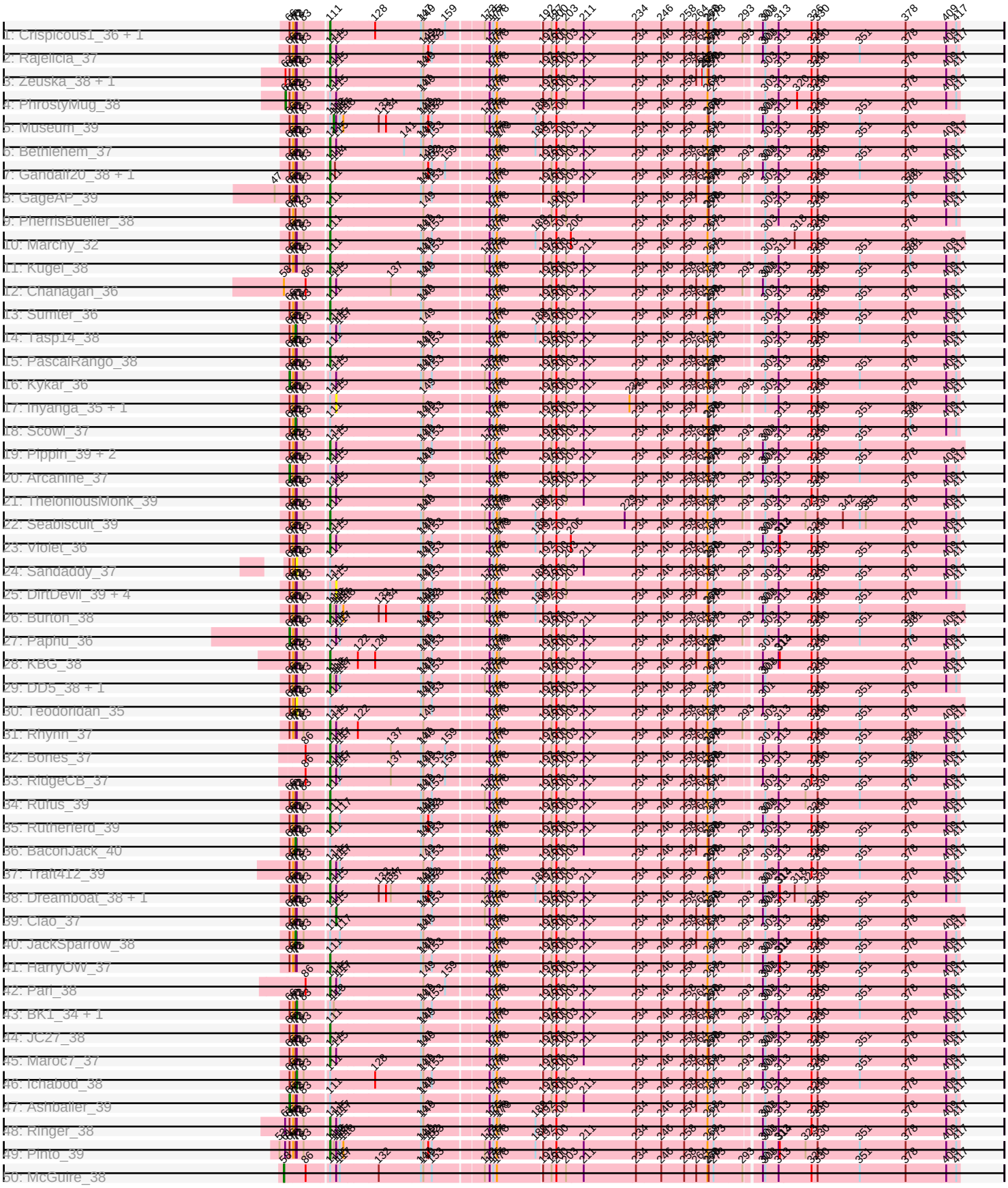
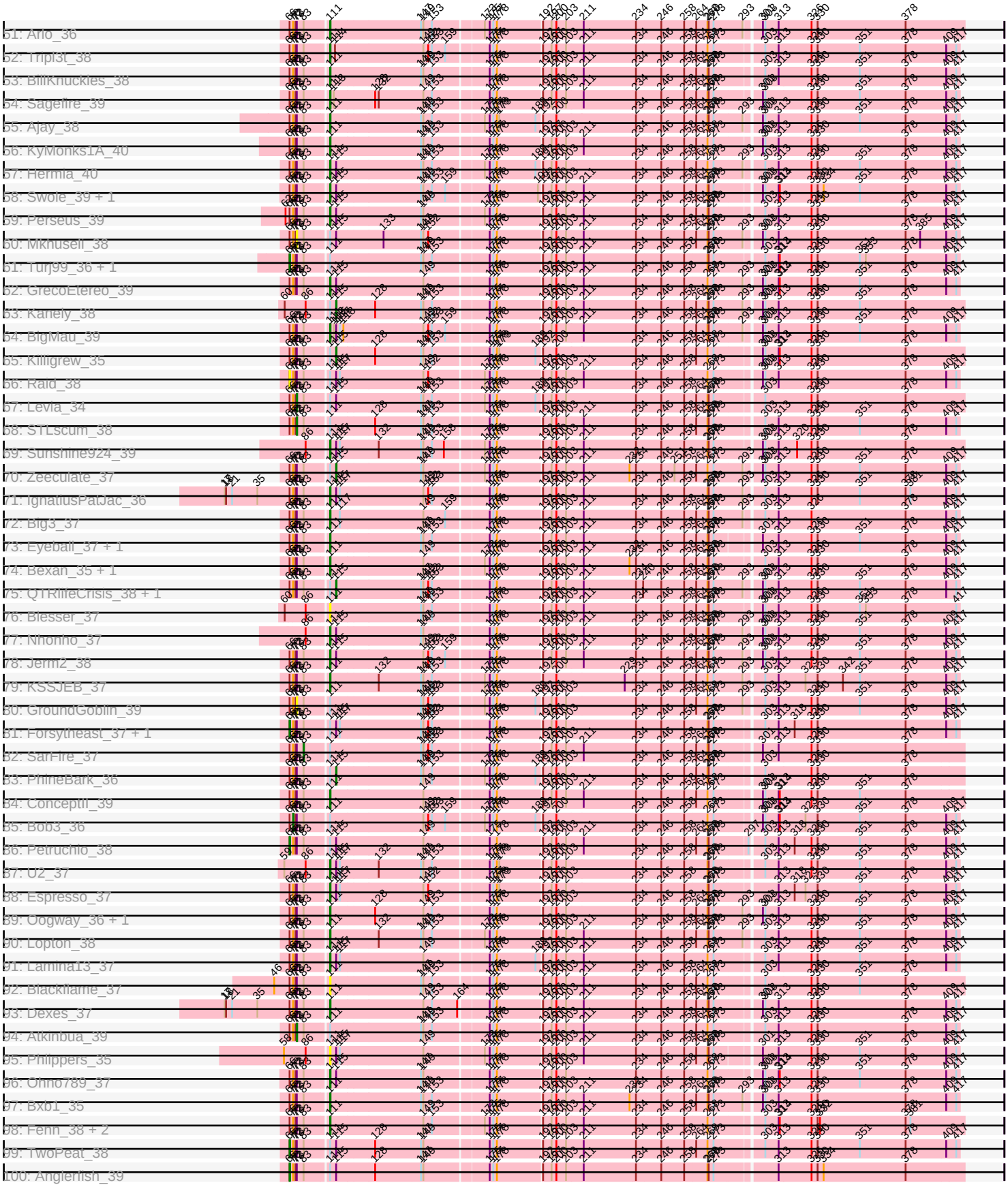
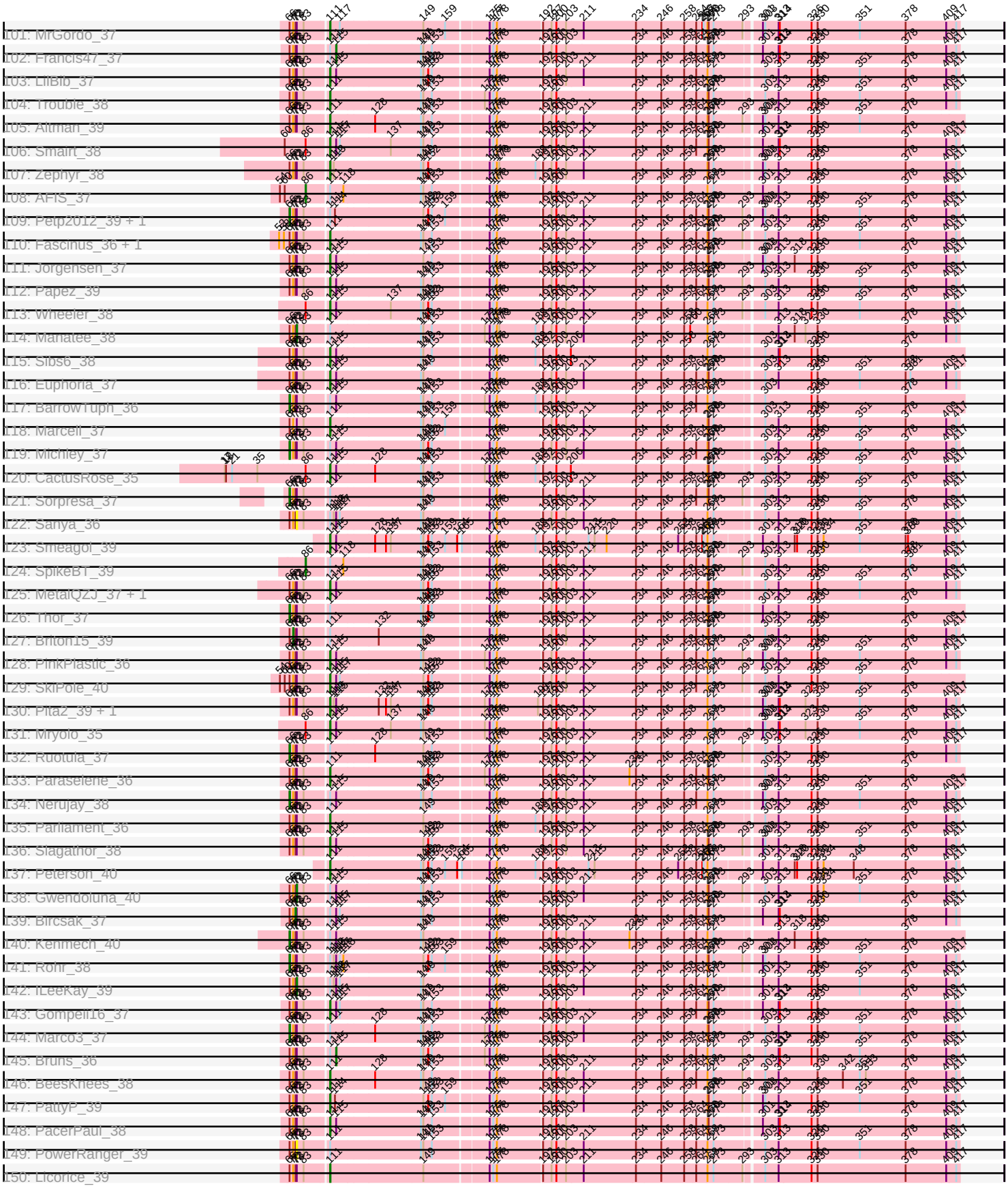
Pham 290730


