (439, 115299),

Gene: ForDig_92 Start: 68734, Stop: 67697, Start Num: 114
Candidate Starts for ForDig_92:
(70, 68815), (Start: 114 @68734 has 161 MA's), (Start: 128 @68704 has 1 MA's), (136, 68662), (150, 68620), (164, 68587), (173, 68554), (200, 68524), (226, 68461), (257, 68329), (259, 68323), (260, 68311), (293, 68203), (296, 68194), (300, 68173), (309, 68149), (310, 68146), (323, 68101), (343, 68023), (384, 67891), (405, 67828), (433, 67756),

Gene: Forrest_221 Start: 107765, Stop: 108787, Start Num: 113
Candidate Starts for Forrest_221:
(Start: 113 @107765 has 18 MA's), (Start: 128 @107795 has 1 MA's), (156, 107876), (164, 107894), (187, 107936), (192, 107954), (203, 107972), (258, 108152), (278, 108215), (285, 108248), (289, 108260), (291, 108263), (295, 108275), (316, 108350), (338, 108425), (343, 108449), (353, 108479), (371, 108542), (449, 108764), (456, 108779),

Gene: Fortunato_89 Start: 68261, Stop: 67203, Start Num: 114
Candidate Starts for Fortunato_89:
(Start: 114 @68261 has 161 MA's), (131, 68207), (150, 68147), (152, 68141), (164, 68114), (167, 68099), (171, 68090), (187, 68072), (204, 68033), (208, 68015), (226, 67970), (240, 67907), (257, 67838), (260, 67820), (266, 67802), (272, 67784), (293, 67712), (296, 67703), (300, 67682), (336, 67565), (338, 67556), (343, 67532), (346, 67523), (351, 67508), (359, 67487), (374, 67430), (384, 67400), (398, 67370), (400, 67358), (405, 67337), (433, 67262), (439, 67241), (451, 67214), (454, 67208),

Gene: Fowlmouth_54 Start: 38133, Stop: 39266, Start Num: 72
Candidate Starts for Fowlmouth_54:
(Start: 72 @38133 has 13 MA's), (95, 38172), (106, 38199), (125, 38241), (Start: 133 @38283 has 42 MA's), (143, 38319), (148, 38334), (183, 38397), (218, 38475), (234, 38526), (240, 38547), (252, 38595), (257, 38613), (259, 38619), (270, 38652), (274, 38661), (296, 38736), (300, 38757), (302, 38763), (317, 38820), (336, 38889), (338, 38898), (343, 38922), (355, 38961), (357, 38967), (372, 39006), (381, 39036), (391, 39063), (394, 39066), (397, 39075), (401, 39090), (422, 39153), (427, 39165), (433, 39174), (447, 39216), (458, 39249),

Gene: Francesca_196 Start: 107439, Stop: 108461, Start Num: 113
Candidate Starts for Francesca_196:
(Start: 113 @107439 has 18 MA's), (164, 107568), (178, 107610), (187, 107619), (227, 107727), (254, 107832), (255, 107838), (260, 107862), (276, 107901), (278, 107910), (289, 107955), (295, 107970), (300, 107994), (305, 108009), (328, 108084), (340, 108129), (445, 108429),

Gene: Francob_223 Start: 107816, Stop: 108835, Start Num: 112
Candidate Starts for Francob_223:

(Start: 112 @107816 has 9 MA's), (Start: 128 @107843 has 1 MA's), (156, 107924), (164, 107942), (187, 107984), (192, 108002), (203, 108020), (217, 108053), (258, 108200), (278, 108263), (280, 108269), (285, 108296), (286, 108302), (289, 108308), (291, 108311), (295, 108323), (316, 108398), (338, 108473), (343, 108497), (353, 108527), (371, 108590), (449, 108809),

Gene: Franzy_71 Start: 49640, Stop: 48591, Start Num: 101
Candidate Starts for Franzy_71:
(Start: 101 @49640 has 2 MA's), (Start: 121 @49595 has 22 MA's), (197, 49415), (204, 49397), (220, 49352), (224, 49343), (228, 49316), (251, 49232), (255, 49208), (257, 49202), (260, 49184), (302, 49055), (340, 48926), (343, 48911), (410, 48704), (429, 48659), (450, 48605),

Gene: FreakyGoo_148 Start: 75645, Stop: 74572, Start Num: 122
Candidate Starts for FreakyGoo_148:
(39, 75822), (44, 75810), (Start: 76 @75741 has 6 MA's), (88, 75720), (Start: 122 @75645 has 14 MA's), (151, 75540), (158, 75531), (175, 75495), (199, 75441), (210, 75408), (220, 75378), (236, 75294), (260, 75198), (281, 75141), (294, 75099), (298, 75081), (313, 75018), (317, 75009), (320, 74997), (321, 74994), (335, 74943), (350, 74883), (388, 74784), (391, 74775), (403, 74739), (418, 74700), (453, 74604), (456, 74595),

Gene: FreddyDRoo_3 Start: 2417, Stop: 1404, Start Num: 116
Candidate Starts for FreddyDRoo_3:
(43, 2567), (57, 2531), (Start: 67 @2510 has 4 MA's), (79, 2492), (Start: 116 @2417 has 134 MA's), (145, 2336), (156, 2306), (178, 2246), (193, 2216), (202, 2201), (203, 2198), (227, 2150), (253, 2039), (272, 1985), (284, 1940), (296, 1904), (306, 1865), (312, 1847), (321, 1817), (367, 1658), (375, 1625), (396, 1565), (409, 1517), (420, 1499), (435, 1460),

Gene: FreddyDRoo_253 Start: 123231, Stop: 122218, Start Num: 116
Candidate Starts for FreddyDRoo_253:
(43, 123381), (57, 123345), (Start: 67 @123324 has 4 MA's), (79, 123306), (Start: 116 @123231 has 134 MA's), (145, 123150), (156, 123120), (178, 123060), (193, 123030), (202, 123015), (203, 123012), (227, 122964), (253, 122853), (272, 122799), (284, 122754), (296, 122718), (306, 122679), (312, 122661), (321, 122631), (367, 122472), (375, 122439), (396, 122379), (409, 122331), (420, 122313), (435, 122274),

Gene: Frederick_93 Start: 68766, Stop: 67708, Start Num: 114
Candidate Starts for Frederick_93:
(Start: 114 @68766 has 161 MA's), (131, 68712), (136, 68694), (150, 68652), (152, 68646), (164, 68619), (167, 68604), (171, 68595), (187, 68577), (204, 68538), (208, 68520), (226, 68475), (240, 68412), (257, 68343), (260, 68325), (266, 68307), (272, 68289), (293, 68217), (296, 68208), (300, 68187), (336, 68070), (338, 68061), (343, 68037), (346, 68028), (351, 68013), (359, 67992), (374, 67935), (384, 67905), (398, 67875), (400, 67863), (405, 67842), (433, 67767), (439, 67746), (454, 67713),

Gene: FrenchFry_86 Start: 64908, Stop: 63838, Start Num: 114
Candidate Starts for FrenchFry_86:
(Start: 114 @64908 has 161 MA's), (Start: 128 @64878 has 1 MA's), (150, 64812), (153, 64803), (164, 64779), (171, 64755), (182, 64731), (257, 64476), (259, 64470), (260, 64458), (272, 64425), (279, 64404), (295, 64347), (296, 64344), (307, 64305), (310, 64296), (319, 64266), (323, 64251), (328, 64233), (335, 64209), (340, 64188), (348, 64158), (355, 64137), (374, 64071), (375, 64068), (384, 64041), (387, 64035), (414, 63960), (421, 63924),

Gene: Fresco_80 Start: 59322, Stop: 58315, Start Num: 114
Candidate Starts for Fresco_80:

(Start: 114 @59322 has 161 MA's), (150, 59226), (164, 59193), (167, 59178), (194, 59127), (207, 59112), (255, 58938), (257, 58932), (260, 58914), (279, 58860), (289, 58818), (293, 58809), (300, 58779), (316, 58728), (369, 58545), (374, 58527), (375, 58524), (387, 58491), (400, 58455), (449, 58332),

Gene: FrostedClock_176 Start: 116616, Stop: 117590, Start Num: 114
Candidate Starts for FrostedClock_176:
(Start: 114 @116616 has 161 MA's), (130, 116658), (255, 116997), (278, 117060), (287, 117102), (304, 117156), (328, 117234), (375, 117378), (384, 117405), (386, 117411), (439, 117549),

Gene: Fryberger_80 Start: 42863, Stop: 41793, Start Num: 111
Candidate Starts for Fryberger_80:
(93, 42908), (Start: 105 @42878 has 1 MA's), (Start: 111 @42863 has 34 MA's), (Start: 123 @42839 has 1 MA's), (130, 42815), (147, 42743), (151, 42731), (172, 42692), (184, 42668), (205, 42617), (234, 42494), (259, 42401), (274, 42359), (278, 42347), (281, 42332), (296, 42284), (328, 42167), (343, 42110), (351, 42083), (377, 42023), (427, 41873), (437, 41849), (441, 41834), (445, 41825), (448, 41819),

Gene: Fullmetal_18 Start: 12570, Stop: 11566, Start Num: 127
Candidate Starts for Fullmetal_18:
(Start: 127 @12570 has 37 MA's), (174, 12441), (220, 12345), (233, 12276), (235, 12267), (254, 12192), (296, 12054), (321, 11961), (340, 11889), (343, 11874), (347, 11859), (351, 11847), (357, 11829), (375, 11784), (420, 11652), (436, 11613), (451, 11571),

Gene: Funsized_89 Start: 69514, Stop: 68426, Start Num: 114
Candidate Starts for Funsized_89:
(Start: 86 @69568 has 1 MA's), (Start: 114 @69514 has 161 MA's), (150, 69418), (164, 69385), (173, 69352), (191, 69304), (193, 69298), (195, 69292), (199, 69280), (204, 69268), (227, 69202), (237, 69151), (257, 69073), (259, 69067), (264, 69049), (279, 69001), (296, 68941), (307, 68902), (310, 68893), (312, 68887), (316, 68869), (334, 68809), (338, 68794), (348, 68755), (355, 68734), (371, 68677), (375, 68665), (377, 68659), (378, 68656), (402, 68584), (406, 68572),

Gene: Gadjet_96 Start: 66316, Stop: 65114, Start Num: 42
Candidate Starts for Gadjet_96:
(30, 66346), (Start: 42 @66316 has 7 MA's), (Start: 85 @66226 has 17 MA's), (Start: 114 @66172 has 161 MA's), (Start: 128 @66142 has 1 MA's), (150, 66058), (164, 66025), (200, 65953), (226, 65881), (244, 65800), (255, 65755), (257, 65749), (259, 65743), (260, 65731), (272, 65695), (300, 65593), (307, 65575), (321, 65530), (340, 65458), (343, 65443), (352, 65416), (355, 65407), (370, 65350), (400, 65266), (406, 65242), (419, 65212),

Gene: Ganandorf_57 Start: 37323, Stop: 38318, Start Num: 133
Candidate Starts for Ganandorf_57:
(Start: 133 @37323 has 42 MA's), (182, 37443), (187, 37452), (190, 37464), (202, 37497), (204, 37503), (208, 37521), (234, 37632), (255, 37713), (281, 37791), (284, 37803), (321, 37926), (329, 37956), (385, 38127), (393, 38148), (402, 38178), (415, 38211), (434, 38259),

Gene: GardenSalsa_164 Start: 78536, Stop: 77463, Start Num: 122
Candidate Starts for GardenSalsa_164:
(Start: 122 @78536 has 14 MA's), (158, 78422), (172, 78392), (199, 78332), (220, 78269), (225, 78245), (236, 78185), (260, 78089), (278, 78047), (298, 77972), (313, 77909), (317, 77900), (319, 77891), (323, 77876), (335, 77834), (340, 77813), (343, 77798), (350, 77774), (351, 77771), (391, 77666), (402, 77633), (407, 77621), (418, 77591), (425, 77564), (453, 77495), (456, 77486), (458, 77477),

Gene: Gattaca_99 Start: 57986, Stop: 56916, Start Num: 111
Candidate Starts for Gattaca_99:
(Start: 76 @58058 has 6 MA's), (Start: 78 @58055 has 1 MA's), (Start: 82 @58049 has 16 MA's), (Start: 111 @57986 has 34 MA's), (120, 57971), (130, 57938), (159, 57845), (175, 57812), (184, 57788), (198, 57755), (199, 57752), (200, 57749), (206, 57734), (210, 57722), (219, 57695), (236, 57608), (240, 57596), (250, 57563), (255, 57536), (257, 57530), (260, 57512), (278, 57470), (281, 57455), (292, 57419), (296, 57407), (314, 57329), (318, 57323), (326, 57296), (332, 57275), (351, 57200), (383, 57125), (392, 57104), (395, 57101), (453, 56933), (454, 56930),

Gene: Genie2_259 Start: 121529, Stop: 120528, Start Num: 116
Candidate Starts for Genie2_259:
(Start: 82 @121595 has 16 MA's), (Start: 85 @121586 has 17 MA's), (Start: 116 @121529 has 134 MA's), (156, 121418), (203, 121331), (260, 121139), (272, 121118), (276, 121109), (285, 121067), (296, 121037), (306, 120998), (312, 120980), (321, 120950), (338, 120887), (375, 120755), (396, 120695), (409, 120647), (420, 120629), (435, 120590),

Gene: Genie2_4 Start: 2628, Stop: 1627, Start Num: 116
Candidate Starts for Genie2_4:
(Start: 82 @2694 has 16 MA's), (Start: 85 @2685 has 17 MA's), (Start: 116 @2628 has 134 MA's), (156, 2517), (203, 2430), (260, 2238), (272, 2217), (276, 2208), (285, 2166), (296, 2136), (306, 2097), (312, 2079), (321, 2049), (338, 1986), (375, 1854), (396, 1794), (409, 1746), (420, 1728), (435, 1689),

Gene: Germa_60 Start: 37152, Stop: 38147, Start Num: 133
Candidate Starts for Germa_60:
(Start: 133 @37152 has 42 MA's), (182, 37272), (187, 37281), (190, 37293), (202, 37326), (204, 37332), (208, 37350), (234, 37461), (255, 37542), (281, 37620), (284, 37632), (321, 37755), (329, 37785), (385, 37956), (393, 37977), (402, 38007), (415, 38040), (434, 38088),

Gene: Gervas_98 Start: 67363, Stop: 66305, Start Num: 114
Candidate Starts for Gervas_98:
(30, 67537), (Start: 42 @67507 has 7 MA's), (Start: 85 @67417 has 17 MA's), (Start: 114 @67363 has 161 MA's), (Start: 128 @67333 has 1 MA's), (150, 67249), (164, 67216), (200, 67144), (226, 67072), (244, 66991), (255, 66946), (257, 66940), (259, 66934), (260, 66922), (272, 66886), (300, 66784), (307, 66766), (321, 66721), (340, 66649), (343, 66634), (352, 66607), (355, 66598), (370, 66541), (400, 66457), (406, 66433), (419, 66403),

Gene: Gibbi_273 Start: 122322, Stop: 121321, Start Num: 116
Candidate Starts for Gibbi_273:
(Start: 42 @122466 has 7 MA's), (58, 122427), (65, 122412), (Start: 74 @122397 has 2 MA's), (Start: 82 @122388 has 16 MA's), (Start: 85 @122379 has 17 MA's), (Start: 116 @122322 has 134 MA's), (156, 122211), (199, 122133), (260, 121932), (264, 121926), (276, 121902), (279, 121890), (296, 121830), (306, 121791), (312, 121773), (321, 121743), (338, 121680), (375, 121548), (396, 121488), (409, 121440), (435, 121383), (453, 121338),

Gene: Gibbi_2 Start: 2222, Stop: 1221, Start Num: 116
Candidate Starts for Gibbi_2:
(Start: 42 @2366 has 7 MA's), (58, 2327), (65, 2312), (Start: 74 @2297 has 2 MA's), (Start: 82 @2288 has 16 MA's), (Start: 85 @2279 has 17 MA's), (Start: 116 @2222 has 134 MA's), (156, 2111), (199, 2033), (260, 1832), (264, 1826), (276, 1802), (279, 1790), (296, 1730), (306, 1691), (312, 1673), (321, 1643), (338, 1580), (375, 1448), (396, 1388), (409, 1340), (435, 1283), (453, 1238),

Gene: Gibbles_116 Start: 78724, Stop: 77663, Start Num: 111

Candidate Starts for Gibbles_116:
(Start: 111 @78724 has 34 MA's), (Start: 123 @78700 has 1 MA's), (163, 78571), (172, 78553), (217, 78448), (228, 78388), (270, 78238), (305, 78118), (327, 78040), (328, 78034), (339, 77992), (347, 77959), (357, 77929), (385, 77866), (391, 77848), (439, 77707), (444, 77695), (448, 77686),

Gene: Gilson_218 Start: 106326, Stop: 107348, Start Num: 113
Candidate Starts for Gilson_218:
(Start: 113 @106326 has 18 MA's), (Start: 128 @106356 has 1 MA's), (156, 106437), (164, 106455), (187, 106497), (192, 106515), (203, 106533), (258, 106713), (278, 106776), (285, 106809), (289, 106821), (291, 106824), (295, 106836), (316, 106911), (338, 106986), (343, 107010), (344, 107016), (353, 107040), (371, 107103), (449, 107325), (456, 107340),

Gene: Gimesa_62 Start: 44589, Stop: 45785, Start Num: 72
Candidate Starts for Gimesa_62:
(Start: 72 @44589 has 13 MA's), (81, 44604), (Start: 112 @44670 has 9 MA's), (120, 44679), (142, 44760), (148, 44781), (154, 44796), (166, 44823), (192, 44883), (199, 44904), (209, 44937), (234, 45048), (235, 45054), (239, 45066), (251, 45105), (257, 45135), (270, 45174), (294, 45252), (296, 45258), (299, 45273), (336, 45411), (343, 45444), (350, 45468), (385, 45561), (391, 45579), (402, 45612), (434, 45696), (439, 45717), (445, 45732), (453, 45750), (454, 45753), (456, 45759), (458, 45768), (459, 45771),

Gene: GinPorsche_93 Start: 67834, Stop: 66788, Start Num: 114
Candidate Starts for GinPorsche_93:
(Start: 114 @67834 has 161 MA's), (131, 67780), (136, 67762), (150, 67720), (164, 67687), (167, 67672), (171, 67663), (187, 67645), (204, 67606), (207, 67591), (226, 67543), (240, 67480), (257, 67411), (259, 67405), (260, 67393), (293, 67285), (296, 67276), (300, 67255), (323, 67183), (343, 67105), (346, 67096), (348, 67090), (351, 67081), (359, 67060), (374, 67003), (384, 66973), (400, 66931), (414, 66901), (433, 66847), (439, 66826), (454, 66793),

Gene: Gina_61 Start: 37315, Stop: 38310, Start Num: 134
Candidate Starts for Gina_61:
(Start: 134 @37315 has 5 MA's), (138, 37330), (182, 37435), (187, 37444), (190, 37456), (208, 37513), (224, 37570), (234, 37624), (270, 37747), (281, 37783), (284, 37795), (321, 37918), (329, 37948), (343, 38008), (385, 38119), (393, 38140), (407, 38182), (415, 38203),

Gene: Glaske16_148 Start: 75618, Stop: 74449, Start Num: 76
Candidate Starts for Glaske16_148:
(39, 75699), (44, 75687), (Start: 76 @75618 has 6 MA's), (88, 75597), (Start: 122 @75522 has 14 MA's), (151, 75417), (158, 75408), (175, 75372), (199, 75318), (210, 75285), (220, 75255), (236, 75171), (260, 75075), (281, 75018), (294, 74976), (298, 74958), (313, 74895), (317, 74886), (320, 74874), (321, 74871), (335, 74820), (350, 74760), (388, 74661), (391, 74652), (403, 74616), (418, 74577), (425, 74550), (453, 74481), (456, 74472),

Gene: Glass_87 Start: 64915, Stop: 63845, Start Num: 114
Candidate Starts for Glass_87:
(Start: 114 @64915 has 161 MA's), (Start: 128 @64885 has 1 MA's), (150, 64819), (153, 64810), (164, 64786), (171, 64762), (182, 64738), (257, 64483), (259, 64477), (260, 64465), (272, 64432), (279, 64411), (295, 64354), (296, 64351), (307, 64312), (310, 64303), (319, 64273), (323, 64258), (335, 64216), (340, 64195), (348, 64165), (355, 64144), (374, 64078), (375, 64075), (384, 64048), (387, 64042), (414, 63967), (421, 63931),

Gene: GlenHope_98 Start: 66938, Stop: 65880, Start Num: 114
Candidate Starts for GlenHope_98:

(30, 67112), (Start: 42 @67082 has 7 MA's), (Start: 85 @66992 has 17 MA's), (Start: 114 @66938 has 161 MA's), (Start: 128 @66908 has 1 MA's), (150, 66824), (164, 66791), (200, 66719), (223, 66662), (226, 66647), (244, 66566), (255, 66521), (257, 66515), (259, 66509), (260, 66497), (272, 66461), (300, 66359), (307, 66341), (321, 66296), (340, 66224), (343, 66209), (352, 66182), (355, 66173), (370, 66116), (400, 66032), (406, 66008), (419, 65978),

Gene: Glorp_59 Start: 37324, Stop: 38319, Start Num: 133
Candidate Starts for Glorp_59:
(Start: 133 @37324 has 42 MA's), (182, 37444), (187, 37453), (190, 37465), (202, 37498), (204, 37504), (208, 37522), (234, 37633), (255, 37714), (281, 37792), (284, 37804), (321, 37927), (329, 37957), (385, 38128), (393, 38149), (402, 38179), (415, 38212), (434, 38260),

Gene: Glubnar_97 Start: 66854, Stop: 65796, Start Num: 114
Candidate Starts for Glubnar_97:
(30, 67028), (Start: 42 @66998 has 7 MA's), (Start: 85 @66908 has 17 MA's), (Start: 114 @66854 has 161 MA's), (Start: 128 @66824 has 1 MA's), (150, 66740), (164, 66707), (200, 66635), (226, 66563), (244, 66482), (255, 66437), (257, 66431), (259, 66425), (260, 66413), (272, 66377), (300, 66275), (307, 66257), (321, 66212), (340, 66140), (343, 66125), (352, 66098), (355, 66089), (370, 66032), (400, 65948), (406, 65924), (419, 65894),

Gene: Godines_85 Start: 64821, Stop: 63751, Start Num: 114
Candidate Starts for Godines_85:
(28, 65016), (Start: 114 @64821 has 161 MA's), (Start: 128 @64791 has 1 MA's), (150, 64725), (153, 64716), (164, 64692), (171, 64668), (182, 64644), (257, 64389), (259, 64383), (260, 64371), (272, 64338), (279, 64317), (295, 64260), (296, 64257), (307, 64218), (310, 64209), (319, 64179), (323, 64164), (328, 64146), (335, 64122), (340, 64101), (348, 64071), (355, 64050), (374, 63984), (375, 63981), (384, 63954), (387, 63948), (414, 63873), (421, 63837),

Gene: GoldenEssence_162 Start: 109608, Stop: 110582, Start Num: 114
Candidate Starts for GoldenEssence_162:
(Start: 114 @109608 has 161 MA's), (130, 109650), (255, 109989), (278, 110052), (287, 110094), (304, 110148), (328, 110226), (333, 110241), (375, 110370), (384, 110397), (386, 110403), (439, 110541),

Gene: GoongGoong_100 Start: 57792, Stop: 56722, Start Num: 111
Candidate Starts for GoongGoong_100:
(Start: 76 @57864 has 6 MA's), (Start: 78 @57861 has 1 MA's), (Start: 82 @57855 has 16 MA's), (Start: 111 @57792 has 34 MA's), (120, 57777), (130, 57744), (159, 57651), (175, 57618), (184, 57594), (198, 57561), (199, 57558), (200, 57555), (206, 57540), (210, 57528), (219, 57501), (236, 57414), (240, 57402), (250, 57369), (255, 57342), (257, 57336), (260, 57318), (278, 57276), (281, 57261), (292, 57225), (296, 57213), (314, 57135), (318, 57129), (326, 57102), (332, 57081), (351, 57006), (383, 56931), (392, 56910), (395, 56907), (453, 56739), (454, 56736),

Gene: GravityBall_77 Start: 50741, Stop: 49743, Start Num: 121
Candidate Starts for GravityBall_77:
(Start: 117 @50747 has 2 MA's), (Start: 121 @50741 has 22 MA's), (157, 50645), (189, 50582), (196, 50564), (251, 50384), (255, 50360), (257, 50354), (260, 50336), (262, 50333), (286, 50258), (302, 50207), (343, 50063), (355, 50027), (365, 49994), (429, 49811), (449, 49760),

Gene: Grayson_185 Start: 96345, Stop: 97394, Start Num: 113
Candidate Starts for Grayson_185:
(Start: 113 @96345 has 18 MA's), (130, 96384), (140, 96417), (157, 96462), (169, 96498), (202, 96555), (233, 96693), (255, 96774), (257, 96780), (259, 96786), (267, 96819), (299, 96924), (302,

96936), (316, 96981), (321, 96993), (336, 97047), (340, 97065), (375, 97185), (402, 97263), (444, 97359), (453, 97380),

Gene: Grekaycon_77 Start: 50613, Stop: 49618, Start Num: 121
Candidate Starts for Grekaycon_77:
(Start: 121 @50613 has 22 MA's), (157, 50520), (189, 50457), (196, 50439), (251, 50259), (255, 50235), (257, 50229), (260, 50211), (262, 50208), (286, 50133), (302, 50082), (340, 49953), (343, 49938), (355, 49902), (365, 49869), (429, 49686),

Gene: Grumio_1 Start: 1, Stop: 1032, Start Num: 109
Candidate Starts for Grumio_1:
(Start: 109 @1 has 7 MA's), (150, 97), (191, 199), (254, 406), (257, 418), (259, 424), (277, 481), (287, 526), (296, 547), (307, 586), (340, 703), (343, 718), (354, 754), (355, 757),

Gene: Guey18_85 Start: 44196, Stop: 43126, Start Num: 111
Candidate Starts for Guey18_85:
(93, 44241), (Start: 105 @44211 has 1 MA's), (Start: 111 @44196 has 34 MA's), (Start: 123 @44172 has 1 MA's), (130, 44148), (147, 44076), (151, 44064), (172, 44025), (184, 44001), (205, 43950), (234, 43827), (259, 43734), (274, 43692), (278, 43680), (296, 43617), (328, 43500), (340, 43458), (372, 43371), (377, 43356), (427, 43206), (437, 43182), (441, 43167), (445, 43158), (448, 43152),

Gene: Guzman_50 Start: 30912, Stop: 31964, Start Num: 82
Candidate Starts for Guzman_50:
(Start: 82 @30912 has 16 MA's), (Start: 105 @30954 has 1 MA's), (150, 31050), (167, 31098), (217, 31188), (257, 31347), (259, 31353), (263, 31368), (289, 31449), (340, 31623), (371, 31731), (414, 31851), (431, 31893), (455, 31953),

Gene: Halfpint_96 Start: 66683, Stop: 65625, Start Num: 114
Candidate Starts for Halfpint_96:
(30, 66857), (Start: 42 @66827 has 7 MA's), (Start: 85 @66737 has 17 MA's), (Start: 114 @66683 has 161 MA's), (Start: 128 @66653 has 1 MA's), (150, 66569), (164, 66536), (200, 66464), (226, 66392), (244, 66311), (255, 66266), (257, 66260), (259, 66254), (260, 66242), (272, 66206), (300, 66104), (307, 66086), (321, 66041), (340, 65969), (343, 65954), (352, 65927), (355, 65918), (370, 65861), (400, 65777), (406, 65753), (419, 65723),

Gene: Hally898_89 Start: 67674, Stop: 66628, Start Num: 114
Candidate Starts for Hally898_89:
(Start: 114 @67674 has 161 MA's), (131, 67620), (136, 67602), (150, 67560), (164, 67527), (167, 67512), (171, 67503), (187, 67485), (204, 67446), (207, 67431), (226, 67383), (240, 67320), (257, 67251), (259, 67245), (260, 67233), (293, 67125), (296, 67116), (300, 67095), (323, 67023), (343, 66945), (346, 66936), (348, 66930), (351, 66921), (359, 66900), (374, 66843), (384, 66813), (400, 66771), (414, 66741), (433, 66687), (439, 66666), (454, 66633),

Gene: Hangman_92 Start: 69061, Stop: 68003, Start Num: 114
Candidate Starts for Hangman_92:
(Start: 114 @69061 has 161 MA's), (131, 69007), (150, 68947), (152, 68941), (164, 68914), (167, 68899), (171, 68890), (187, 68872), (204, 68833), (208, 68815), (209, 68812), (226, 68770), (240, 68707), (257, 68638), (260, 68620), (266, 68602), (272, 68584), (293, 68512), (296, 68503), (300, 68482), (336, 68365), (338, 68356), (343, 68332), (346, 68323), (351, 68308), (359, 68287), (374, 68230), (384, 68200), (398, 68170), (400, 68158), (405, 68137), (433, 68062), (439, 68041), (451, 68014), (454, 68008),

Gene: HangryHippo_2 Start: 2225, Stop: 1212, Start Num: 116

Candidate Starts for HangryHippo_2:
(Start: 45 @2372 has 4 MA's), (Start: 67 @2318 has 4 MA's), (79, 2300), (Start: 116 @2225 has 134 MA's), (156, 2114), (167, 2081), (178, 2054), (187, 2045), (193, 2024), (202, 2009), (227, 1958), (253, 1847), (272, 1793), (296, 1712), (306, 1673), (312, 1655), (321, 1625), (338, 1562), (362, 1478), (367, 1466), (375, 1433), (396, 1373), (409, 1325), (420, 1307), (435, 1268),

Gene: HangryHippo_250 Start: 123312, Stop: 122299, Start Num: 116
Candidate Starts for HangryHippo_250:
(Start: 45 @123459 has 4 MA's), (Start: 67 @123405 has 4 MA's), (79, 123387), (Start: 116 @123312 has 134 MA's), (156, 123201), (167, 123168), (178, 123141), (187, 123132), (193, 123111), (202, 123096), (227, 123045), (253, 122934), (272, 122880), (296, 122799), (306, 122760), (312, 122742), (321, 122712), (338, 122649), (362, 122565), (367, 122553), (375, 122520), (396, 122460), (409, 122412), (420, 122394), (435, 122355),

Gene: HarveySr_94 Start: 66061, Stop: 64949, Start Num: 85
Candidate Starts for HarveySr_94:
(30, 66181), (Start: 42 @66151 has 7 MA's), (Start: 85 @66061 has 17 MA's), (Start: 114 @66007 has 161 MA's), (Start: 128 @65977 has 1 MA's), (150, 65893), (164, 65860), (200, 65788), (226, 65716), (244, 65635), (255, 65590), (257, 65584), (259, 65578), (260, 65566), (264, 65560), (272, 65530), (300, 65428), (307, 65410), (321, 65365), (340, 65293), (343, 65278), (352, 65251), (355, 65242), (370, 65185), (400, 65101), (406, 65077), (419, 65047),

Gene: Heath_86 Start: 66831, Stop: 65773, Start Num: 114
Candidate Starts for Heath_86:
(Start: 114 @66831 has 161 MA's), (131, 66777), (136, 66759), (150, 66717), (152, 66711), (164, 66684), (167, 66669), (171, 66660), (187, 66642), (204, 66603), (208, 66585), (226, 66540), (240, 66477), (257, 66408), (260, 66390), (266, 66372), (272, 66354), (293, 66282), (296, 66273), (300, 66252), (336, 66135), (338, 66126), (343, 66102), (346, 66093), (351, 66078), (359, 66057), (374, 66000), (384, 65970), (398, 65940), (400, 65928), (405, 65907), (433, 65832), (439, 65811), (454, 65778),

Gene: Heathcliff_97 Start: 66916, Stop: 65804, Start Num: 85
Candidate Starts for Heathcliff_97:
(30, 67036), (Start: 42 @67006 has 7 MA's), (Start: 85 @66916 has 17 MA's), (Start: 114 @66862 has 161 MA's), (Start: 128 @66832 has 1 MA's), (150, 66748), (164, 66715), (200, 66643), (226, 66571), (244, 66490), (255, 66445), (257, 66439), (259, 66433), (260, 66421), (272, 66385), (300, 66283), (307, 66265), (321, 66220), (340, 66148), (343, 66133), (352, 66106), (355, 66097), (370, 66040), (400, 65956), (406, 65932), (419, 65902),

Gene: Hedgerow_85 Start: 64872, Stop: 63802, Start Num: 114
Candidate Starts for Hedgerow_85:
(Start: 114 @64872 has 161 MA's), (Start: 128 @64842 has 1 MA's), (150, 64776), (153, 64767), (164, 64743), (171, 64719), (182, 64695), (257, 64440), (259, 64434), (260, 64422), (272, 64389), (279, 64368), (295, 64311), (296, 64308), (307, 64269), (310, 64260), (319, 64230), (323, 64215), (328, 64197), (335, 64173), (340, 64152), (348, 64122), (355, 64101), (374, 64035), (375, 64032), (384, 64005), (387, 63999), (414, 63924), (421, 63888),

Gene: Hendrix_145 Start: 89503, Stop: 90504, Start Num: 127
Candidate Starts for Hendrix_145:
(Start: 127 @89503 has 37 MA's), (132, 89533), (176, 89635), (207, 89698), (210, 89707), (227, 89761), (246, 89842), (264, 89917), (300, 90040), (356, 90241), (357, 90244), (371, 90274), (383, 90310), (436, 90457),

Gene: Hermeonysus_57 Start: 37219, Stop: 38214, Start Num: 133
Candidate Starts for Hermeonysus_57:
(Start: 133 @37219 has 42 MA's), (182, 37339), (187, 37348), (190, 37360), (202, 37393), (204, 37399), (208, 37417), (234, 37528), (255, 37609), (281, 37687), (284, 37699), (321, 37822), (329, 37852), (385, 38023), (393, 38044), (402, 38074), (415, 38107), (434, 38155),

Gene: Holeinone_85 Start: 64762, Stop: 63692, Start Num: 114
Candidate Starts for Holeinone_85:
(28, 64957), (Start: 114 @64762 has 161 MA's), (Start: 128 @64732 has 1 MA's), (150, 64666), (153, 64657), (164, 64633), (171, 64609), (182, 64585), (217, 64489), (257, 64330), (259, 64324), (260, 64312), (272, 64279), (279, 64258), (295, 64201), (296, 64198), (307, 64159), (310, 64150), (319, 64120), (323, 64105), (328, 64087), (335, 64063), (340, 64042), (348, 64012), (355, 63991), (374, 63925), (375, 63922), (384, 63895), (387, 63889), (414, 63814), (421, 63778),

Gene: Honeyfin_59 Start: 37511, Stop: 38506, Start Num: 133
Candidate Starts for Honeyfin_59:
(Start: 133 @37511 has 42 MA's), (182, 37631), (187, 37640), (190, 37652), (202, 37685), (204, 37691), (208, 37709), (224, 37766), (234, 37820), (255, 37901), (270, 37943), (281, 37979), (284, 37991), (321, 38114), (329, 38144), (385, 38315), (393, 38336), (402, 38366), (415, 38399), (434, 38447),

Gene: Hosp_090 Start: 66775, Stop: 65738, Start Num: 114
Candidate Starts for Hosp_090:
(70, 66856), (Start: 114 @66775 has 161 MA's), (Start: 128 @66745 has 1 MA's), (136, 66703), (150, 66661), (164, 66628), (173, 66595), (191, 66574), (200, 66565), (226, 66502), (257, 66370), (259, 66364), (260, 66352), (293, 66244), (296, 66235), (300, 66214), (310, 66187), (343, 66064), (348, 66049), (384, 65932), (405, 65869), (433, 65797),