1: Crispicous1_36 + 1
2: Rajelicia_37
3: Zeuska_38 + 1
4: PhrostyMug_38
5: Museum_39
6: Bethlehem_37
7: Gandalf20_38 + 1
8: GageAP_39
9: PhenisBueller_38
10: Marchy_32
11: Kugel_38
12: Chanagan_36
13: Sumter_36
14: Tasp14_38
15: PascalRango_38
16: Kykar_36
17: Inyanga_35 + 1
18: Scowl_37
19: Pippin_39 + 2
20: Arcanine_37
21: TheloniousMonk_39
22: Seabiscuit_39
23: Violet_36
24: Sandaddy_37
25: DirtDevil_39 + 4
26: Burton_38
27: Paphu_36
28: KBG_38
29: DD5_38 + 1
30: Teodoridan_35
31: Rhynn_37
32: Bones_37
33: RidgeCB_37
34: Rufus_39
35: Rutherherd_39
36: BaconJack_40
37: Trail412_39
38: Dreamboat_38 + 1
39: Ciao_37
40: JackSparrow_38
41: HarryOW_37
42: Pari_38
43: BK1_34 + 1
44: JC27_38
45: Maroc7_37
46: Ichabod_38
47: Ashballer_39
48: Ringer_38
49: Pinto_39
50: McGuire_38

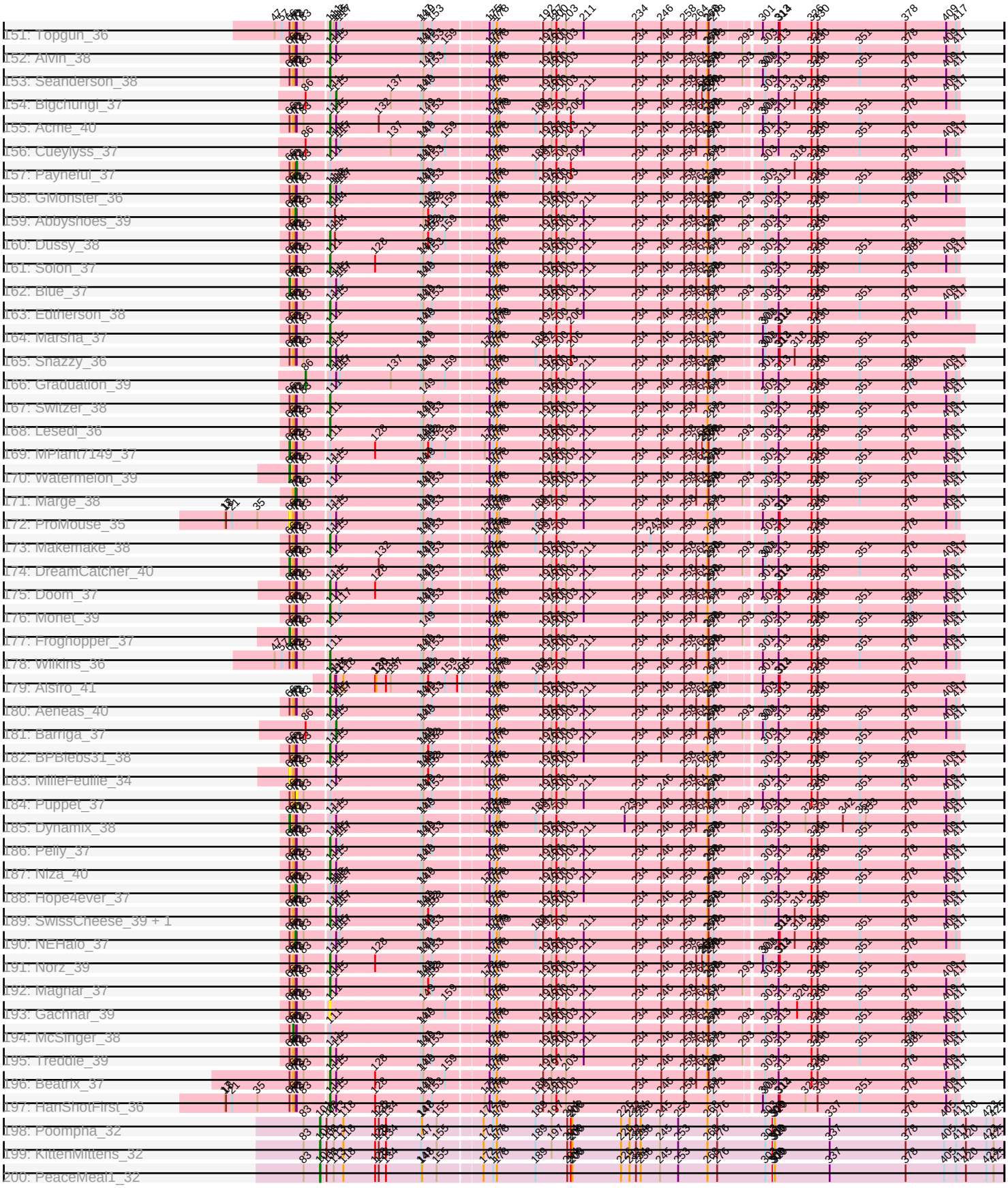
Pham 290730


51: Arlo_36
52: Tripl3t_38
53: BillKnuckles_38
54: Sagefire_39
55: Ajay_38
56: KyMonks1A_40
57: Hermia_40
58: Swole_39 + 1
59: Perseus_39
60: MKhusell_38
61: Turj99_36 + 1
62: GrecoEtereo_39
63: Kanely_38
64: BigMau_39
65: Killigrew_35
66: Raid_38
67: Levia_34
68: STLscum_38
69: Sunshine924_39
70: Zeeculate_37
71: IgnatiusPatJac_36
72: Big3_37
73: Eyeball_37 + 1
74: Bexan_35 + 1
75: QTRifleCrisis_38 + 1
76: Blesser_37
77: Nhonho_37
78: Jerm2_38
79: KSSJEB_37
80: GroundGoblin_39
81: Forsytheast_37 + 1
82: SanFire_37
83: PhineBark_36
84: Conceptii_39
85: Bob3_36
86: Petruchio_38
87: U2_37
88: Espresso_37
89: Oogway_36 + 1
90: Lopton_38
91: Lamina13_37
92: Blackflame_37
93: Dexes_37
94: Atkinbua_39
95: Philippers_35
96: Ohno789_37
97: Bxb1_35
98: Fenn_38 + 2
99: TwoPeat_38
100: Anglemish_39