Gene: Huphlepuff_102 Start: 57560, Stop: 56490, Start Num: 111
Candidate Starts for Huphlepuff_102:
(Start: 86 @57614 has 1 MA's), (93, 57605), (Start: 111 @57560 has 34 MA's), (120, 57545), (130, 57512), (159, 57419), (175, 57386), (184, 57362), (198, 57329), (199, 57326), (200, 57323), (206, 57308), (210, 57296), (219, 57269), (236, 57182), (240, 57170), (250, 57137), (255, 57110), (257, 57104), (260, 57086), (278, 57044), (281, 57029), (292, 56993), (296, 56981), (314, 56903), (318, 56897), (326, 56870), (332, 56849), (351, 56774), (383, 56699), (392, 56678), (395, 56675), (453, 56507), (454, 56504),

Gene: Hydro_92 Start: 68848, Stop: 67790, Start Num: 114
Candidate Starts for Hydro_92:
(Start: 114 @68848 has 161 MA's), (131, 68794), (150, 68734), (152, 68728), (164, 68701), (167, 68686), (171, 68677), (187, 68659), (204, 68620), (208, 68602), (209, 68599), (226, 68557), (240, 68494), (257, 68425), (260, 68407), (266, 68389), (272, 68371), (293, 68299), (296, 68290), (300, 68269), (336, 68152), (338, 68143), (343, 68119), (346, 68110), (359, 68074), (374, 68017), (384, 67987), (398, 67957), (400, 67945), (405, 67924), (433, 67849), (439, 67828), (454, 67795),

Gene: IPhane7_146 Start: 75346, Stop: 74273, Start Num: 122
Candidate Starts for IPhane7_146:
(39, 75523), (44, 75511), (Start: 76 @75442 has 6 MA's), (88, 75421), (Start: 122 @75346 has 14 MA's), (151, 75241), (158, 75232), (175, 75196), (199, 75142), (210, 75109), (220, 75079), (236, 74995), (260, 74899), (294, 74800), (298, 74782), (313, 74719), (317, 74710), (320, 74698), (321, 74695), (335, 74644), (350, 74584), (388, 74485), (391, 74476), (403, 74440), (418, 74401), (453, 74305), (456, 74296),

Gene: IchabodCrane_2 Start: 2214, Stop: 1219, Start Num: 116
Candidate Starts for IchabodCrane_2:
(Start: 96 @2259 has 21 MA's), (Start: 116 @2214 has 134 MA's), (156, 2103), (167, 2070), (187, 2037), (199, 2025), (203, 2016), (227, 1968), (229, 1950), (230, 1947), (272, 1803), (276, 1794), (285, 1752), (296, 1722), (306, 1683), (312, 1665), (321, 1635), (338, 1572), (375, 1440), (396, 1380), (409, 1332), (435, 1275), (449, 1239),

Gene: IchabodCrane_255 Start: 120757, Stop: 119762, Start Num: 116
Candidate Starts for IchabodCrane_255:
(Start: 96 @120802 has 21 MA's), (Start: 116 @120757 has 134 MA's), (156, 120646), (167, 120613), (187, 120580), (199, 120568), (203, 120559), (227, 120511), (229, 120493), (230, 120490), (272, 120346), (276, 120337), (285, 120295), (296, 120265), (306, 120226), (312, 120208), (321, 120178), (338, 120115), (375, 119983), (396, 119923), (409, 119875), (435, 119818), (449, 119782),

Gene: Indlovu_89 Start: 68368, Stop: 67307, Start Num: 114
Candidate Starts for Indlovu_89:
(Start: 114 @68368 has 161 MA's), (150, 68242), (152, 68236), (164, 68209), (173, 68176), (187, 68167), (201, 68137), (257, 67936), (259, 67930), (260, 67918), (264, 67912), (279, 67864), (295, 67807), (300, 67783), (310, 67756), (312, 67750), (321, 67720), (323, 67711), (327, 67699), (349, 67615), (374, 67531), (375, 67528), (433, 67366), (439, 67345), (450, 67321), (451, 67318),

Gene: Indlulamithi_50 Start: 39104, Stop: 40291, Start Num: 69
Candidate Starts for Indlulamithi_50:
(34, 39026), (65, 39098), (Start: 69 @39104 has 1 MA's), (81, 39119), (84, 39128), (125, 39212), (Start: 133 @39254 has 42 MA's), (183, 39371), (214, 39443), (234, 39503), (235, 39509), (239, 39521), (257, 39590), (260, 39608), (270, 39629), (278, 39650), (295, 39710), (323, 39821), (327, 39833), (335, 39863), (343, 39899), (350, 39923), (381, 40010), (422, 40130), (443, 40184), (446, 40190), (463, 40241), (464, 40244), (468, 40262), (470, 40277),

Gene: ItsyBitsy1_82 Start: 64989, Stop: 63919, Start Num: 114
Candidate Starts for ItsyBitsy1_82:
(28, 65184), (Start: 114 @64989 has 161 MA's), (Start: 128 @64959 has 1 MA's), (150, 64893), (153, 64884), (164, 64860), (182, 64812), (257, 64557), (259, 64551), (260, 64539), (272, 64506), (279, 64485), (295, 64428), (296, 64425), (307, 64386), (310, 64377), (319, 64347), (323, 64332), (328, 64314), (335, 64290), (340, 64269), (348, 64239), (355, 64218), (374, 64152), (375, 64149), (384, 64122), (387, 64116), (414, 64041), (421, 64005),

Gene: Izel_145 Start: 74499, Stop: 73330, Start Num: 76
Candidate Starts for Izel_145:
(39, 74580), (44, 74568), (Start: 76 @74499 has 6 MA's), (88, 74478), (Start: 122 @74403 has 14 MA's), (151, 74298), (158, 74289), (175, 74253), (199, 74199), (210, 74166), (220, 74136), (236, 74052), (260, 73956), (281, 73899), (294, 73857), (298, 73839), (313, 73776), (317, 73767), (320, 73755), (321, 73752), (335, 73701), (350, 73641), (388, 73542), (391, 73533), (403, 73497), (418, 73458), (425, 73431), (453, 73362), (456, 73353),

Gene: JAMaL_92 Start: 68380, Stop: 67322, Start Num: 114
Candidate Starts for JAMaL_92:
(Start: 114 @68380 has 161 MA's), (131, 68326), (136, 68308), (150, 68266), (164, 68233), (167, 68218), (171, 68209), (187, 68191), (202, 68158), (204, 68152), (208, 68134), (209, 68131), (226, 68089), (240, 68026), (257, 67957), (260, 67939), (266, 67921), (272, 67903), (293, 67831), (296, 67822), (300, 67801), (336, 67684), (338, 67675), (343, 67651), (346, 67642), (351, 67627), (359, 67606), (374, 67549), (384, 67519), (398, 67489), (400, 67477), (405, 67456), (433, 67381), (439, 67360), (454, 67327),

Gene: JKerns_75 Start: 50196, Stop: 49201, Start Num: 121
Candidate Starts for JKerns_75:
(Start: 121 @50196 has 22 MA's), (157, 50103), (189, 50040), (196, 50022), (238, 49887), (251, 49842), (255, 49818), (257, 49812), (260, 49794), (262, 49791), (286, 49716), (302, 49665), (340, 49536), (343, 49521), (355, 49485), (365, 49452), (429, 49269),

Gene: Jace_91 Start: 51481, Stop: 50453, Start Num: 114
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), (17, 51754), (18, 51748), (19, 51742), (20, 51733), (32, 51649), (38, 51640), (65, 51574), (77, 51556), (80, 51550), (Start: 114 @51481 has 161 MA's), (149, 51388), (150, 51385), (178, 51310), (200, 51268), (204, 51259), (226, 51196), (255, 51070), (257, 51064), (320, 50854), (333, 50809), (340, 50779), (343, 50764), (347, 50749), (375, 50659), (379, 50644), (406, 50566), (411, 50560),

Gene: Jackstina_90 Start: 66779, Stop: 65721, Start Num: 114
Candidate Starts for Jackstina_90:
(30, 66953), (Start: 42 @66923 has 7 MA's), (Start: 85 @66833 has 17 MA's), (Start: 114 @66779 has 161 MA's), (Start: 128 @66749 has 1 MA's), (150, 66665), (164, 66632), (200, 66560), (226, 66488), (244, 66407), (255, 66362), (257, 66356), (259, 66350), (260, 66338), (272, 66302), (300, 66200), (307, 66182), (321, 66137), (340, 66065), (343, 66050), (352, 66023), (355, 66014), (370, 65957), (400, 65873), (406, 65849), (419, 65819),

Gene: Jada_220 Start: 107002, Stop: 108024, Start Num: 113
Candidate Starts for Jada_220:
(Start: 113 @107002 has 18 MA's), (Start: 128 @107032 has 1 MA's), (156, 107113), (164, 107131), (187, 107173), (192, 107191), (203, 107209), (258, 107389), (278, 107452), (285, 107485), (289, 107497), (291, 107500), (295, 107512), (316, 107587), (338, 107662), (343, 107686), (344, 107692), (353, 107716), (371, 107779), (449, 108001), (456, 108016),

Gene: JaguarMi_86 Start: 68822, Stop: 67764, Start Num: 114
Candidate Starts for JaguarMi_86:
(Start: 114 @68822 has 161 MA's), (131, 68768), (140, 68732), (150, 68708), (152, 68702), (164, 68675), (167, 68660), (171, 68651), (187, 68633), (204, 68594), (208, 68576), (209, 68573), (226, 68531), (240, 68468), (257, 68399), (260, 68381), (266, 68363), (272, 68345), (293, 68273), (296, 68264), (300, 68243), (336, 68126), (338, 68117), (343, 68093), (346, 68084), (351, 68069), (359, 68048), (374, 67991), (384, 67961), (398, 67931), (400, 67919), (405, 67898), (433, 67823), (439, 67802), (451, 67775), (454, 67769),

Gene: Jakelyne_52 Start: 31022, Stop: 32074, Start Num: 82
Candidate Starts for Jakelyne_52:
(Start: 82 @31022 has 16 MA's), (Start: 105 @31064 has 1 MA's), (150, 31160), (167, 31208), (217, 31298), (257, 31457), (259, 31463), (263, 31478), (280, 31520), (289, 31559), (340, 31733), (371, 31841), (414, 31961), (431, 32003), (455, 32063),

Gene: Jawnski_72 Start: 49083, Stop: 48034, Start Num: 101
Candidate Starts for Jawnski_72:
(Start: 101 @49083 has 2 MA's), (Start: 121 @49038 has 22 MA's), (197, 48858), (204, 48840), (220, 48795), (224, 48786), (228, 48759), (251, 48675), (255, 48651), (257, 48645), (260, 48627), (302, 48498), (340, 48369), (343, 48354), (365, 48285), (410, 48147), (429, 48102), (450, 48048),

Gene: Jay2Jay_5 Start: 2708, Stop: 1602, Start Num: 67

Candidate Starts for Jay2Jay_5:
(Start: 67 @2708 has 4 MA's), (79, 2690), (110, 2627), (Start: 116 @2615 has 134 MA's), (145, 2534), (156, 2504), (167, 2471), (186, 2438), (193, 2414), (202, 2399), (227, 2348), (272, 2183), (296, 2102), (306, 2063), (312, 2045), (321, 2015), (338, 1952), (342, 1934), (367, 1856), (375, 1823), (409, 1715), (420, 1697), (435, 1658),

Gene: Jay2Jay_260 Start: 124801, Stop: 123695, Start Num: 67
Candidate Starts for Jay2Jay_260:
(Start: 67 @124801 has 4 MA's), (79, 124783), (110, 124720), (Start: 116 @124708 has 134 MA's), (145, 124627), (156, 124597), (167, 124564), (186, 124531), (193, 124507), (202, 124492), (227, 124441), (272, 124276), (296, 124195), (306, 124156), (312, 124138), (321, 124108), (338, 124045), (342, 124027), (367, 123949), (375, 123916), (409, 123808), (420, 123790), (435, 123751),

Gene: Jayden_60 Start: 37996, Stop: 38991, Start Num: 134
Candidate Starts for Jayden_60:
(Start: 134 @37996 has 5 MA's), (182, 38116), (187, 38125), (190, 38137), (202, 38170), (204, 38176), (208, 38194), (224, 38251), (234, 38305), (281, 38464), (284, 38476), (321, 38599), (329, 38629), (381, 38791), (385, 38800), (393, 38821), (407, 38863), (415, 38884),

Gene: Jefe_58 Start: 37277, Stop: 38272, Start Num: 133
Candidate Starts for Jefe_58:
(Start: 133 @37277 has 42 MA's), (182, 37397), (187, 37406), (190, 37418), (202, 37451), (204, 37457), (208, 37475), (234, 37586), (255, 37667), (281, 37745), (284, 37757), (321, 37880), (329, 37910), (385, 38081), (393, 38102), (402, 38132), (415, 38165), (434, 38213),

Gene: JellyBelly_75 Start: 57937, Stop: 56930, Start Num: 114
Candidate Starts for JellyBelly_75:
(23, 58150), (29, 58105), (65, 58021), (Start: 69 @58015 has 1 MA's), (91, 57979), (Start: 114 @57937 has 161 MA's), (150, 57841), (164, 57808), (167, 57793), (194, 57742), (207, 57727), (251, 57577), (255, 57553), (257, 57547), (260, 57529), (279, 57475), (289, 57433), (293, 57424), (300, 57394), (316, 57343), (340, 57259), (369, 57160), (374, 57142), (375, 57139), (387, 57106), (400, 57070),

Gene: Jflix2_48 Start: 34302, Stop: 33235, Start Num: 111
Candidate Starts for Jflix2_48:
(Start: 108 @34311 has 2 MA's), (Start: 111 @34302 has 34 MA's), (130, 34254), (181, 34125), (224, 33999), (257, 33858), (299, 33720), (364, 33495), (385, 33435), (415, 33351), (444, 33267), (453, 33246),

Gene: JimJam_271 Start: 124187, Stop: 123147, Start Num: 96
Candidate Starts for JimJam_271:
(Start: 96 @124187 has 21 MA's), (Start: 116 @124142 has 134 MA's), (156, 124031), (167, 123998), (187, 123965), (199, 123953), (203, 123944), (227, 123896), (229, 123878), (230, 123875), (272, 123731), (276, 123722), (285, 123680), (296, 123650), (306, 123611), (312, 123593), (321, 123563), (338, 123500), (375, 123368), (396, 123308), (409, 123260), (435, 123203), (449, 123167),

Gene: JimJam_3 Start: 2651, Stop: 1611, Start Num: 96
Candidate Starts for JimJam_3:
(Start: 96 @2651 has 21 MA's), (Start: 116 @2606 has 134 MA's), (156, 2495), (167, 2462), (187, 2429), (199, 2417), (203, 2408), (227, 2360), (229, 2342), (230, 2339), (272, 2195), (276, 2186), (285, 2144), (296, 2114), (306, 2075), (312, 2057), (321, 2027), (338, 1964), (375, 1832), (396, 1772), (409, 1724), (435, 1667), (449, 1631),

Gene: JimmyPG_17 Start: 12538, Stop: 11522, Start Num: 127

Candidate Starts for JimmyPG_17:
(40, 12724), (Start: 111 @12571 has 34 MA's), (Start: 127 @12538 has 37 MA's), (163, 12424), (174, 12409), (226, 12268), (233, 12229), (235, 12220), (256, 12136), (296, 12007), (321, 11914), (347, 11812), (357, 11782), (371, 11752), (375, 11740), (420, 11608), (436, 11569), (451, 11527),

Gene: JoieB_101 Start: 58161, Stop: 57091, Start Num: 111
Candidate Starts for JoieB_101:
(Start: 76 @58233 has 6 MA's), (Start: 78 @58230 has 1 MA's), (Start: 82 @58224 has 16 MA's), (Start: 111 @58161 has 34 MA's), (120, 58146), (130, 58113), (159, 58020), (175, 57987), (184, 57963), (198, 57930), (199, 57927), (200, 57924), (206, 57909), (210, 57897), (219, 57870), (236, 57783), (240, 57771), (250, 57738), (255, 57711), (257, 57705), (260, 57687), (278, 57645), (281, 57630), (292, 57594), (296, 57582), (314, 57504), (318, 57498), (326, 57471), (332, 57450), (351, 57375), (383, 57300), (392, 57279), (395, 57276), (453, 57108), (454, 57105),

Gene: Jolie1_092 Start: 68844, Stop: 67807, Start Num: 114
Candidate Starts for Jolie1_092:
(70, 68925), (Start: 114 @68844 has 161 MA's), (Start: 128 @68814 has 1 MA's), (136, 68772), (150, 68730), (164, 68697), (173, 68664), (191, 68643), (226, 68571), (257, 68439), (259, 68433), (260, 68421), (293, 68313), (296, 68304), (300, 68283), (309, 68259), (310, 68256), (323, 68211), (343, 68133), (384, 68001), (405, 67938), (433, 67866),

Gene: Jollipop_59 Start: 37692, Stop: 38687, Start Num: 133
Candidate Starts for Jollipop_59:
(Start: 133 @37692 has 42 MA's), (182, 37812), (187, 37821), (190, 37833), (202, 37866), (204, 37872), (208, 37890), (234, 38001), (255, 38082), (270, 38124), (281, 38160), (284, 38172), (321, 38295), (329, 38325), (385, 38496), (393, 38517), (402, 38547), (415, 38580), (434, 38628),

Gene: Jollison_260 Start: 121281, Stop: 120286, Start Num: 116
Candidate Starts for Jollison_260:
(Start: 96 @121326 has 21 MA's), (Start: 116 @121281 has 134 MA's), (156, 121170), (167, 121137), (187, 121104), (199, 121092), (203, 121083), (227, 121035), (229, 121017), (230, 121014), (272, 120870), (276, 120861), (285, 120819), (296, 120789), (306, 120750), (312, 120732), (321, 120702), (338, 120639), (375, 120507), (396, 120447), (409, 120399), (435, 120342), (449, 120306),

Gene: Jollison_3 Start: 2606, Stop: 1611, Start Num: 116
Candidate Starts for Jollison_3:
(Start: 96 @2651 has 21 MA's), (Start: 116 @2606 has 134 MA's), (156, 2495), (167, 2462), (187, 2429), (199, 2417), (203, 2408), (227, 2360), (229, 2342), (230, 2339), (272, 2195), (276, 2186), (285, 2144), (296, 2114), (306, 2075), (312, 2057), (321, 2027), (338, 1964), (375, 1832), (396, 1772), (409, 1724), (435, 1667), (449, 1631),

Gene: Jollymon_1 Start: 1, Stop: 1032, Start Num: 109
Candidate Starts for Jollymon_1:
(Start: 109 @1 has 7 MA's), (150, 97), (191, 199), (254, 406), (257, 418), (259, 424), (277, 481), (287, 526), (296, 547), (307, 586), (340, 703), (343, 718), (354, 754), (355, 757),

Gene: Jordan_77 Start: 50754, Stop: 49759, Start Num: 121
Candidate Starts for Jordan_77:
(Start: 121 @50754 has 22 MA's), (157, 50661), (189, 50598), (196, 50580), (238, 50445), (251, 50400), (255, 50376), (257, 50370), (260, 50352), (262, 50349), (286, 50274), (302, 50223), (340, 50094), (343, 50079), (355, 50043), (365, 50010), (429, 49827),

Gene: JordanFarm_17 Start: 12296, Stop: 11307, Start Num: 127

Candidate Starts for JordanFarm_17:
(Start: 127 @12296 has 37 MA's), (163, 12182), (174, 12167), (226, 12053), (233, 12014), (235, 12005), (256, 11921), (296, 11792), (321, 11699), (343, 11612), (386, 11492), (415, 11414), (427, 11372), (436, 11354), (445, 11327),

Gene: JoyceMaria_92 Start: 68893, Stop: 67835, Start Num: 114
Candidate Starts for JoyceMaria_92:
(Start: 114 @68893 has 161 MA's), (131, 68839), (150, 68779), (152, 68773), (164, 68746), (167, 68731), (171, 68722), (187, 68704), (204, 68665), (208, 68647), (209, 68644), (226, 68602), (240, 68539), (257, 68470), (260, 68452), (266, 68434), (272, 68416), (293, 68344), (296, 68335), (300, 68314), (336, 68197), (338, 68188), (343, 68164), (346, 68155), (351, 68140), (359, 68119), (374, 68062), (384, 68032), (400, 67990), (405, 67969), (433, 67894), (439, 67873), (451, 67846), (454, 67840),

Gene: KSunshine22_169 Start: 113333, Stop: 114310, Start Num: 114
Candidate Starts for KSunshine22_169:
(Start: 114 @113333 has 161 MA's), (130, 113375), (179, 113501), (236, 113636), (255, 113717), (278, 113780), (300, 113864), (328, 113954), (340, 113999), (375, 114098), (400, 114173),

Gene: KaiHaiDragon_59 Start: 37213, Stop: 38208, Start Num: 133
Candidate Starts for KaiHaiDragon_59:
(Start: 133 @37213 has 42 MA's), (182, 37333), (187, 37342), (190, 37354), (202, 37387), (204, 37393), (208, 37411), (234, 37522), (255, 37603), (281, 37681), (284, 37693), (321, 37816), (329, 37846), (385, 38017), (393, 38038), (402, 38068), (415, 38101), (434, 38149),

Gene: Kaleb_85 Start: 64918, Stop: 63848, Start Num: 114
Candidate Starts for Kaleb_85:
(Start: 114 @64918 has 161 MA's), (Start: 128 @64888 has 1 MA's), (150, 64822), (153, 64813), (164, 64789), (171, 64765), (182, 64741), (257, 64486), (259, 64480), (260, 64468), (272, 64435), (279, 64414), (295, 64357), (296, 64354), (307, 64315), (310, 64306), (319, 64276), (323, 64261), (328, 64243), (335, 64219), (340, 64198), (348, 64168), (355, 64147), (374, 64081), (375, 64078), (384, 64051), (387, 64045), (414, 63970), (421, 63934),

Gene: Kamiyu_97 Start: 66920, Stop: 65808, Start Num: 85
Candidate Starts for Kamiyu_97:
(30, 67040), (Start: 42 @67010 has 7 MA's), (Start: 85 @66920 has 17 MA's), (Start: 114 @66866 has 161 MA's), (Start: 128 @66836 has 1 MA's), (150, 66752), (164, 66719), (200, 66647), (226, 66575), (244, 66494), (255, 66449), (257, 66443), (259, 66437), (260, 66425), (272, 66389), (300, 66287), (307, 66269), (321, 66224), (340, 66152), (343, 66137), (352, 66110), (355, 66101), (370, 66044), (400, 65960), (406, 65936), (419, 65906),

Gene: Kampe_114 Start: 77930, Stop: 76869, Start Num: 111
Candidate Starts for Kampe_114:
(Start: 111 @77930 has 34 MA's), (Start: 123 @77906 has 1 MA's), (163, 77777), (172, 77759), (217, 77654), (228, 77594), (270, 77444), (305, 77324), (327, 77246), (328, 77240), (339, 77198), (347, 77165), (357, 77135), (385, 77072), (391, 77054), (439, 76913), (444, 76901), (448, 76892),

Gene: KarasumaRum_89 Start: 67233, Stop: 66154, Start Num: 114
Candidate Starts for KarasumaRum_89:
(Start: 114 @67233 has 161 MA's), (150, 67137), (164, 67104), (188, 67062), (220, 66981), (257, 66831), (259, 66825), (279, 66759), (296, 66699), (304, 66666), (323, 66606), (326, 66597), (334, 66567), (338, 66552), (345, 66519), (348, 66513), (351, 66504), (355, 66492), (375, 66423), (377, 66417), (378, 66414), (406, 66330), (408, 66324), (426, 66285), (460, 66195), (461, 66192), (466,

66177),

Gene: Karimac_261 Start: 121927, Stop: 120932, Start Num: 116
Candidate Starts for Karimac_261:
(Start: 96 @121972 has 21 MA's), (Start: 116 @121927 has 134 MA's), (156, 121816), (167, 121783), (187, 121750), (199, 121738), (203, 121729), (227, 121681), (229, 121663), (230, 121660), (272, 121516), (276, 121507), (285, 121465), (296, 121435), (306, 121396), (312, 121378), (321, 121348), (338, 121285), (375, 121153), (396, 121093), (409, 121045), (435, 120988), (449, 120952),

Gene: Karimac_3 Start: 2608, Stop: 1613, Start Num: 116
Candidate Starts for Karimac_3:
(Start: 96 @2653 has 21 MA's), (Start: 116 @2608 has 134 MA's), (156, 2497), (167, 2464), (187, 2431), (199, 2419), (203, 2410), (227, 2362), (229, 2344), (230, 2341), (272, 2197), (276, 2188), (285, 2146), (296, 2116), (306, 2077), (312, 2059), (321, 2029), (338, 1966), (375, 1834), (396, 1774), (409, 1726), (435, 1669), (449, 1633),

Gene: Karp_214 Start: 108408, Stop: 109430, Start Num: 112
Candidate Starts for Karp_214:
(Start: 112 @108408 has 9 MA's), (Start: 128 @108438 has 1 MA's), (156, 108519), (164, 108537), (187, 108579), (192, 108597), (203, 108615), (258, 108795), (278, 108858), (285, 108891), (289, 108903), (291, 108906), (295, 108918), (316, 108993), (338, 109068), (343, 109092), (353, 109122), (371, 109185), (449, 109404),

Gene: KayaCho_90 Start: 68660, Stop: 67599, Start Num: 114
Candidate Starts for KayaCho_90:
(70, 68741), (Start: 114 @68660 has 161 MA's), (Start: 128 @68630 has 1 MA's), (150, 68546), (164, 68513), (171, 68489), (187, 68471), (193, 68453), (208, 68408), (209, 68405), (226, 68363), (240, 68300), (257, 68231), (259, 68225), (260, 68213), (293, 68105), (296, 68096), (300, 68075), (310, 68048), (323, 68003), (336, 67958), (343, 67925), (384, 67793), (405, 67730), (433, 67658),

Gene: Keelan_81 Start: 43600, Stop: 42530, Start Num: 111
Candidate Starts for Keelan_81:
(Start: 72 @43678 has 13 MA's), (79, 43666), (Start: 111 @43600 has 34 MA's), (Start: 123 @43576 has 1 MA's), (130, 43552), (158, 43459), (163, 43447), (172, 43429), (188, 43399), (205, 43354), (234, 43231), (239, 43213), (259, 43138), (278, 43084), (281, 43069), (296, 43021), (328, 42907), (331, 42901), (332, 42898), (342, 42856), (343, 42850), (345, 42841), (355, 42811), (401, 42694), (427, 42613), (437, 42589), (445, 42565), (453, 42547), (454, 42544),

Gene: Kenrey_224 Start: 107547, Stop: 108569, Start Num: 113
Candidate Starts for Kenrey_224:
(Start: 113 @107547 has 18 MA's), (Start: 128 @107577 has 1 MA's), (156, 107658), (164, 107676), (187, 107718), (203, 107754), (239, 107862), (258, 107934), (278, 107997), (285, 108030), (289, 108042), (291, 108045), (295, 108057), (299, 108075), (316, 108132), (338, 108207), (343, 108231), (353, 108261), (371, 108324), (449, 108546), (456, 108561),

Gene: KentuckyRacer_270 Start: 123669, Stop: 122674, Start Num: 116
Candidate Starts for KentuckyRacer_270:
(Start: 96 @123714 has 21 MA's), (Start: 116 @123669 has 134 MA's), (156, 123558), (167, 123525), (187, 123492), (199, 123480), (203, 123471), (227, 123423), (229, 123405), (230, 123402), (272, 123258), (276, 123249), (285, 123207), (296, 123177), (306, 123138), (312, 123120), (321, 123090), (338, 123027), (375, 122895), (396, 122835), (409, 122787), (435, 122730), (449, 122694),

Gene: KentuckyRacer_2 Start: 2218, Stop: 1223, Start Num: 116

Candidate Starts for KentuckyRacer_2:
(Start: 96 @2263 has 21 MA's), (Start: 116 @2218 has 134 MA's), (156, 2107), (167, 2074), (187, 2041), (199, 2029), (203, 2020), (227, 1972), (229, 1954), (230, 1951), (272, 1807), (276, 1798), (285, 1756), (296, 1726), (306, 1687), (312, 1669), (321, 1639), (338, 1576), (375, 1444), (396, 1384), (409, 1336), (435, 1279), (449, 1243),

Gene: Keough_17 Start: 12298, Stop: 11294, Start Num: 127
Candidate Starts for Keough_17:
(Start: 127 @12298 has 37 MA's), (174, 12169), (220, 12073), (233, 12004), (235, 11995), (254, 11920), (296, 11782), (321, 11689), (340, 11617), (343, 11602), (347, 11587), (351, 11575), (357, 11557), (375, 11512), (420, 11380), (436, 11341), (451, 11299),

Gene: Kheth_85 Start: 64824, Stop: 63754, Start Num: 114
Candidate Starts for Kheth_85:
(Start: 114 @64824 has 161 MA's), (Start: 128 @64794 has 1 MA's), (150, 64728), (153, 64719), (164, 64695), (171, 64671), (257, 64392), (259, 64386), (260, 64374), (272, 64341), (279, 64320), (295, 64263), (296, 64260), (307, 64221), (310, 64212), (319, 64182), (323, 64167), (328, 64149), (335, 64125), (340, 64104), (348, 64074), (355, 64053), (374, 63987), (375, 63984), (384, 63957), (387, 63951), (414, 63876), (421, 63840),

Gene: King2_72 Start: 49965, Stop: 48961, Start Num: 121
Candidate Starts for King2_72:
(Start: 101 @50010 has 2 MA's), (Start: 121 @49965 has 22 MA's), (197, 49785), (204, 49767), (220, 49722), (224, 49713), (228, 49686), (251, 49602), (255, 49578), (257, 49572), (260, 49554), (302, 49425), (340, 49296), (343, 49281), (410, 49074), (429, 49029), (450, 48975),

Gene: KingKamren_18 Start: 13027, Stop: 12038, Start Num: 127
Candidate Starts for KingKamren_18:
(Start: 127 @13027 has 37 MA's), (132, 12997), (138, 12976), (185, 12871), (224, 12793), (229, 12760), (235, 12736), (240, 12721), (282, 12565), (315, 12442), (383, 12232), (427, 12103), (436, 12085),

Gene: KingstonB_1 Start: 1, Stop: 1032, Start Num: 109
Candidate Starts for KingstonB_1:
(Start: 109 @1 has 7 MA's), (150, 97), (191, 199), (254, 406), (257, 418), (259, 424), (277, 481), (287, 526), (296, 547), (307, 586), (340, 703), (343, 718), (354, 754), (355, 757),

Gene: KleverKiS_151 Start: 76403, Stop: 75330, Start Num: 122
Candidate Starts for KleverKiS_151:
(39, 76580), (44, 76568), (Start: 76 @76499 has 6 MA's), (88, 76478), (Start: 122 @76403 has 14 MA's), (151, 76298), (158, 76289), (175, 76253), (199, 76199), (210, 76166), (220, 76136), (236, 76052), (260, 75956), (281, 75899), (294, 75857), (298, 75839), (313, 75776), (317, 75767), (320, 75755), (321, 75752), (335, 75701), (350, 75641), (388, 75542), (391, 75533), (403, 75497), (418, 75458), (453, 75362), (456, 75353),

Gene: Klevey_76 Start: 46572, Stop: 45574, Start Num: 126
Candidate Starts for Klevey_76:
(15, 46890), (52, 46722), (104, 46623), (Start: 126 @46572 has 6 MA's), (150, 46503), (157, 46485), (251, 46227), (254, 46209), (255, 46203), (340, 45921), (351, 45882), (352, 45879),

Gene: Knocker_89 Start: 68373, Stop: 67315, Start Num: 114
Candidate Starts for Knocker_89:

(Start: 86 @68424 has 1 MA's), (Start: 114 @68373 has 161 MA's), (150, 68277), (157, 68259), (164, 68244), (182, 68202), (188, 68190), (193, 68172), (195, 68166), (207, 68151), (227, 68100), (235, 68055), (237, 68049), (255, 67977), (257, 67971), (259, 67965), (264, 67947), (279, 67902), (293, 67851), (296, 67842), (300, 67821), (307, 67803), (310, 67794), (312, 67788), (316, 67770), (323, 67749), (326, 67740), (338, 67695), (345, 67662), (348, 67656), (355, 67635), (371, 67578), (374, 67569), (375, 67566), (377, 67560), (378, 67557), (402, 67485), (406, 67473), (431, 67419), (460, 67338),

Gene: Kolhan_86 Start: 64811, Stop: 63741, Start Num: 114
Candidate Starts for Kolhan_86:
(Start: 114 @64811 has 161 MA's), (Start: 128 @64781 has 1 MA's), (150, 64715), (153, 64706), (164, 64682), (171, 64658), (182, 64634), (257, 64379), (259, 64373), (260, 64361), (272, 64328), (279, 64307), (295, 64250), (296, 64247), (307, 64208), (310, 64199), (319, 64169), (323, 64154), (328, 64136), (335, 64112), (340, 64091), (348, 64061), (355, 64040), (374, 63974), (375, 63971), (384, 63944), (387, 63938), (414, 63863), (421, 63827),

Gene: Konstantine_57 Start: 43519, Stop: 44730, Start Num: 75
Candidate Starts for Konstantine_57:
(Start: 63 @43501 has 2 MA's), (Start: 75 @43519 has 7 MA's), (103, 43564), (106, 43573), (187, 43783), (226, 43912), (229, 43933), (237, 43966), (240, 43975), (255, 44041), (257, 44047), (260, 44065), (277, 44104), (299, 44185), (312, 44233), (321, 44263), (335, 44314), (360, 44410), (430, 44605), (438, 44629), (439, 44632), (443, 44641), (462, 44695),

Gene: Kowalski_57 Start: 37326, Stop: 38321, Start Num: 133
Candidate Starts for Kowalski_57:
(Start: 133 @37326 has 42 MA's), (182, 37446), (187, 37455), (190, 37467), (202, 37500), (204, 37506), (208, 37524), (234, 37635), (255, 37716), (281, 37794), (284, 37806), (321, 37929), (329, 37959), (385, 38130), (393, 38151), (402, 38181), (415, 38214), (434, 38262),

Gene: Kozie_54 Start: 37761, Stop: 38762, Start Num: 127
Candidate Starts for Kozie_54:
(97, 37689), (Start: 127 @37761 has 37 MA's), (132, 37791), (137, 37809), (144, 37833), (185, 37917), (233, 38055), (245, 38097), (256, 38148), (278, 38214), (293, 38268), (303, 38307), (337, 38430), (340, 38442), (366, 38517), (371, 38532), (375, 38544), (389, 38586), (437, 38718),

Gene: Kronus_97 Start: 67951, Stop: 66893, Start Num: 114
Candidate Starts for Kronus_97:
(30, 68125), (Start: 42 @68095 has 7 MA's), (Start: 85 @68005 has 17 MA's), (Start: 114 @67951 has 161 MA's), (Start: 128 @67921 has 1 MA's), (150, 67837), (164, 67804), (200, 67732), (226, 67660), (244, 67579), (255, 67534), (257, 67528), (259, 67522), (260, 67510), (272, 67474), (300, 67372), (307, 67354), (321, 67309), (340, 67237), (343, 67222), (352, 67195), (355, 67186), (370, 67129), (400, 67045), (406, 67021), (419, 66991),

Gene: Labelle_60 Start: 43530, Stop: 44834, Start Num: 107
Candidate Starts for Labelle_60:
(64, 43458), (Start: 107 @43530 has 4 MA's), (155, 43674), (180, 43731), (228, 43878), (236, 43911), (247, 43947), (251, 43965), (257, 43995), (277, 44052), (280, 44061), (284, 44082), (287, 44097), (296, 44118), (299, 44133), (328, 44238), (335, 44262), (340, 44283), (353, 44331), (354, 44334), (357, 44343), (385, 44466), (404, 44541), (413, 44559), (416, 44577), (417, 44580), (440, 44649), (462, 44709),

Gene: Lambano_89 Start: 67674, Stop: 66628, Start Num: 114
Candidate Starts for Lambano_89:

(Start: 114 @67674 has 161 MA's), (131, 67620), (136, 67602), (150, 67560), (164, 67527), (167, 67512), (171, 67503), (187, 67485), (204, 67446), (207, 67431), (226, 67383), (240, 67320), (257, 67251), (259, 67245), (260, 67233), (293, 67125), (296, 67116), (300, 67095), (323, 67023), (343, 66945), (346, 66936), (348, 66930), (351, 66921), (359, 66900), (374, 66843), (384, 66813), (400, 66771), (414, 66741), (433, 66687), (439, 66666), (454, 66633),

Gene: Larnav_252 Start: 124229, Stop: 123216, Start Num: 116
Candidate Starts for Larnav_252:
(Start: 116 @124229 has 134 MA's), (156, 124118), (178, 124058), (187, 124049), (193, 124028), (202, 124013), (227, 123962), (253, 123851), (272, 123797), (296, 123716), (306, 123677), (312, 123659), (321, 123629), (338, 123566), (362, 123482), (367, 123470), (375, 123437), (396, 123377), (409, 123329), (420, 123311), (435, 123272),

Gene: Larnav_2 Start: 2224, Stop: 1211, Start Num: 116
Candidate Starts for Larnav_2:
(Start: 116 @2224 has 134 MA's), (156, 2113), (178, 2053), (187, 2044), (193, 2023), (202, 2008), (227, 1957), (253, 1846), (272, 1792), (296, 1711), (306, 1672), (312, 1654), (321, 1624), (338, 1561), (362, 1477), (367, 1465), (375, 1432), (396, 1372), (409, 1324), (420, 1306), (435, 1267),

Gene: Lars_86 Start: 64888, Stop: 63818, Start Num: 114
Candidate Starts for Lars_86:
(Start: 114 @64888 has 161 MA's), (Start: 128 @64858 has 1 MA's), (150, 64792), (153, 64783), (164, 64759), (171, 64735), (182, 64711), (257, 64456), (259, 64450), (260, 64438), (272, 64405), (279, 64384), (295, 64327), (296, 64324), (307, 64285), (310, 64276), (319, 64246), (323, 64231), (335, 64189), (340, 64168), (348, 64138), (355, 64117), (374, 64051), (375, 64048), (384, 64021), (387, 64015), (414, 63940), (421, 63904),

Gene: Laure_176 Start: 107363, Stop: 108334, Start Num: 114
Candidate Starts for Laure_176:
(Start: 114 @107363 has 161 MA's), (130, 107402), (179, 107528), (187, 107534), (204, 107558), (227, 107612), (251, 107717), (255, 107741), (278, 107804), (328, 107978), (341, 108026), (343, 108038), (352, 108065), (371, 108110), (375, 108122), (386, 108155),

Gene: Laurie_84 Start: 64232, Stop: 63162, Start Num: 114
Candidate Starts for Laurie_84:
(Start: 114 @64232 has 161 MA's), (Start: 128 @64202 has 1 MA's), (150, 64136), (153, 64127), (164, 64103), (171, 64079), (182, 64055), (192, 64028), (217, 63959), (257, 63800), (259, 63794), (260, 63782), (272, 63749), (279, 63728), (295, 63671), (296, 63668), (307, 63629), (310, 63620), (319, 63590), (323, 63575), (328, 63557), (335, 63533), (340, 63512), (348, 63482), (355, 63461), (374, 63395), (375, 63392), (384, 63365), (387, 63359), (414, 63284), (421, 63248),

Gene: Leaf_143 Start: 85376, Stop: 86380, Start Num: 127
Candidate Starts for Leaf_143:
(Start: 127 @85376 has 37 MA's), (132, 85406), (165, 85493), (207, 85571), (227, 85634), (245, 85712), (246, 85715), (254, 85754), (264, 85790), (296, 85892), (297, 85898), (300, 85913), (325, 86000), (341, 86060), (356, 86114), (357, 86117), (371, 86147), (383, 86183), (437, 86333),

Gene: LeeroyJ_78 Start: 50672, Stop: 49668, Start Num: 117
Candidate Starts for LeeroyJ_78:
(Start: 117 @50672 has 2 MA's), (Start: 121 @50666 has 22 MA's), (157, 50570), (189, 50507), (196, 50489), (251, 50309), (255, 50285), (257, 50279), (260, 50261), (262, 50258), (286, 50183), (302, 50132), (343, 49988), (355, 49952), (365, 49919), (429, 49736), (449, 49685),

Gene: Leo04_2 Start: 2224, Stop: 1211, Start Num: 116
Candidate Starts for Leo04_2:
(Start: 45 @2371 has 4 MA's), (Start: 67 @2317 has 4 MA's), (79, 2299), (Start: 116 @2224 has 134 MA's), (156, 2113), (167, 2080), (178, 2053), (187, 2044), (193, 2023), (202, 2008), (227, 1957), (253, 1846), (272, 1792), (296, 1711), (306, 1672), (312, 1654), (321, 1624), (338, 1561), (362, 1477), (367, 1465), (375, 1432), (396, 1372), (409, 1324), (420, 1306), (435, 1267),

Gene: Leo04_253 Start: 124342, Stop: 123329, Start Num: 116
Candidate Starts for Leo04_253:
(Start: 45 @124489 has 4 MA's), (Start: 67 @124435 has 4 MA's), (79, 124417), (Start: 116 @124342 has 134 MA's), (156, 124231), (167, 124198), (178, 124171), (187, 124162), (193, 124141), (202, 124126), (227, 124075), (253, 123964), (272, 123910), (296, 123829), (306, 123790), (312, 123772), (321, 123742), (338, 123679), (362, 123595), (367, 123583), (375, 123550), (396, 123490), (409, 123442), (420, 123424), (435, 123385),

Gene: LeoJr_176 Start: 116106, Stop: 117113, Start Num: 114
Candidate Starts for LeoJr_176:
(Start: 114 @116106 has 161 MA's), (130, 116148), (177, 116280), (236, 116436), (255, 116517), (278, 116580), (300, 116664), (328, 116754), (340, 116799), (341, 116802), (371, 116886), (373, 116892), (375, 116898),

Gene: Lephleur_85 Start: 64743, Stop: 63673, Start Num: 114
Candidate Starts for Lephleur_85:
(Start: 114 @64743 has 161 MA's), (Start: 128 @64713 has 1 MA's), (150, 64647), (153, 64638), (164, 64614), (171, 64590), (182, 64566), (257, 64311), (259, 64305), (260, 64293), (272, 64260), (279, 64239), (295, 64182), (296, 64179), (307, 64140), (310, 64131), (319, 64101), (323, 64086), (328, 64068), (335, 64044), (340, 64023), (348, 63993), (355, 63972), (374, 63906), (375, 63903), (384, 63876), (387, 63870), (414, 63795), (421, 63759),

Gene: LestyG_95 Start: 66491, Stop: 65379, Start Num: 85
Candidate Starts for LestyG_95:
(30, 66611), (Start: 42 @66581 has 7 MA's), (Start: 85 @66491 has 17 MA's), (Start: 114 @66437 has 161 MA's), (Start: 128 @66407 has 1 MA's), (150, 66323), (164, 66290), (200, 66218), (226, 66146), (244, 66065), (255, 66020), (257, 66014), (259, 66008), (260, 65996), (272, 65960), (300, 65858), (307, 65840), (321, 65795), (340, 65723), (343, 65708), (352, 65681), (355, 65672), (370, 65615), (400, 65531), (406, 65507), (419, 65477),

Gene: Liandry_3 Start: 2417, Stop: 1404, Start Num: 116
Candidate Starts for Liandry_3:
(43, 2567), (57, 2531), (Start: 67 @2510 has 4 MA's), (79, 2492), (Start: 116 @2417 has 134 MA's), (145, 2336), (156, 2306), (178, 2246), (193, 2216), (202, 2201), (203, 2198), (227, 2150), (253, 2039), (272, 1985), (284, 1940), (296, 1904), (306, 1865), (312, 1847), (321, 1817), (367, 1658), (375, 1625), (396, 1565), (409, 1517), (420, 1499), (435, 1460),

Gene: Liandry_252 Start: 123938, Stop: 122925, Start Num: 116
Candidate Starts for Liandry_252:
(43, 124088), (57, 124052), (Start: 67 @124031 has 4 MA's), (79, 124013), (Start: 116 @123938 has 134 MA's), (145, 123857), (156, 123827), (178, 123767), (193, 123737), (202, 123722), (203, 123719), (227, 123671), (253, 123560), (272, 123506), (284, 123461), (296, 123425), (306, 123386), (312, 123368), (321, 123338), (367, 123179), (375, 123146), (396, 123086), (409, 123038), (420, 123020), (435, 122981),

Gene: Ligma_80 Start: 59316, Stop: 58309, Start Num: 114

Candidate Starts for Ligma_80:
(Start: 114 @59316 has 161 MA's), (150, 59220), (164, 59187), (167, 59172), (194, 59121), (207, 59106), (255, 58932), (257, 58926), (260, 58908), (279, 58854), (289, 58812), (293, 58803), (300, 58773), (316, 58722), (369, 58539), (374, 58521), (375, 58518), (387, 58485), (400, 58449), (449, 58326),

Gene: LilMartin_254 Start: 123618, Stop: 122602, Start Num: 116
Candidate Starts for LilMartin_254:
(Start: 116 @123618 has 134 MA's), (156, 123507), (172, 123459), (178, 123447), (186, 123441), (202, 123402), (227, 123348), (253, 123237), (272, 123183), (296, 123102), (306, 123063), (312, 123045), (321, 123015), (338, 122952), (367, 122856), (375, 122823), (396, 122763), (409, 122715), (420, 122697), (435, 122658),

Gene: LilMartin_2 Start: 2274, Stop: 1258, Start Num: 116
Candidate Starts for LilMartin_2:
(Start: 116 @2274 has 134 MA's), (156, 2163), (172, 2115), (178, 2103), (186, 2097), (202, 2058), (227, 2004), (253, 1893), (272, 1839), (296, 1758), (306, 1719), (312, 1701), (321, 1671), (338, 1608), (367, 1512), (375, 1479), (396, 1419), (409, 1371), (420, 1353), (435, 1314),

Gene: LilMcDreamy_90 Start: 68177, Stop: 67116, Start Num: 114
Candidate Starts for LilMcDreamy_90:
(Start: 114 @68177 has 161 MA's), (150, 68081), (164, 68048), (208, 67952), (220, 67925), (226, 67907), (257, 67775), (259, 67769), (289, 67658), (296, 67640), (310, 67592), (323, 67547), (338, 67493), (348, 67454), (351, 67445), (363, 67400), (374, 67367), (375, 67364), (400, 67295), (406, 67271), (408, 67265), (426, 67229), (455, 67160), (457, 67154),

Gene: LilSaint_3 Start: 2327, Stop: 1266, Start Num: 99
Candidate Starts for LilSaint_3:
(Start: 99 @2327 has 1 MA's), (Start: 116 @2288 has 134 MA's), (145, 2207), (156, 2177), (172, 2129), (178, 2117), (186, 2111), (202, 2072), (227, 2018), (253, 1907), (254, 1904), (272, 1853), (284, 1808), (296, 1772), (306, 1733), (312, 1715), (321, 1685), (338, 1622), (342, 1604), (367, 1526), (375, 1493), (409, 1385), (420, 1367), (435, 1328),

Gene: LilSaint_256 Start: 124138, Stop: 123116, Start Num: 116
Candidate Starts for LilSaint_256:
(Start: 99 @124177 has 1 MA's), (Start: 116 @124138 has 134 MA's), (145, 124057), (156, 124027), (172, 123979), (178, 123967), (186, 123961), (202, 123922), (227, 123868), (253, 123757), (254, 123754), (272, 123703), (284, 123658), (296, 123622), (306, 123583), (312, 123565), (321, 123535), (338, 123472), (342, 123454), (367, 123376), (375, 123343), (409, 123235), (420, 123217), (435, 123178),

Gene: LilSmirk_85 Start: 64782, Stop: 63712, Start Num: 114
Candidate Starts for LilSmirk_85:
(28, 64977), (Start: 114 @64782 has 161 MA's), (Start: 128 @64752 has 1 MA's), (150, 64686), (153, 64677), (164, 64653), (171, 64629), (182, 64605), (257, 64350), (259, 64344), (260, 64332), (272, 64299), (279, 64278), (295, 64221), (296, 64218), (307, 64179), (310, 64170), (319, 64140), (323, 64125), (328, 64107), (335, 64083), (340, 64062), (348, 64032), (355, 64011), (374, 63945), (375, 63942), (384, 63915), (387, 63909), (414, 63834), (421, 63798),

Gene: Lilbeanie_90 Start: 55740, Stop: 56759, Start Num: 122
Candidate Starts for Lilbeanie_90:
(Start: 122 @55740 has 14 MA's), (177, 55887), (186, 55899), (199, 55929), (202, 55935), (223, 55989), (251, 56106), (254, 56124), (257, 56136), (259, 56142), (265, 56163), (267, 56178), (278,

56205), (297, 56274), (304, 56301), (343, 56439), (452, 56754),

Gene: Lilbit_96 Start: 58120, Stop: 57050, Start Num: 111
Candidate Starts for Lilbit_96:
(Start: 86 @58174 has 1 MA's), (93, 58165), (Start: 111 @58120 has 34 MA's), (120, 58105), (130, 58072), (159, 57979), (175, 57946), (184, 57922), (198, 57889), (199, 57886), (200, 57883), (206, 57868), (210, 57856), (219, 57829), (236, 57742), (240, 57730), (250, 57697), (255, 57670), (257, 57664), (260, 57646), (278, 57604), (281, 57589), (292, 57553), (296, 57541), (314, 57463), (318, 57457), (326, 57430), (332, 57409), (351, 57334), (383, 57259), (392, 57238), (395, 57235), (453, 57067), (454, 57064),

Gene: LilhomieP_145 Start: 75433, Stop: 74360, Start Num: 122
Candidate Starts for LilhomieP_145:
(39, 75610), (44, 75598), (Start: 76 @75529 has 6 MA's), (88, 75508), (Start: 122 @75433 has 14 MA's), (151, 75328), (158, 75319), (175, 75283), (199, 75229), (210, 75196), (220, 75166), (236, 75082), (260, 74986), (281, 74929), (294, 74887), (298, 74869), (313, 74806), (317, 74797), (320, 74785), (321, 74782), (335, 74731), (350, 74671), (388, 74572), (391, 74563), (403, 74527), (418, 74488), (453, 74392), (456, 74383),

Gene: Lilmac1015_76 Start: 46704, Stop: 45700, Start Num: 124
Candidate Starts for Lilmac1015_76:
(Start: 124 @46704 has 1 MA's), (150, 46629), (157, 46611), (251, 46353), (255, 46329), (340, 46047), (351, 46008), (352, 46005),

Gene: Limpid_212 Start: 108722, Stop: 109738, Start Num: 115
Candidate Starts for Limpid_212:
(Start: 115 @108722 has 4 MA's), (Start: 128 @108749 has 1 MA's), (150, 108821), (156, 108836), (169, 108875), (208, 108944), (229, 108989), (278, 109163), (291, 109211), (300, 109247), (302, 109253), (316, 109298), (338, 109373), (343, 109397), (389, 109532), (428, 109661), (432, 109667), (444, 109700), (449, 109712), (450, 109715),

Gene: LittleDigger_91 Start: 67776, Stop: 66730, Start Num: 114
Candidate Starts for LittleDigger_91:
(Start: 114 @67776 has 161 MA's), (131, 67722), (136, 67704), (150, 67662), (164, 67629), (167, 67614), (171, 67605), (187, 67587), (204, 67548), (226, 67485), (240, 67422), (257, 67353), (259, 67347), (260, 67335), (293, 67227), (296, 67218), (300, 67197), (323, 67125), (343, 67047), (346, 67038), (348, 67032), (351, 67023), (359, 67002), (374, 66945), (384, 66915), (400, 66873), (414, 66843), (433, 66789), (439, 66768), (450, 66744), (454, 66735),

Gene: LittleFortune_60 Start: 37582, Stop: 38577, Start Num: 133
Candidate Starts for LittleFortune_60:
(Start: 133 @37582 has 42 MA's), (182, 37702), (187, 37711), (190, 37723), (202, 37756), (204, 37762), (208, 37780), (234, 37891), (255, 37972), (281, 38050), (284, 38062), (321, 38185), (329, 38215), (385, 38386), (393, 38407), (402, 38437), (415, 38470), (434, 38518),

Gene: LittleLaf_98 Start: 57849, Stop: 56779, Start Num: 111
Candidate Starts for LittleLaf_98:
(Start: 86 @57903 has 1 MA's), (93, 57894), (Start: 111 @57849 has 34 MA's), (120, 57834), (130, 57801), (159, 57708), (175, 57675), (184, 57651), (198, 57618), (199, 57615), (200, 57612), (206, 57597), (210, 57585), (219, 57558), (236, 57471), (240, 57459), (250, 57426), (255, 57399), (257, 57393), (260, 57375), (278, 57333), (281, 57318), (292, 57282), (296, 57270), (314, 57192), (318, 57186), (326, 57159), (332, 57138), (351, 57063), (383, 56988), (392, 56967), (395, 56964), (453, 56796), (454, 56793),

Gene: LittleMunchkin_79 Start: 61029, Stop: 60016, Start Num: 114
Candidate Starts for LittleMunchkin_79:
(70, 61110), (92, 61074), (Start: 114 @61029 has 161 MA's), (150, 60933), (164, 60900), (173, 60867), (187, 60858), (209, 60816), (257, 60642), (259, 60636), (260, 60624), (276, 60576), (296, 60504), (300, 60483), (310, 60456), (328, 60393), (338, 60357), (356, 60294), (374, 60231), (375, 60228), (384, 60201), (406, 60135),

Gene: LizLemon_85 Start: 64914, Stop: 63844, Start Num: 114
Candidate Starts for LizLemon_85:
(Start: 114 @64914 has 161 MA's), (Start: 128 @64884 has 1 MA's), (150, 64818), (153, 64809), (164, 64785), (171, 64761), (182, 64737), (257, 64482), (259, 64476), (260, 64464), (272, 64431), (279, 64410), (295, 64353), (296, 64350), (307, 64311), (310, 64302), (319, 64272), (323, 64257), (328, 64239), (335, 64215), (340, 64194), (348, 64164), (355, 64143), (374, 64077), (375, 64074), (384, 64047), (387, 64041), (414, 63966), (421, 63930),

Gene: Lolalove_94 Start: 68796, Stop: 67738, Start Num: 114
Candidate Starts for Lolalove_94:
(Start: 114 @68796 has 161 MA's), (150, 68682), (152, 68676), (164, 68649), (167, 68634), (171, 68625), (187, 68607), (204, 68568), (208, 68550), (226, 68505), (240, 68442), (257, 68373), (260, 68355), (266, 68337), (269, 68325), (272, 68319), (293, 68247), (296, 68238), (300, 68217), (336, 68100), (338, 68091), (343, 68067), (346, 68058), (351, 68043), (359, 68022), (374, 67965), (384, 67935), (400, 67893), (405, 67872), (433, 67797), (439, 67776), (451, 67749), (454, 67743),

Gene: Losacky_52 Start: 31187, Stop: 32239, Start Num: 82
Candidate Starts for Losacky_52:
(Start: 82 @31187 has 16 MA's), (Start: 105 @31229 has 1 MA's), (150, 31325), (167, 31373), (217, 31463), (257, 31622), (259, 31628), (263, 31643), (280, 31685), (289, 31724), (340, 31898), (371, 32006), (414, 32126), (431, 32168), (455, 32228),

Gene: LuckyBarnes_34 Start: 31205, Stop: 30204, Start Num: 114
Candidate Starts for LuckyBarnes_34:
(71, 31289), (Start: 114 @31205 has 161 MA's), (208, 30989), (227, 30938), (254, 30821), (257, 30809), (287, 30710), (300, 30668), (312, 30635), (340, 30530), (349, 30497), (365, 30443), (371, 30422), (374, 30413), (396, 30362), (400, 30341), (408, 30311), (424, 30278), (449, 30221), (454, 30209),

Gene: Lucretia_58 Start: 37240, Stop: 38235, Start Num: 133
Candidate Starts for Lucretia_58:
(Start: 133 @37240 has 42 MA's), (182, 37360), (187, 37369), (190, 37381), (202, 37414), (204, 37420), (208, 37438), (234, 37549), (255, 37630), (281, 37708), (284, 37720), (321, 37843), (329, 37873), (385, 38044), (393, 38065), (402, 38095), (415, 38128), (434, 38176),

Gene: LukeCage_2 Start: 2214, Stop: 1213, Start Num: 116
Candidate Starts for LukeCage_2:
(Start: 42 @2358 has 7 MA's), (58, 2319), (65, 2304), (Start: 74 @2289 has 2 MA's), (Start: 85 @2271 has 17 MA's), (Start: 116 @2214 has 134 MA's), (156, 2103), (169, 2064), (172, 2055), (203, 2016), (260, 1824), (276, 1794), (279, 1782), (286, 1746), (296, 1722), (306, 1683), (312, 1665), (321, 1635), (338, 1572), (342, 1554), (351, 1524), (375, 1440), (396, 1380), (409, 1332), (420, 1314),

Gene: LukeCage_265 Start: 123118, Stop: 122117, Start Num: 116
Candidate Starts for LukeCage_265:

(Start: 42 @123262 has 7 MA's), (58, 123223), (65, 123208), (Start: 74 @123193 has 2 MA's), (Start: 85 @123175 has 17 MA's), (Start: 116 @123118 has 134 MA's), (156, 123007), (169, 122968), (172, 122959), (203, 122920), (260, 122728), (276, 122698), (279, 122686), (286, 122650), (296, 122626), (306, 122587), (312, 122569), (321, 122539), (338, 122476), (342, 122458), (351, 122428), (375, 122344), (396, 122284), (409, 122236), (420, 122218),

Gene: Lululemon_249 Start: 123117, Stop: 122104, Start Num: 116
Candidate Starts for Lululemon_249:
(66, 123213), (Start: 116 @123117 has 134 MA's), (156, 123006), (167, 122973), (178, 122946), (187, 122937), (193, 122916), (202, 122901), (227, 122850), (253, 122739), (272, 122685), (296, 122604), (306, 122565), (312, 122547), (321, 122517), (338, 122454), (362, 122370), (367, 122358), (375, 122325), (396, 122265), (409, 122217), (420, 122199), (435, 122160),

Gene: Lululemon_2 Start: 2225, Stop: 1212, Start Num: 116
Candidate Starts for Lululemon_2:
(66, 2321), (Start: 116 @2225 has 134 MA's), (156, 2114), (167, 2081), (178, 2054), (187, 2045), (193, 2024), (202, 2009), (227, 1958), (253, 1847), (272, 1793), (296, 1712), (306, 1673), (312, 1655), (321, 1625), (338, 1562), (362, 1478), (367, 1466), (375, 1433), (396, 1373), (409, 1325), (420, 1307), (435, 1268),

Gene: Madraxi_52 Start: 37049, Stop: 35973, Start Num: 108
Candidate Starts for Madraxi_52:
(Start: 108 @37049 has 2 MA's), (Start: 111 @37040 has 34 MA's), (130, 36992), (181, 36863), (224, 36737), (257, 36596), (299, 36458), (364, 36233), (385, 36173), (415, 36089), (444, 36005), (453, 35984),

Gene: Madruga_59 Start: 43183, Stop: 44487, Start Num: 107
Candidate Starts for Madruga_59:
(64, 43111), (Start: 107 @43183 has 4 MA's), (155, 43327), (180, 43384), (228, 43531), (236, 43564), (247, 43600), (251, 43618), (257, 43648), (277, 43705), (280, 43714), (284, 43735), (287, 43750), (296, 43771), (299, 43786), (328, 43891), (335, 43915), (340, 43936), (353, 43984), (354, 43987), (357, 43996), (385, 44119), (404, 44194), (413, 44212), (416, 44230), (417, 44233), (440, 44302), (462, 44362),

Gene: Magpie_88 Start: 68610, Stop: 67552, Start Num: 114
Candidate Starts for Magpie_88:
(Start: 114 @68610 has 161 MA's), (131, 68556), (150, 68496), (152, 68490), (164, 68463), (167, 68448), (171, 68439), (187, 68421), (204, 68382), (208, 68364), (226, 68319), (240, 68256), (257, 68187), (260, 68169), (266, 68151), (272, 68133), (293, 68061), (296, 68052), (300, 68031), (321, 67968), (336, 67914), (338, 67905), (343, 67881), (346, 67872), (351, 67857), (359, 67836), (374, 67779), (384, 67749), (398, 67719), (400, 67707), (405, 67686), (433, 67611), (439, 67590), (451, 67563), (454, 67557),

Gene: Magritte_144 Start: 88480, Stop: 89481, Start Num: 114
Candidate Starts for Magritte_144:
(Start: 114 @88480 has 161 MA's), (145, 88561), (157, 88594), (207, 88711), (209, 88717), (217, 88732), (238, 88816), (240, 88822), (254, 88879), (255, 88885), (257, 88891), (286, 88984), (289, 88990), (318, 89083), (321, 89092), (328, 89119), (359, 89224), (371, 89272), (374, 89281),

Gene: Makar_1 Start: 1, Stop: 1032, Start Num: 109
Candidate Starts for Makar_1:
(Start: 109 @1 has 7 MA's), (150, 97), (171, 154), (191, 199), (254, 406), (257, 418), (259, 424), (277, 481), (287, 526), (340, 703), (351, 745), (354, 754), (355, 757), (361, 778),

Gene: MakoManhole_76 Start: 58357, Stop: 57338, Start Num: 114
Candidate Starts for MakoManhole_76:
(Start: 69 @58435 has 1 MA's), (Start: 74 @58426 has 2 MA's), (91, 58399), (Start: 114 @58357 has 161 MA's), (150, 58261), (164, 58228), (171, 58204), (173, 58195), (191, 58171), (204, 58153), (209, 58132), (251, 57985), (255, 57961), (257, 57955), (260, 57937), (279, 57883), (286, 57847), (300, 57802), (316, 57751), (348, 57637), (375, 57547), (384, 57520), (387, 57514), (431, 57403),

Gene: Margaery_54 Start: 37699, Stop: 38700, Start Num: 127
Candidate Starts for Margaery_54:
(Start: 127 @37699 has 37 MA's), (137, 37747), (144, 37771), (163, 37813), (217, 37915), (229, 37978), (233, 37993), (243, 38029), (245, 38035), (246, 38038), (256, 38086), (303, 38245), (337, 38368), (340, 38380), (343, 38395), (366, 38455), (371, 38470), (389, 38524), (427, 38635), (450, 38692),

Gene: Mariel_51 Start: 31394, Stop: 32446, Start Num: 82
Candidate Starts for Mariel_51:
(Start: 82 @31394 has 16 MA's), (Start: 105 @31436 has 1 MA's), (150, 31532), (167, 31580), (204, 31634), (217, 31670), (257, 31829), (259, 31835), (261, 31847), (280, 31892), (287, 31928), (289, 31931), (321, 32033), (340, 32105), (371, 32213), (414, 32333), (431, 32375), (455, 32435),

Gene: Mariokart_76 Start: 58166, Stop: 57159, Start Num: 114
Candidate Starts for Mariokart_76:
(23, 58379), (29, 58334), (65, 58250), (Start: 69 @58244 has 1 MA's), (91, 58208), (Start: 114 @58166 has 161 MA's), (150, 58070), (164, 58037), (167, 58022), (187, 57995), (194, 57971), (207, 57956), (251, 57806), (255, 57782), (257, 57776), (260, 57758), (279, 57704), (289, 57662), (293, 57653), (300, 57623), (316, 57572), (340, 57488), (348, 57458), (369, 57389), (374, 57371), (375, 57368), (387, 57335), (400, 57299),

Gene: Marley1013_95 Start: 67451, Stop: 66339, Start Num: 85
Candidate Starts for Marley1013_95:
(30, 67571), (Start: 42 @67541 has 7 MA's), (Start: 85 @67451 has 17 MA's), (Start: 114 @67397 has 161 MA's), (Start: 128 @67367 has 1 MA's), (150, 67283), (164, 67250), (200, 67178), (226, 67106), (244, 67025), (255, 66980), (257, 66974), (259, 66968), (260, 66956), (272, 66920), (300, 66818), (307, 66800), (321, 66755), (340, 66683), (343, 66668), (352, 66641), (355, 66632), (370, 66575), (400, 66491), (406, 66467), (419, 66437),

Gene: Marlia_97 Start: 66959, Stop: 65901, Start Num: 114
Candidate Starts for Marlia_97:
(30, 67133), (Start: 42 @67103 has 7 MA's), (Start: 85 @67013 has 17 MA's), (Start: 114 @66959 has 161 MA's), (Start: 128 @66929 has 1 MA's), (150, 66845), (164, 66812), (200, 66740), (226, 66668), (244, 66587), (255, 66542), (257, 66536), (259, 66530), (260, 66518), (272, 66482), (300, 66380), (307, 66362), (321, 66317), (340, 66245), (343, 66230), (352, 66203), (355, 66194), (370, 66137), (400, 66053), (406, 66029), (419, 65999),

Gene: Marsus_259 Start: 125936, Stop: 124920, Start Num: 116
Candidate Starts for Marsus_259:
(110, 125948), (Start: 116 @125936 has 134 MA's), (145, 125855), (156, 125825), (172, 125777), (177, 125768), (178, 125765), (186, 125759), (202, 125720), (227, 125666), (253, 125555), (272, 125501), (296, 125420), (306, 125381), (312, 125363), (321, 125333), (338, 125270), (367, 125174), (375, 125141), (396, 125081), (409, 125033), (420, 125015), (436, 124973),

Gene: Marsus_2 Start: 2232, Stop: 1216, Start Num: 116

Candidate Starts for Marsus_2:
(110, 2244), (Start: 116 @2232 has 134 MA's), (145, 2151), (156, 2121), (172, 2073), (177, 2064), (178, 2061), (186, 2055), (202, 2016), (227, 1962), (253, 1851), (272, 1797), (296, 1716), (306, 1677), (312, 1659), (321, 1629), (338, 1566), (367, 1470), (375, 1437), (396, 1377), (409, 1329), (420, 1311), (436, 1269),

Gene: Martha_76 Start: 50549, Stop: 49554, Start Num: 121
Candidate Starts for Martha_76:
(Start: 121 @50549 has 22 MA's), (157, 50456), (189, 50393), (196, 50375), (251, 50195), (255, 50171), (257, 50165), (260, 50147), (262, 50144), (286, 50069), (302, 50018), (340, 49889), (343, 49874), (355, 49838), (365, 49805), (429, 49622),

Gene: Maruru_95 Start: 58384, Stop: 57389, Start Num: 114
Candidate Starts for Maruru_95:
(Start: 114 @58384 has 161 MA's), (150, 58288), (157, 58270), (172, 58225), (173, 58222), (254, 58003), (257, 57991), (260, 57973), (262, 57970), (321, 57787), (340, 57715), (355, 57664), (368, 57613), (375, 57589), (377, 57583), (400, 57520), (402, 57508),

Gene: Marvin_94 Start: 57642, Stop: 56572, Start Num: 111
Candidate Starts for Marvin_94:
(Start: 86 @57696 has 1 MA's), (93, 57687), (Start: 111 @57642 has 34 MA's), (120, 57627), (130, 57594), (159, 57501), (175, 57468), (184, 57444), (198, 57411), (199, 57408), (200, 57405), (206, 57390), (210, 57378), (219, 57351), (236, 57264), (240, 57252), (250, 57219), (255, 57192), (257, 57186), (260, 57168), (278, 57126), (281, 57111), (292, 57075), (296, 57063), (314, 56985), (318, 56979), (326, 56952), (332, 56931), (351, 56856), (383, 56781), (392, 56760), (395, 56757), (453, 56589), (454, 56586),

Gene: MasterPo_86 Start: 64783, Stop: 63713, Start Num: 114
Candidate Starts for MasterPo_86:
(28, 64978), (Start: 114 @64783 has 161 MA's), (Start: 128 @64753 has 1 MA's), (150, 64687), (153, 64678), (164, 64654), (171, 64630), (182, 64606), (257, 64351), (259, 64345), (260, 64333), (272, 64300), (279, 64279), (295, 64222), (296, 64219), (307, 64180), (319, 64141), (323, 64126), (328, 64108), (335, 64084), (340, 64063), (348, 64033), (355, 64012), (374, 63946), (375, 63943), (384, 63916), (387, 63910), (414, 63835), (421, 63799),

Gene: Matzah_57 Start: 38560, Stop: 39561, Start Num: 127
Candidate Starts for Matzah_57:
(Start: 127 @38560 has 37 MA's), (137, 38608), (144, 38632), (163, 38674), (217, 38776), (226, 38815), (233, 38854), (243, 38890), (245, 38896), (246, 38899), (256, 38947), (303, 39106), (337, 39229), (340, 39241), (343, 39256), (366, 39316), (371, 39331), (389, 39385), (427, 39496),

Gene: Maupel_221 Start: 106326, Stop: 107348, Start Num: 113
Candidate Starts for Maupel_221:
(Start: 113 @106326 has 18 MA's), (Start: 128 @106356 has 1 MA's), (156, 106437), (164, 106455), (187, 106497), (192, 106515), (203, 106533), (258, 106713), (278, 106776), (285, 106809), (289, 106821), (291, 106824), (295, 106836), (316, 106911), (338, 106986), (343, 107010), (344, 107016), (353, 107040), (371, 107103), (449, 107325), (456, 107340),

Gene: Mazun_18 Start: 12571, Stop: 11567, Start Num: 127
Candidate Starts for Mazun_18:
(Start: 127 @12571 has 37 MA's), (174, 12442), (220, 12346), (233, 12277), (235, 12268), (254, 12193), (296, 12055), (321, 11962), (340, 11890), (343, 11875), (347, 11860), (357, 11830), (375, 11785), (420, 11653), (436, 11614), (451, 11572),

Gene: Megan_56 Start: 41734, Stop: 42738, Start Num: 127
Candidate Starts for Megan_56:
(Start: 127 @41734 has 37 MA's), (132, 41764), (135, 41773), (137, 41782), (144, 41806), (162, 41845), (163, 41848), (217, 41950), (241, 42058), (246, 42076), (256, 42124), (278, 42190), (296, 42253), (300, 42274), (301, 42277), (311, 42313), (315, 42334), (340, 42418), (343, 42433), (349, 42454), (366, 42493), (371, 42508), (380, 42541), (382, 42544), (389, 42562), (403, 42601), (415, 42631), (441, 42709),

Gene: MeganTheeKilla_223 Start: 107197, Stop: 108219, Start Num: 113
Candidate Starts for MeganTheeKilla_223:
(Start: 113 @107197 has 18 MA's), (Start: 128 @107227 has 1 MA's), (156, 107308), (164, 107326), (187, 107368), (203, 107404), (258, 107584), (278, 107647), (285, 107680), (289, 107692), (291, 107695), (295, 107707), (316, 107782), (338, 107857), (343, 107881), (353, 107911), (371, 107974), (449, 108196),

Gene: Megatron06_55 Start: 43265, Stop: 44476, Start Num: 75
Candidate Starts for Megatron06_55:
(Start: 63 @43247 has 2 MA's), (Start: 75 @43265 has 7 MA's), (103, 43310), (106, 43319), (187, 43529), (226, 43658), (229, 43679), (237, 43712), (240, 43721), (255, 43787), (257, 43793), (260, 43811), (277, 43850), (292, 43904), (312, 43979), (314, 43994), (321, 44009), (326, 44027), (335, 44060), (360, 44156), (438, 44375), (439, 44378), (443, 44387), (462, 44441),

Gene: MementoMori_56 Start: 38139, Stop: 39140, Start Num: 127
Candidate Starts for MementoMori_56:
(Start: 127 @38139 has 37 MA's), (137, 38187), (144, 38211), (163, 38253), (185, 38295), (217, 38355), (226, 38394), (229, 38418), (233, 38433), (243, 38469), (245, 38475), (246, 38478), (256, 38526), (303, 38685), (337, 38808), (340, 38820), (343, 38835), (366, 38895), (371, 38910), (389, 38964),