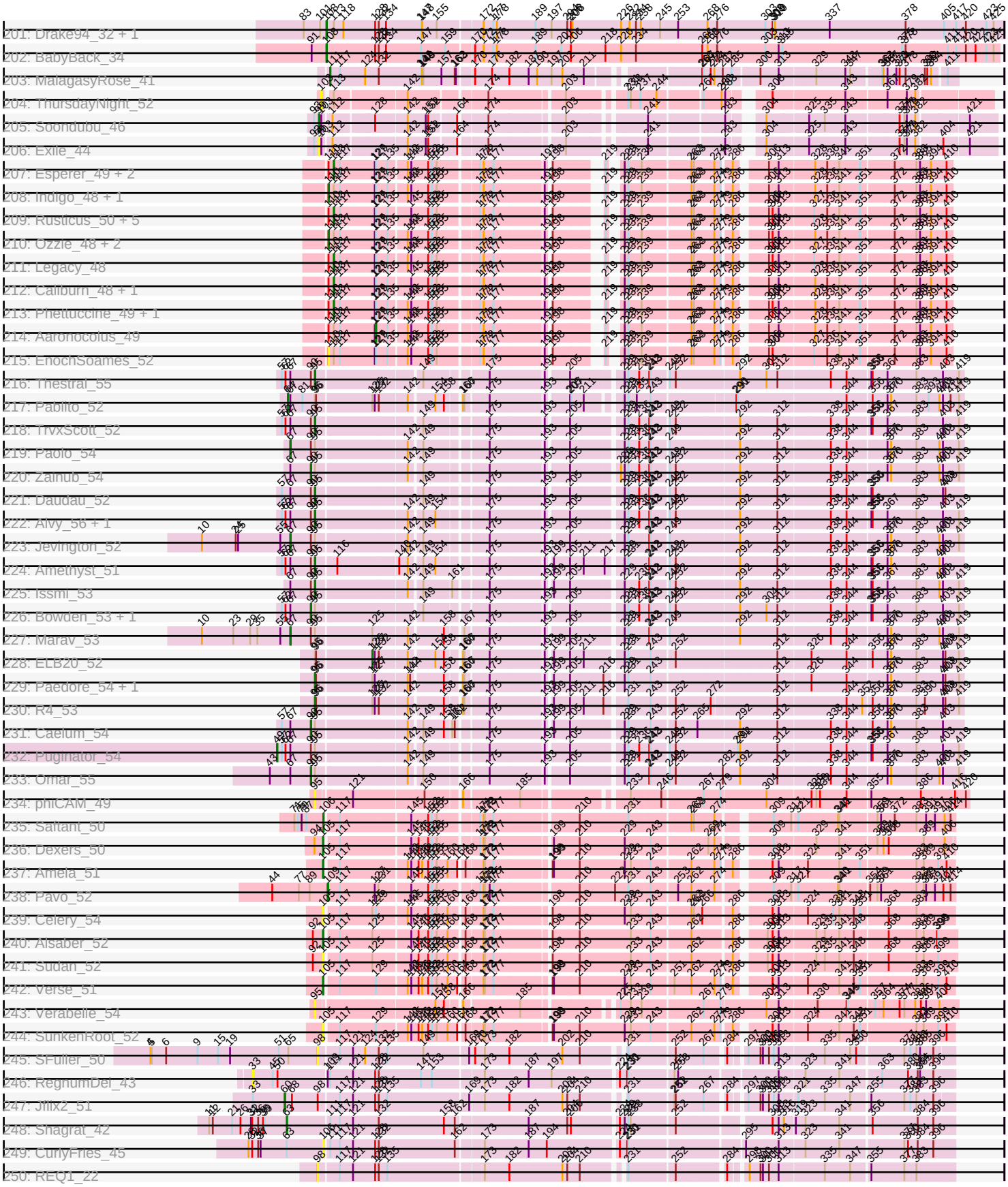
Pham 290730



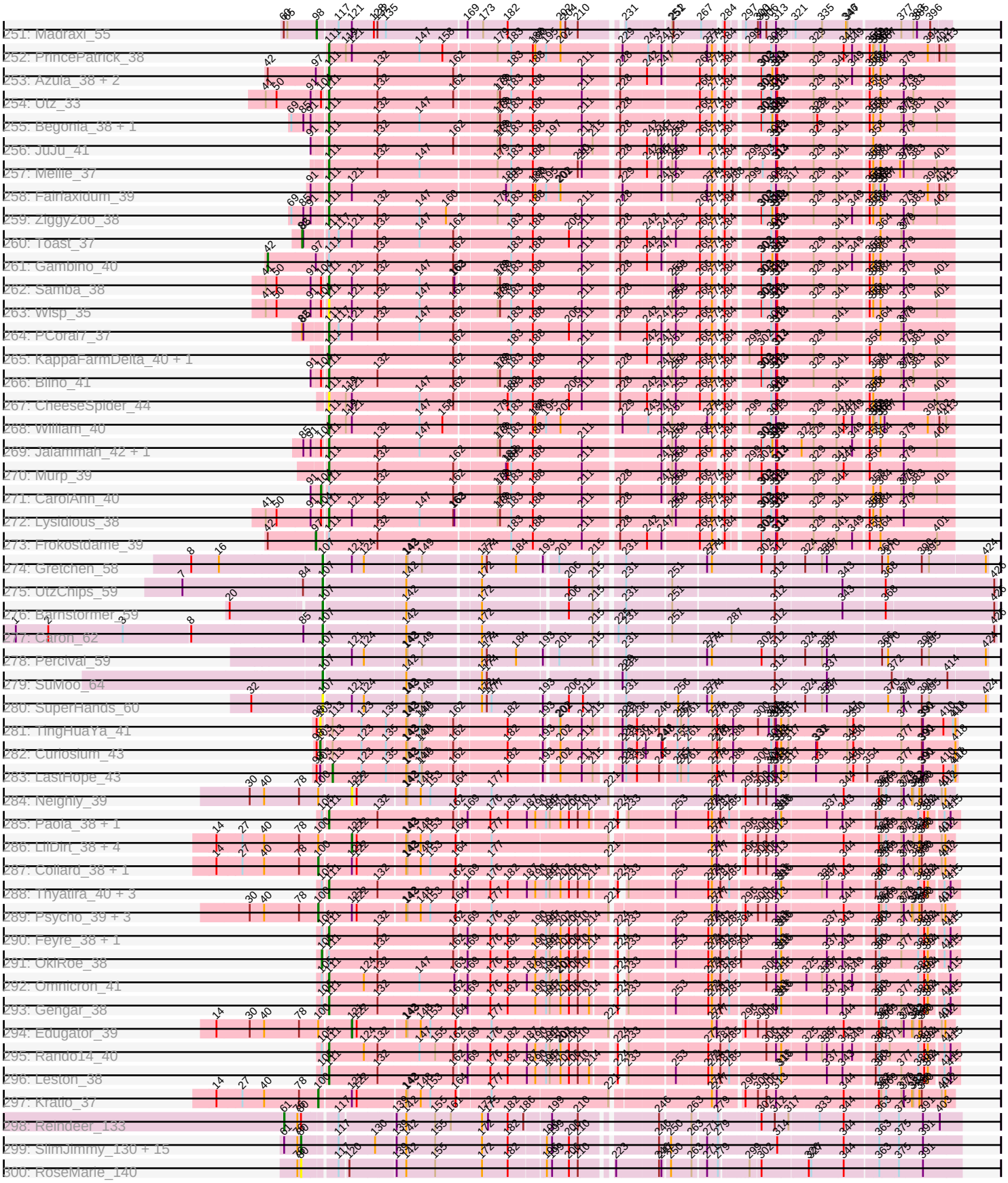
Pham 290730


151: Topgun_36
152: Alvin_38
153: Seanderson_38
154: Bigchungi_37
155: Acme_40
156: Cueylyss_37
157: Payneful_37
158: GMonster_36
159: Abbyshoes_39
160: Dussy_38
161: Solon_37
162: Blue_37
163: Edtherson_38
164: Marsha_37
165: Snazzy_36
166: Graduation_39
167: Switzer_38
168: Leseul_36
169: MPlant7149_37
170: Watermelon_39
171: Marge_38
172: ProMouse_35
173: Makemake_38
174: DreamCatcher_40
175: Doom_37
176: Monet_39
177: Froghopper_37
178: Wilkins_36
179: Alsiro_41
180: Aeneas_40
181: Barriga_37
182: BPBlebs31_38
183: MilleFeuille_34
184: Puppet_37
185: Dynamix_38
186: Pelly_37
187: Niza_40
188: Hope4ever_37
189: SwissCheese_39 + 1
190: NEHalo_37
191: Norz_39
192: Maghar_37
193: Gachnar_39
194: McSinger_38
195: Treddie_39
196: Beatrix_37
197: HanShotFirst_36
198: Poompha_32
199: KittenMittens_32
200: PeaceMeal1_32

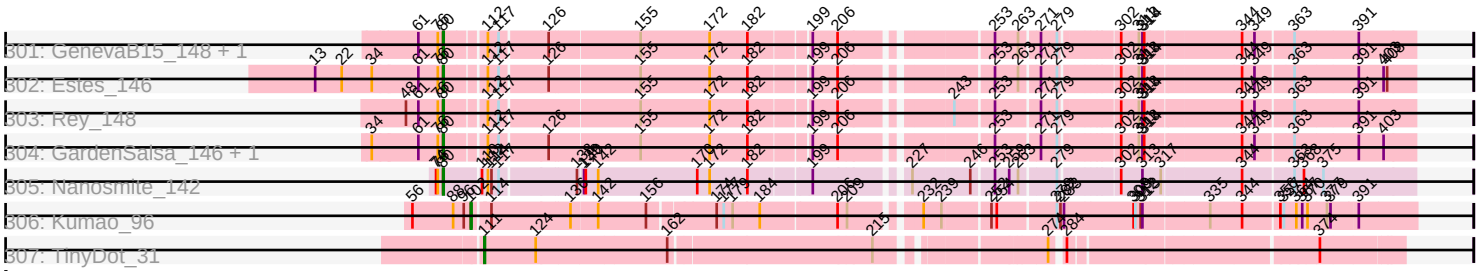
Pham 290730


201: Drake94_32 + 1
202: BabyBack_34
203: MalagasyRose_41
204: ThursdayNight_52
205: Soondubu_46
206: Exile_44
207: Esperer_49 + 2
208: Indigo_48 + 1
209: Rusticus_50 + 5
210: Ozzie_48 + 2
211: Legacy_48
212: Calburn_48 + 1
213: Phettuccine_49 + 1
214: Aaronocolus_49
215: EnochSoames_52
216: Thestral_55
217: Pablito_52
218: TrvxScott_52
219: Pablo_54
220: Zainub_54
221: Daudau_52
222: Alvy_56 + 1
223: Jevington_52
224: Amethyst_51
225: Issmi_53
226: Bowden_53 + 1
227: Marav_53
228: ELB20_52
229: Paedore_54 + 1
230: R4_53
231: Caelum_54
232: Pugnator_54
233: Omar_55
234: phiCAM_49
235: Saltant_50
236: Dexers_50
237: Amela_51
238: Pavo_52
239: Celery_54
240: Alsaber_52
241: Sudan_52
242: Verse_51
243: Verabelle_54
244: SunkenRoot_52
245: SFuller_50
246: RegnumDei_43
247: Jflix2_51
248: Shagrat_42
249: CurlyFries_45
250: REQ1_22

Pham 290730


251: Madraxi_55
252: PrincePatrick_38
253: Azula_38 + 2
254: Otz_33
255: Begonia_38 + 1
256: JuJu_41
257: Mellie_37
258: Fairfaxidum_39
259: ZiggyZoo_38
260: Toast_37
261: Gambino_40
262: Samba_38
263: Wisp_35
264: PCoral7_37
265: KappaFarmDelta_40 + 1
266: Bilno_41
267: CheeseSpider_44
268: William_40
269: Jalammah_42 + 1
270: Murp_39
271: CarolAnn_40
272: Lysidious_38
273: Frokostdame_39
274: Gretchen_58
275: OtzChips_59
276: Barnstormer_59
277: Caron_62
278: Percival_59
279: SuMoo_64
280: SuperHands_60
281: TingHuaYa_41
282: Curiosium_43
283: LastHope_43
284: Neighly_39
285: Paola_38 + 1
286: LilDirt_38 + 4
287: Collard_38 + 1
288: Thyatira_40 + 3
289: Psycho_39 + 3
290: Feyre_38 + 1
291: OkiRoe_38
292: Omnicron_41
293: Gengar_38
294: Edugator_39
295: Rando14_40
296: Leston_38
297: Kratio_37
298: Reindeer_133
299: SlimJimmy_130 + 15
300: RoseMarie_140

Pham 290730


301: GenevaB15_148 + 1
302: Estes_146
303: Rey_148
304: GardenSalsa_146 + 1
305: Nanosmile_142
306: Kumao_96
307: TinyDot_31

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 290730 Report

This analysis was run 03/28/26 on database version 641.

Pham number 290730 has 385 members, 45 are drafts.

Phages represented in each track:
- Track 1 : Crispicous1_36, DrFeelGood_36
- Track 2 : Rajelicia_37
- Track 3 : Zeuska_38, Abrogate_380
- Track 4 : PhrostyMug_38
- Track 5 : Museum_39
- Track 6 : Bethlehem_37
- Track 7 : Gandalf20_38, HermioneGrange_37
- Track 8 : GageAP_39
- Track 9 : PherrisBueller_38
- Track 10 : Marchy_32
- Track 11 : Kugel_38
- Track 12 : Chanagan_36
- Track 13 : Sumter_36
- Track 14 : Tasp14_38
- Track 15 : PascalRango_38
- Track 16 : Kykar_36
- Track 17 : Inyanga_35, Iqorha_35
- Track 18 : Scowl_37
- Track 19 : Pippin_39, Fajezeel_39, Greg_39
- Track 20 : Arcanine_37
- Track 21 : TheloniousMonk_39
- Track 22 : Seabiscuit_39
- Track 23 : Violet_36
- Track 24 : Sandaddy_37
- Track 25 : DirtDevil_39, Noxious_39, KikiBouba_39, Aldrich_39, CatBus_39
- Track 26 : Burton_38
- Track 27 : Paphu_36
- Track 28 : KBG_38
- Track 29 : DD5_38, Lockley_38
- Track 30 : Teodoridan_35
- Track 31 : Rhynn_37
- Track 32 : Bones_37
- Track 33 : RidgeCB_37
- Track 34 : Rufus_39
- Track 35 : Rutherferd_39
- Track 36 : BaconJack_40
- Track 37 : Traft412_39

- Track 38 : Dreamboat_38, Jasper_38
- Track 39 : Ciao_37
- Track 40 : JackSparrow_38
- Track 41 : HarryOW_37
- Track 42 : Pari_38
- Track 43 : BK1_34, A6_34
- Track 44 : JC27_38
- Track 45 : Maroc7_37
- Track 46 : Ichabod_38
- Track 47 : Ashballer_39
- Track 48 : Ringer_38
- Track 49 : Pinto_39
- Track 50 : McGuire_38
- Track 51 : Arlo_36
- Track 52 : Tripl3t_38
- Track 53 : BillKnuckles_38
- Track 54 : Sagefire_39
- Track 55 : Ajay_38
- Track 56 : KyMonks1A_40
- Track 57 : Hermia_40
- Track 58 : Swole_39, JuliaChild_39
- Track 59 : Perseus_39
- Track 60 : Mkhuseli_38
- Track 61 : Turj99_36, Magnito_36
- Track 62 : GrecoEtereo_39
- Track 63 : Kanely_38
- Track 64 : BigMau_39
- Track 65 : Killigrew_35
- Track 66 : Raid_38
- Track 67 : Levia_34
- Track 68 : STLscum_38
- Track 69 : Sunshine924_39
- Track 70 : Zeeculate_37
- Track 71 : IgnatiusPatJac_36
- Track 72 : Big3_37
- Track 73 : Eyeball_37, LunarLander_38
- Track 74 : Bexan_35, StrongArm_36
- Track 75 : QTRlifeCrisis_38, CartmannCramer_37
- Track 76 : Blesser_37
- Track 77 : Nhonho_37
- Track 78 : Jerm2_38
- Track 79 : KSSJEB_37
- Track 80 : GroundGoblin_39
- Track 81 : Forsytheast_37, Corvo_38
- Track 82 : SarFire_37
- Track 83 : PhineBark_36
- Track 84 : ConceptII_39
- Track 85 : Bob3_36
- Track 86 : Petruchio_38
- Track 87 : U2_37
- Track 88 : Espresso_37
- Track 89 : Oogway_36, Adahisdi_38
- Track 90 : Lopton_38