Gene: MenE_52 Start: 31078, Stop: 32130, Start Num: 82
Candidate Starts for MenE_52:
(Start: 82 @31078 has 16 MA's), (Start: 105 @31120 has 1 MA's), (150, 31216), (167, 31264), (217, 31354), (257, 31513), (259, 31519), (263, 31534), (280, 31576), (289, 31615), (340, 31789), (371, 31897), (414, 32017), (431, 32059), (455, 32119),

Gene: Merry_ Start: 39138, Stop: 40133, Start Num: 133
Candidate Starts for Merry_:
(26, 38865), (46, 38931), (61, 38970), (Start: 133 @39138 has 42 MA's), (187, 39267), (190, 39279), (198, 39303), (202, 39312), (204, 39318), (221, 39378), (224, 39393), (234, 39447), (242, 39480), (255, 39528), (270, 39570), (281, 39606), (284, 39618), (296, 39654), (312, 39711), (321, 39741), (323, 39750), (330, 39774), (385, 39942), (402, 39993), (407, 40005), (434, 40074),

Gene: Metamorphoo_61 Start: 38510, Stop: 39505, Start Num: 133
Candidate Starts for Metamorphoo_61:
(Start: 133 @38510 has 42 MA's), (182, 38630), (187, 38639), (190, 38651), (202, 38684), (204, 38690), (208, 38708), (224, 38765), (234, 38819), (270, 38942), (281, 38978), (284, 38990), (321, 39113), (343, 39203), (385, 39314), (393, 39335), (407, 39377), (415, 39398), (434, 39446),

Gene: Mildred21_266 Start: 123620, Stop: 122598, Start Num: 116
Candidate Starts for Mildred21_266:
(Start: 116 @123620 has 134 MA's), (156, 123509), (172, 123461), (178, 123449), (186, 123443), (202, 123404), (227, 123350), (253, 123239), (272, 123185), (284, 123140), (293, 123113), (312,

123047), (321, 123017), (338, 122954), (367, 122858), (375, 122825), (409, 122717),

Gene: Mildred21_3 Start: 2462, Stop: 1440, Start Num: 116
Candidate Starts for Mildred21_3:
(Start: 116 @2462 has 134 MA's), (156, 2351), (172, 2303), (178, 2291), (186, 2285), (202, 2246), (227, 2192), (253, 2081), (272, 2027), (284, 1982), (293, 1955), (312, 1889), (321, 1859), (338, 1796), (367, 1700), (375, 1667), (409, 1559),

Gene: Mimi_175 Start: 115674, Stop: 116648, Start Num: 114
Candidate Starts for Mimi_175:
(Start: 114 @115674 has 161 MA's), (130, 115716), (255, 116055), (278, 116118), (287, 116160), (304, 116214), (328, 116292), (375, 116436), (384, 116463), (386, 116469), (439, 116607),

Gene: MindFlayer_2 Start: 2261, Stop: 1221, Start Num: 96
Candidate Starts for MindFlayer_2:
(Start: 96 @2261 has 21 MA's), (Start: 116 @2216 has 134 MA's), (156, 2105), (167, 2072), (187, 2039), (199, 2027), (203, 2018), (227, 1970), (229, 1952), (230, 1949), (272, 1805), (276, 1796), (285, 1754), (296, 1724), (306, 1685), (312, 1667), (321, 1637), (338, 1574), (375, 1442), (396, 1382), (409, 1334), (435, 1277), (449, 1241),

Gene: MindFlayer_254 Start: 120321, Stop: 119281, Start Num: 96
Candidate Starts for MindFlayer_254:
(Start: 96 @120321 has 21 MA's), (Start: 116 @120276 has 134 MA's), (156, 120165), (167, 120132), (187, 120099), (199, 120087), (203, 120078), (227, 120030), (229, 120012), (230, 120009), (272, 119865), (276, 119856), (285, 119814), (296, 119784), (306, 119745), (312, 119727), (321, 119697), (338, 119634), (375, 119502), (396, 119442), (409, 119394), (435, 119337), (449, 119301),

Gene: Minnow_94 Start: 68881, Stop: 67820, Start Num: 114
Candidate Starts for Minnow_94:
(70, 68962), (Start: 114 @68881 has 161 MA's), (Start: 128 @68851 has 1 MA's), (150, 68767), (164, 68734), (171, 68710), (187, 68692), (193, 68674), (208, 68629), (209, 68626), (226, 68584), (240, 68521), (257, 68452), (259, 68446), (260, 68434), (266, 68416), (293, 68326), (296, 68317), (300, 68296), (310, 68269), (323, 68224), (343, 68146), (384, 68014), (405, 67951), (433, 67879),

Gene: Mithril_90 Start: 68622, Stop: 67564, Start Num: 114
Candidate Starts for Mithril_90:
(Start: 114 @68622 has 161 MA's), (150, 68508), (152, 68502), (164, 68475), (167, 68460), (171, 68451), (187, 68433), (204, 68394), (208, 68376), (226, 68331), (240, 68268), (257, 68199), (260, 68181), (266, 68163), (272, 68145), (293, 68073), (296, 68064), (300, 68043), (336, 67926), (338, 67917), (343, 67893), (346, 67884), (351, 67869), (359, 67848), (374, 67791), (384, 67761), (398, 67731), (400, 67719), (405, 67698), (433, 67623), (439, 67602), (451, 67575), (454, 67569),

Gene: MmasiCarm_98 Start: 67294, Stop: 66236, Start Num: 114
Candidate Starts for MmasiCarm_98:
(30, 67468), (Start: 42 @67438 has 7 MA's), (Start: 85 @67348 has 17 MA's), (Start: 114 @67294 has 161 MA's), (Start: 128 @67264 has 1 MA's), (150, 67180), (164, 67147), (200, 67075), (226, 67003), (244, 66922), (255, 66877), (257, 66871), (259, 66865), (260, 66853), (272, 66817), (300, 66715), (307, 66697), (321, 66652), (340, 66580), (343, 66565), (352, 66538), (355, 66529), (370, 66472), (400, 66388), (406, 66364), (419, 66334),

Gene: Moab_220 Start: 109307, Stop: 110329, Start Num: 112
Candidate Starts for Moab_220:

(Start: 112 @109307 has 9 MA's), (Start: 128 @109337 has 1 MA's), (140, 109379), (156, 109418), (164, 109436), (187, 109478), (192, 109496), (203, 109514), (258, 109694), (262, 109712), (278, 109757), (285, 109790), (286, 109796), (289, 109802), (316, 109892), (338, 109967), (343, 109991), (353, 110021), (371, 110084), (449, 110303),

Gene: Moleficent_18 Start: 12566, Stop: 11562, Start Num: 127
Candidate Starts for Moleficent_18:
(Start: 127 @12566 has 37 MA's), (174, 12437), (220, 12341), (233, 12272), (235, 12263), (254, 12188), (296, 12050), (321, 11957), (340, 11885), (343, 11870), (347, 11855), (351, 11843), (357, 11825), (375, 11780), (420, 11648), (436, 11609), (451, 11567),

Gene: MontyDev_62 Start: 44363, Stop: 45559, Start Num: 72
Candidate Starts for MontyDev_62:
(Start: 72 @44363 has 13 MA's), (81, 44378), (Start: 112 @44444 has 9 MA's), (120, 44453), (142, 44534), (148, 44555), (154, 44570), (166, 44597), (192, 44657), (199, 44678), (209, 44711), (234, 44822), (235, 44828), (239, 44840), (251, 44879), (257, 44909), (270, 44948), (294, 45026), (296, 45032), (299, 45047), (336, 45185), (343, 45218), (350, 45242), (385, 45335), (391, 45353), (402, 45386), (434, 45470), (439, 45491), (445, 45506), (453, 45524), (454, 45527), (456, 45533), (458, 45542), (459, 45545),

Gene: Morrill_17 Start: 12308, Stop: 11304, Start Num: 127
Candidate Starts for Morrill_17:
(Start: 127 @12308 has 37 MA's), (174, 12179), (220, 12083), (233, 12014), (235, 12005), (256, 11921), (296, 11792), (321, 11699), (340, 11627), (343, 11612), (347, 11597), (357, 11567), (375, 11522), (420, 11390), (436, 11351), (451, 11309),

Gene: Mortcellus_97 Start: 68032, Stop: 66974, Start Num: 114
Candidate Starts for Mortcellus_97:
(30, 68206), (Start: 42 @68176 has 7 MA's), (Start: 85 @68086 has 17 MA's), (Start: 114 @68032 has 161 MA's), (Start: 128 @68002 has 1 MA's), (150, 67918), (164, 67885), (200, 67813), (226, 67741), (244, 67660), (255, 67615), (257, 67609), (259, 67603), (260, 67591), (272, 67555), (300, 67453), (307, 67435), (321, 67390), (340, 67318), (343, 67303), (352, 67276), (355, 67267), (370, 67210), (400, 67126), (406, 67102), (419, 67072),

Gene: Morty007_95 Start: 67664, Stop: 66606, Start Num: 114
Candidate Starts for Morty007_95:
(30, 67838), (Start: 42 @67808 has 7 MA's), (Start: 85 @67718 has 17 MA's), (Start: 114 @67664 has 161 MA's), (Start: 128 @67634 has 1 MA's), (150, 67550), (164, 67517), (200, 67445), (226, 67373), (244, 67292), (255, 67247), (257, 67241), (259, 67235), (260, 67223), (272, 67187), (300, 67085), (307, 67067), (321, 67022), (340, 66950), (343, 66935), (352, 66908), (355, 66899), (370, 66842), (400, 66758), (406, 66734), (419, 66704),

Gene: MosMoris_96 Start: 57992, Stop: 56922, Start Num: 111
Candidate Starts for MosMoris_96:
(Start: 76 @58064 has 6 MA's), (Start: 78 @58061 has 1 MA's), (Start: 82 @58055 has 16 MA's), (Start: 111 @57992 has 34 MA's), (120, 57977), (130, 57944), (159, 57851), (175, 57818), (184, 57794), (198, 57761), (199, 57758), (200, 57755), (206, 57740), (210, 57728), (219, 57701), (236, 57614), (240, 57602), (250, 57569), (255, 57542), (257, 57536), (260, 57518), (278, 57476), (281, 57461), (292, 57425), (296, 57413), (314, 57335), (318, 57329), (326, 57302), (332, 57281), (351, 57206), (383, 57131), (392, 57110), (395, 57107), (453, 56939), (454, 56936),

Gene: MossRose_79 Start: 59268, Stop: 58249, Start Num: 114
Candidate Starts for MossRose_79:

(Start: 33 @59424 has 1 MA's), (Start: 69 @59346 has 1 MA's), (91, 59310), (Start: 114 @59268 has 161 MA's), (150, 59172), (164, 59139), (171, 59115), (173, 59106), (191, 59082), (204, 59064), (209, 59043), (251, 58896), (255, 58872), (257, 58866), (260, 58848), (279, 58794), (286, 58758), (300, 58713), (316, 58662), (348, 58548), (375, 58458), (384, 58431), (387, 58425), (431, 58314),

Gene: MrMagoo_166 Start: 78537, Stop: 77464, Start Num: 122
Candidate Starts for MrMagoo_166:
(Start: 86 @78609 has 1 MA's), (102, 78582), (Start: 122 @78537 has 14 MA's), (158, 78423), (172, 78393), (199, 78333), (220, 78270), (225, 78246), (236, 78186), (260, 78090), (278, 78048), (298, 77973), (313, 77910), (317, 77901), (319, 77892), (323, 77877), (335, 77835), (340, 77814), (343, 77799), (350, 77775), (351, 77772), (391, 77667), (402, 77634), (407, 77622), (418, 77592), (425, 77565), (453, 77496), (456, 77487), (458, 77478),

Gene: MrMiyagi_53 Start: 38517, Stop: 39650, Start Num: 72
Candidate Starts for MrMiyagi_53:
(Start: 72 @38517 has 13 MA's), (95, 38556), (106, 38583), (125, 38625), (Start: 133 @38667 has 42 MA's), (143, 38703), (148, 38718), (183, 38781), (218, 38859), (234, 38910), (240, 38931), (252, 38979), (257, 38997), (259, 39003), (270, 39036), (274, 39045), (296, 39120), (300, 39141), (302, 39147), (317, 39204), (336, 39273), (338, 39282), (343, 39306), (355, 39345), (357, 39351), (372, 39390), (381, 39420), (391, 39447), (394, 39450), (397, 39459), (401, 39474), (422, 39537), (427, 39549), (433, 39558), (447, 39600), (458, 39633), (459, 39636),

Gene: Mudslide_93 Start: 69027, Stop: 67969, Start Num: 114
Candidate Starts for Mudslide_93:
(Start: 114 @69027 has 161 MA's), (131, 68973), (150, 68913), (152, 68907), (164, 68880), (167, 68865), (171, 68856), (187, 68838), (204, 68799), (208, 68781), (226, 68736), (240, 68673), (257, 68604), (260, 68586), (266, 68568), (269, 68556), (272, 68550), (293, 68478), (296, 68469), (300, 68448), (336, 68331), (338, 68322), (343, 68298), (346, 68289), (351, 68274), (359, 68253), (374, 68196), (384, 68166), (400, 68124), (405, 68103), (433, 68028), (439, 68007), (451, 67980), (454, 67974),

Gene: Mufasa8_100 Start: 59050, Stop: 58061, Start Num: 114
Candidate Starts for Mufasa8_100:
(Start: 114 @59050 has 161 MA's), (234, 58750), (240, 58729), (254, 58672), (255, 58666), (257, 58660), (259, 58654), (260, 58642), (269, 58627), (309, 58495), (340, 58384), (358, 58330), (375, 58264), (416, 58144),

Gene: Mugiwara_269 Start: 123586, Stop: 122585, Start Num: 116
Candidate Starts for Mugiwara_269:
(Start: 42 @123730 has 7 MA's), (58, 123691), (65, 123676), (Start: 74 @123661 has 2 MA's), (Start: 85 @123643 has 17 MA's), (Start: 116 @123586 has 134 MA's), (156, 123475), (199, 123397), (203, 123388), (227, 123340), (229, 123322), (260, 123196), (264, 123190), (276, 123166), (279, 123154), (285, 123124), (296, 123094), (306, 123055), (312, 123037), (321, 123007), (338, 122944), (375, 122812), (396, 122752), (409, 122704), (435, 122647), (453, 122602),

Gene: Mugiwara_2 Start: 2345, Stop: 1200, Start Num: 42
Candidate Starts for Mugiwara_2:
(Start: 42 @2345 has 7 MA's), (58, 2306), (65, 2291), (Start: 74 @2276 has 2 MA's), (Start: 85 @2258 has 17 MA's), (Start: 116 @2201 has 134 MA's), (156, 2090), (199, 2012), (203, 2003), (227, 1955), (229, 1937), (260, 1811), (264, 1805), (276, 1781), (279, 1769), (285, 1739), (296, 1709), (306, 1670), (312, 1652), (321, 1622), (338, 1559), (375, 1427), (396, 1367), (409, 1319), (435, 1262), (453, 1217),

Gene: Mulaychimus_98 Start: 67473, Stop: 66415, Start Num: 114

Candidate Starts for Mulaychimus_98:
(30, 67647), (Start: 42 @67617 has 7 MA's), (Start: 85 @67527 has 17 MA's), (Start: 114 @67473 has 161 MA's), (Start: 128 @67443 has 1 MA's), (150, 67359), (164, 67326), (200, 67254), (226, 67182), (244, 67101), (255, 67056), (257, 67050), (259, 67044), (260, 67032), (272, 66996), (300, 66894), (307, 66876), (321, 66831), (340, 66759), (343, 66744), (352, 66717), (355, 66708), (370, 66651), (400, 66567), (406, 66543), (419, 66513),

Gene: MulchMansion_258 Start: 125252, Stop: 124236, Start Num: 116
Candidate Starts for MulchMansion_258:
(Start: 116 @125252 has 134 MA's), (156, 125141), (172, 125093), (178, 125081), (186, 125075), (202, 125036), (227, 124982), (253, 124871), (272, 124817), (296, 124736), (306, 124697), (312, 124679), (321, 124649), (338, 124586), (367, 124490), (375, 124457), (396, 124397), (409, 124349), (420, 124331), (435, 124292),

Gene: MulchMansion_2 Start: 2274, Stop: 1258, Start Num: 116
Candidate Starts for MulchMansion_2:
(Start: 116 @2274 has 134 MA's), (156, 2163), (172, 2115), (178, 2103), (186, 2097), (202, 2058), (227, 2004), (253, 1893), (272, 1839), (296, 1758), (306, 1719), (312, 1701), (321, 1671), (338, 1608), (367, 1512), (375, 1479), (396, 1419), (409, 1371), (420, 1353), (435, 1314),

Gene: Mysterious_89 Start: 67024, Stop: 65951, Start Num: 114
Candidate Starts for Mysterious_89:
(Start: 114 @67024 has 161 MA's), (150, 66928), (164, 66895), (188, 66853), (197, 66823), (208, 66799), (220, 66772), (225, 66760), (257, 66622), (259, 66616), (260, 66604), (276, 66562), (296, 66490), (323, 66397), (334, 66358), (338, 66343), (341, 66331), (348, 66304), (351, 66295), (355, 66283), (374, 66217), (375, 66214), (377, 66208), (378, 66205), (406, 66121), (408, 66115), (426, 66079), (458, 65998), (460, 65989), (467, 65968),

Gene: NCRodriguez_52 Start: 31148, Stop: 32200, Start Num: 82
Candidate Starts for NCRodriguez_52:
(Start: 82 @31148 has 16 MA's), (Start: 105 @31190 has 1 MA's), (150, 31286), (167, 31334), (217, 31424), (257, 31583), (259, 31589), (263, 31604), (280, 31646), (289, 31685), (293, 31694), (340, 31859), (371, 31967), (414, 32087), (431, 32129), (455, 32189),

Gene: NHagos_76 Start: 57550, Stop: 56543, Start Num: 114
Candidate Starts for NHagos_76:
(Start: 114 @57550 has 161 MA's), (150, 57454), (164, 57421), (194, 57355), (207, 57340), (209, 57334), (251, 57190), (255, 57166), (257, 57160), (260, 57142), (279, 57088), (287, 57049), (300, 57007), (316, 56956), (356, 56818), (375, 56752), (384, 56725), (387, 56719), (408, 56653), (426, 56617),

Gene: Nanao_91 Start: 67687, Stop: 66641, Start Num: 114
Candidate Starts for Nanao_91:
(Start: 114 @67687 has 161 MA's), (131, 67633), (136, 67615), (150, 67573), (164, 67540), (167, 67525), (171, 67516), (187, 67498), (204, 67459), (207, 67444), (226, 67396), (240, 67333), (257, 67264), (259, 67258), (260, 67246), (293, 67138), (296, 67129), (300, 67108), (323, 67036), (343, 66958), (346, 66949), (348, 66943), (351, 66934), (359, 66913), (374, 66856), (384, 66826), (400, 66784), (414, 66754), (433, 66700), (439, 66679), (454, 66646),

Gene: Nandito_75 Start: 46951, Stop: 45953, Start Num: 126
Candidate Starts for Nandito_75:
(Start: 126 @46951 has 6 MA's), (157, 46864), (251, 46606), (254, 46588), (255, 46582), (301, 46432), (302, 46429), (340, 46300), (343, 46285), (346, 46273),

Gene: Nangang_91 Start: 67505, Stop: 66432, Start Num: 114
Candidate Starts for Nangang_91:
(13, 67814), (27, 67700), (35, 67658), (Start: 114 @67505 has 161 MA's), (150, 67409), (164, 67376), (188, 67334), (197, 67304), (217, 67262), (220, 67253), (257, 67103), (259, 67097), (279, 67031), (296, 66971), (323, 66878), (326, 66869), (334, 66839), (338, 66824), (348, 66785), (351, 66776), (355, 66764), (375, 66695), (377, 66689), (378, 66686), (406, 66602), (408, 66596), (426, 66557), (460, 66467), (461, 66464), (466, 66449),

Gene: Nanosmite_163 Start: 77987, Stop: 76914, Start Num: 122
Candidate Starts for Nanosmite_163:
(49, 78134), (56, 78119), (Start: 122 @77987 has 14 MA's), (175, 77837), (199, 77783), (211, 77747), (220, 77720), (236, 77636), (255, 77564), (260, 77540), (298, 77423), (313, 77360), (323, 77327), (335, 77285), (339, 77267), (345, 77240), (391, 77117), (402, 77084), (403, 77081), (407, 77072), (416, 77048), (453, 76946), (456, 76937),

Gene: NathanVaag_72 Start: 49262, Stop: 48258, Start Num: 121
Candidate Starts for NathanVaag_72:
(Start: 94 @49325 has 2 MA's), (Start: 121 @49262 has 22 MA's), (189, 49103), (197, 49082), (204, 49064), (220, 49019), (224, 49010), (228, 48983), (251, 48899), (255, 48875), (257, 48869), (260, 48851), (295, 48752), (302, 48722), (340, 48593), (343, 48578), (410, 48371), (429, 48326), (450, 48272),

Gene: Navo_2 Start: 2214, Stop: 1201, Start Num: 116
Candidate Starts for Navo_2:
(25, 2436), (43, 2364), (57, 2328), (Start: 67 @2307 has 4 MA's), (79, 2289), (Start: 116 @2214 has 134 MA's), (145, 2133), (156, 2103), (178, 2043), (193, 2013), (202, 1998), (203, 1995), (227, 1947), (253, 1836), (272, 1782), (284, 1737), (296, 1701), (306, 1662), (312, 1644), (321, 1614), (367, 1455), (375, 1422), (396, 1362), (409, 1314), (420, 1296), (435, 1257),

Gene: Navo_244 Start: 121839, Stop: 120826, Start Num: 116
Candidate Starts for Navo_244:
(25, 122061), (43, 121989), (57, 121953), (Start: 67 @121932 has 4 MA's), (79, 121914), (Start: 116 @121839 has 134 MA's), (145, 121758), (156, 121728), (178, 121668), (193, 121638), (202, 121623), (203, 121620), (227, 121572), (253, 121461), (272, 121407), (284, 121362), (296, 121326), (306, 121287), (312, 121269), (321, 121239), (367, 121080), (375, 121047), (396, 120987), (409, 120939), (420, 120921), (435, 120882),

Gene: Nehemiah_89 Start: 66891, Stop: 65818, Start Num: 114
Candidate Starts for Nehemiah_89:
(Start: 114 @66891 has 161 MA's), (150, 66795), (164, 66762), (187, 66723), (188, 66720), (197, 66690), (208, 66666), (220, 66639), (225, 66627), (257, 66489), (259, 66483), (260, 66471), (276, 66429), (296, 66357), (323, 66264), (334, 66225), (338, 66210), (341, 66198), (348, 66171), (351, 66162), (355, 66150), (374, 66084), (375, 66081), (377, 66075), (378, 66072), (406, 65988), (408, 65982), (426, 65946), (458, 65865), (460, 65856), (467, 65835),

Gene: Neos5_96 Start: 67264, Stop: 66062, Start Num: 42
Candidate Starts for Neos5_96:
(30, 67294), (Start: 42 @67264 has 7 MA's), (Start: 85 @67174 has 17 MA's), (Start: 114 @67120 has 161 MA's), (Start: 128 @67090 has 1 MA's), (150, 67006), (164, 66973), (200, 66901), (226, 66829), (244, 66748), (255, 66703), (257, 66697), (259, 66691), (260, 66679), (272, 66643), (300, 66541), (307, 66523), (321, 66478), (340, 66406), (343, 66391), (352, 66364), (355, 66355), (370, 66298), (400, 66214), (406, 66190), (419, 66160),

Gene: NiceHouse_208 Start: 114434, Stop: 115474, Start Num: 116
Candidate Starts for NiceHouse_208:
(Start: 116 @114434 has 134 MA's), (145, 114512), (150, 114527), (157, 114545), (177, 114599), (187, 114602), (202, 114638), (224, 114719), (230, 114752), (239, 114785), (272, 114896), (277, 114911), (278, 114914), (296, 114977), (299, 114992), (302, 115004), (316, 115049), (352, 115175), (375, 115259), (399, 115316), (411, 115355), (420, 115376), (444, 115439),

Gene: Nicole72_57 Start: 42240, Stop: 43244, Start Num: 127
Candidate Starts for Nicole72_57:
(Start: 127 @42240 has 37 MA's), (132, 42270), (137, 42288), (144, 42312), (217, 42456), (235, 42543), (245, 42579), (256, 42630), (275, 42684), (278, 42696), (296, 42759), (300, 42780), (311, 42819), (315, 42840), (340, 42924), (343, 42939), (366, 42999), (371, 43014), (385, 43056), (415, 43137), (427, 43179), (437, 43200), (445, 43224),

Gene: Nigel_88 Start: 67148, Stop: 66102, Start Num: 114
Candidate Starts for Nigel_88:
(Start: 114 @67148 has 161 MA's), (150, 67034), (164, 67001), (167, 66986), (171, 66977), (172, 66971), (187, 66959), (204, 66920), (207, 66905), (208, 66902), (226, 66857), (240, 66794), (257, 66725), (259, 66719), (260, 66707), (293, 66599), (296, 66590), (300, 66569), (310, 66542), (323, 66497), (336, 66452), (343, 66419), (346, 66410), (348, 66404), (351, 66395), (359, 66374), (374, 66317), (384, 66287), (398, 66257), (414, 66215), (433, 66161), (439, 66140), (450, 66116), (454, 66107),

Gene: Nilo_63 Start: 44715, Stop: 45911, Start Num: 72
Candidate Starts for Nilo_63:
(Start: 72 @44715 has 13 MA's), (81, 44730), (Start: 112 @44796 has 9 MA's), (120, 44805), (142, 44886), (148, 44907), (154, 44922), (166, 44949), (192, 45009), (199, 45030), (209, 45063), (234, 45174), (235, 45180), (239, 45192), (251, 45231), (257, 45261), (270, 45300), (294, 45378), (296, 45384), (299, 45399), (336, 45537), (343, 45570), (350, 45594), (385, 45687), (391, 45705), (402, 45738), (434, 45822), (439, 45843), (445, 45858), (453, 45876), (454, 45879), (456, 45885), (458, 45894), (459, 45897),

Gene: Nish23_56 Start: 42725, Stop: 43936, Start Num: 75
Candidate Starts for Nish23_56:
(Start: 63 @42707 has 2 MA's), (Start: 75 @42725 has 7 MA's), (89, 42749), (103, 42770), (106, 42779), (151, 42905), (155, 42914), (187, 42989), (226, 43118), (237, 43172), (240, 43181), (255, 43247), (257, 43253), (292, 43364), (312, 43439), (314, 43454), (321, 43469), (326, 43487), (335, 43520), (360, 43616), (430, 43811), (438, 43835), (439, 43838), (443, 43847), (462, 43901), (465, 43910),

Gene: NoodlelyBoi_59 Start: 38103, Stop: 39098, Start Num: 133
Candidate Starts for NoodlelyBoi_59:
(Start: 133 @38103 has 42 MA's), (182, 38223), (187, 38232), (190, 38244), (202, 38277), (204, 38283), (208, 38301), (234, 38412), (255, 38493), (270, 38535), (281, 38571), (284, 38583), (321, 38706), (329, 38736), (385, 38907), (393, 38928), (407, 38970), (415, 38991), (434, 39039),

Gene: NootNoot_3 Start: 2427, Stop: 1414, Start Num: 116
Candidate Starts for NootNoot_3:
(43, 2577), (57, 2541), (Start: 67 @2520 has 4 MA's), (79, 2502), (Start: 116 @2427 has 134 MA's), (145, 2346), (156, 2316), (178, 2256), (193, 2226), (202, 2211), (203, 2208), (227, 2160), (253, 2049), (272, 1995), (284, 1950), (296, 1914), (306, 1875), (312, 1857), (321, 1827), (367, 1668), (375, 1635), (396, 1575), (409, 1527), (420, 1509), (435, 1470),

Gene: NootNoot_248 Start: 122726, Stop: 121713, Start Num: 116
Candidate Starts for NootNoot_248:
(43, 122876), (57, 122840), (Start: 67 @122819 has 4 MA's), (79, 122801), (Start: 116 @122726 has 134 MA's), (145, 122645), (156, 122615), (178, 122555), (193, 122525), (202, 122510), (203, 122507), (227, 122459), (253, 122348), (272, 122294), (284, 122249), (296, 122213), (306, 122174), (312, 122156), (321, 122126), (367, 121967), (375, 121934), (396, 121874), (409, 121826), (420, 121808), (435, 121769),

Gene: Nostromo_71 Start: 47502, Stop: 46501, Start Num: 121
Candidate Starts for Nostromo_71:
(Start: 121 @47502 has 22 MA's), (157, 47409), (167, 47379), (188, 47349), (197, 47325), (204, 47307), (224, 47253), (251, 47142), (255, 47118), (257, 47112), (295, 46995), (302, 46965), (312, 46938), (343, 46821), (400, 46647), (429, 46569), (439, 46542), (449, 46518), (453, 46509),

Gene: Nova53_207 Start: 111289, Stop: 112311, Start Num: 113
Candidate Starts for Nova53_207:
(Start: 113 @111289 has 18 MA's), (222, 111562), (227, 111580), (255, 111691), (276, 111754), (278, 111763), (289, 111808), (295, 111823), (300, 111847), (305, 111862), (328, 111937), (340, 111982), (449, 112288),

Gene: Nozo_97 Start: 67727, Stop: 66615, Start Num: 85
Candidate Starts for Nozo_97:
(30, 67847), (Start: 42 @67817 has 7 MA's), (Start: 85 @67727 has 17 MA's), (Start: 114 @67673 has 161 MA's), (Start: 128 @67643 has 1 MA's), (150, 67559), (164, 67526), (200, 67454), (226, 67382), (244, 67301), (255, 67256), (257, 67250), (259, 67244), (260, 67232), (264, 67226), (272, 67196), (300, 67094), (307, 67076), (321, 67031), (340, 66959), (343, 66944), (352, 66917), (355, 66908), (370, 66851), (400, 66767), (406, 66743), (419, 66713),

Gene: Oaker_53 Start: 42980, Stop: 44191, Start Num: 75
Candidate Starts for Oaker_53:
(Start: 63 @42962 has 2 MA's), (Start: 75 @42980 has 7 MA's), (103, 43025), (106, 43034), (187, 43244), (226, 43373), (229, 43394), (237, 43427), (240, 43436), (255, 43502), (257, 43508), (260, 43526), (277, 43565), (299, 43646), (312, 43694), (321, 43724), (335, 43775), (360, 43871), (438, 44090), (439, 44093), (443, 44102), (462, 44156),

Gene: Obutu_99 Start: 67477, Stop: 66419, Start Num: 114
Candidate Starts for Obutu_99:
(30, 67651), (Start: 42 @67621 has 7 MA's), (Start: 85 @67531 has 17 MA's), (Start: 114 @67477 has 161 MA's), (Start: 128 @67447 has 1 MA's), (150, 67363), (164, 67330), (200, 67258), (226, 67186), (244, 67105), (255, 67060), (257, 67054), (259, 67048), (260, 67036), (272, 67000), (300, 66898), (307, 66880), (321, 66835), (340, 66763), (343, 66748), (352, 66721), (355, 66712), (370, 66655), (400, 66571), (406, 66547), (419, 66517),

Gene: Olivio_97 Start: 67113, Stop: 66055, Start Num: 114
Candidate Starts for Olivio_97:
(30, 67287), (Start: 42 @67257 has 7 MA's), (Start: 85 @67167 has 17 MA's), (Start: 114 @67113 has 161 MA's), (Start: 128 @67083 has 1 MA's), (150, 66999), (164, 66966), (200, 66894), (226, 66822), (244, 66741), (255, 66696), (257, 66690), (259, 66684), (260, 66672), (272, 66636), (300, 66534), (307, 66516), (321, 66471), (340, 66399), (343, 66384), (352, 66357), (355, 66348), (370, 66291), (400, 66207), (406, 66183), (419, 66153),

Gene: Onika_57 Start: 37301, Stop: 38296, Start Num: 133

Candidate Starts for Onika_57:
(Start: 133 @37301 has 42 MA's), (182, 37421), (187, 37430), (190, 37442), (202, 37475), (204, 37481), (208, 37499), (234, 37610), (255, 37691), (281, 37769), (284, 37781), (321, 37904), (329, 37934), (385, 38105), (393, 38126), (402, 38156), (415, 38189), (434, 38237),

Gene: Opia_86 Start: 64807, Stop: 63737, Start Num: 114
Candidate Starts for Opia_86:
(Start: 114 @64807 has 161 MA's), (Start: 128 @64777 has 1 MA's), (150, 64711), (153, 64702), (164, 64678), (171, 64654), (182, 64630), (257, 64375), (259, 64369), (260, 64357), (272, 64324), (279, 64303), (295, 64246), (296, 64243), (307, 64204), (310, 64195), (319, 64165), (323, 64150), (335, 64108), (340, 64087), (348, 64057), (355, 64036), (374, 63970), (375, 63967), (384, 63940), (387, 63934), (414, 63859), (421, 63823),

Gene: OrangeOswald_96 Start: 66962, Stop: 65850, Start Num: 85
Candidate Starts for OrangeOswald_96:
(30, 67082), (Start: 42 @67052 has 7 MA's), (Start: 85 @66962 has 17 MA's), (Start: 114 @66908 has 161 MA's), (Start: 128 @66878 has 1 MA's), (150, 66794), (164, 66761), (200, 66689), (226, 66617), (244, 66536), (255, 66491), (257, 66485), (259, 66479), (260, 66467), (264, 66461), (272, 66431), (300, 66329), (307, 66311), (321, 66266), (340, 66194), (343, 66179), (352, 66152), (355, 66143), (370, 66086), (400, 66002), (406, 65978), (419, 65948),

Gene: Orchid_113 Start: 77931, Stop: 76870, Start Num: 111
Candidate Starts for Orchid_113:
(Start: 111 @77931 has 34 MA's), (Start: 123 @77907 has 1 MA's), (163, 77778), (172, 77760), (217, 77655), (228, 77595), (270, 77445), (305, 77325), (327, 77247), (328, 77241), (339, 77199), (347, 77166), (357, 77136), (385, 77073), (391, 77055), (439, 76914), (444, 76902), (448, 76893),

Gene: PacManQ_2 Start: 2225, Stop: 1212, Start Num: 116
Candidate Starts for PacManQ_2:
(66, 2321), (Start: 116 @2225 has 134 MA's), (156, 2114), (167, 2081), (178, 2054), (187, 2045), (193, 2024), (202, 2009), (227, 1958), (253, 1847), (272, 1793), (296, 1712), (306, 1673), (312, 1655), (321, 1625), (338, 1562), (362, 1478), (367, 1466), (375, 1433), (396, 1373), (409, 1325), (420, 1307), (435, 1268),

Gene: PacManQ_249 Start: 123117, Stop: 122104, Start Num: 116
Candidate Starts for PacManQ_249:
(66, 123213), (Start: 116 @123117 has 134 MA's), (156, 123006), (167, 122973), (178, 122946), (187, 122937), (193, 122916), (202, 122901), (227, 122850), (253, 122739), (272, 122685), (296, 122604), (306, 122565), (312, 122547), (321, 122517), (338, 122454), (362, 122370), (367, 122358), (375, 122325), (396, 122265), (409, 122217), (420, 122199), (435, 122160),

Gene: Panchaali_166 Start: 113192, Stop: 114172, Start Num: 114
Candidate Starts for Panchaali_166:
(Start: 114 @113192 has 161 MA's), (130, 113234), (225, 113438), (236, 113495), (255, 113576), (278, 113639), (300, 113723), (328, 113813), (340, 113858), (375, 113957), (400, 114032),