- Track 91 : Lamina13_37
- Track 92 : Blackflame_37
- Track 93 : Dexes_37
- Track 94 : Atkinbua_39
- Track 95 : Phlippers_35
- Track 96 : Ohno789_37
- Track 97 : Bxb1_35
- Track 98 : Fenn_38, Squee_38, Naira_38
- Track 99 : TwoPeat_38
- Track 100 : Anglerfish_39
- Track 101 : MrGordo_37
- Track 102 : Francis47_37
- Track 103 : LilBib_37
- Track 104 : Trouble_38
- Track 105 : Altman_39
- Track 106 : Smairt_38
- Track 107 : Zephyr_38
- Track 108 : AFIS_37
- Track 109 : Petp2012_39, Molly_39
- Track 110 : Fascinus_36, Bigfoot_35
- Track 111 : Jorgensen_37
- Track 112 : Papez_39
- Track 113 : Wheeler_38
- Track 114 : Manatee_38
- Track 115 : Sibs6_38
- Track 116 : Euphoria_37
- Track 117 : BarrowTuph_36
- Track 118 : Marcell_37
- Track 119 : Michley_37
- Track 120 : CactusRose_35
- Track 121 : Sorpresa_37
- Track 122 : Sanya_36
- Track 123 : Smeagol_39
- Track 124 : SpikeBT_39
- Track 125 : MetalQZJ_37, MaryBeth_37
- Track 126 : Thor_37
- Track 127 : Briton15_39
- Track 128 : PinkPlastic_36
- Track 129 : SkiPole_40
- Track 130 : Pita2_39, PSullivan_36
- Track 131 : Mryolo_35
- Track 132 : Ruotula_37
- Track 133 : Paraselene_36
- Track 134 : Nerujay_38
- Track 135 : Parliament_36
- Track 136 : Slagathor_38
- Track 137 : Peterson_40
- Track 138 : Gwendoluna_40
- Track 139 : Bircsak_37
- Track 140 : Kenmech_40
- Track 141 : Rohr_38
- Track 142 : ILeeKay_39
- Track 143 : Gompeii16_37

- Track 144 : Marco3_37
- Track 145 : Bruns_36
- Track 146 : BeesKnees_38
- Track 147 : PattyP_39
- Track 148 : PacerPaul_38
- Track 149 : PowerRanger_39
- Track 150 : Licorice_39
- Track 151 : Topgun_36
- Track 152 : Alvin_38
- Track 153 : Seanderson_38
- Track 154 : Bigchungi_37
- Track 155 : Acme_40
- Track 156 : Cueylyss_37
- Track 157 : Payneful_37
- Track 158 : GMonster_36
- Track 159 : Abbyshoes_39
- Track 160 : Dussy_38
- Track 161 : Solon_37
- Track 162 : Blue_37
- Track 163 : Edtherson_38
- Track 164 : Marsha_37
- Track 165 : Snazzy_36
- Track 166 : Graduation_39
- Track 167 : Switzer_38
- Track 168 : Lesedi_36
- Track 169 : MPlant7149_37
- Track 170 : Watermelon_39
- Track 171 : Marge_38
- Track 172 : ProMouse_35
- Track 173 : Makemake_38
- Track 174 : DreamCatcher_40
- Track 175 : Doom_37
- Track 176 : Monet_39
- Track 177 : Froghopper_37
- Track 178 : Wilkins_36
- Track 179 : Alsfro_41
- Track 180 : Aeneas_40
- Track 181 : Barriga_37
- Track 182 : BPBiebs31_38
- Track 183 : MilleFeuille_34
- Track 184 : Puppet_37
- Track 185 : Dynamix_38
- Track 186 : Pelly_37
- Track 187 : Niza_40
- Track 188 : Hope4ever_37
- Track 189 : SwissCheese_39, Moose_37
- Track 190 : NEHalo_37
- Track 191 : Norz_39
- Track 192 : Magnar_37
- Track 193 : Gachnar_39
- Track 194 : McSinger_38
- Track 195 : Treddle_39
- Track 196 : Beatrix_37

• Track 197 : HanShotFirst_36
• Track 198 : Poompha_32
• Track 199 : KittenMittens_32
• Track 200 : PeaceMeal1_32
• Track 201 : Drake94_32, Severus_32
• Track 202 : BabyBack_34
• Track 203 : MalagasyRose_41
• Track 204 : ThursdayNight_52
• Track 205 : Soondubu_46
• Track 206 : Exile_44
• Track 207 : Esperer_49, Unstoppable_49, Nerdos_48
• Track 208 : Indigo_48, Leviticus_49
• Track 209 : Rusticus_50, Jash_50, BryanRecycles_50, Izzy_50, Eddasa_50, Oliynyk_50
• Track 210 : Ozzie_48, Bovely_49, Hydra_50
• Track 211 : Legacy_48
• Track 212 : Caliburn_48, BeardedLady_49
• Track 213 : Phettuccine_49, SunsetPointe_48
• Track 214 : Aaronocolus_49
• Track 215 : EnochSoames_52
• Track 216 : Thestral_55
• Track 217 : Pablito_52
• Track 218 : TrvxScott_52
• Track 219 : Paolo_54
• Track 220 : Zainub_54
• Track 221 : Daudau_52
• Track 222 : Alvy_56, BartholomewSD_56
• Track 223 : Jevington_52
• Track 224 : Amethyst_51
• Track 225 : Issmi_53
• Track 226 : Bowden_53, TinaBelcher_53
• Track 227 : Marav_53
• Track 228 : ELB20_52
• Track 229 : Paedore_54, Loofah_55
• Track 230 : R4_53
• Track 231 : Caelum_54
• Track 232 : Puginator_54
• Track 233 : Omar_55
• Track 234 : phiCAM_49
• Track 235 : Saftant_50
• Track 236 : Dexers_50
• Track 237 : Amela_51
• Track 238 : Pavo_52
• Track 239 : Celery_54
• Track 240 : Alsaber_52
• Track 241 : Sudan_52
• Track 242 : Verse_51
• Track 243 : Verabelle_54
• Track 244 : SunkenRoot_52
• Track 245 : SFuller_50
• Track 246 : RegnumDei_43
• Track 247 : Jflix2_51
• Track 248 : Shagrat_42