Gene: Papyrus_61 Start: 44571, Stop: 45767, Start Num: 72
Candidate Starts for Papyrus_61:
(Start: 72 @44571 has 13 MA's), (81, 44586), (Start: 112 @44652 has 9 MA's), (120, 44661), (142, 44742), (148, 44763), (154, 44778), (166, 44805), (192, 44865), (199, 44886), (209, 44919), (234, 45030), (235, 45036), (239, 45048), (251, 45087), (257, 45117), (270, 45156), (294, 45234), (296, 45240), (299, 45255), (336, 45393), (343, 45426), (350, 45450), (385, 45543), (391, 45561), (402, 45594), (434, 45678), (439, 45699), (445, 45714), (453, 45732), (454, 45735), (456, 45741), (458,

45750), (459, 45753),

Gene: Paradiddles_3 Start: 2417, Stop: 1404, Start Num: 116
Candidate Starts for Paradiddles_3:
(43, 2567), (57, 2531), (Start: 67 @2510 has 4 MA's), (79, 2492), (Start: 116 @2417 has 134 MA's), (145, 2336), (156, 2306), (178, 2246), (193, 2216), (202, 2201), (203, 2198), (227, 2150), (253, 2039), (272, 1985), (284, 1940), (296, 1904), (306, 1865), (312, 1847), (321, 1817), (367, 1658), (375, 1625), (396, 1565), (409, 1517), (420, 1499), (435, 1460),

Gene: Paradiddles_244 Start: 125125, Stop: 124112, Start Num: 116
Candidate Starts for Paradiddles_244:
(43, 125275), (57, 125239), (Start: 67 @125218 has 4 MA's), (79, 125200), (Start: 116 @125125 has 134 MA's), (145, 125044), (156, 125014), (178, 124954), (193, 124924), (202, 124909), (203, 124906), (227, 124858), (253, 124747), (272, 124693), (284, 124648), (296, 124612), (306, 124573), (312, 124555), (321, 124525), (367, 124366), (375, 124333), (396, 124273), (409, 124225), (420, 124207), (435, 124168),

Gene: Paschalis_58 Start: 37308, Stop: 38303, Start Num: 133
Candidate Starts for Paschalis_58:
(Start: 133 @37308 has 42 MA's), (182, 37428), (187, 37437), (190, 37449), (202, 37482), (204, 37488), (208, 37506), (234, 37617), (255, 37698), (270, 37740), (281, 37776), (284, 37788), (321, 37911), (329, 37941), (385, 38112), (393, 38133), (402, 38163), (415, 38196), (434, 38244),

Gene: Patbob_173 Start: 116230, Stop: 117204, Start Num: 114
Candidate Starts for Patbob_173:
(Start: 114 @116230 has 161 MA's), (130, 116272), (255, 116611), (278, 116674), (287, 116716), (304, 116770), (328, 116848), (333, 116863), (375, 116992), (384, 117019), (386, 117025), (439, 117163),

Gene: Patelgo_221 Start: 109737, Stop: 110759, Start Num: 112
Candidate Starts for Patelgo_221:
(Start: 112 @109737 has 9 MA's), (Start: 128 @109767 has 1 MA's), (156, 109848), (164, 109866), (187, 109908), (192, 109926), (203, 109944), (258, 110124), (262, 110142), (278, 110187), (285, 110220), (286, 110226), (289, 110232), (316, 110322), (338, 110397), (343, 110421), (353, 110451), (371, 110514), (449, 110733),

Gene: Patience_61 Start: 44078, Stop: 45382, Start Num: 107
Candidate Starts for Patience_61:
(64, 44006), (Start: 107 @44078 has 4 MA's), (155, 44222), (180, 44279), (228, 44426), (236, 44459), (247, 44495), (251, 44513), (257, 44543), (277, 44600), (280, 44609), (284, 44630), (287, 44645), (296, 44666), (299, 44681), (328, 44786), (335, 44810), (340, 44831), (353, 44879), (354, 44882), (357, 44891), (385, 45014), (404, 45089), (413, 45107), (416, 45125), (417, 45128), (440, 45197), (462, 45257),

Gene: PatrickStar_114 Start: 78010, Stop: 76949, Start Num: 111
Candidate Starts for PatrickStar_114:
(Start: 111 @78010 has 34 MA's), (Start: 123 @77986 has 1 MA's), (163, 77857), (172, 77839), (217, 77734), (228, 77674), (270, 77524), (305, 77404), (327, 77326), (328, 77320), (339, 77278), (347, 77245), (357, 77215), (385, 77152), (391, 77134), (439, 76993), (444, 76981), (448, 76972),

Gene: Peebs_2 Start: 2371, Stop: 1211, Start Num: 45
Candidate Starts for Peebs_2:

(Start: 45 @2371 has 4 MA's), (Start: 67 @2317 has 4 MA's), (79, 2299), (Start: 116 @2224 has 134 MA's), (156, 2113), (178, 2053), (187, 2044), (193, 2023), (202, 2008), (227, 1957), (253, 1846), (272, 1792), (296, 1711), (312, 1654), (321, 1624), (338, 1561), (362, 1477), (367, 1465), (375, 1432), (396, 1372), (409, 1324), (420, 1306), (435, 1267),

Gene: Peebs_249 Start: 124346, Stop: 123186, Start Num: 45
Candidate Starts for Peebs_249:
(Start: 45 @124346 has 4 MA's), (Start: 67 @124292 has 4 MA's), (79, 124274), (Start: 116 @124199 has 134 MA's), (156, 124088), (178, 124028), (187, 124019), (193, 123998), (202, 123983), (227, 123932), (253, 123821), (272, 123767), (296, 123686), (312, 123629), (321, 123599), (338, 123536), (362, 123452), (367, 123440), (375, 123407), (396, 123347), (409, 123299), (420, 123281), (435, 123242),

Gene: PegLeg_149 Start: 75413, Stop: 74244, Start Num: 76
Candidate Starts for PegLeg_149:
(39, 75494), (44, 75482), (Start: 76 @75413 has 6 MA's), (88, 75392), (Start: 122 @75317 has 14 MA's), (151, 75212), (158, 75203), (175, 75167), (199, 75113), (210, 75080), (220, 75050), (236, 74966), (260, 74870), (281, 74813), (294, 74771), (298, 74753), (313, 74690), (317, 74681), (320, 74669), (321, 74666), (335, 74615), (350, 74555), (388, 74456), (391, 74447), (403, 74411), (418, 74372), (453, 74276), (456, 74267),

Gene: PenguinLover67_89 Start: 66616, Stop: 65579, Start Num: 114
Candidate Starts for PenguinLover67_89:
(Start: 114 @66616 has 161 MA's), (119, 66607), (150, 66520), (164, 66487), (167, 66472), (173, 66454), (175, 66451), (207, 66406), (227, 66355), (257, 66226), (259, 66220), (260, 66208), (276, 66166), (279, 66154), (287, 66115), (293, 66103), (296, 66094), (310, 66046), (316, 66022), (319, 66016), (321, 66010), (323, 66001), (328, 65983), (338, 65947), (348, 65908), (351, 65899), (355, 65887), (359, 65878), (369, 65839), (374, 65821), (375, 65818), (378, 65809), (406, 65725), (408, 65719), (426, 65683),

Gene: Pepperwood_3 Start: 2379, Stop: 1366, Start Num: 116
Candidate Starts for Pepperwood_3:
(Start: 45 @2526 has 4 MA's), (Start: 67 @2472 has 4 MA's), (79, 2454), (Start: 116 @2379 has 134 MA's), (156, 2268), (178, 2208), (187, 2199), (193, 2178), (202, 2163), (227, 2112), (253, 2001), (272, 1947), (296, 1866), (306, 1827), (312, 1809), (321, 1779), (338, 1716), (362, 1632), (367, 1620), (375, 1587), (396, 1527), (409, 1479), (420, 1461), (435, 1422),

Gene: Pepperwood_252 Start: 124164, Stop: 123151, Start Num: 116
Candidate Starts for Pepperwood_252:
(Start: 45 @124311 has 4 MA's), (Start: 67 @124257 has 4 MA's), (79, 124239), (Start: 116 @124164 has 134 MA's), (156, 124053), (178, 123993), (187, 123984), (193, 123963), (202, 123948), (227, 123897), (253, 123786), (272, 123732), (296, 123651), (306, 123612), (312, 123594), (321, 123564), (338, 123501), (362, 123417), (367, 123405), (375, 123372), (396, 123312), (409, 123264), (420, 123246), (435, 123207),

Gene: Peregrin_181 Start: 95378, Stop: 96424, Start Num: 113
Candidate Starts for Peregrin_181:
(Start: 113 @95378 has 18 MA's), (130, 95417), (140, 95450), (157, 95495), (160, 95501), (169, 95531), (202, 95588), (233, 95726), (255, 95807), (257, 95813), (259, 95819), (267, 95852), (277, 95876), (302, 95969), (316, 96014), (321, 96026), (340, 96098), (371, 96203), (375, 96215), (402, 96293), (444, 96389), (453, 96410),

Gene: Persimmon_2 Start: 2215, Stop: 1202, Start Num: 116

Candidate Starts for Persimmon_2:
(43, 2365), (57, 2329), (Start: 67 @2308 has 4 MA's), (79, 2290), (Start: 116 @2215 has 134 MA's), (145, 2134), (156, 2104), (178, 2044), (193, 2014), (202, 1999), (203, 1996), (227, 1948), (253, 1837), (272, 1783), (284, 1738), (296, 1702), (306, 1663), (312, 1645), (321, 1615), (367, 1456), (375, 1423), (396, 1363), (409, 1315), (420, 1297), (435, 1258),

Gene: Persimmon_253 Start: 123026, Stop: 122013, Start Num: 116
Candidate Starts for Persimmon_253:
(43, 123176), (57, 123140), (Start: 67 @123119 has 4 MA's), (79, 123101), (Start: 116 @123026 has 134 MA's), (145, 122945), (156, 122915), (178, 122855), (193, 122825), (202, 122810), (203, 122807), (227, 122759), (253, 122648), (272, 122594), (284, 122549), (296, 122513), (306, 122474), (312, 122456), (321, 122426), (367, 122267), (375, 122234), (396, 122174), (409, 122126), (420, 122108), (435, 122069),

Gene: Phaedrus_92 Start: 66323, Stop: 65265, Start Num: 114
Candidate Starts for Phaedrus_92:
(30, 66497), (Start: 42 @66467 has 7 MA's), (Start: 85 @66377 has 17 MA's), (Start: 114 @66323 has 161 MA's), (Start: 128 @66293 has 1 MA's), (150, 66209), (164, 66176), (200, 66104), (226, 66032), (244, 65951), (255, 65906), (257, 65900), (259, 65894), (260, 65882), (272, 65846), (300, 65744), (307, 65726), (321, 65681), (340, 65609), (343, 65594), (352, 65567), (355, 65558), (370, 65501), (400, 65417), (406, 65393), (419, 65363),

Gene: Phantasmagoria_84 Start: 64790, Stop: 63720, Start Num: 114
Candidate Starts for Phantasmagoria_84:
(28, 64985), (Start: 114 @64790 has 161 MA's), (Start: 128 @64760 has 1 MA's), (150, 64694), (153, 64685), (164, 64661), (171, 64637), (182, 64613), (257, 64358), (259, 64352), (260, 64340), (272, 64307), (279, 64286), (295, 64229), (296, 64226), (307, 64187), (310, 64178), (319, 64148), (323, 64133), (328, 64115), (335, 64091), (340, 64070), (348, 64040), (355, 64019), (374, 63953), (375, 63950), (384, 63923), (387, 63917), (414, 63842), (421, 63806),

Gene: Pharky_18 Start: 12530, Stop: 11526, Start Num: 127
Candidate Starts for Pharky_18:
(Start: 127 @12530 has 37 MA's), (174, 12401), (220, 12305), (233, 12236), (235, 12227), (254, 12152), (296, 12014), (321, 11921), (340, 11849), (343, 11834), (347, 11819), (351, 11807), (357, 11789), (375, 11744), (420, 11612), (436, 11573), (451, 11531),

Gene: Phayeta_99 Start: 67158, Stop: 66100, Start Num: 114
Candidate Starts for Phayeta_99:
(30, 67332), (Start: 42 @67302 has 7 MA's), (Start: 85 @67212 has 17 MA's), (Start: 114 @67158 has 161 MA's), (Start: 128 @67128 has 1 MA's), (150, 67044), (164, 67011), (200, 66939), (226, 66867), (244, 66786), (255, 66741), (257, 66735), (259, 66729), (260, 66717), (272, 66681), (300, 66579), (307, 66561), (321, 66516), (340, 66444), (343, 66429), (352, 66402), (355, 66393), (370, 66336), (400, 66252), (406, 66228), (419, 66198),

Gene: Phedro_18 Start: 12530, Stop: 11526, Start Num: 127
Candidate Starts for Phedro_18:
(Start: 127 @12530 has 37 MA's), (174, 12401), (220, 12305), (233, 12236), (235, 12227), (254, 12152), (296, 12014), (321, 11921), (340, 11849), (343, 11834), (347, 11819), (351, 11807), (357, 11789), (375, 11744), (420, 11612), (436, 11573), (451, 11531),

Gene: PhedwardCullen_57 Start: 37059, Stop: 38054, Start Num: 133
Candidate Starts for PhedwardCullen_57:

(Start: 133 @37059 has 42 MA's), (182, 37179), (187, 37188), (190, 37200), (202, 37233), (204, 37239), (208, 37257), (234, 37368), (255, 37449), (281, 37527), (284, 37539), (321, 37662), (329, 37692), (385, 37863), (393, 37884), (402, 37914), (415, 37947), (434, 37995),

Gene: Phelemich_87 Start: 66931, Stop: 65858, Start Num: 114
Candidate Starts for Phelemich_87:
(50, 67057), (56, 67045), (77, 67006), (Start: 114 @66931 has 161 MA's), (150, 66835), (164, 66802), (188, 66760), (197, 66730), (208, 66706), (220, 66679), (257, 66529), (259, 66523), (260, 66511), (276, 66469), (296, 66397), (334, 66265), (338, 66250), (341, 66238), (348, 66211), (351, 66202), (355, 66190), (363, 66157), (374, 66124), (375, 66121), (377, 66115), (378, 66112), (406, 66028), (408, 66022), (426, 65986), (458, 65905), (467, 65875),

Gene: Philly_96 Start: 66810, Stop: 65698, Start Num: 85
Candidate Starts for Philly_96:
(30, 66930), (Start: 42 @66900 has 7 MA's), (Start: 85 @66810 has 17 MA's), (Start: 114 @66756 has 161 MA's), (Start: 128 @66726 has 1 MA's), (150, 66642), (164, 66609), (200, 66537), (226, 66465), (244, 66384), (255, 66339), (257, 66333), (259, 66327), (260, 66315), (272, 66279), (300, 66177), (307, 66159), (321, 66114), (340, 66042), (343, 66027), (352, 66000), (355, 65991), (370, 65934), (400, 65850), (406, 65826), (419, 65796),

Gene: PhillyJawn_51 Start: 30818, Stop: 31870, Start Num: 82
Candidate Starts for PhillyJawn_51:
(Start: 82 @30818 has 16 MA's), (Start: 105 @30860 has 1 MA's), (150, 30956), (167, 31004), (217, 31094), (257, 31253), (259, 31259), (263, 31274), (289, 31355), (340, 31529), (371, 31637), (414, 31757), (431, 31799), (455, 31859),

Gene: Phingu_53 Start: 31043, Stop: 32095, Start Num: 82
Candidate Starts for Phingu_53:
(Start: 82 @31043 has 16 MA's), (Start: 105 @31085 has 1 MA's), (150, 31181), (167, 31229), (217, 31319), (257, 31478), (259, 31484), (263, 31499), (280, 31541), (287, 31577), (289, 31580), (340, 31754), (371, 31862), (414, 31982), (431, 32024), (455, 32084),

Gene: Phlyer_97 Start: 67618, Stop: 66560, Start Num: 114
Candidate Starts for Phlyer_97:
(30, 67792), (Start: 42 @67762 has 7 MA's), (Start: 85 @67672 has 17 MA's), (Start: 114 @67618 has 161 MA's), (Start: 128 @67588 has 1 MA's), (150, 67504), (164, 67471), (200, 67399), (226, 67327), (244, 67246), (255, 67201), (257, 67195), (259, 67189), (260, 67177), (272, 67141), (300, 67039), (307, 67021), (321, 66976), (340, 66904), (343, 66889), (352, 66862), (355, 66853), (370, 66796), (400, 66712), (406, 66688), (419, 66658),

Gene: Phonegingi_50 Start: 30903, Stop: 31913, Start Num: 105
Candidate Starts for Phonegingi_50:
(Start: 105 @30903 has 1 MA's), (150, 30999), (167, 31047), (217, 31137), (257, 31296), (259, 31302), (280, 31359), (289, 31398), (340, 31572), (371, 31680), (414, 31800), (431, 31842), (455, 31902),

Gene: Phorgeous_58 Start: 37142, Stop: 38137, Start Num: 133
Candidate Starts for Phorgeous_58:
(Start: 133 @37142 has 42 MA's), (182, 37262), (187, 37271), (190, 37283), (202, 37316), (204, 37322), (208, 37340), (234, 37451), (255, 37532), (281, 37610), (284, 37622), (321, 37745), (329, 37775), (385, 37946), (393, 37967), (402, 37997), (415, 38030), (434, 38078),

Gene: Phractured_18 Start: 12530, Stop: 11526, Start Num: 127
Candidate Starts for Phractured_18:

(Start: 127 @12530 has 37 MA's), (174, 12401), (220, 12305), (233, 12236), (235, 12227), (254, 12152), (296, 12014), (321, 11921), (340, 11849), (343, 11834), (347, 11819), (351, 11807), (357, 11789), (375, 11744), (420, 11612), (436, 11573), (451, 11531),

Gene: Phrampa_167 Start: 117794, Stop: 118768, Start Num: 114
Candidate Starts for Phrampa_167:
(Start: 114 @117794 has 161 MA's), (130, 117836), (255, 118175), (278, 118238), (304, 118334), (341, 118460), (371, 118544), (375, 118556), (386, 118589), (453, 118760),

Gene: Phrancesco_58 Start: 37431, Stop: 38426, Start Num: 133
Candidate Starts for Phrancesco_58:
(Start: 133 @37431 has 42 MA's), (182, 37551), (187, 37560), (190, 37572), (202, 37605), (204, 37611), (208, 37629), (234, 37740), (255, 37821), (281, 37899), (284, 37911), (321, 38034), (329, 38064), (333, 38076), (385, 38235), (393, 38256), (402, 38286), (415, 38319), (434, 38367),

Gene: Phredrick_223 Start: 106600, Stop: 107622, Start Num: 113
Candidate Starts for Phredrick_223:
(Start: 113 @106600 has 18 MA's), (Start: 128 @106630 has 1 MA's), (156, 106711), (164, 106729), (187, 106771), (203, 106807), (258, 106987), (278, 107050), (285, 107083), (289, 107095), (291, 107098), (295, 107110), (299, 107128), (316, 107185), (338, 107260), (343, 107284), (353, 107314), (371, 107377), (449, 107599), (456, 107614),

Gene: Phreeze_52 Start: 42285, Stop: 43496, Start Num: 75
Candidate Starts for Phreeze_52:
(Start: 63 @42267 has 2 MA's), (Start: 75 @42285 has 7 MA's), (89, 42309), (103, 42330), (106, 42339), (151, 42465), (155, 42474), (187, 42549), (226, 42678), (237, 42732), (240, 42741), (255, 42807), (257, 42813), (260, 42831), (277, 42870), (292, 42924), (312, 42999), (314, 43014), (321, 43029), (326, 43047), (335, 43080), (360, 43176), (438, 43395), (439, 43398), (443, 43407), (462, 43461),

Gene: PhriedRice_18 Start: 12541, Stop: 11537, Start Num: 127
Candidate Starts for PhriedRice_18:
(Start: 127 @12541 has 37 MA's), (174, 12412), (220, 12316), (233, 12247), (235, 12238), (254, 12163), (296, 12025), (321, 11932), (340, 11860), (343, 11845), (347, 11830), (351, 11818), (357, 11800), (375, 11755), (420, 11623), (436, 11584), (451, 11542),

Gene: Piccoletto_73 Start: 49488, Stop: 48421, Start Num: 94
Candidate Starts for Piccoletto_73:
(Start: 94 @49488 has 2 MA's), (Start: 121 @49425 has 22 MA's), (189, 49266), (197, 49245), (204, 49227), (220, 49182), (224, 49173), (228, 49146), (251, 49062), (254, 49044), (255, 49038), (257, 49032), (260, 49014), (295, 48915), (302, 48885), (340, 48756), (343, 48741), (410, 48534), (429, 48489), (450, 48435),

Gene: Pickles13_49 Start: 31137, Stop: 32189, Start Num: 82
Candidate Starts for Pickles13_49:
(36, 31050), (Start: 82 @31137 has 16 MA's), (Start: 105 @31179 has 1 MA's), (150, 31275), (167, 31323), (217, 31413), (257, 31572), (259, 31578), (263, 31593), (280, 31635), (289, 31674), (340, 31848), (371, 31956), (414, 32076), (431, 32118), (455, 32178),

Gene: PierreOrion_58 Start: 37551, Stop: 38546, Start Num: 133
Candidate Starts for PierreOrion_58:
(Start: 133 @37551 has 42 MA's), (182, 37671), (187, 37680), (190, 37692), (198, 37716), (202, 37725), (204, 37731), (208, 37749), (224, 37806), (234, 37860), (255, 37941), (270, 37983), (281,

38019), (284, 38031), (321, 38154), (329, 38184), (385, 38355), (393, 38376), (402, 38406), (415, 38439), (434, 38487),

Gene: PinkiePie_3 Start: 2417, Stop: 1404, Start Num: 116
Candidate Starts for PinkiePie_3:
(43, 2567), (57, 2531), (Start: 67 @2510 has 4 MA's), (79, 2492), (Start: 116 @2417 has 134 MA's), (145, 2336), (156, 2306), (178, 2246), (193, 2216), (202, 2201), (203, 2198), (227, 2150), (253, 2039), (272, 1985), (284, 1940), (296, 1904), (306, 1865), (312, 1847), (321, 1817), (367, 1658), (375, 1625), (396, 1565), (409, 1517), (420, 1499), (435, 1460),

Gene: PinkiePie_253 Start: 123938, Stop: 122925, Start Num: 116
Candidate Starts for PinkiePie_253:
(43, 124088), (57, 124052), (Start: 67 @124031 has 4 MA's), (79, 124013), (Start: 116 @123938 has 134 MA's), (145, 123857), (156, 123827), (178, 123767), (193, 123737), (202, 123722), (203, 123719), (227, 123671), (253, 123560), (272, 123506), (284, 123461), (296, 123425), (306, 123386), (312, 123368), (321, 123338), (367, 123179), (375, 123146), (396, 123086), (409, 123038), (420, 123020), (435, 122981),

Gene: Pipefish_96 Start: 67436, Stop: 66234, Start Num: 42
Candidate Starts for Pipefish_96:
(30, 67466), (Start: 42 @67436 has 7 MA's), (Start: 85 @67346 has 17 MA's), (Start: 114 @67292 has 161 MA's), (Start: 128 @67262 has 1 MA's), (150, 67178), (164, 67145), (200, 67073), (226, 67001), (244, 66920), (255, 66875), (257, 66869), (259, 66863), (260, 66851), (272, 66815), (300, 66713), (307, 66695), (321, 66650), (340, 66578), (343, 66563), (352, 66536), (355, 66527), (370, 66470), (400, 66386), (406, 66362), (419, 66332),

Gene: PiperSansNom_59 Start: 37615, Stop: 38610, Start Num: 133
Candidate Starts for PiperSansNom_59:
(Start: 133 @37615 has 42 MA's), (182, 37735), (187, 37744), (190, 37756), (202, 37789), (204, 37795), (208, 37813), (234, 37924), (255, 38005), (281, 38083), (284, 38095), (321, 38218), (329, 38248), (385, 38419), (393, 38440), (402, 38470), (415, 38503), (434, 38551),

Gene: Piperis_59 Start: 37265, Stop: 38260, Start Num: 133
Candidate Starts for Piperis_59:
(Start: 133 @37265 has 42 MA's), (182, 37385), (187, 37394), (190, 37406), (202, 37439), (204, 37445), (208, 37463), (234, 37574), (255, 37655), (281, 37733), (284, 37745), (321, 37868), (329, 37898), (385, 38069), (393, 38090), (402, 38120), (415, 38153), (434, 38201),

Gene: Pippa_77 Start: 50604, Stop: 49609, Start Num: 121
Candidate Starts for Pippa_77:
(Start: 121 @50604 has 22 MA's), (146, 50541), (157, 50511), (189, 50448), (196, 50430), (251, 50250), (255, 50226), (257, 50220), (260, 50202), (262, 50199), (286, 50124), (302, 50073), (340, 49944), (343, 49929), (355, 49893), (365, 49860), (429, 49677),

Gene: Poise_101 Start: 57574, Stop: 56504, Start Num: 111
Candidate Starts for Poise_101:
(Start: 76 @57646 has 6 MA's), (Start: 78 @57643 has 1 MA's), (Start: 82 @57637 has 16 MA's), (Start: 111 @57574 has 34 MA's), (120, 57559), (130, 57526), (159, 57433), (175, 57400), (184, 57376), (198, 57343), (199, 57340), (200, 57337), (206, 57322), (210, 57310), (219, 57283), (236, 57196), (240, 57184), (250, 57151), (255, 57124), (257, 57118), (260, 57100), (278, 57058), (281, 57043), (292, 57007), (296, 56995), (314, 56917), (318, 56911), (326, 56884), (332, 56863), (351, 56788), (383, 56713), (392, 56692), (395, 56689), (453, 56521), (454, 56518),

Gene: PorkBelly_31 Start: 24281, Stop: 23394, Start Num: 131
Candidate Starts for PorkBelly_31:
(131, 24281), (140, 24260), (157, 24218), (172, 24173), (177, 24164), (187, 24161), (193, 24140), (231, 24038), (233, 24026), (239, 24005), (248, 23966), (254, 23939), (255, 23933), (271, 23888), (283, 23846), (288, 23825), (290, 23822), (308, 23759), (309, 23756), (318, 23726), (340, 23645), (347, 23615), (382, 23498),

Gene: Poster_90 Start: 67688, Stop: 66642, Start Num: 114
Candidate Starts for Poster_90:
(Start: 114 @67688 has 161 MA's), (131, 67634), (136, 67616), (150, 67574), (164, 67541), (167, 67526), (171, 67517), (187, 67499), (204, 67460), (207, 67445), (226, 67397), (240, 67334), (257, 67265), (259, 67259), (260, 67247), (293, 67139), (296, 67130), (300, 67109), (323, 67037), (343, 66959), (346, 66950), (348, 66944), (351, 66935), (359, 66914), (374, 66857), (384, 66827), (400, 66785), (414, 66755), (433, 66701), (439, 66680), (454, 66647),

Gene: Prairie_72 Start: 45989, Stop: 44991, Start Num: 126
Candidate Starts for Prairie_72:
(27, 46193), (104, 46037), (Start: 126 @45989 has 6 MA's), (150, 45920), (157, 45902), (251, 45644), (254, 45626), (255, 45620), (340, 45338), (351, 45299), (352, 45296),

Gene: Predator_52 Start: 40537, Stop: 41748, Start Num: 73
Candidate Starts for Predator_52:
(Start: 73 @40537 has 1 MA's), (103, 40582), (106, 40591), (139, 40681), (187, 40801), (205, 40852), (226, 40930), (232, 40966), (235, 40978), (240, 40993), (253, 41050), (255, 41059), (260, 41083), (278, 41125), (314, 41266), (321, 41281), (351, 41395), (355, 41407), (360, 41428), (438, 41647), (439, 41650), (446, 41665), (462, 41713), (465, 41722),

Gene: Prince_92 Start: 68894, Stop: 67836, Start Num: 114
Candidate Starts for Prince_92:
(Start: 114 @68894 has 161 MA's), (150, 68780), (152, 68774), (164, 68747), (167, 68732), (171, 68723), (187, 68705), (204, 68666), (208, 68648), (226, 68603), (240, 68540), (257, 68471), (260, 68453), (266, 68435), (269, 68423), (272, 68417), (293, 68345), (296, 68336), (300, 68315), (336, 68198), (338, 68189), (343, 68165), (346, 68156), (351, 68141), (359, 68120), (374, 68063), (384, 68033), (400, 67991), (405, 67970), (433, 67895), (439, 67874), (451, 67847), (454, 67841),

Gene: PrinceCharming_85 Start: 64835, Stop: 63765, Start Num: 114
Candidate Starts for PrinceCharming_85:
(Start: 114 @64835 has 161 MA's), (Start: 128 @64805 has 1 MA's), (150, 64739), (153, 64730), (164, 64706), (171, 64682), (182, 64658), (257, 64403), (259, 64397), (260, 64385), (272, 64352), (279, 64331), (295, 64274), (296, 64271), (307, 64232), (310, 64223), (319, 64193), (323, 64178), (328, 64160), (335, 64136), (340, 64115), (348, 64085), (355, 64064), (374, 63998), (375, 63995), (384, 63968), (387, 63962), (414, 63887), (421, 63851),

Gene: Pringar_96 Start: 57361, Stop: 56291, Start Num: 111
Candidate Starts for Pringar_96:
(Start: 86 @57415 has 1 MA's), (93, 57406), (Start: 111 @57361 has 34 MA's), (120, 57346), (130, 57313), (159, 57220), (175, 57187), (184, 57163), (198, 57130), (199, 57127), (200, 57124), (206, 57109), (210, 57097), (219, 57070), (236, 56983), (240, 56971), (250, 56938), (255, 56911), (257, 56905), (260, 56887), (278, 56845), (281, 56830), (292, 56794), (296, 56782), (314, 56704), (318, 56698), (326, 56671), (332, 56650), (351, 56575), (383, 56500), (392, 56479), (395, 56476), (453, 56308), (454, 56305),

Gene: Puissant_51 Start: 42359, Stop: 43570, Start Num: 74

Candidate Starts for Puissant_51:
(Start: 74 @42359 has 2 MA's), (106, 42413), (187, 42623), (226, 42752), (229, 42773), (237, 42806), (240, 42815), (255, 42881), (257, 42887), (260, 42905), (277, 42944), (299, 43025), (312, 43073), (321, 43103), (335, 43154), (360, 43250), (438, 43469), (439, 43472), (443, 43481), (462, 43535),

Gene: Pulchra_60 Start: 37662, Stop: 38657, Start Num: 133
Candidate Starts for Pulchra_60:
(Start: 133 @37662 has 42 MA's), (182, 37782), (187, 37791), (190, 37803), (202, 37836), (204, 37842), (208, 37860), (234, 37971), (255, 38052), (281, 38130), (284, 38142), (321, 38265), (329, 38295), (385, 38466), (393, 38487), (402, 38517), (415, 38550), (434, 38598),

Gene: PumpkinSpice_3 Start: 2651, Stop: 1611, Start Num: 96
Candidate Starts for PumpkinSpice_3:
(Start: 96 @2651 has 21 MA's), (Start: 116 @2606 has 134 MA's), (156, 2495), (167, 2462), (187, 2429), (199, 2417), (203, 2408), (227, 2360), (229, 2342), (230, 2339), (272, 2195), (276, 2186), (285, 2144), (296, 2114), (306, 2075), (312, 2057), (321, 2027), (338, 1964), (375, 1832), (396, 1772), (409, 1724), (435, 1667), (449, 1631),

Gene: PumpkinSpice_267 Start: 122543, Stop: 121503, Start Num: 96
Candidate Starts for PumpkinSpice_267:
(Start: 96 @122543 has 21 MA's), (Start: 116 @122498 has 134 MA's), (156, 122387), (167, 122354), (187, 122321), (199, 122309), (203, 122300), (227, 122252), (229, 122234), (230, 122231), (272, 122087), (276, 122078), (285, 122036), (296, 122006), (306, 121967), (312, 121949), (321, 121919), (338, 121856), (375, 121724), (396, 121664), (409, 121616), (435, 121559), (449, 121523),

Gene: Purplicious_1 Start: 1, Stop: 1032, Start Num: 109
Candidate Starts for Purplicious_1:
(Start: 109 @1 has 7 MA's), (150, 97), (191, 199), (229, 307), (254, 406), (257, 418), (259, 424), (277, 481), (287, 526), (296, 547), (307, 586), (340, 703), (343, 718), (354, 754), (355, 757),

Gene: PynkPanther_251 Start: 124707, Stop: 123694, Start Num: 116
Candidate Starts for PynkPanther_251:
(43, 124857), (57, 124821), (Start: 67 @124800 has 4 MA's), (79, 124782), (Start: 116 @124707 has 134 MA's), (145, 124626), (156, 124596), (178, 124536), (193, 124506), (202, 124491), (203, 124488), (227, 124440), (253, 124329), (272, 124275), (284, 124230), (296, 124194), (306, 124155), (312, 124137), (321, 124107), (362, 123960), (367, 123948), (375, 123915), (396, 123855), (409, 123807), (420, 123789), (435, 123750),

Gene: PynkPanther_3 Start: 2418, Stop: 1405, Start Num: 116
Candidate Starts for PynkPanther_3:
(43, 2568), (57, 2532), (Start: 67 @2511 has 4 MA's), (79, 2493), (Start: 116 @2418 has 134 MA's), (145, 2337), (156, 2307), (178, 2247), (193, 2217), (202, 2202), (203, 2199), (227, 2151), (253, 2040), (272, 1986), (284, 1941), (296, 1905), (306, 1866), (312, 1848), (321, 1818), (362, 1671), (367, 1659), (375, 1626), (396, 1566), (409, 1518), (420, 1500), (435, 1461),

Gene: Quaran19_3 Start: 2651, Stop: 1611, Start Num: 96
Candidate Starts for Quaran19_3:
(Start: 96 @2651 has 21 MA's), (Start: 116 @2606 has 134 MA's), (156, 2495), (167, 2462), (187, 2429), (199, 2417), (203, 2408), (227, 2360), (229, 2342), (230, 2339), (272, 2195), (276, 2186), (285, 2144), (296, 2114), (306, 2075), (312, 2057), (321, 2027), (338, 1964), (375, 1832), (396, 1772), (409, 1724), (435, 1667), (449, 1631),

Gene: Quaran19_264 Start: 121833, Stop: 120793, Start Num: 96

Candidate Starts for Quaran19_264:
(Start: 96 @121833 has 21 MA's), (Start: 116 @121788 has 134 MA's), (156, 121677), (167, 121644), (187, 121611), (199, 121599), (203, 121590), (227, 121542), (229, 121524), (230, 121521), (272, 121377), (276, 121368), (285, 121326), (296, 121296), (306, 121257), (312, 121239), (321, 121209), (338, 121146), (375, 121014), (396, 120954), (409, 120906), (435, 120849), (449, 120813),

Gene: QueenPie_84 Start: 67179, Stop: 66133, Start Num: 114
Candidate Starts for QueenPie_84:
(Start: 114 @67179 has 161 MA's), (131, 67125), (150, 67065), (164, 67032), (167, 67017), (171, 67008), (173, 66999), (187, 66990), (204, 66951), (207, 66936), (208, 66933), (226, 66888), (240, 66825), (257, 66756), (259, 66750), (260, 66738), (293, 66630), (296, 66621), (300, 66600), (323, 66528), (336, 66483), (343, 66450), (346, 66441), (348, 66435), (351, 66426), (359, 66405), (374, 66348), (384, 66318), (398, 66288), (400, 66276), (414, 66246), (433, 66192), (439, 66171), (454, 66138),