• Track 249 : CurlyFries_45
• Track 250 : REQ1_22
• Track 251 : Madraxi_55
• Track 252 : PrincePatrick_38
• Track 253 : Azula_38, Blueberry_37, MissRona_38
• Track 254 : Utz_33
• Track 255 : Begonia_38, Malachai_38
• Track 256 : JuJu_41
• Track 257 : Mellie_37
• Track 258 : Fairfaxidum_39
• Track 259 : ZiggyZoo_38
• Track 260 : Toast_37
• Track 261 : Gambino_40
• Track 262 : Samba_38
• Track 263 : Wisp_35
• Track 264 : PCoral7_37
• Track 265 : KappaFarmDelta_40, Wocket_39
• Track 266 : Blino_41
• Track 267 : CheeseSpider_44
• Track 268 : William_40
• Track 269 : Jalammah_42, Fenry_37
• Track 270 : Murp_39
• Track 271 : CarolAnn_40
• Track 272 : Lysidious_38
• Track 273 : Frokostdame_39
• Track 274 : Gretchen_58
• Track 275 : UtzChips_59
• Track 276 : Barnstormer_59
• Track 277 : Caron_62
• Track 278 : Percival_59
• Track 279 : SuMoo_64
• Track 280 : SuperHands_60
• Track 281 : TingHuaYa_41
• Track 282 : Curiosium_43
• Track 283 : LastHope_43
• Track 284 : Neighly_39
• Track 285 : Paola_38, Guillsminger_39
• Track 286 : LilDirt_38, BananenDer11_38, DoubleChamp_38, InvictusManeo_38, ViviJ_38
• Track 287 : Collard_38, Agent47_39
• Track 288 : Thyatira_40, Waterfoul_39, SoSeph_38, Heftyboy_38
• Track 289 : Psycho_39, AlleyCat_39, Dadosky_39, Larva_39
• Track 290 : Feyre_38, Miryou_40
• Track 291 : OkiRoe_38
• Track 292 : Omnicron_41
• Track 293 : Gengar_38
• Track 294 : Edugator_39
• Track 295 : Rando14_40
• Track 296 : Leston_38
• Track 297 : Kratio_37
• Track 298 : Reindeer_133
• Track 299 : SlimJimmy_130, Glaske16_133, Diminimus_131, Izel_131, FreakyGoo_131, Dulcita_131, Bricole_133, Skinny_137, Auspice_131, Bongo_130,

PegLeg_134, KleverKiS_134, TyDawg_126, IPhane7_129, LilhomieP_131, TpudiCK_132
• Track 300 : RoseMarie_140
• Track 301 : GenevaB15_148, Aziz_145
• Track 302 : Estes_146
• Track 303 : Rey_148
• Track 304 : GardenSalsa_146, MrMagoo_148
• Track 305 : Nanosmite_142
• Track 306 : Kumao_96
• Track 307 : TinyDot_31

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

The start number called the most often in the published annotations is 111, it was called in 170 of the 340 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abrogate_380, Acme_40, Adahisdi_38, Aeneas_40, Ajay_38, Alsfro_41, Altman_39, Alvin_38, Arlo_36, Azula_38, BPBiebs31_38, Beatrix_37, BeesKnees_38, Begonia_38, Bethlehem_37, Bexan_35, Big3_37, BigMau_39, Bigfoot_35, BillKnuckles_38, Blackflame_37, Blesser_37, Blino_41, Blueberry_37, Bones_37, Burton_38, Bxb1_35, CactusRose_35, Chanagan_36, CheeseSpider_44, ConceptII_39, Crispicous1_36, Cueylyss_37, DD5_38, Dexes_37, Doom_37, DrFeelGood_36, Dreamboat_38, Dussy_38, Edtherson_38, Espresso_37, Euphoria_37, Eyeball_37, Fairfaxidum_39, Fajezeel_39, Fascinus_36, Fenn_38, Fenry_37, Feyre_38, GMonster_36, Gachnar_39, GageAP_39, Gandalf20_38, Gengar_38, Gompeii16_37, GrecoEtereo_39, Greg_39, Guillsminger_39, HanShotFirst_36, HarryOW_37, Heftyboy_38, Hermia_40, HermioneGrange_37, IgnatiusPatJac_36, JC27_38, Jalammah_42, Jasper_38, Jerm2_38, Jorgensen_37, JuJu_41, JuliaChild_39, KBG_38, KSSJEB_37, KappaFarmDelta_40, Kugel_38, KyMonks1A_40, Lamina13_37, Lesedi_36, Leston_38, Licorice_39, LilBib_37, Lockley_38, Lopton_38, LunarLander_38, Lysidious_38, Magnar_37, Makemake_38, Malachai_38, MalagasyRose_41, Marcell_37, Marchy_32, Maroc7_37, Marsha_37, MaryBeth_37, Mellie_37, MetalQZJ_37, Miryou_40, MissRona_38, Monet_39, Moose_37, MrGordo_37, Mryolo_35, Murp_39, Naira_38, Nhonho_37, Niza_40, Norz_39, Ohno789_37, Omnicron_41, Oogway_36, PCoral7_37, PSullivan_36, PacerPaul_38, Paola_38, Papez_39, Paraselene_36, Pari_38, Parliament_36, PascalRango_38, PattyP_39, Pelly_37, Perseus_39, Peterson_40, PherrisBueller_38, Phlippers_35, PinkPlastic_36, Pinto_39, Pippin_39, Pita2_39, PrincePatrick_38, Rajelicia_37, Rando14_40, Rhynn_37, RidgeCB_37, Ringer_38, Rufus_39, Rutherferd_39, Sagefire_39, Samba_38, Seabiscuit_39, Seanderson_38, Sibs6_38, SkiPole_40, Slagathor_38, Smairt_38, Smeagol_39, Snazzy_36, SoSeph_38, Solon_37, Squee_38, StrongArm_36, Sumter_36, Sunshine924_39, SwissCheese_39, Switzer_38, Swole_39, TheloniousMonk_39, Thyatira_40, TinyDot_31, Topgun_36, Traft412_39, Treddle_39, Tripl3t_38, Trouble_38, U2_37, Utz_33, Violet_36, Waterfoul_39, Wheeler_38, Wilkins_36, William_40, Wisp_35, Wocket_39, Zephyr_38, Zeuska_38, ZiggyZoo_38,

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

• A6_34, AFIS_37, Abbyshoes_39, Aldrich_39, Anglerfish_39, Arcanine_37, Ashballer_39, Atkinbua_39, BK1_34, BaconJack_40, Barriga_37, BarrowTuph_36, Bigchungi_37, Bircsak_37, Blue_37, Bob3_36, Briton15_39, Bruns_36, CarolAnn_40, CartmannCramer_37, CatBus_39, Ciao_37, Corvo_38, CurlyFries_45, DirtDevil_39, DreamCatcher_40, Dynamix_38, Forsytheast_37, Francis47_37, Froghopper_37, Frokostdame_39, Gambino_40, Graduation_39, GroundGoblin_39, Gwendoluna_40, Hope4ever_37, ILeeKay_39, Ichabod_38, Inyanga_35, Iqorha_35, JackSparrow_38, Kanely_38, Kenmech_40, KikiBouba_39, Killigrew_35, Kykar_36, Levia_34, MPlant7149_37, Magnito_36, Manatee_38, Marco3_37, Marge_38, McGuire_38, McSinger_38, Michley_37, MilleFeuille_34, Mkhuseli_38, Molly_39, Museum_39, NEHalo_37, Nerujay_38, Noxious_39, OkiRoe_38, Paphu_36, Payneful_37, Petp2012_39, Petruchio_38, PhineBark_36, PhrostyMug_38, PowerRanger_39, ProMouse_35, Puppet_37, QTRlifeCrisis_38, Raid_38, RegnumDei_43, Rohr_38, Ruotula_37, STLscum_38, Sandaddy_37, Sanya_36, SarFire_37, Scowl_37, Shagrat_42, Sorpresa_37, SpikeBT_39, Tasp14_38, Teodoridan_35, Thor_37, Toast_37, Turj99_36, TwoPeat_38, Watermelon_39, Zeeculate_37,