Gene: Quesadilla_91 Start: 67907, Stop: 66864, Start Num: 114
Candidate Starts for Quesadilla_91:
(Start: 114 @67907 has 161 MA's), (119, 67898), (150, 67811), (164, 67778), (167, 67763), (173, 67745), (207, 67697), (255, 67523), (257, 67517), (259, 67511), (260, 67499), (276, 67457), (279, 67445), (287, 67406), (293, 67394), (296, 67385), (310, 67337), (316, 67313), (321, 67301), (338, 67238), (340, 67229), (351, 67190), (355, 67178), (359, 67169), (369, 67130), (371, 67121), (374, 67112), (375, 67109), (378, 67100), (400, 67040), (406, 67016), (408, 67010), (437, 66950), (448, 66923), (457, 66899), (461, 66881),

Gene: Quhwah_62 Start: 37923, Stop: 38918, Start Num: 133
Candidate Starts for Quhwah_62:
(Start: 133 @37923 has 42 MA's), (182, 38043), (187, 38052), (190, 38064), (202, 38097), (204, 38103), (208, 38121), (234, 38232), (255, 38313), (281, 38391), (284, 38403), (321, 38526), (329, 38556), (385, 38727), (393, 38748), (402, 38778), (415, 38811), (434, 38859),

Gene: Qyrzula_76 Start: 64899, Stop: 63859, Start Num: 128
Candidate Starts for Qyrzula_76:
(Start: 114 @64929 has 161 MA's), (Start: 128 @64899 has 1 MA's), (150, 64833), (153, 64824), (164, 64800), (171, 64776), (182, 64752), (257, 64497), (259, 64491), (260, 64479), (272, 64446), (279, 64425), (295, 64368), (296, 64365), (307, 64326), (310, 64317), (319, 64287), (323, 64272), (328, 64254), (335, 64230), (340, 64209), (348, 64179), (355, 64158), (374, 64092), (375, 64089), (384, 64062), (387, 64056), (414, 63981), (421, 63945),

Gene: REQ1_18 Start: 6081, Stop: 5032, Start Num: 111
Candidate Starts for REQ1_18:
(Start: 111 @6081 has 34 MA's), (130, 6033), (257, 5637), (299, 5499), (357, 5295), (385, 5232), (418, 5139), (453, 5043),

Gene: Racecar_176 Start: 116640, Stop: 117614, Start Num: 114
Candidate Starts for Racecar_176:
(Start: 114 @116640 has 161 MA's), (130, 116682), (255, 117021), (278, 117084), (287, 117126), (304, 117180), (328, 117258), (375, 117402), (384, 117429), (386, 117435), (439, 117573),

Gene: Raela_102 Start: 58129, Stop: 57059, Start Num: 111
Candidate Starts for Raela_102:
(Start: 76 @58201 has 6 MA's), (Start: 78 @58198 has 1 MA's), (Start: 82 @58192 has 16 MA's), (Start: 111 @58129 has 34 MA's), (120, 58114), (130, 58081), (159, 57988), (175, 57955), (184, 57931), (198, 57898), (199, 57895), (200, 57892), (206, 57877), (210, 57865), (219, 57838), (236,

57751), (240, 57739), (250, 57706), (255, 57679), (257, 57673), (260, 57655), (278, 57613), (281, 57598), (292, 57562), (296, 57550), (314, 57472), (318, 57466), (326, 57439), (332, 57418), (343, 57370), (351, 57343), (383, 57268), (392, 57247), (395, 57244), (453, 57076), (454, 57073),

Gene: RagingRooster_97 Start: 66904, Stop: 65846, Start Num: 114
Candidate Starts for RagingRooster_97:
(30, 67078), (Start: 42 @67048 has 7 MA's), (Start: 85 @66958 has 17 MA's), (Start: 114 @66904 has 161 MA's), (Start: 128 @66874 has 1 MA's), (150, 66790), (164, 66757), (200, 66685), (226, 66613), (244, 66532), (255, 66487), (257, 66481), (259, 66475), (260, 66463), (264, 66457), (272, 66427), (300, 66325), (307, 66307), (321, 66262), (340, 66190), (343, 66175), (352, 66148), (355, 66139), (370, 66082), (400, 65998), (406, 65974), (419, 65944),

Gene: Ramiel05_57 Start: 37326, Stop: 38321, Start Num: 133
Candidate Starts for Ramiel05_57:
(Start: 133 @37326 has 42 MA's), (182, 37446), (187, 37455), (190, 37467), (202, 37500), (204, 37506), (208, 37524), (234, 37635), (255, 37716), (281, 37794), (284, 37806), (321, 37929), (329, 37959), (385, 38130), (393, 38151), (402, 38181), (415, 38214), (434, 38262),

Gene: Rasputia_140 Start: 86821, Stop: 87828, Start Num: 127
Candidate Starts for Rasputia_140:
(51, 86671), (54, 86674), (Start: 127 @86821 has 37 MA's), (132, 86851), (162, 86932), (165, 86938), (227, 87082), (246, 87163), (262, 87235), (296, 87340), (300, 87361), (339, 87502), (341, 87508), (357, 87565), (383, 87631), (437, 87781),

Gene: RawrgerThat_90 Start: 68392, Stop: 67343, Start Num: 114
Candidate Starts for RawrgerThat_90:
(Start: 114 @68392 has 161 MA's), (131, 68338), (136, 68320), (150, 68278), (152, 68272), (164, 68245), (167, 68230), (200, 68176), (207, 68152), (226, 68104), (227, 68101), (228, 68086), (257, 67972), (260, 67954), (266, 67936), (272, 67918), (300, 67816), (336, 67699), (338, 67690), (343, 67666), (346, 67654), (347, 67651), (351, 67639), (374, 67561), (384, 67531), (398, 67501), (405, 67468), (433, 67402), (439, 67381), (454, 67348),

Gene: Reccee_91 Start: 67386, Stop: 66313, Start Num: 114
Candidate Starts for Reccee_91:
(51, 67500), (Start: 62 @67473 has 1 MA's), (Start: 114 @67386 has 161 MA's), (150, 67290), (164, 67257), (188, 67215), (220, 67134), (255, 66990), (257, 66984), (259, 66978), (279, 66912), (323, 66759), (338, 66705), (348, 66669), (351, 66660), (355, 66648), (359, 66639), (375, 66579), (378, 66570), (406, 66486), (408, 66480), (437, 66417), (457, 66366), (460, 66351), (466, 66333),

Gene: RedRaider77_100 Start: 57591, Stop: 56452, Start Num: 78
Candidate Starts for RedRaider77_100:
(Start: 76 @57594 has 6 MA's), (Start: 78 @57591 has 1 MA's), (Start: 82 @57585 has 16 MA's), (Start: 111 @57522 has 34 MA's), (120, 57507), (130, 57474), (159, 57381), (175, 57348), (184, 57324), (198, 57291), (199, 57288), (200, 57285), (206, 57270), (210, 57258), (219, 57231), (236, 57144), (240, 57132), (250, 57099), (255, 57072), (257, 57066), (260, 57048), (278, 57006), (281, 56991), (292, 56955), (296, 56943), (314, 56865), (318, 56859), (326, 56832), (332, 56811), (343, 56763), (351, 56736), (383, 56661), (392, 56640), (395, 56637), (453, 56469), (454, 56466),

Gene: ReginaGlobina_180 Start: 117379, Stop: 118386, Start Num: 114
Candidate Starts for ReginaGlobina_180:
(Start: 114 @117379 has 161 MA's), (130, 117421), (145, 117466), (177, 117553), (236, 117709), (255, 117790), (278, 117853), (300, 117937), (328, 118027), (340, 118072), (341, 118075), (371, 118159), (373, 118165), (375, 118171), (400, 118246),

Gene: RegnumDei_38 Start: 31135, Stop: 30074, Start Num: 108
Candidate Starts for RegnumDei_38:
(55, 31243), (Start: 108 @31135 has 2 MA's), (Start: 111 @31126 has 34 MA's), (130, 31078), (181, 30949), (184, 30943), (198, 30910), (213, 30865), (216, 30856), (224, 30823), (257, 30682), (259, 30676), (299, 30544), (385, 30280), (403, 30226), (418, 30187), (444, 30112),

Gene: Reindeer_147 Start: 76556, Stop: 75483, Start Num: 123
Candidate Starts for Reindeer_147:
(Start: 123 @76556 has 1 MA's), (130, 76532), (158, 76442), (175, 76406), (199, 76352), (210, 76319), (220, 76289), (225, 76265), (236, 76205), (260, 76109), (294, 76010), (295, 76007), (298, 75992), (317, 75920), (320, 75908), (321, 75905), (335, 75854), (343, 75818), (350, 75794), (388, 75695), (391, 75686), (403, 75650), (418, 75611), (453, 75515), (456, 75506),

Gene: Renkei_91 Start: 67770, Stop: 66724, Start Num: 114
Candidate Starts for Renkei_91:
(Start: 114 @67770 has 161 MA's), (131, 67716), (136, 67698), (150, 67656), (164, 67623), (167, 67608), (171, 67599), (187, 67581), (204, 67542), (226, 67479), (240, 67416), (257, 67347), (259, 67341), (260, 67329), (293, 67221), (296, 67212), (300, 67191), (323, 67119), (343, 67041), (346, 67032), (348, 67026), (351, 67017), (359, 66996), (374, 66939), (384, 66909), (400, 66867), (414, 66837), (433, 66783), (439, 66762), (450, 66738), (454, 66729),

Gene: Reprobate_89 Start: 66936, Stop: 65863, Start Num: 114
Candidate Starts for Reprobate_89:
(50, 67062), (56, 67050), (77, 67011), (Start: 114 @66936 has 161 MA's), (150, 66840), (164, 66807), (188, 66765), (197, 66735), (208, 66711), (220, 66684), (257, 66534), (259, 66528), (260, 66516), (276, 66474), (296, 66402), (334, 66270), (338, 66255), (341, 66243), (348, 66216), (351, 66207), (355, 66195), (363, 66162), (374, 66129), (375, 66126), (377, 66120), (378, 66117), (406, 66033), (408, 66027), (426, 65991), (458, 65910), (467, 65880),

Gene: Rey_164 Start: 77837, Stop: 76674, Start Num: 74
Candidate Starts for Rey_164:
(Start: 74 @77837 has 2 MA's), (Start: 86 @77819 has 1 MA's), (102, 77792), (Start: 122 @77747 has 14 MA's), (158, 77633), (172, 77603), (199, 77543), (236, 77396), (260, 77300), (278, 77258), (298, 77183), (313, 77120), (317, 77111), (319, 77102), (321, 77096), (323, 77087), (335, 77045), (339, 77027), (343, 77009), (350, 76985), (351, 76982), (391, 76877), (407, 76832), (418, 76802), (425, 76775), (453, 76706), (456, 76697), (458, 76688),

Gene: Rhinoforte_85 Start: 64826, Stop: 63756, Start Num: 114
Candidate Starts for Rhinoforte_85:
(Start: 114 @64826 has 161 MA's), (Start: 128 @64796 has 1 MA's), (150, 64730), (153, 64721), (164, 64697), (171, 64673), (182, 64649), (257, 64394), (259, 64388), (260, 64376), (272, 64343), (279, 64322), (295, 64265), (296, 64262), (307, 64223), (310, 64214), (319, 64184), (323, 64169), (328, 64151), (335, 64127), (340, 64106), (348, 64076), (355, 64055), (374, 63989), (375, 63986), (384, 63959), (387, 63953), (414, 63878), (421, 63842),

Gene: Rich_88 Start: 67174, Stop: 66101, Start Num: 114
Candidate Starts for Rich_88:
(51, 67288), (Start: 114 @67174 has 161 MA's), (150, 67078), (164, 67045), (220, 66922), (255, 66778), (257, 66772), (259, 66766), (279, 66700), (334, 66508), (338, 66493), (348, 66457), (351, 66448), (355, 66436), (359, 66427), (375, 66367), (378, 66358), (406, 66274), (408, 66268), (437, 66205), (460, 66139), (466, 66121),

Gene: RicoCaldo_18 Start: 12562, Stop: 11558, Start Num: 127
Candidate Starts for RicoCaldo_18:
(Start: 127 @12562 has 37 MA's), (174, 12433), (220, 12337), (233, 12268), (235, 12259), (254, 12184), (296, 12046), (321, 11953), (340, 11881), (343, 11866), (347, 11851), (351, 11839), (357, 11821), (375, 11776), (420, 11644), (436, 11605), (451, 11563),

Gene: Rikishi_264 Start: 122334, Stop: 121294, Start Num: 96
Candidate Starts for Rikishi_264:
(Start: 96 @122334 has 21 MA's), (Start: 116 @122289 has 134 MA's), (156, 122178), (167, 122145), (187, 122112), (199, 122100), (203, 122091), (227, 122043), (229, 122025), (230, 122022), (272, 121878), (276, 121869), (285, 121827), (296, 121797), (306, 121758), (312, 121740), (321, 121710), (338, 121647), (375, 121515), (396, 121455), (409, 121407), (435, 121350), (449, 121314),

Gene: Rikishi_2 Start: 2261, Stop: 1221, Start Num: 96
Candidate Starts for Rikishi_2:
(Start: 96 @2261 has 21 MA's), (Start: 116 @2216 has 134 MA's), (156, 2105), (167, 2072), (187, 2039), (199, 2027), (203, 2018), (227, 1970), (229, 1952), (230, 1949), (272, 1805), (276, 1796), (285, 1754), (296, 1724), (306, 1685), (312, 1667), (321, 1637), (338, 1574), (375, 1442), (396, 1382), (409, 1334), (435, 1277), (449, 1241),

Gene: Rinkes_87 Start: 68343, Stop: 67258, Start Num: 114
Candidate Starts for Rinkes_87:
(37, 68496), (Start: 114 @68343 has 161 MA's), (150, 68247), (164, 68214), (191, 68133), (193, 68127), (195, 68121), (199, 68109), (202, 68103), (204, 68097), (227, 68031), (237, 67980), (257, 67902), (259, 67896), (264, 67878), (279, 67833), (307, 67734), (310, 67725), (316, 67701), (338, 67626), (345, 67593), (351, 67578), (355, 67566), (359, 67557), (369, 67518), (371, 67509), (374, 67500), (375, 67497), (377, 67491), (378, 67488), (379, 67482), (402, 67416), (406, 67404), (431, 67353),

Gene: Riparian_63 Start: 44163, Stop: 45359, Start Num: 72
Candidate Starts for Riparian_63:
(Start: 72 @44163 has 13 MA's), (81, 44178), (Start: 112 @44244 has 9 MA's), (120, 44253), (142, 44334), (148, 44355), (154, 44370), (166, 44397), (192, 44457), (199, 44478), (209, 44511), (234, 44622), (235, 44628), (239, 44640), (251, 44679), (257, 44709), (270, 44748), (294, 44826), (296, 44832), (299, 44847), (336, 44985), (343, 45018), (350, 45042), (385, 45135), (391, 45153), (402, 45186), (434, 45270), (439, 45291), (445, 45306), (453, 45324), (454, 45327), (456, 45333), (458, 45342), (459, 45345),

Gene: Riptide_257 Start: 123758, Stop: 122736, Start Num: 116
Candidate Starts for Riptide_257:
(Start: 116 @123758 has 134 MA's), (145, 123677), (156, 123647), (167, 123614), (172, 123599), (178, 123587), (186, 123581), (202, 123542), (227, 123488), (253, 123377), (254, 123374), (272, 123323), (284, 123278), (296, 123242), (306, 123203), (312, 123185), (321, 123155), (338, 123092), (342, 123074), (367, 122996), (375, 122963), (409, 122855), (420, 122837), (435, 122798),

Gene: Riptide_2 Start: 2306, Stop: 1284, Start Num: 116
Candidate Starts for Riptide_2:
(Start: 116 @2306 has 134 MA's), (145, 2225), (156, 2195), (167, 2162), (172, 2147), (178, 2135), (186, 2129), (202, 2090), (227, 2036), (253, 1925), (254, 1922), (272, 1871), (284, 1826), (296, 1790), (306, 1751), (312, 1733), (321, 1703), (338, 1640), (342, 1622), (367, 1544), (375, 1511), (409, 1403), (420, 1385), (435, 1346),

Gene: Rita130_89 Start: 67088, Stop: 66015, Start Num: 114

Candidate Starts for Rita130_89:
(Start: 114 @67088 has 161 MA's), (150, 66992), (164, 66959), (188, 66917), (220, 66836), (257, 66686), (259, 66680), (279, 66614), (323, 66461), (334, 66422), (338, 66407), (348, 66371), (351, 66362), (355, 66350), (359, 66341), (375, 66281), (378, 66272), (406, 66188), (408, 66182), (437, 66119), (460, 66053), (466, 66035),

Gene: Rita1961_98 Start: 67249, Stop: 66191, Start Num: 114
Candidate Starts for Rita1961_98:
(30, 67423), (Start: 42 @67393 has 7 MA's), (Start: 85 @67303 has 17 MA's), (Start: 114 @67249 has 161 MA's), (Start: 128 @67219 has 1 MA's), (150, 67135), (164, 67102), (200, 67030), (226, 66958), (244, 66877), (255, 66832), (257, 66826), (259, 66820), (260, 66808), (272, 66772), (300, 66670), (307, 66652), (321, 66607), (340, 66535), (343, 66520), (352, 66493), (355, 66484), (370, 66427), (400, 66343), (406, 66319), (419, 66289),

Gene: RobinSparkles_123 Start: 79116, Stop: 78055, Start Num: 111
Candidate Starts for RobinSparkles_123:
(Start: 111 @79116 has 34 MA's), (Start: 123 @79092 has 1 MA's), (163, 78963), (172, 78945), (217, 78840), (228, 78780), (270, 78630), (305, 78510), (327, 78432), (328, 78426), (339, 78384), (347, 78351), (357, 78321), (385, 78258), (391, 78240), (439, 78099), (444, 78087), (448, 78078),

Gene: RobsFeet_62 Start: 38777, Stop: 39772, Start Num: 133
Candidate Starts for RobsFeet_62:
(Start: 133 @38777 has 42 MA's), (182, 38897), (187, 38906), (190, 38918), (202, 38951), (204, 38957), (208, 38975), (224, 39032), (234, 39086), (270, 39209), (281, 39245), (284, 39257), (321, 39380), (343, 39470), (385, 39581), (393, 39602), (402, 39632), (407, 39644), (415, 39665), (434, 39713),

Gene: Rockabye_177 Start: 108727, Stop: 109707, Start Num: 114
Candidate Starts for Rockabye_177:
(Start: 114 @108727 has 161 MA's), (130, 108769), (255, 109105), (262, 109132), (278, 109168), (299, 109246), (328, 109342), (341, 109390), (371, 109474), (375, 109486), (386, 109519), (448, 109687),

Gene: Rockwell_57 Start: 37326, Stop: 38321, Start Num: 133
Candidate Starts for Rockwell_57:
(Start: 133 @37326 has 42 MA's), (182, 37446), (187, 37455), (190, 37467), (202, 37500), (204, 37506), (208, 37524), (234, 37635), (255, 37716), (281, 37794), (284, 37806), (321, 37929), (329, 37959), (385, 38130), (393, 38151), (402, 38181), (415, 38214), (434, 38262),

Gene: RomaT_97 Start: 67526, Stop: 66414, Start Num: 85
Candidate Starts for RomaT_97:
(30, 67646), (Start: 42 @67616 has 7 MA's), (Start: 85 @67526 has 17 MA's), (Start: 114 @67472 has 161 MA's), (Start: 128 @67442 has 1 MA's), (150, 67358), (164, 67325), (200, 67253), (226, 67181), (244, 67100), (255, 67055), (257, 67049), (259, 67043), (260, 67031), (272, 66995), (300, 66893), (307, 66875), (321, 66830), (340, 66758), (343, 66743), (352, 66716), (355, 66707), (370, 66650), (400, 66566), (406, 66542), (419, 66512),

Gene: Ronaldo_83 Start: 43764, Stop: 42694, Start Num: 111
Candidate Starts for Ronaldo_83:
(93, 43809), (Start: 105 @43779 has 1 MA's), (Start: 111 @43764 has 34 MA's), (Start: 123 @43740 has 1 MA's), (130, 43716), (147, 43644), (151, 43632), (172, 43593), (234, 43395), (236, 43386), (259, 43302), (274, 43260), (278, 43248), (281, 43233), (296, 43185), (328, 43068), (343, 43011), (351, 42984), (377, 42924), (427, 42774), (437, 42750), (441, 42735), (445, 42726), (448, 42720),

Gene: Rope_61 Start: 44561, Stop: 45757, Start Num: 72
Candidate Starts for Rope_61:
(Start: 72 @44561 has 13 MA's), (81, 44576), (Start: 112 @44642 has 9 MA's), (120, 44651), (142, 44732), (148, 44753), (154, 44768), (166, 44795), (192, 44855), (199, 44876), (209, 44909), (234, 45020), (235, 45026), (239, 45038), (251, 45077), (257, 45107), (270, 45146), (293, 45221), (294, 45224), (296, 45230), (299, 45245), (336, 45383), (350, 45440), (385, 45533), (391, 45551), (402, 45584), (434, 45668), (439, 45689), (445, 45704), (453, 45722), (454, 45725), (456, 45731), (458, 45740), (459, 45743),

Gene: RoseMarie_153 Start: 78042, Stop: 76969, Start Num: 122
Candidate Starts for RoseMarie_153:
(39, 78219), (44, 78207), (Start: 76 @78138 has 6 MA's), (88, 78117), (Start: 122 @78042 has 14 MA's), (151, 77937), (158, 77928), (175, 77892), (199, 77838), (210, 77805), (220, 77775), (236, 77691), (260, 77595), (281, 77538), (294, 77496), (298, 77478), (313, 77415), (317, 77406), (320, 77394), (321, 77391), (335, 77340), (350, 77280), (388, 77181), (391, 77172), (403, 77136), (418, 77097), (453, 77001), (456, 76992),

Gene: Rosebush_83 Start: 64898, Stop: 63828, Start Num: 114
Candidate Starts for Rosebush_83:
(Start: 114 @64898 has 161 MA's), (Start: 128 @64868 has 1 MA's), (150, 64802), (153, 64793), (164, 64769), (171, 64745), (182, 64721), (257, 64466), (259, 64460), (260, 64448), (272, 64415), (279, 64394), (295, 64337), (296, 64334), (307, 64295), (310, 64286), (319, 64256), (323, 64241), (335, 64199), (340, 64178), (348, 64148), (355, 64127), (374, 64061), (375, 64058), (384, 64031), (387, 64025), (414, 63950), (421, 63914),

Gene: SFuller_47 Start: 34228, Stop: 33161, Start Num: 111
Candidate Starts for SFuller_47:
(Start: 108 @34237 has 2 MA's), (Start: 111 @34228 has 34 MA's), (130, 34180), (224, 33925), (251, 33814), (257, 33784), (299, 33646), (364, 33421), (385, 33361), (415, 33277), (444, 33193), (453, 33172),

Gene: SJReid_179 Start: 106944, Stop: 107924, Start Num: 114
Candidate Starts for SJReid_179:
(Start: 114 @106944 has 161 MA's), (130, 106986), (255, 107322), (262, 107349), (278, 107385), (299, 107463), (328, 107559), (340, 107604), (341, 107607), (352, 107646), (355, 107655), (371, 107691), (375, 107703), (386, 107736), (448, 107904), (450, 107910),

Gene: Sabella_85 Start: 64734, Stop: 63664, Start Num: 114
Candidate Starts for Sabella_85:
(Start: 114 @64734 has 161 MA's), (Start: 128 @64704 has 1 MA's), (150, 64638), (153, 64629), (164, 64605), (171, 64581), (182, 64557), (257, 64302), (259, 64296), (260, 64284), (272, 64251), (279, 64230), (295, 64173), (296, 64170), (307, 64131), (310, 64122), (319, 64092), (323, 64077), (328, 64059), (335, 64035), (340, 64014), (348, 63984), (355, 63963), (374, 63897), (375, 63894), (384, 63867), (387, 63861), (414, 63786), (421, 63750),

Gene: Saguaro_84 Start: 66210, Stop: 65080, Start Num: 62
Candidate Starts for Saguaro_84:
(Start: 62 @66210 has 1 MA's), (83, 66177), (Start: 114 @66126 has 161 MA's), (150, 66030), (164, 65997), (167, 65982), (188, 65955), (195, 65931), (207, 65916), (209, 65910), (226, 65868), (255, 65742), (257, 65736), (259, 65730), (268, 65691), (276, 65676), (287, 65625), (293, 65613), (296, 65604), (316, 65532), (321, 65520), (323, 65511), (338, 65457), (348, 65418), (351, 65409), (355, 65397), (359, 65388), (369, 65349), (371, 65340), (374, 65331), (375, 65328), (378, 65319), (406,

65235), (408, 65229), (417, 65211), (426, 65193), (431, 65184), (448, 65142),

Gene: SaltySpitoon_3 Start: 2606, Stop: 1611, Start Num: 116
Candidate Starts for SaltySpitoon_3:
(Start: 96 @2651 has 21 MA's), (Start: 116 @2606 has 134 MA's), (156, 2495), (167, 2462), (187, 2429), (199, 2417), (203, 2408), (227, 2360), (229, 2342), (230, 2339), (272, 2195), (276, 2186), (285, 2144), (296, 2114), (306, 2075), (312, 2057), (321, 2027), (338, 1964), (375, 1832), (396, 1772), (409, 1724), (435, 1667), (449, 1631),

Gene: SaltySpitoon_263 Start: 120870, Stop: 119875, Start Num: 116
Candidate Starts for SaltySpitoon_263:
(Start: 96 @120915 has 21 MA's), (Start: 116 @120870 has 134 MA's), (156, 120759), (167, 120726), (187, 120693), (199, 120681), (203, 120672), (227, 120624), (229, 120606), (230, 120603), (272, 120459), (276, 120450), (285, 120408), (296, 120378), (306, 120339), (312, 120321), (321, 120291), (338, 120228), (375, 120096), (396, 120036), (409, 119988), (435, 119931), (449, 119895),

Gene: Samisti12_2 Start: 2223, Stop: 1210, Start Num: 116
Candidate Starts for Samisti12_2:
(Start: 116 @2223 has 134 MA's), (156, 2112), (178, 2052), (187, 2043), (193, 2022), (202, 2007), (227, 1956), (253, 1845), (272, 1791), (296, 1710), (306, 1671), (312, 1653), (321, 1623), (338, 1560), (362, 1476), (367, 1464), (375, 1431), (396, 1371), (409, 1323), (420, 1305), (435, 1266),

Gene: Samisti12_253 Start: 125267, Stop: 124254, Start Num: 116
Candidate Starts for Samisti12_253:
(Start: 116 @125267 has 134 MA's), (156, 125156), (178, 125096), (187, 125087), (193, 125066), (202, 125051), (227, 125000), (253, 124889), (272, 124835), (296, 124754), (306, 124715), (312, 124697), (321, 124667), (338, 124604), (362, 124520), (367, 124508), (375, 124475), (396, 124415), (409, 124367), (420, 124349), (435, 124310),

Gene: Savannah_57 Start: 37353, Stop: 38348, Start Num: 133
Candidate Starts for Savannah_57:
(Start: 133 @37353 has 42 MA's), (182, 37473), (187, 37482), (190, 37494), (202, 37527), (204, 37533), (208, 37551), (234, 37662), (255, 37743), (281, 37821), (284, 37833), (321, 37956), (329, 37986), (385, 38157), (393, 38178), (402, 38208), (415, 38241), (434, 38289),

Gene: Scheme_256 Start: 125574, Stop: 124561, Start Num: 116
Candidate Starts for Scheme_256:
(Start: 45 @125721 has 4 MA's), (Start: 67 @125667 has 4 MA's), (79, 125649), (Start: 116 @125574 has 134 MA's), (156, 125463), (178, 125403), (187, 125394), (193, 125373), (202, 125358), (227, 125307), (253, 125196), (272, 125142), (296, 125061), (306, 125022), (312, 125004), (321, 124974), (338, 124911), (362, 124827), (367, 124815), (375, 124782), (396, 124722), (409, 124674), (420, 124656), (435, 124617),

Gene: Scheme_3 Start: 2379, Stop: 1366, Start Num: 116
Candidate Starts for Scheme_3:
(Start: 45 @2526 has 4 MA's), (Start: 67 @2472 has 4 MA's), (79, 2454), (Start: 116 @2379 has 134 MA's), (156, 2268), (178, 2208), (187, 2199), (193, 2178), (202, 2163), (227, 2112), (253, 2001), (272, 1947), (296, 1866), (306, 1827), (312, 1809), (321, 1779), (338, 1716), (362, 1632), (367, 1620), (375, 1587), (396, 1527), (409, 1479), (420, 1461), (435, 1422),

Gene: ScoobySnack_47 Start: 30666, Stop: 31676, Start Num: 105
Candidate Starts for ScoobySnack_47:

(Start: 82 @30624 has 16 MA's), (Start: 105 @30666 has 1 MA's), (150, 30762), (167, 30810), (217, 30900), (257, 31059), (259, 31065), (261, 31077), (263, 31080), (287, 31158), (289, 31161), (340, 31335), (393, 31491), (414, 31563), (431, 31605), (455, 31665),

Gene: Scumberland_59 Start: 37548, Stop: 38543, Start Num: 133
Candidate Starts for Scumberland_59:
(Start: 133 @37548 has 42 MA's), (182, 37668), (187, 37677), (190, 37689), (202, 37722), (204, 37728), (208, 37746), (234, 37857), (255, 37938), (281, 38016), (284, 38028), (296, 38064), (321, 38151), (329, 38181), (385, 38352), (393, 38373), (402, 38403), (415, 38436), (434, 38484),

Gene: Selwyn23_59 Start: 37496, Stop: 38491, Start Num: 133
Candidate Starts for Selwyn23_59:
(Start: 133 @37496 has 42 MA's), (182, 37616), (187, 37625), (190, 37637), (202, 37670), (204, 37676), (208, 37694), (234, 37805), (255, 37886), (281, 37964), (284, 37976), (321, 38099), (329, 38129), (385, 38300), (393, 38321), (402, 38351), (415, 38384), (434, 38432),

Gene: Send513_61 Start: 44696, Stop: 45892, Start Num: 72
Candidate Starts for Send513_61:
(Start: 72 @44696 has 13 MA's), (81, 44711), (Start: 112 @44777 has 9 MA's), (120, 44786), (142, 44867), (148, 44888), (154, 44903), (166, 44930), (192, 44990), (199, 45011), (209, 45044), (234, 45155), (235, 45161), (239, 45173), (251, 45212), (257, 45242), (270, 45281), (294, 45359), (296, 45365), (299, 45380), (336, 45518), (343, 45551), (350, 45575), (385, 45668), (391, 45686), (402, 45719), (434, 45803), (439, 45824), (445, 45839), (453, 45857), (454, 45860), (456, 45866), (458, 45875), (459, 45878),

Gene: Serendipitous_91 Start: 67097, Stop: 66021, Start Num: 114
Candidate Starts for Serendipitous_91:
(Start: 114 @67097 has 161 MA's), (150, 67001), (164, 66968), (220, 66845), (255, 66701), (257, 66695), (259, 66689), (279, 66623), (296, 66563), (323, 66470), (328, 66452), (334, 66431), (338, 66416), (340, 66407), (348, 66377), (351, 66368), (355, 66356), (375, 66287), (378, 66278), (406, 66194), (408, 66188), (460, 66062), (466, 66044),

Gene: SeresaTree_219 Start: 108748, Stop: 109758, Start Num: 113
Candidate Starts for SeresaTree_219:
(Start: 113 @108748 has 18 MA's), (Start: 128 @108778 has 1 MA's), (145, 108829), (156, 108859), (169, 108898), (208, 108967), (299, 109264), (325, 109348), (338, 109396), (343, 109420), (344, 109426), (369, 109504), (377, 109531), (432, 109690), (444, 109723), (445, 109726), (450, 109738),

Gene: Shade_76 Start: 50360, Stop: 49365, Start Num: 121
Candidate Starts for Shade_76:
(Start: 121 @50360 has 22 MA's), (157, 50267), (189, 50204), (196, 50186), (251, 50006), (255, 49982), (257, 49976), (260, 49958), (262, 49955), (286, 49880), (302, 49829), (340, 49700), (343, 49685), (355, 49649), (365, 49616), (429, 49433),

Gene: Shagrat_38 Start: 31485, Stop: 30412, Start Num: 111
Candidate Starts for Shagrat_38:
(Start: 111 @31485 has 34 MA's), (130, 31437), (181, 31308), (184, 31302), (198, 31269), (217, 31212), (224, 31182), (243, 31092), (257, 31041), (259, 31035), (299, 30903), (385, 30618), (390, 30603), (403, 30564), (418, 30525),

Gene: Sham_210 Start: 109632, Stop: 110651, Start Num: 113
Candidate Starts for Sham_210:

(Start: 113 @109632 has 18 MA's), (Start: 128 @109662 has 1 MA's), (156, 109749), (169, 109788), (194, 109827), (208, 109860), (278, 110079), (291, 110127), (300, 110163), (302, 110169), (338, 110289), (343, 110313), (344, 110319), (345, 110322), (375, 110418), (389, 110448), (428, 110577), (444, 110616), (445, 110619), (450, 110631),

Gene: Shatter_80 Start: 59316, Stop: 58309, Start Num: 114
Candidate Starts for Shatter_80:
(Start: 114 @59316 has 161 MA's), (150, 59220), (164, 59187), (167, 59172), (194, 59121), (207, 59106), (255, 58932), (257, 58926), (260, 58908), (279, 58854), (289, 58812), (293, 58803), (300, 58773), (316, 58722), (369, 58539), (374, 58521), (375, 58518), (387, 58485), (400, 58449), (449, 58326),

Gene: Shenandoah_97 Start: 66824, Stop: 65766, Start Num: 114
Candidate Starts for Shenandoah_97:
(30, 66998), (Start: 42 @66968 has 7 MA's), (Start: 85 @66878 has 17 MA's), (Start: 114 @66824 has 161 MA's), (Start: 128 @66794 has 1 MA's), (150, 66710), (164, 66677), (200, 66605), (226, 66533), (244, 66452), (255, 66407), (257, 66401), (259, 66395), (260, 66383), (264, 66377), (272, 66347), (300, 66245), (307, 66227), (321, 66182), (340, 66110), (343, 66095), (352, 66068), (355, 66059), (370, 66002), (400, 65918), (406, 65894), (419, 65864),

Gene: Shenyu_91 Start: 67503, Stop: 66430, Start Num: 114
Candidate Starts for Shenyu_91:
(13, 67812), (27, 67698), (35, 67656), (Start: 114 @67503 has 161 MA's), (150, 67407), (164, 67374), (188, 67332), (217, 67260), (220, 67251), (255, 67107), (257, 67101), (259, 67095), (279, 67029), (296, 66969), (323, 66876), (326, 66867), (334, 66837), (338, 66822), (348, 66783), (351, 66774), (355, 66762), (375, 66693), (377, 66687), (378, 66684), (406, 66600), (408, 66594), (426, 66555), (460, 66465), (461, 66462), (466, 66447),

Gene: Shotgun_58 Start: 37229, Stop: 38224, Start Num: 133
Candidate Starts for Shotgun_58:
(Start: 133 @37229 has 42 MA's), (182, 37349), (187, 37358), (190, 37370), (202, 37403), (204, 37409), (208, 37427), (234, 37538), (255, 37619), (270, 37661), (281, 37697), (284, 37709), (321, 37832), (329, 37862), (385, 38033), (393, 38054), (402, 38084), (415, 38117), (434, 38165),

Gene: Shrubaron_61 Start: 38390, Stop: 39385, Start Num: 133
Candidate Starts for Shrubaron_61:
(Start: 133 @38390 has 42 MA's), (182, 38510), (187, 38519), (190, 38531), (202, 38564), (204, 38570), (208, 38588), (224, 38645), (234, 38699), (270, 38822), (281, 38858), (284, 38870), (321, 38993), (343, 39083), (385, 39194), (393, 39215), (407, 39257), (415, 39278), (434, 39326),

Gene: Shuckle_2 Start: 2247, Stop: 1234, Start Num: 116
Candidate Starts for Shuckle_2:
(Start: 45 @2394 has 4 MA's), (Start: 67 @2340 has 4 MA's), (79, 2322), (Start: 116 @2247 has 134 MA's), (145, 2166), (156, 2136), (186, 2070), (193, 2046), (202, 2031), (227, 1980), (253, 1869), (272, 1815), (296, 1734), (306, 1695), (312, 1677), (321, 1647), (338, 1584), (342, 1566), (367, 1488), (375, 1455), (409, 1347), (420, 1329), (435, 1290),

Gene: Shuckle_250 Start: 124880, Stop: 123867, Start Num: 116
Candidate Starts for Shuckle_250:
(Start: 45 @125027 has 4 MA's), (Start: 67 @124973 has 4 MA's), (79, 124955), (Start: 116 @124880 has 134 MA's), (145, 124799), (156, 124769), (186, 124703), (193, 124679), (202, 124664), (227, 124613), (253, 124502), (272, 124448), (296, 124367), (306, 124328), (312, 124310), (321, 124280), (338, 124217), (342, 124199), (367, 124121), (375, 124088), (409, 123980), (420, 123962), (435,

123923),

Gene: ShyRosie_17 Start: 12296, Stop: 11307, Start Num: 127
Candidate Starts for ShyRosie_17:
(Start: 127 @12296 has 37 MA's), (163, 12182), (174, 12167), (226, 12053), (233, 12014), (235, 12005), (256, 11921), (296, 11792), (321, 11699), (343, 11612), (386, 11492), (415, 11414), (427, 11372), (436, 11354), (445, 11327),

Gene: Sicarius2_78 Start: 48605, Stop: 47610, Start Num: 121
Candidate Starts for Sicarius2_78:
(Start: 121 @48605 has 22 MA's), (157, 48512), (177, 48458), (189, 48449), (196, 48431), (251, 48251), (257, 48221), (260, 48203), (289, 48119), (293, 48110), (302, 48074), (312, 48047), (355, 47894), (365, 47861), (429, 47678),

Gene: SirFrank_58 Start: 37508, Stop: 38503, Start Num: 133
Candidate Starts for SirFrank_58:
(Start: 133 @37508 has 42 MA's), (182, 37628), (187, 37637), (190, 37649), (202, 37682), (204, 37688), (208, 37706), (234, 37817), (255, 37898), (270, 37940), (281, 37976), (284, 37988), (321, 38111), (329, 38141), (385, 38312), (393, 38333), (407, 38375), (415, 38396), (434, 38444),

Gene: SirJeffery_88 Start: 67154, Stop: 65760, Start Num: 114
Candidate Starts for SirJeffery_88:
(48, 67277), (50, 67271), (Start: 114 @67154 has 161 MA's), (150, 67058), (164, 67025), (188, 66983), (220, 66902), (257, 66752), (259, 66746), (279, 66680), (323, 66527), (338, 66473), (348, 66437), (351, 66428), (355, 66416), (359, 66407), (375, 66347), (378, 66338), (406, 66254), (408, 66248), (437, 66185), (457, 66134), (460, 66119), (469, 66083), (473, 66062), (475, 65954), (476, 65915), (477, 65804), (478, 65783),

Gene: Sisko_78 Start: 59761, Stop: 58751, Start Num: 114
Candidate Starts for Sisko_78:
(41, 59902), (70, 59839), (Start: 114 @59761 has 161 MA's), (150, 59665), (164, 59632), (187, 59590), (209, 59548), (255, 59380), (257, 59374), (259, 59368), (276, 59311), (293, 59248), (300, 59218), (310, 59191), (328, 59128), (338, 59092), (348, 59053), (375, 58963), (400, 58894), (406, 58870), (408, 58864), (450, 58771),

Gene: Skinny_152 Start: 76530, Stop: 75361, Start Num: 76
Candidate Starts for Skinny_152:
(39, 76611), (44, 76599), (Start: 76 @76530 has 6 MA's), (88, 76509), (Start: 122 @76434 has 14 MA's), (151, 76329), (158, 76320), (175, 76284), (199, 76230), (210, 76197), (220, 76167), (236, 76083), (260, 75987), (281, 75930), (294, 75888), (298, 75870), (313, 75807), (317, 75798), (320, 75786), (321, 75783), (335, 75732), (350, 75672), (388, 75573), (391, 75564), (403, 75528), (418, 75489), (425, 75462), (453, 75393), (456, 75384),

Gene: Skugga_57 Start: 37335, Stop: 38330, Start Num: 134
Candidate Starts for Skugga_57:
(Start: 134 @37335 has 5 MA's), (138, 37350), (182, 37455), (187, 37464), (190, 37476), (202, 37509), (204, 37515), (208, 37533), (224, 37590), (234, 37644), (270, 37767), (281, 37803), (284, 37815), (296, 37851), (321, 37938), (329, 37968), (343, 38028), (385, 38139), (393, 38160), (407, 38202), (415, 38223),

Gene: SlimJimmy_146 Start: 75904, Stop: 74831, Start Num: 122
Candidate Starts for SlimJimmy_146:

(39, 76081), (44, 76069), (Start: 76 @76000 has 6 MA's), (88, 75979), (Start: 122 @75904 has 14 MA's), (151, 75799), (158, 75790), (175, 75754), (199, 75700), (210, 75667), (220, 75637), (236, 75553), (260, 75457), (281, 75400), (294, 75358), (298, 75340), (313, 75277), (317, 75268), (320, 75256), (321, 75253), (335, 75202), (350, 75142), (388, 75043), (391, 75034), (403, 74998), (418, 74959), (453, 74863), (456, 74854),

Gene: SlippinJimmy_100 Start: 68272, Stop: 67214, Start Num: 114
Candidate Starts for SlippinJimmy_100:
(30, 68446), (Start: 42 @68416 has 7 MA's), (Start: 85 @68326 has 17 MA's), (Start: 114 @68272 has 161 MA's), (Start: 128 @68242 has 1 MA's), (150, 68158), (164, 68125), (200, 68053), (226, 67981), (244, 67900), (255, 67855), (257, 67849), (259, 67843), (260, 67831), (264, 67825), (272, 67795), (300, 67693), (307, 67675), (321, 67630), (340, 67558), (343, 67543), (352, 67516), (355, 67507), (370, 67450), (400, 67366), (406, 67342), (419, 67312),

Gene: Smarties_67 Start: 39139, Stop: 40134, Start Num: 134
Candidate Starts for Smarties_67:
(Start: 134 @39139 has 5 MA's), (138, 39154), (182, 39259), (187, 39268), (190, 39280), (202, 39313), (204, 39319), (208, 39337), (224, 39394), (234, 39448), (255, 39529), (270, 39571), (281, 39607), (284, 39619), (321, 39742), (329, 39772), (343, 39832), (385, 39943), (393, 39964), (407, 40006), (448, 40117),

Gene: SoilSleuth_17 Start: 12338, Stop: 11307, Start Num: 127
Candidate Starts for SoilSleuth_17:
(Start: 127 @12338 has 37 MA's), (163, 12224), (174, 12209), (226, 12053), (233, 12014), (235, 12005), (251, 11948), (256, 11921), (296, 11792), (321, 11699), (343, 11612), (386, 11492), (415, 11414), (427, 11372), (436, 11354), (445, 11327),

Gene: Sollertia_260 Start: 121518, Stop: 120517, Start Num: 116
Candidate Starts for Sollertia_260:
(Start: 82 @121584 has 16 MA's), (Start: 85 @121575 has 17 MA's), (Start: 116 @121518 has 134 MA's), (156, 121407), (203, 121320), (260, 121128), (272, 121107), (276, 121098), (285, 121056), (296, 121026), (306, 120987), (312, 120969), (321, 120939), (338, 120876), (375, 120744), (396, 120684), (409, 120636), (420, 120618), (435, 120579),

Gene: Sollertia_4 Start: 2628, Stop: 1627, Start Num: 116
Candidate Starts for Sollertia_4:
(Start: 82 @2694 has 16 MA's), (Start: 85 @2685 has 17 MA's), (Start: 116 @2628 has 134 MA's), (156, 2517), (203, 2430), (260, 2238), (272, 2217), (276, 2208), (285, 2166), (296, 2136), (306, 2097), (312, 2079), (321, 2049), (338, 1986), (375, 1854), (396, 1794), (409, 1746), (420, 1728), (435, 1689),

Gene: Sonali_94 Start: 58994, Stop: 57999, Start Num: 114
Candidate Starts for Sonali_94:
(Start: 114 @58994 has 161 MA's), (150, 58898), (157, 58880), (172, 58835), (173, 58832), (254, 58613), (257, 58601), (260, 58583), (262, 58580), (321, 58397), (340, 58325), (355, 58274), (368, 58223), (375, 58199), (377, 58193), (400, 58130), (402, 58118),

Gene: Sonny_76 Start: 50316, Stop: 49321, Start Num: 121
Candidate Starts for Sonny_76:
(Start: 121 @50316 has 22 MA's), (157, 50223), (189, 50160), (196, 50142), (238, 50007), (251, 49962), (255, 49938), (257, 49932), (260, 49914), (262, 49911), (286, 49836), (302, 49785), (340, 49656), (343, 49641), (355, 49605), (365, 49572), (429, 49389),

Gene: Soos_1 Start: 1, Stop: 1032, Start Num: 109

Candidate Starts for Soos_1:
(Start: 109 @1 has 7 MA's), (150, 97), (191, 199), (254, 406), (257, 418), (259, 424), (277, 481), (287, 526), (296, 547), (307, 586), (340, 703), (343, 718), (354, 754), (355, 757),

Gene: Sour_74 Start: 59508, Stop: 58498, Start Num: 114
Candidate Starts for Sour_74:
(Start: 114 @59508 has 161 MA's), (150, 59412), (164, 59379), (226, 59253), (227, 59250), (257, 59121), (259, 59115), (260, 59103), (276, 59058), (293, 58995), (296, 58986), (300, 58965), (323, 58893), (328, 58875), (338, 58839), (348, 58800), (374, 58713), (375, 58710), (384, 58683), (406, 58617),

Gene: SparkleGoddess_218 Start: 108469, Stop: 109491, Start Num: 112
Candidate Starts for SparkleGoddess_218:
(Start: 112 @108469 has 9 MA's), (Start: 128 @108499 has 1 MA's), (156, 108580), (164, 108598), (187, 108640), (192, 108658), (203, 108676), (258, 108856), (278, 108919), (285, 108952), (289, 108964), (291, 108967), (295, 108979), (316, 109054), (338, 109129), (343, 109153), (353, 109183), (371, 109246), (449, 109465),

Gene: Spelly_3 Start: 2651, Stop: 1611, Start Num: 96
Candidate Starts for Spelly_3:
(Start: 96 @2651 has 21 MA's), (Start: 116 @2606 has 134 MA's), (156, 2495), (167, 2462), (187, 2429), (199, 2417), (203, 2408), (227, 2360), (229, 2342), (230, 2339), (272, 2195), (276, 2186), (285, 2144), (296, 2114), (306, 2075), (312, 2057), (321, 2027), (338, 1964), (375, 1832), (396, 1772), (409, 1724), (435, 1667), (449, 1631),

Gene: Spelly_269 Start: 121455, Stop: 120415, Start Num: 96
Candidate Starts for Spelly_269:
(Start: 96 @121455 has 21 MA's), (Start: 116 @121410 has 134 MA's), (156, 121299), (167, 121266), (187, 121233), (199, 121221), (203, 121212), (227, 121164), (229, 121146), (230, 121143), (272, 120999), (276, 120990), (285, 120948), (296, 120918), (306, 120879), (312, 120861), (321, 120831), (338, 120768), (375, 120636), (396, 120576), (409, 120528), (435, 120471), (449, 120435),

Gene: Spilled_2 Start: 2261, Stop: 1221, Start Num: 96
Candidate Starts for Spilled_2:
(Start: 96 @2261 has 21 MA's), (Start: 116 @2216 has 134 MA's), (156, 2105), (167, 2072), (187, 2039), (199, 2027), (203, 2018), (227, 1970), (229, 1952), (230, 1949), (272, 1805), (276, 1796), (285, 1754), (296, 1724), (306, 1685), (312, 1667), (321, 1637), (338, 1574), (375, 1442), (396, 1382), (409, 1334), (435, 1277), (449, 1241),

Gene: Spilled_270 Start: 122730, Stop: 121690, Start Num: 96
Candidate Starts for Spilled_270:
(Start: 96 @122730 has 21 MA's), (Start: 116 @122685 has 134 MA's), (156, 122574), (167, 122541), (187, 122508), (199, 122496), (203, 122487), (227, 122439), (229, 122421), (230, 122418), (272, 122274), (276, 122265), (285, 122223), (296, 122193), (306, 122154), (312, 122136), (321, 122106), (338, 122043), (375, 121911), (396, 121851), (409, 121803), (435, 121746), (449, 121710),

Gene: Squillium_255 Start: 123941, Stop: 122928, Start Num: 116
Candidate Starts for Squillium_255:
(43, 124091), (57, 124055), (Start: 67 @124034 has 4 MA's), (79, 124016), (Start: 116 @123941 has 134 MA's), (145, 123860), (156, 123830), (178, 123770), (193, 123740), (202, 123725), (203, 123722), (227, 123674), (253, 123563), (272, 123509), (284, 123464), (296, 123428), (306, 123389), (312, 123371), (321, 123341), (367, 123182), (375, 123149), (396, 123089), (409, 123041), (420, 123023), (435, 122984),

Gene: Squillium_3 Start: 2417, Stop: 1404, Start Num: 116
Candidate Starts for Squillium_3:
(43, 2567), (57, 2531), (Start: 67 @2510 has 4 MA's), (79, 2492), (Start: 116 @2417 has 134 MA's), (145, 2336), (156, 2306), (178, 2246), (193, 2216), (202, 2201), (203, 2198), (227, 2150), (253, 2039), (272, 1985), (284, 1940), (296, 1904), (306, 1865), (312, 1847), (321, 1817), (367, 1658), (375, 1625), (396, 1565), (409, 1517), (420, 1499), (435, 1460),

Gene: StAugustine_152 Start: 88734, Stop: 87598, Start Num: 68
Candidate Starts for StAugustine_152:
(Start: 68 @88734 has 2 MA's), (150, 88548), (164, 88515), (167, 88500), (208, 88419), (227, 88371), (241, 88305), (257, 88242), (321, 88023), (326, 88005), (337, 87963), (338, 87960), (356, 87894), (370, 87843), (374, 87831), (377, 87822), (384, 87801), (406, 87735), (408, 87729), (412, 87723),

Gene: StagePhright_18 Start: 12530, Stop: 11526, Start Num: 127
Candidate Starts for StagePhright_18:
(Start: 127 @12530 has 37 MA's), (174, 12401), (220, 12305), (233, 12236), (235, 12227), (254, 12152), (296, 12014), (321, 11921), (340, 11849), (343, 11834), (347, 11819), (351, 11807), (357, 11789), (375, 11744), (420, 11612), (436, 11573), (451, 11531),

Gene: Stanimal_4 Start: 2628, Stop: 1627, Start Num: 116
Candidate Starts for Stanimal_4:
(Start: 82 @2694 has 16 MA's), (Start: 85 @2685 has 17 MA's), (Start: 116 @2628 has 134 MA's), (156, 2517), (203, 2430), (260, 2238), (272, 2217), (276, 2208), (285, 2166), (296, 2136), (306, 2097), (312, 2079), (321, 2049), (338, 1986), (375, 1854), (396, 1794), (409, 1746), (420, 1728), (435, 1689),

Gene: Stanimal_259 Start: 121902, Stop: 120901, Start Num: 116
Candidate Starts for Stanimal_259:
(Start: 82 @121968 has 16 MA's), (Start: 85 @121959 has 17 MA's), (Start: 116 @121902 has 134 MA's), (156, 121791), (203, 121704), (260, 121512), (272, 121491), (276, 121482), (285, 121440), (296, 121410), (306, 121371), (312, 121353), (321, 121323), (338, 121260), (375, 121128), (396, 121068), (409, 121020), (420, 121002), (435, 120963),

Gene: StarPlatinum_2 Start: 2355, Stop: 1354, Start Num: 116
Candidate Starts for StarPlatinum_2:
(Start: 42 @2499 has 7 MA's), (58, 2460), (65, 2445), (Start: 74 @2430 has 2 MA's), (Start: 85 @2412 has 17 MA's), (Start: 116 @2355 has 134 MA's), (156, 2244), (203, 2157), (260, 1965), (264, 1959), (276, 1935), (279, 1923), (285, 1893), (296, 1863), (306, 1824), (312, 1806), (321, 1776), (338, 1713), (342, 1695), (351, 1665), (375, 1581), (396, 1521), (409, 1473), (420, 1455),

Gene: StarPlatinum_272 Start: 124042, Stop: 123041, Start Num: 116
Candidate Starts for StarPlatinum_272:
(Start: 42 @124186 has 7 MA's), (58, 124147), (65, 124132), (Start: 74 @124117 has 2 MA's), (Start: 85 @124099 has 17 MA's), (Start: 116 @124042 has 134 MA's), (156, 123931), (203, 123844), (260, 123652), (264, 123646), (276, 123622), (279, 123610), (285, 123580), (296, 123550), (306, 123511), (312, 123493), (321, 123463), (338, 123400), (342, 123382), (351, 123352), (375, 123268), (396, 123208), (409, 123160), (420, 123142),

Gene: Starbow_260 Start: 121454, Stop: 120459, Start Num: 116
Candidate Starts for Starbow_260:
(Start: 96 @121499 has 21 MA's), (Start: 116 @121454 has 134 MA's), (156, 121343), (167, 121310), (187, 121277), (199, 121265), (203, 121256), (227, 121208), (229, 121190), (230, 121187), (272, 121043), (276, 121034), (285, 120992), (296, 120962), (306, 120923), (312, 120905), (321, 120875),

(338, 120812), (375, 120680), (396, 120620), (409, 120572), (435, 120515), (449, 120479),

Gene: Starbow_3 Start: 2606, Stop: 1611, Start Num: 116
Candidate Starts for Starbow_3:
(Start: 96 @2651 has 21 MA's), (Start: 116 @2606 has 134 MA's), (156, 2495), (167, 2462), (187, 2429), (199, 2417), (203, 2408), (227, 2360), (229, 2342), (230, 2339), (272, 2195), (276, 2186), (285, 2144), (296, 2114), (306, 2075), (312, 2057), (321, 2027), (338, 1964), (375, 1832), (396, 1772), (409, 1724), (435, 1667), (449, 1631),

Gene: StevieBAY_78 Start: 50960, Stop: 49962, Start Num: 121
Candidate Starts for StevieBAY_78:
(Start: 117 @50966 has 2 MA's), (Start: 121 @50960 has 22 MA's), (157, 50864), (189, 50801), (196, 50783), (251, 50603), (255, 50579), (257, 50573), (260, 50555), (262, 50552), (286, 50477), (302, 50426), (343, 50282), (355, 50246), (365, 50213), (429, 50030), (449, 49979),

Gene: Stewart25555_165 Start: 114464, Stop: 115444, Start Num: 114
Candidate Starts for Stewart25555_165:
(Start: 114 @114464 has 161 MA's), (130, 114506), (179, 114632), (236, 114767), (255, 114848), (278, 114911), (300, 114995), (312, 115028), (328, 115085), (340, 115130), (375, 115229), (400, 115304),

Gene: Stigma_217 Start: 108675, Stop: 109697, Start Num: 112
Candidate Starts for Stigma_217:
(Start: 112 @108675 has 9 MA's), (Start: 128 @108705 has 1 MA's), (156, 108786), (164, 108804), (187, 108846), (192, 108864), (203, 108882), (258, 109062), (278, 109125), (285, 109158), (289, 109170), (291, 109173), (295, 109185), (316, 109260), (338, 109335), (343, 109359), (353, 109389), (371, 109452), (449, 109671),

Gene: Stillion_1 Start: 1, Stop: 1032, Start Num: 109
Candidate Starts for Stillion_1:
(Start: 109 @1 has 7 MA's), (150, 97), (191, 199), (229, 307), (254, 406), (257, 418), (259, 424), (277, 481), (287, 526), (296, 547), (307, 586), (340, 703), (343, 718), (354, 754), (355, 757),

Gene: Sting_1 Start: 1, Stop: 1032, Start Num: 109
Candidate Starts for Sting_1:
(Start: 109 @1 has 7 MA's), (150, 97), (191, 199), (229, 307), (254, 406), (257, 418), (259, 424), (277, 481), (286, 523), (287, 526), (296, 547), (307, 586), (340, 703), (343, 718), (354, 754), (355, 757),

Gene: Stinger_89 Start: 67077, Stop: 66025, Start Num: 114
Candidate Starts for Stinger_89:
(Start: 114 @67077 has 161 MA's), (136, 67005), (146, 66975), (150, 66963), (164, 66930), (167, 66915), (171, 66906), (187, 66888), (204, 66843), (207, 66828), (208, 66825), (226, 66780), (240, 66717), (257, 66648), (259, 66642), (260, 66630), (266, 66612), (293, 66522), (296, 66513), (300, 66492), (310, 66465), (323, 66420), (336, 66375), (343, 66342), (346, 66333), (351, 66318), (359, 66297), (374, 66240), (384, 66210), (398, 66180), (400, 66168), (414, 66138), (433, 66084), (439, 66063), (450, 66039), (454, 66030),

Gene: StinkyVeggy_89 Start: 67233, Stop: 66154, Start Num: 114
Candidate Starts for StinkyVeggy_89:
(Start: 114 @67233 has 161 MA's), (150, 67137), (164, 67104), (188, 67062), (220, 66981), (257, 66831), (259, 66825), (279, 66759), (296, 66699), (304, 66666), (323, 66606), (326, 66597), (334, 66567), (338, 66552), (345, 66519), (348, 66513), (351, 66504), (355, 66492), (375, 66423), (377, 66417), (378, 66414), (406, 66330), (408, 66324), (426, 66285), (460, 66195), (461, 66192), (466,

66177),

Gene: Suigeneris_91 Start: 67330, Stop: 66257, Start Num: 114
Candidate Starts for Suigeneris_91:
(35, 67483), (55, 67441), (Start: 114 @67330 has 161 MA's), (150, 67234), (164, 67201), (188, 67159), (220, 67078), (257, 66928), (259, 66922), (279, 66856), (323, 66703), (334, 66664), (338, 66649), (351, 66604), (355, 66592), (359, 66583), (375, 66523), (378, 66514), (406, 66430), (408, 66424), (437, 66361), (460, 66295), (466, 66277),

Gene: Sunny_ Start: 39140, Stop: 40135, Start Num: 133
Candidate Starts for Sunny_:
(26, 38867), (46, 38933), (61, 38972), (Start: 133 @39140 has 42 MA's), (187, 39269), (190, 39281), (198, 39305), (202, 39314), (204, 39320), (221, 39380), (224, 39395), (234, 39449), (242, 39482), (255, 39530), (270, 39572), (281, 39608), (284, 39620), (296, 39656), (312, 39713), (321, 39743), (323, 39752), (330, 39776), (385, 39944), (402, 39995), (407, 40007), (434, 40076),

Gene: Sunshine23_95 Start: 58602, Stop: 57607, Start Num: 114
Candidate Starts for Sunshine23_95:
(Start: 114 @58602 has 161 MA's), (150, 58506), (157, 58488), (172, 58443), (173, 58440), (254, 58221), (255, 58215), (257, 58209), (260, 58191), (262, 58188), (273, 58167), (321, 58005), (340, 57933), (355, 57882), (368, 57831), (375, 57807), (377, 57801), (400, 57738), (402, 57726),

Gene: SuperSonics_60 Start: 43224, Stop: 44528, Start Num: 107
Candidate Starts for SuperSonics_60:
(64, 43152), (Start: 107 @43224 has 4 MA's), (155, 43368), (180, 43425), (228, 43572), (236, 43605), (247, 43641), (251, 43659), (257, 43689), (277, 43746), (280, 43755), (284, 43776), (287, 43791), (296, 43812), (299, 43827), (328, 43932), (335, 43956), (340, 43977), (353, 44025), (354, 44028), (357, 44037), (385, 44160), (404, 44235), (413, 44253), (416, 44271), (417, 44274), (440, 44343), (462, 44403),

Gene: Sushi23_253 Start: 125067, Stop: 124054, Start Num: 116
Candidate Starts for Sushi23_253:
(Start: 116 @125067 has 134 MA's), (156, 124956), (178, 124896), (187, 124887), (193, 124866), (202, 124851), (227, 124800), (253, 124689), (272, 124635), (296, 124554), (306, 124515), (312, 124497), (321, 124467), (338, 124404), (362, 124320), (367, 124308), (375, 124275), (396, 124215), (409, 124167), (420, 124149), (435, 124110),

Gene: Sushi23_2 Start: 2224, Stop: 1211, Start Num: 116
Candidate Starts for Sushi23_2:
(Start: 116 @2224 has 134 MA's), (156, 2113), (178, 2053), (187, 2044), (193, 2023), (202, 2008), (227, 1957), (253, 1846), (272, 1792), (296, 1711), (306, 1672), (312, 1654), (321, 1624), (338, 1561), (362, 1477), (367, 1465), (375, 1432), (396, 1372), (409, 1324), (420, 1306), (435, 1267),

Gene: SwainyDoc_97 Start: 67338, Stop: 66280, Start Num: 114
Candidate Starts for SwainyDoc_97:
(30, 67512), (Start: 42 @67482 has 7 MA's), (Start: 85 @67392 has 17 MA's), (Start: 114 @67338 has 161 MA's), (Start: 128 @67308 has 1 MA's), (150, 67224), (164, 67191), (200, 67119), (226, 67047), (244, 66966), (255, 66921), (257, 66915), (259, 66909), (260, 66897), (272, 66861), (300, 66759), (307, 66741), (321, 66696), (340, 66624), (343, 66609), (352, 66582), (355, 66573), (370, 66516), (400, 66432), (406, 66408), (419, 66378),

Gene: SynergyX_98 Start: 67214, Stop: 66156, Start Num: 114
Candidate Starts for SynergyX_98:

(30, 67388), (Start: 42 @67358 has 7 MA's), (Start: 85 @67268 has 17 MA's), (Start: 114 @67214 has 161 MA's), (Start: 128 @67184 has 1 MA's), (150, 67100), (164, 67067), (200, 66995), (226, 66923), (244, 66842), (255, 66797), (257, 66791), (259, 66785), (260, 66773), (264, 66767), (272, 66737), (300, 66635), (307, 66617), (321, 66572), (340, 66500), (343, 66485), (352, 66458), (355, 66449), (370, 66392), (400, 66308), (406, 66284), (419, 66254),

Gene: TA17A_88 Start: 64741, Stop: 63671, Start Num: 114
Candidate Starts for TA17A_88:
(Start: 114 @64741 has 161 MA's), (Start: 128 @64711 has 1 MA's), (150, 64645), (153, 64636), (164, 64612), (171, 64588), (182, 64564), (257, 64309), (259, 64303), (260, 64291), (272, 64258), (279, 64237), (295, 64180), (296, 64177), (307, 64138), (310, 64129), (319, 64099), (323, 64084), (335, 64042), (340, 64021), (348, 63991), (355, 63970), (374, 63904), (375, 63901), (384, 63874), (387, 63868), (414, 63793), (421, 63757),

Gene: TaeYoung_77 Start: 50521, Stop: 49526, Start Num: 121
Candidate Starts for TaeYoung_77:
(Start: 121 @50521 has 22 MA's), (157, 50428), (189, 50365), (196, 50347), (251, 50167), (255, 50143), (257, 50137), (260, 50119), (262, 50116), (286, 50041), (302, 49990), (340, 49861), (343, 49846), (355, 49810), (365, 49777), (429, 49594),

Gene: Talia1610_176 Start: 116051, Stop: 117025, Start Num: 114
Candidate Starts for Talia1610_176:
(Start: 114 @116051 has 161 MA's), (130, 116093), (255, 116432), (278, 116495), (287, 116537), (304, 116591), (328, 116669), (375, 116813), (384, 116840), (386, 116846), (439, 116984),

Gene: Targaryen_2 Start: 2329, Stop: 1316, Start Num: 116
Candidate Starts for Targaryen_2:
(Start: 45 @2467 has 4 MA's), (Start: 67 @2422 has 4 MA's), (79, 2404), (110, 2341), (Start: 116 @2329 has 134 MA's), (145, 2248), (156, 2218), (167, 2185), (186, 2152), (193, 2128), (202, 2113), (227, 2062), (272, 1897), (296, 1816), (306, 1777), (312, 1759), (321, 1729), (338, 1666), (342, 1648), (367, 1570), (375, 1537), (409, 1429), (420, 1411), (435, 1372),

Gene: Targaryen_253 Start: 126005, Stop: 124992, Start Num: 116
Candidate Starts for Targaryen_253:
(Start: 45 @126143 has 4 MA's), (Start: 67 @126098 has 4 MA's), (79, 126080), (110, 126017), (Start: 116 @126005 has 134 MA's), (145, 125924), (156, 125894), (167, 125861), (186, 125828), (193, 125804), (202, 125789), (227, 125738), (272, 125573), (296, 125492), (306, 125453), (312, 125435), (321, 125405), (338, 125342), (342, 125324), (367, 125246), (375, 125213), (409, 125105), (420, 125087), (435, 125048),

Gene: Teamocil_61 Start: 37414, Stop: 38409, Start Num: 134
Candidate Starts for Teamocil_61:
(Start: 134 @37414 has 5 MA's), (138, 37429), (182, 37534), (187, 37543), (190, 37555), (208, 37612), (224, 37669), (234, 37723), (270, 37846), (281, 37882), (284, 37894), (321, 38017), (329, 38047), (343, 38107), (385, 38218), (393, 38239), (407, 38281), (415, 38302),

Gene: Terij_55 Start: 37200, Stop: 38201, Start Num: 127
Candidate Starts for Terij_55:
(Start: 127 @37200 has 37 MA's), (137, 37248), (163, 37314), (217, 37416), (229, 37479), (233, 37494), (243, 37530), (245, 37536), (246, 37539), (256, 37587), (293, 37707), (303, 37746), (337, 37869), (340, 37881), (343, 37896), (366, 37956), (371, 37971), (389, 38025), (427, 38136),

Gene: Tesla_96 Start: 57368, Stop: 56298, Start Num: 111

Candidate Starts for Tesla_96:
(Start: 86 @57422 has 1 MA's), (93, 57413), (Start: 111 @57368 has 34 MA's), (120, 57353), (130, 57320), (159, 57227), (175, 57194), (184, 57170), (198, 57137), (199, 57134), (200, 57131), (206, 57116), (210, 57104), (219, 57077), (236, 56990), (240, 56978), (250, 56945), (255, 56918), (257, 56912), (260, 56894), (278, 56852), (281, 56837), (292, 56801), (296, 56789), (314, 56711), (318, 56705), (332, 56657), (351, 56582), (383, 56507), (392, 56486), (395, 56483), (453, 56315), (454, 56312),

Gene: Teutsch_249 Start: 124434, Stop: 123421, Start Num: 116
Candidate Starts for Teutsch_249:
(Start: 116 @124434 has 134 MA's), (156, 124323), (178, 124263), (187, 124254), (193, 124233), (202, 124218), (227, 124167), (253, 124056), (272, 124002), (296, 123921), (306, 123882), (312, 123864), (321, 123834), (338, 123771), (362, 123687), (367, 123675), (375, 123642), (396, 123582), (409, 123534), (420, 123516), (435, 123477),

Gene: Teutsch_2 Start: 2225, Stop: 1212, Start Num: 116
Candidate Starts for Teutsch_2:
(Start: 116 @2225 has 134 MA's), (156, 2114), (178, 2054), (187, 2045), (193, 2024), (202, 2009), (227, 1958), (253, 1847), (272, 1793), (296, 1712), (306, 1673), (312, 1655), (321, 1625), (338, 1562), (362, 1478), (367, 1466), (375, 1433), (396, 1373), (409, 1325), (420, 1307), (435, 1268),

Gene: ThirteenKH_17 Start: 12307, Stop: 11303, Start Num: 127
Candidate Starts for ThirteenKH_17:
(Start: 127 @12307 has 37 MA's), (174, 12178), (220, 12082), (233, 12013), (235, 12004), (256, 11920), (296, 11791), (321, 11698), (340, 11626), (347, 11596), (351, 11584), (357, 11566), (375, 11521), (420, 11389), (436, 11350), (451, 11308),

Gene: Thumb_54 Start: 42720, Stop: 43931, Start Num: 75
Candidate Starts for Thumb_54:
(Start: 63 @42702 has 2 MA's), (Start: 75 @42720 has 7 MA's), (103, 42765), (106, 42774), (187, 42984), (226, 43113), (229, 43134), (237, 43167), (240, 43176), (255, 43242), (257, 43248), (260, 43266), (277, 43305), (292, 43359), (312, 43434), (314, 43449), (321, 43464), (326, 43482), (335, 43515), (360, 43611), (438, 43830), (439, 43833), (443, 43842), (462, 43896),

Gene: Timinator_78 Start: 50779, Stop: 49781, Start Num: 121
Candidate Starts for Timinator_78:
(Start: 117 @50785 has 2 MA's), (Start: 121 @50779 has 22 MA's), (157, 50683), (189, 50620), (196, 50602), (251, 50422), (255, 50398), (257, 50392), (260, 50374), (262, 50371), (286, 50296), (302, 50245), (343, 50101), (355, 50065), (365, 50032), (429, 49849), (449, 49798),

Gene: Tinciduntsolum_86 Start: 64905, Stop: 63835, Start Num: 114
Candidate Starts for Tinciduntsolum_86:
(Start: 114 @64905 has 161 MA's), (Start: 128 @64875 has 1 MA's), (150, 64809), (153, 64800), (164, 64776), (171, 64752), (182, 64728), (257, 64473), (259, 64467), (260, 64455), (272, 64422), (279, 64401), (295, 64344), (296, 64341), (307, 64302), (310, 64293), (319, 64263), (323, 64248), (335, 64206), (340, 64185), (348, 64155), (355, 64134), (374, 64068), (375, 64065), (384, 64038), (387, 64032), (414, 63957), (421, 63921),

Gene: TinyTerror_98 Start: 67389, Stop: 66277, Start Num: 85
Candidate Starts for TinyTerror_98:
(30, 67509), (Start: 42 @67479 has 7 MA's), (Start: 85 @67389 has 17 MA's), (Start: 114 @67335 has 161 MA's), (Start: 128 @67305 has 1 MA's), (150, 67221), (164, 67188), (200, 67116), (226, 67044), (244, 66963), (255, 66918), (257, 66912), (259, 66906), (260, 66894), (272, 66858), (300, 66756),

(307, 66738), (321, 66693), (340, 66621), (343, 66606), (352, 66579), (355, 66570), (370, 66513), (400, 66429), (406, 66405), (419, 66375),

Gene: TomSawyer_2 Start: 2200, Stop: 1199, Start Num: 116
Candidate Starts for TomSawyer_2:
(Start: 96 @2245 has 21 MA's), (Start: 116 @2200 has 134 MA's), (156, 2089), (167, 2056), (187, 2023), (199, 2011), (203, 2002), (227, 1954), (229, 1936), (230, 1933), (272, 1789), (276, 1780), (285, 1738), (296, 1708), (306, 1669), (312, 1651), (321, 1621), (338, 1558), (375, 1426), (396, 1366), (409, 1318), (435, 1261), (453, 1216),

Gene: TomSawyer_267 Start: 123979, Stop: 122978, Start Num: 116
Candidate Starts for TomSawyer_267:
(Start: 96 @124024 has 21 MA's), (Start: 116 @123979 has 134 MA's), (156, 123868), (167, 123835), (187, 123802), (199, 123790), (203, 123781), (227, 123733), (229, 123715), (230, 123712), (272, 123568), (276, 123559), (285, 123517), (296, 123487), (306, 123448), (312, 123430), (321, 123400), (338, 123337), (375, 123205), (396, 123145), (409, 123097), (435, 123040), (453, 122995),

Gene: Tomas_258 Start: 124326, Stop: 123334, Start Num: 116
Candidate Starts for Tomas_258:
(Start: 85 @124383 has 17 MA's), (Start: 116 @124326 has 134 MA's), (139, 124257), (145, 124245), (156, 124215), (160, 124206), (199, 124137), (204, 124125), (227, 124080), (296, 123834), (306, 123795), (312, 123777), (321, 123747), (338, 123684), (367, 123588), (375, 123555), (396, 123495), (409, 123447), (436, 123387), (449, 123354),

Gene: Tomas_3 Start: 2619, Stop: 1627, Start Num: 116
Candidate Starts for Tomas_3:
(Start: 85 @2676 has 17 MA's), (Start: 116 @2619 has 134 MA's), (139, 2550), (145, 2538), (156, 2508), (160, 2499), (199, 2430), (204, 2418), (227, 2373), (296, 2127), (306, 2088), (312, 2070), (321, 2040), (338, 1977), (367, 1881), (375, 1848), (396, 1788), (409, 1740), (436, 1680), (449, 1647),

Gene: TpudiCK_149 Start: 75164, Stop: 74091, Start Num: 122
Candidate Starts for TpudiCK_149:
(39, 75341), (44, 75329), (Start: 76 @75260 has 6 MA's), (88, 75239), (Start: 122 @75164 has 14 MA's), (151, 75059), (158, 75050), (175, 75014), (199, 74960), (210, 74927), (220, 74897), (236, 74813), (260, 74717), (281, 74660), (294, 74618), (298, 74600), (313, 74537), (317, 74528), (320, 74516), (321, 74513), (335, 74462), (350, 74402), (388, 74303), (391, 74294), (403, 74258), (418, 74219), (453, 74123), (456, 74114),

Gene: TraderJ_80 Start: 59378, Stop: 58359, Start Num: 114
Candidate Starts for TraderJ_80:
(Start: 114 @59378 has 161 MA's), (150, 59282), (164, 59249), (171, 59225), (173, 59216), (191, 59192), (204, 59174), (209, 59153), (251, 59006), (255, 58982), (257, 58976), (260, 58958), (279, 58904), (286, 58868), (300, 58823), (316, 58772), (348, 58658), (375, 58568), (384, 58541), (387, 58535), (431, 58424),

Gene: Tres_85 Start: 64759, Stop: 63689, Start Num: 114
Candidate Starts for Tres_85:
(28, 64954), (Start: 114 @64759 has 161 MA's), (Start: 128 @64729 has 1 MA's), (150, 64663), (153, 64654), (164, 64630), (171, 64606), (182, 64582), (257, 64327), (259, 64321), (260, 64309), (272, 64276), (279, 64255), (295, 64198), (296, 64195), (307, 64156), (310, 64147), (319, 64117), (323, 64102), (328, 64084), (335, 64060), (340, 64039), (348, 64009), (355, 63988), (374, 63922), (375, 63919), (384, 63892), (387, 63886), (414, 63811), (421, 63775),

Gene: Tribute_2 Start: 2225, Stop: 1212, Start Num: 116
Candidate Starts for Tribute_2:
(Start: 116 @2225 has 134 MA's), (156, 2114), (178, 2054), (187, 2045), (193, 2024), (202, 2009), (227, 1958), (253, 1847), (272, 1793), (296, 1712), (306, 1673), (312, 1655), (321, 1625), (338, 1562), (362, 1478), (367, 1466), (375, 1433), (396, 1373), (409, 1325), (420, 1307), (435, 1268),

Gene: Tribute_248 Start: 124769, Stop: 123756, Start Num: 116
Candidate Starts for Tribute_248:
(Start: 116 @124769 has 134 MA's), (156, 124658), (178, 124598), (187, 124589), (193, 124568), (202, 124553), (227, 124502), (253, 124391), (272, 124337), (296, 124256), (306, 124217), (312, 124199), (321, 124169), (338, 124106), (362, 124022), (367, 124010), (375, 123977), (396, 123917), (409, 123869), (420, 123851), (435, 123812),

Gene: Trina_210 Start: 112849, Stop: 113895, Start Num: 113
Candidate Starts for Trina_210:
(Start: 113 @112849 has 18 MA's), (153, 112954), (156, 112960), (164, 112978), (172, 113008), (177, 113017), (187, 113020), (194, 113044), (212, 113092), (239, 113215), (255, 113275), (273, 113332), (278, 113347), (299, 113425), (302, 113437), (305, 113446), (316, 113482), (321, 113494), (322, 113500), (327, 113515), (328, 113521), (375, 113683), (423, 113806), (448, 113866),

Gene: TrippleS_17 Start: 12314, Stop: 11310, Start Num: 127
Candidate Starts for TrippleS_17:
(Start: 127 @12314 has 37 MA's), (174, 12185), (220, 12089), (233, 12020), (235, 12011), (254, 11936), (296, 11798), (321, 11705), (340, 11633), (343, 11618), (347, 11603), (351, 11591), (357, 11573), (375, 11528), (420, 11396), (436, 11357), (451, 11315),

Gene: Trogglehumper_109 Start: 75166, Stop: 74096, Start Num: 111
Candidate Starts for Trogglehumper_109:
(Start: 111 @75166 has 34 MA's), (130, 75118), (184, 74983), (198, 74950), (202, 74941), (217, 74893), (220, 74884), (224, 74863), (236, 74800), (240, 74788), (243, 74773), (284, 74635), (296, 74599), (299, 74584), (305, 74563), (310, 74548), (327, 74491), (338, 74449), (383, 74308), (385, 74302), (390, 74287), (407, 74239), (418, 74209), (457, 74101),

Gene: Truong_17 Start: 12296, Stop: 11307, Start Num: 127
Candidate Starts for Truong_17:
(Start: 127 @12296 has 37 MA's), (163, 12182), (174, 12167), (226, 12053), (233, 12014), (235, 12005), (256, 11921), (296, 11792), (321, 11699), (343, 11612), (386, 11492), (415, 11414), (427, 11372), (436, 11354), (445, 11327),

Gene: Tuesday_3 Start: 2651, Stop: 1611, Start Num: 96
Candidate Starts for Tuesday_3:
(Start: 96 @2651 has 21 MA's), (Start: 116 @2606 has 134 MA's), (156, 2495), (167, 2462), (187, 2429), (199, 2417), (203, 2408), (227, 2360), (229, 2342), (230, 2339), (272, 2195), (276, 2186), (285, 2144), (296, 2114), (306, 2075), (312, 2057), (321, 2027), (338, 1964), (375, 1832), (396, 1772), (409, 1724), (435, 1667), (449, 1631),

Gene: Tuesday_271 Start: 121899, Stop: 120859, Start Num: 96
Candidate Starts for Tuesday_271:
(Start: 96 @121899 has 21 MA's), (Start: 116 @121854 has 134 MA's), (156, 121743), (167, 121710), (187, 121677), (199, 121665), (203, 121656), (227, 121608), (229, 121590), (230, 121587), (272, 121443), (276, 121434), (285, 121392), (296, 121362), (306, 121323), (312, 121305), (321, 121275), (338, 121212), (375, 121080), (396, 121020), (409, 120972), (435, 120915), (449, 120879),

Gene: TunaTartare_218 Start: 111927, Stop: 112946, Start Num: 113
Candidate Starts for TunaTartare_218:
(Start: 113 @111927 has 18 MA's), (Start: 128 @111957 has 1 MA's), (156, 112044), (169, 112083), (194, 112122), (208, 112155), (278, 112374), (291, 112422), (300, 112458), (302, 112464), (338, 112584), (343, 112608), (344, 112614), (345, 112617), (375, 112713), (389, 112743), (428, 112872), (444, 112911), (445, 112914), (450, 112926),

Gene: TyDawg_142 Start: 75349, Stop: 74276, Start Num: 122
Candidate Starts for TyDawg_142:
(39, 75526), (44, 75514), (Start: 76 @75445 has 6 MA's), (88, 75424), (Start: 122 @75349 has 14 MA's), (151, 75244), (158, 75235), (175, 75199), (199, 75145), (210, 75112), (220, 75082), (236, 74998), (260, 74902), (294, 74803), (298, 74785), (313, 74722), (317, 74713), (320, 74701), (321, 74698), (335, 74647), (350, 74587), (388, 74488), (391, 74479), (403, 74443), (418, 74404), (453, 74308), (456, 74299),

Gene: Tydolla_93 Start: 66890, Stop: 65832, Start Num: 114
Candidate Starts for Tydolla_93:
(30, 67064), (Start: 42 @67034 has 7 MA's), (Start: 85 @66944 has 17 MA's), (Start: 114 @66890 has 161 MA's), (Start: 128 @66860 has 1 MA's), (150, 66776), (164, 66743), (200, 66671), (226, 66599), (244, 66518), (255, 66473), (257, 66467), (259, 66461), (260, 66449), (272, 66413), (300, 66311), (307, 66293), (321, 66248), (340, 66176), (343, 66161), (352, 66134), (355, 66125), (370, 66068), (400, 65984), (406, 65960), (419, 65930),

Gene: Tyrumbra_58 Start: 38636, Stop: 39631, Start Num: 133
Candidate Starts for Tyrumbra_58:
(Start: 133 @38636 has 42 MA's), (182, 38756), (187, 38765), (190, 38777), (202, 38810), (204, 38816), (208, 38834), (224, 38891), (234, 38945), (270, 39068), (281, 39104), (284, 39116), (321, 39239), (343, 39329), (385, 39440), (393, 39461), (407, 39503), (415, 39524), (434, 39572),

Gene: VasuNzinga_98 Start: 57452, Stop: 56382, Start Num: 111
Candidate Starts for VasuNzinga_98:
(Start: 86 @57506 has 1 MA's), (93, 57497), (Start: 111 @57452 has 34 MA's), (120, 57437), (130, 57404), (159, 57311), (175, 57278), (184, 57254), (198, 57221), (199, 57218), (200, 57215), (206, 57200), (210, 57188), (219, 57161), (236, 57074), (240, 57062), (250, 57029), (255, 57002), (257, 56996), (260, 56978), (278, 56936), (281, 56921), (292, 56885), (296, 56873), (314, 56795), (318, 56789), (326, 56762), (332, 56741), (351, 56666), (383, 56591), (392, 56570), (395, 56567), (453, 56399), (454, 56396),

Gene: Vic9_00083 Start: 65292, Stop: 64222, Start Num: 114
Candidate Starts for Vic9_00083:
(Start: 114 @65292 has 161 MA's), (Start: 128 @65262 has 1 MA's), (150, 65196), (153, 65187), (164, 65163), (171, 65139), (182, 65115), (217, 65019), (257, 64860), (259, 64854), (260, 64842), (272, 64809), (279, 64788), (295, 64731), (296, 64728), (307, 64689), (310, 64680), (319, 64650), (323, 64635), (335, 64593), (340, 64572), (348, 64542), (355, 64521), (374, 64455), (375, 64452), (384, 64425), (387, 64419), (414, 64344), (421, 64308),

Gene: Vincenzo_91 Start: 69502, Stop: 68453, Start Num: 114
Candidate Starts for Vincenzo_91:
(11, 69841), (Start: 114 @69502 has 161 MA's), (131, 69448), (150, 69388), (152, 69382), (164, 69355), (173, 69322), (204, 69277), (207, 69262), (208, 69259), (226, 69214), (228, 69196), (235, 69166), (240, 69151), (255, 69088), (257, 69082), (259, 69076), (260, 69064), (266, 69046), (285, 68977), (287, 68968), (293, 68956), (300, 68926), (323, 68854), (336, 68809), (343, 68776), (348, 68761), (351, 68752), (374, 68674), (398, 68614), (400, 68602), (416, 68560), (435, 68506), (437,

68500), (439, 68491), (451, 68464), (454, 68458),

Gene: VioletZ_94 Start: 69001, Stop: 67943, Start Num: 114
Candidate Starts for VioletZ_94:
(Start: 114 @69001 has 161 MA's), (131, 68947), (150, 68887), (152, 68881), (164, 68854), (167, 68839), (171, 68830), (187, 68812), (204, 68773), (208, 68755), (209, 68752), (226, 68710), (240, 68647), (257, 68578), (260, 68560), (266, 68542), (272, 68524), (293, 68452), (296, 68443), (300, 68422), (336, 68305), (338, 68296), (343, 68272), (346, 68263), (359, 68227), (374, 68170), (384, 68140), (398, 68110), (400, 68098), (405, 68077), (433, 68002), (439, 67981), (454, 67948),

Gene: Violeta_52 Start: 30920, Stop: 31972, Start Num: 82
Candidate Starts for Violeta_52:
(Start: 82 @30920 has 16 MA's), (Start: 105 @30962 has 1 MA's), (150, 31058), (167, 31106), (217, 31196), (257, 31355), (259, 31361), (263, 31376), (280, 31418), (289, 31457), (340, 31631), (371, 31739), (414, 31859), (431, 31901), (455, 31961),

Gene: Volt_83 Start: 43928, Stop: 42858, Start Num: 111
Candidate Starts for Volt_83:
(93, 43973), (Start: 105 @43943 has 1 MA's), (Start: 111 @43928 has 34 MA's), (Start: 123 @43904 has 1 MA's), (130, 43880), (147, 43808), (151, 43796), (172, 43757), (234, 43559), (236, 43550), (259, 43466), (274, 43424), (278, 43412), (281, 43397), (296, 43349), (328, 43232), (343, 43175), (351, 43148), (377, 43088), (427, 42938), (437, 42914), (441, 42899), (445, 42890), (448, 42884),

Gene: WaddleDee_160 Start: 111543, Stop: 112520, Start Num: 114
Candidate Starts for WaddleDee_160:
(Start: 114 @111543 has 161 MA's), (130, 111585), (179, 111711), (236, 111846), (255, 111927), (278, 111990), (300, 112074), (328, 112164), (340, 112209), (375, 112308), (400, 112383),

Gene: Waleliano_91 Start: 68648, Stop: 67590, Start Num: 114
Candidate Starts for Waleliano_91:
(Start: 114 @68648 has 161 MA's), (150, 68534), (152, 68528), (164, 68501), (167, 68486), (171, 68477), (187, 68459), (204, 68420), (208, 68402), (226, 68357), (240, 68294), (257, 68225), (260, 68207), (266, 68189), (272, 68171), (280, 68147), (293, 68099), (296, 68090), (300, 68069), (336, 67952), (338, 67943), (343, 67919), (346, 67910), (351, 67895), (359, 67874), (374, 67817), (384, 67787), (400, 67745), (405, 67724), (433, 67649), (439, 67628), (451, 67601), (454, 67595),

Gene: Warpy_257 Start: 124267, Stop: 123161, Start Num: 67
Candidate Starts for Warpy_257:
(Start: 67 @124267 has 4 MA's), (79, 124249), (110, 124186), (Start: 116 @124174 has 134 MA's), (145, 124093), (156, 124063), (167, 124030), (186, 123997), (193, 123973), (202, 123958), (227, 123907), (272, 123742), (296, 123661), (306, 123622), (312, 123604), (321, 123574), (338, 123511), (342, 123493), (367, 123415), (375, 123382), (409, 123274), (420, 123256), (435, 123217),

Gene: Warpy_5 Start: 2729, Stop: 1623, Start Num: 67
Candidate Starts for Warpy_5:
(Start: 67 @2729 has 4 MA's), (79, 2711), (110, 2648), (Start: 116 @2636 has 134 MA's), (145, 2555), (156, 2525), (167, 2492), (186, 2459), (193, 2435), (202, 2420), (227, 2369), (272, 2204), (296, 2123), (306, 2084), (312, 2066), (321, 2036), (338, 1973), (342, 1955), (367, 1877), (375, 1844), (409, 1736), (420, 1718), (435, 1679),

Gene: Warren_50 Start: 30876, Stop: 31928, Start Num: 82
Candidate Starts for Warren_50:

(36, 30789), (Start: 82 @30876 has 16 MA's), (Start: 105 @30918 has 1 MA's), (150, 31014), (167, 31062), (217, 31152), (257, 31311), (259, 31317), (263, 31332), (280, 31374), (289, 31413), (340, 31587), (371, 31695), (414, 31815), (431, 31857), (455, 31917),

Gene: WashU_247 Start: 124373, Stop: 123360, Start Num: 116
Candidate Starts for WashU_247:
(Start: 45 @124520 has 4 MA's), (Start: 67 @124466 has 4 MA's), (79, 124448), (Start: 116 @124373 has 134 MA's), (156, 124262), (178, 124202), (187, 124193), (193, 124172), (202, 124157), (227, 124106), (253, 123995), (272, 123941), (296, 123860), (306, 123821), (312, 123803), (321, 123773), (338, 123710), (362, 123626), (367, 123614), (375, 123581), (396, 123521), (409, 123473), (420, 123455), (435, 123416),

Gene: WashU_3 Start: 2379, Stop: 1366, Start Num: 116
Candidate Starts for WashU_3:
(Start: 45 @2526 has 4 MA's), (Start: 67 @2472 has 4 MA's), (79, 2454), (Start: 116 @2379 has 134 MA's), (156, 2268), (178, 2208), (187, 2199), (193, 2178), (202, 2163), (227, 2112), (253, 2001), (272, 1947), (296, 1866), (306, 1827), (312, 1809), (321, 1779), (338, 1716), (362, 1632), (367, 1620), (375, 1587), (396, 1527), (409, 1479), (420, 1461), (435, 1422),

Gene: Waterlily_17 Start: 12338, Stop: 11307, Start Num: 127
Candidate Starts for Waterlily_17:
(Start: 127 @12338 has 37 MA's), (163, 12224), (174, 12209), (226, 12053), (233, 12014), (235, 12005), (256, 11921), (296, 11792), (321, 11699), (343, 11612), (386, 11492), (415, 11414), (427, 11372), (436, 11354), (445, 11327),

Gene: Watermoore_2 Start: 2226, Stop: 1213, Start Num: 116
Candidate Starts for Watermoore_2:
(Start: 45 @2373 has 4 MA's), (Start: 67 @2319 has 4 MA's), (79, 2301), (Start: 116 @2226 has 134 MA's), (156, 2115), (167, 2082), (178, 2055), (187, 2046), (193, 2025), (202, 2010), (227, 1959), (253, 1848), (272, 1794), (296, 1713), (306, 1674), (312, 1656), (321, 1626), (338, 1563), (362, 1479), (367, 1467), (375, 1434), (396, 1374), (409, 1326), (420, 1308), (435, 1269),

Gene: Watermoore_249 Start: 124822, Stop: 123809, Start Num: 116
Candidate Starts for Watermoore_249:
(Start: 45 @124969 has 4 MA's), (Start: 67 @124915 has 4 MA's), (79, 124897), (Start: 116 @124822 has 134 MA's), (156, 124711), (167, 124678), (178, 124651), (187, 124642), (193, 124621), (202, 124606), (227, 124555), (253, 124444), (272, 124390), (296, 124309), (306, 124270), (312, 124252), (321, 124222), (338, 124159), (362, 124075), (367, 124063), (375, 124030), (396, 123970), (409, 123922), (420, 123904), (435, 123865),

Gene: Weasels2_189 Start: 100516, Stop: 101544, Start Num: 113
Candidate Starts for Weasels2_189:
(Start: 73 @100435 has 1 MA's), (Start: 113 @100516 has 18 MA's), (130, 100555), (131, 100570), (145, 100600), (157, 100633), (187, 100690), (215, 100762), (255, 100918), (257, 100924), (278, 100990), (289, 101035), (310, 101101), (316, 101125), (321, 101137), (322, 101143), (371, 101320), (449, 101521), (453, 101530),

Gene: Weiss13_60 Start: 44400, Stop: 45596, Start Num: 72
Candidate Starts for Weiss13_60:
(Start: 72 @44400 has 13 MA's), (81, 44415), (Start: 112 @44481 has 9 MA's), (120, 44490), (142, 44571), (148, 44592), (154, 44607), (166, 44634), (192, 44694), (199, 44715), (209, 44748), (234, 44859), (235, 44865), (239, 44877), (251, 44916), (257, 44946), (270, 44985), (294, 45063), (296, 45069), (299, 45084), (336, 45222), (343, 45255), (350, 45279), (385, 45372), (391, 45390), (402,

45423), (434, 45507), (439, 45528), (445, 45543), (453, 45561), (454, 45564), (456, 45570), (458, 45579), (459, 45582),

Gene: West99_85 Start: 64928, Stop: 63858, Start Num: 114
Candidate Starts for West99_85:
(Start: 114 @64928 has 161 MA's), (Start: 128 @64898 has 1 MA's), (150, 64832), (153, 64823), (164, 64799), (171, 64775), (182, 64751), (257, 64496), (259, 64490), (260, 64478), (272, 64445), (279, 64424), (295, 64367), (296, 64364), (307, 64325), (310, 64316), (319, 64286), (323, 64271), (328, 64253), (335, 64229), (340, 64208), (348, 64178), (355, 64157), (374, 64091), (375, 64088), (384, 64061), (387, 64055), (414, 63980), (421, 63944),

Gene: Westy_222 Start: 109461, Stop: 110483, Start Num: 112
Candidate Starts for Westy_222:
(Start: 112 @109461 has 9 MA's), (Start: 128 @109491 has 1 MA's), (156, 109572), (164, 109590), (187, 109632), (192, 109650), (203, 109668), (258, 109848), (278, 109911), (285, 109944), (289, 109956), (291, 109959), (295, 109971), (316, 110046), (338, 110121), (343, 110145), (353, 110175), (371, 110238), (449, 110457),

Gene: WhereRU_2 Start: 2215, Stop: 1202, Start Num: 116
Candidate Starts for WhereRU_2:
(43, 2365), (57, 2329), (Start: 67 @2308 has 4 MA's), (79, 2290), (Start: 116 @2215 has 134 MA's), (145, 2134), (156, 2104), (178, 2044), (193, 2014), (202, 1999), (203, 1996), (227, 1948), (253, 1837), (272, 1783), (284, 1738), (296, 1702), (306, 1663), (312, 1645), (321, 1615), (367, 1456), (375, 1423), (396, 1363), (409, 1315), (420, 1297), (435, 1258),

Gene: WhereRU_251 Start: 123360, Stop: 122347, Start Num: 116
Candidate Starts for WhereRU_251:
(43, 123510), (57, 123474), (Start: 67 @123453 has 4 MA's), (79, 123435), (Start: 116 @123360 has 134 MA's), (145, 123279), (156, 123249), (178, 123189), (193, 123159), (202, 123144), (203, 123141), (227, 123093), (253, 122982), (272, 122928), (284, 122883), (296, 122847), (306, 122808), (312, 122790), (321, 122760), (367, 122601), (375, 122568), (396, 122508), (409, 122460), (420, 122442), (435, 122403),

Gene: Winchester007_52 Start: 30623, Stop: 31675, Start Num: 82
Candidate Starts for Winchester007_52:
(Start: 82 @30623 has 16 MA's), (Start: 105 @30665 has 1 MA's), (150, 30761), (167, 30809), (217, 30899), (257, 31058), (259, 31064), (263, 31079), (289, 31160), (340, 31334), (371, 31442), (414, 31562), (431, 31604), (455, 31664),

Gene: Wipeout_2 Start: 2266, Stop: 1220, Start Num: 96
Candidate Starts for Wipeout_2:
(Start: 96 @2266 has 21 MA's), (Start: 116 @2221 has 134 MA's), (156, 2110), (167, 2077), (187, 2044), (199, 2032), (203, 2023), (227, 1975), (229, 1957), (230, 1954), (272, 1810), (276, 1801), (285, 1759), (296, 1729), (306, 1690), (312, 1672), (321, 1642), (338, 1579), (375, 1447), (396, 1387), (409, 1339), (435, 1282), (453, 1237),

Gene: Wipeout_255 Start: 122997, Stop: 121951, Start Num: 96
Candidate Starts for Wipeout_255:
(Start: 96 @122997 has 21 MA's), (Start: 116 @122952 has 134 MA's), (156, 122841), (167, 122808), (187, 122775), (199, 122763), (203, 122754), (227, 122706), (229, 122688), (230, 122685), (272, 122541), (276, 122532), (285, 122490), (296, 122460), (306, 122421), (312, 122403), (321, 122373), (338, 122310), (375, 122178), (396, 122118), (409, 122070), (435, 122013), (453, 121968),

Gene: Wofford_3 Start: 2491, Stop: 1490, Start Num: 116
Candidate Starts for Wofford_3:
(Start: 42 @2638 has 7 MA's), (58, 2599), (Start: 62 @2587 has 1 MA's), (Start: 76 @2566 has 6 MA's), (Start: 85 @2548 has 17 MA's), (Start: 116 @2491 has 134 MA's), (156, 2380), (199, 2302), (203, 2293), (227, 2245), (229, 2227), (230, 2224), (272, 2080), (276, 2071), (296, 1999), (306, 1960), (312, 1942), (321, 1912), (338, 1849), (354, 1792), (355, 1789), (375, 1717), (396, 1657), (400, 1636), (409, 1609), (420, 1591), (449, 1516),

Gene: Wofford_261 Start: 124284, Stop: 123283, Start Num: 116
Candidate Starts for Wofford_261:
(Start: 42 @124431 has 7 MA's), (58, 124392), (Start: 62 @124380 has 1 MA's), (Start: 76 @124359 has 6 MA's), (Start: 85 @124341 has 17 MA's), (Start: 116 @124284 has 134 MA's), (156, 124173), (199, 124095), (203, 124086), (227, 124038), (229, 124020), (230, 124017), (272, 123873), (276, 123864), (296, 123792), (306, 123753), (312, 123735), (321, 123705), (338, 123642), (354, 123585), (355, 123582), (375, 123510), (396, 123450), (400, 123429), (409, 123402), (420, 123384), (449, 123309),

Gene: Wooper_81 Start: 59350, Stop: 58331, Start Num: 114
Candidate Starts for Wooper_81:
(59, 59446), (Start: 69 @59428 has 1 MA's), (91, 59392), (Start: 114 @59350 has 161 MA's), (150, 59254), (157, 59236), (164, 59221), (171, 59197), (173, 59188), (191, 59164), (204, 59146), (209, 59125), (251, 58978), (255, 58954), (257, 58948), (260, 58930), (279, 58876), (286, 58840), (300, 58795), (316, 58744), (348, 58630), (375, 58540), (384, 58513), (387, 58507), (431, 58396),

Gene: Wyborn_77 Start: 49339, Stop: 48344, Start Num: 121
Candidate Starts for Wyborn_77:
(Start: 121 @49339 has 22 MA's), (157, 49246), (177, 49192), (189, 49183), (196, 49165), (227, 49084), (251, 48985), (257, 48955), (260, 48937), (289, 48853), (293, 48844), (302, 48808), (312, 48781), (355, 48628), (365, 48595), (429, 48412),

Gene: Xincheng_84 Start: 68764, Stop: 67706, Start Num: 114
Candidate Starts for Xincheng_84:
(Start: 114 @68764 has 161 MA's), (131, 68710), (150, 68650), (152, 68644), (164, 68617), (167, 68602), (171, 68593), (187, 68575), (204, 68536), (208, 68518), (209, 68515), (226, 68473), (240, 68410), (257, 68341), (260, 68323), (266, 68305), (272, 68287), (293, 68215), (296, 68206), (300, 68185), (336, 68068), (338, 68059), (343, 68035), (346, 68026), (351, 68011), (359, 67990), (374, 67933), (384, 67903), (398, 67873), (400, 67861), (405, 67840), (433, 67765), (439, 67744), (451, 67717), (454, 67711),

Gene: Yaboi_4 Start: 2628, Stop: 1627, Start Num: 116
Candidate Starts for Yaboi_4:
(Start: 82 @2694 has 16 MA's), (Start: 85 @2685 has 17 MA's), (Start: 116 @2628 has 134 MA's), (156, 2517), (203, 2430), (260, 2238), (272, 2217), (276, 2208), (285, 2166), (296, 2136), (306, 2097), (312, 2079), (321, 2049), (338, 1986), (375, 1854), (396, 1794), (409, 1746), (420, 1728), (435, 1689),

Gene: Yaboi_265 Start: 121446, Stop: 120445, Start Num: 116
Candidate Starts for Yaboi_265:
(Start: 82 @121512 has 16 MA's), (Start: 85 @121503 has 17 MA's), (Start: 116 @121446 has 134 MA's), (156, 121335), (203, 121248), (260, 121056), (272, 121035), (276, 121026), (285, 120984), (296, 120954), (306, 120915), (312, 120897), (321, 120867), (338, 120804), (375, 120672), (396, 120612), (409, 120564), (420, 120546), (435, 120507),

Gene: Yafa_17 Start: 12330, Stop: 11326, Start Num: 127

Candidate Starts for Yafa_17:
(Start: 127 @12330 has 37 MA's), (174, 12201), (220, 12105), (233, 12036), (235, 12027), (256, 11943), (296, 11814), (321, 11721), (340, 11649), (347, 11619), (351, 11607), (357, 11589), (375, 11544), (420, 11412), (436, 11373), (451, 11331),

Gene: Yago84_77 Start: 59460, Stop: 58450, Start Num: 114
Candidate Starts for Yago84_77:
(41, 59601), (70, 59538), (Start: 114 @59460 has 161 MA's), (150, 59364), (164, 59331), (187, 59289), (209, 59247), (255, 59079), (257, 59073), (259, 59067), (276, 59010), (293, 58947), (300, 58917), (310, 58890), (328, 58827), (338, 58791), (348, 58752), (375, 58662), (400, 58593), (406, 58569), (408, 58563), (450, 58470),

Gene: Yahalom_95 Start: 66769, Stop: 65657, Start Num: 85
Candidate Starts for Yahalom_95:
(30, 66889), (Start: 42 @66859 has 7 MA's), (Start: 85 @66769 has 17 MA's), (Start: 114 @66715 has 161 MA's), (Start: 128 @66685 has 1 MA's), (150, 66601), (164, 66568), (200, 66496), (226, 66424), (244, 66343), (255, 66298), (257, 66292), (259, 66286), (260, 66274), (272, 66238), (300, 66136), (307, 66118), (321, 66073), (340, 66001), (343, 65986), (352, 65959), (355, 65950), (370, 65893), (400, 65809), (406, 65785), (419, 65755),

Gene: Yelo_60 Start: 44779, Stop: 45975, Start Num: 72
Candidate Starts for Yelo_60:
(Start: 72 @44779 has 13 MA's), (81, 44794), (Start: 112 @44860 has 9 MA's), (120, 44869), (142, 44950), (148, 44971), (154, 44986), (166, 45013), (192, 45073), (199, 45094), (209, 45127), (234, 45238), (235, 45244), (239, 45256), (251, 45295), (257, 45325), (270, 45364), (294, 45442), (296, 45448), (299, 45463), (336, 45601), (343, 45634), (350, 45658), (385, 45751), (391, 45769), (402, 45802), (434, 45886), (439, 45907), (445, 45922), (453, 45940), (454, 45943), (456, 45949), (458, 45958), (459, 45961),

Gene: Yeshua_80 Start: 59326, Stop: 58307, Start Num: 114
Candidate Starts for Yeshua_80:
(59, 59422), (Start: 69 @59404 has 1 MA's), (91, 59368), (Start: 114 @59326 has 161 MA's), (150, 59230), (157, 59212), (164, 59197), (171, 59173), (173, 59164), (191, 59140), (204, 59122), (209, 59101), (251, 58954), (255, 58930), (257, 58924), (260, 58906), (279, 58852), (286, 58816), (300, 58771), (316, 58720), (374, 58519), (375, 58516), (384, 58489), (387, 58483), (431, 58372),

Gene: Yeti_59 Start: 37298, Stop: 38293, Start Num: 133
Candidate Starts for Yeti_59:
(Start: 133 @37298 has 42 MA's), (182, 37418), (187, 37427), (190, 37439), (202, 37472), (204, 37478), (208, 37496), (234, 37607), (255, 37688), (281, 37766), (284, 37778), (321, 37901), (329, 37931), (385, 38102), (393, 38123), (402, 38153), (415, 38186), (434, 38234),

Gene: Yinz_95 Start: 66316, Stop: 65258, Start Num: 114
Candidate Starts for Yinz_95:
(30, 66490), (Start: 42 @66460 has 7 MA's), (Start: 85 @66370 has 17 MA's), (Start: 114 @66316 has 161 MA's), (Start: 128 @66286 has 1 MA's), (150, 66202), (164, 66169), (200, 66097), (226, 66025), (244, 65944), (255, 65899), (257, 65893), (259, 65887), (260, 65875), (272, 65839), (300, 65737), (307, 65719), (321, 65674), (340, 65602), (343, 65587), (352, 65560), (355, 65551), (370, 65494), (400, 65410), (406, 65386), (419, 65356),

Gene: Zapato_57 Start: 37541, Stop: 38536, Start Num: 134
Candidate Starts for Zapato_57:

(Start: 134 @37541 has 5 MA's), (182, 37661), (187, 37670), (190, 37682), (202, 37715), (208, 37739), (224, 37796), (270, 37973), (281, 38009), (284, 38021), (296, 38057), (308, 38102), (321, 38144), (329, 38174), (340, 38219), (381, 38336), (385, 38345), (393, 38366), (407, 38408), (415, 38429),

Gene: Zartrosa_78 Start: 50212, Stop: 49217, Start Num: 121
Candidate Starts for Zartrosa_78:
(Start: 121 @50212 has 22 MA's), (157, 50119), (189, 50056), (196, 50038), (238, 49903), (251, 49858), (255, 49834), (257, 49828), (260, 49810), (262, 49807), (286, 49732), (302, 49681), (340, 49552), (343, 49537), (355, 49501), (365, 49468), (429, 49285),

Gene: Zemanar_90 Start: 68665, Stop: 67607, Start Num: 114
Candidate Starts for Zemanar_90:
(Start: 114 @68665 has 161 MA's), (131, 68611), (136, 68593), (150, 68551), (152, 68545), (164, 68518), (167, 68503), (171, 68494), (187, 68476), (204, 68437), (208, 68419), (226, 68374), (240, 68311), (257, 68242), (260, 68224), (266, 68206), (272, 68188), (293, 68116), (296, 68107), (300, 68086), (336, 67969), (338, 67960), (343, 67936), (346, 67927), (351, 67912), (359, 67891), (374, 67834), (384, 67804), (398, 67774), (400, 67762), (405, 67741), (433, 67666), (439, 67645), (454, 67612),

Gene: Zenon_62 Start: 44725, Stop: 45921, Start Num: 72
Candidate Starts for Zenon_62:
(Start: 72 @44725 has 13 MA's), (81, 44740), (Start: 112 @44806 has 9 MA's), (120, 44815), (142, 44896), (148, 44917), (154, 44932), (166, 44959), (192, 45019), (199, 45040), (209, 45073), (234, 45184), (235, 45190), (239, 45202), (251, 45241), (257, 45271), (270, 45310), (294, 45388), (296, 45394), (299, 45409), (336, 45547), (343, 45580), (350, 45604), (385, 45697), (391, 45715), (402, 45748), (434, 45832), (439, 45853), (445, 45868), (453, 45886), (454, 45889), (456, 45895), (458, 45904), (459, 45907),

Gene: Zhengyi_18 Start: 13141, Stop: 12152, Start Num: 127
Candidate Starts for Zhengyi_18:
(Start: 127 @13141 has 37 MA's), (132, 13111), (138, 13090), (185, 12985), (220, 12928), (229, 12874), (235, 12850), (240, 12835), (282, 12679), (293, 12646), (383, 12346), (415, 12259), (427, 12217), (436, 12199),

Gene: Ziko_83 Start: 43750, Stop: 42680, Start Num: 111
Candidate Starts for Ziko_83:
(93, 43795), (Start: 105 @43765 has 1 MA's), (Start: 111 @43750 has 34 MA's), (Start: 123 @43726 has 1 MA's), (130, 43702), (147, 43630), (151, 43618), (172, 43579), (184, 43555), (205, 43504), (234, 43381), (259, 43288), (274, 43246), (278, 43234), (296, 43171), (328, 43054), (343, 42997), (351, 42970), (377, 42910), (427, 42760), (437, 42736), (441, 42721), (445, 42712), (448, 42706),