Genes that do not have the "Most Annotated" start:
• Aaronocolus_49, Agent47_39, AlleyCat_39, Alsaber_52, Alvy_56, Amela_51, Amethyst_51, Auspice_131, Aziz_145, BabyBack_34, BananenDer11_38, Barnstormer_59, BartholomewSD_56, BeardedLady_49, Bongo_130, Bovely_49, Bowden_53, Bricole_133, BryanRecycles_50, Caelum_54, Caliburn_48, Caron_62, Celery_54, Collard_38, Curiosium_43, Dadosky_39, Daudau_52, Dexers_50, Diminimus_131, DoubleChamp_38, Drake94_32, Dulcita_131, ELB20_52, Eddasa_50, Edugator_39, EnochSoames_52, Esperer_49, Estes_146, Exile_44, FreakyGoo_131, GardenSalsa_146, GenevaB15_148, Glaske16_133, Gretchen_58, Hydra_50, IPhane7_129, Indigo_48, InvictusManeo_38, Issmi_53, Izel_131, Izzy_50, Jash_50, Jevington_52, Jflix2_51, KittenMittens_32, KleverKiS_134, Kratio_37, Kumao_96, Larva_39, LastHope_43, Legacy_48, Leviticus_49, LilDirt_38, LilhomieP_131, Loofah_55, Madraxi_55, Marav_53, MrMagoo_148, Nanosmite_142, Neighly_39, Nerdos_48, Oliynyk_50, Omar_55, Ozzie_48, Pablito_52, Paedore_54, Paolo_54, Pavo_52, PeaceMeal1_32, PegLeg_134, Percival_59, Phettuccine_49, Poompha_32, Psycho_39, Puginator_54, R4_53, REQ1_22, Reindeer_133, Rey_148, RoseMarie_140, Rusticus_50, SFuller_50, Saftant_50, Severus_32, Skinny_137, SlimJimmy_130, Soondubu_46, SuMoo_64, Sudan_52, SunkenRoot_52, SunsetPointe_48, SuperHands_60, Thestral_55, ThursdayNight_52, TinaBelcher_53, TingHuaYa_41, TpudiCK_132, TrvxScott_52, TyDawg_126, Unstoppable_49, UtzChips_59, Verabelle_54, Verse_51, ViviJ_38, Zainub_54, phiCAM_49,

Summary by start number:

Start 33:
• Found in 2 of 385 (0.5%) of genes in pham
• No Manual Annotations of this start.
• Called 50.0% of time when present
• Phage (with cluster) where this start called: RegnumDei_43 (CF),

Start 42:
• Found in 5 of 385 (1.3%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Gambino_40 (CV),

Start 49:
• Found in 1 of 385 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Puginator_54 (BD2),

Start 58:
• Found in 5 of 385 (1.3%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 20.0% of time when present
• Phage (with cluster) where this start called: McGuire_38 (A1),

Start 60:
• Found in 7 of 385 (1.8%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 14.3% of time when present
• Phage (with cluster) where this start called: Jflix2_51 (CF),

Start 61:
• Found in 25 of 385 (6.5%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 4.0% of time when present
• Phage (with cluster) where this start called: Reindeer_133 (M1),

Start 62:
• Found in 12 of 385 (3.1%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 8.3% of time when present
• Phage (with cluster) where this start called: PhrostyMug_38 (A1),

Start 63:
• Found in 2 of 385 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Shagrat_42 (CF),

Start 64:
• Found in 1 of 385 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pablito_52 (BD2),

Start 66:
• Found in 199 of 385 (51.7%) of genes in pham
• Manual Annotations of this start: 28 of 340
• Called 15.6% of time when present
• Phage (with cluster) where this start called: Anglerfish_39 (A1), Arcanine_37 (A1), Ashballer_39 (A1), BarrowTuph_36 (A1), Blue_37 (A1), Corvo_38 (A1), DreamCatcher_40 (A1), Dynamix_38 (A1), Forsytheast_37 (A1), Froghopper_37 (A1), Kenmech_40 (A1), Kykar_36 (A1), MPlant7149_37 (A1), Magnito_36 (A1), Marco3_37 (A1), Michley_37 (A1), MilleFeuille_34 (A1), Molly_39 (A1), Nerujay_38 (A1), Paphu_36 (A1), Petp2012_39 (A1), Petruchio_38 (A1), ProMouse_35 (A1),

Raid_38 (A1), Rohr_38 (A1), Ruotula_37 (A1), Sorpresa_37 (A1), Thor_37 (A1), Turj99_36 (A1), TwoPeat_38 (A1), Watermelon_39 (A1),

Start 67:
• Found in 17 of 385 (4.4%) of genes in pham
• Manual Annotations of this start: 3 of 340
• Called 17.6% of time when present
• Phage (with cluster) where this start called: Jevington_52 (BD2), Marav_53 (BD2), Paolo_54 (BD2),

Start 70:
• Found in 200 of 385 (51.9%) of genes in pham
• Manual Annotations of this start: 3 of 340
• Called 1.5% of time when present
• Phage (with cluster) where this start called: Bob3_36 (A1), Briton15_39 (A1), McSinger_38 (A1),

Start 72:
• Found in 199 of 385 (51.7%) of genes in pham
• Manual Annotations of this start: 9 of 340
• Called 4.5% of time when present
• Phage (with cluster) where this start called: Abbyshoes_39 (A1), BaconJack_40 (A1), Bircsak_37 (A1), Hope4ever_37 (A1), JackSparrow_38 (A1), Marge_38 (A1), NEHalo_37 (A1), Scowl_37 (A1), Tasp14_38 (A1),

Start 73:
• Found in 199 of 385 (51.7%) of genes in pham
• Manual Annotations of this start: 10 of 340
• Called 8.5% of time when present
• Phage (with cluster) where this start called: A6_34 (A1), Atkinbua_39 (A1), BK1_34 (A1), GroundGoblin_39 (A1), Gwendoluna_40 (A1), ILeeKay_39 (A1), Ichabod_38 (A1), Levia_34 (A1), Manatee_38 (A1), Mkhuseli_38 (A1), Payneful_37 (A1), PowerRanger_39 (A1), Puppet_37 (A1), STLscum_38 (A1), Sandaddy_37 (A1), Sanya_36 (A1), Teodoridan_35 (A1),

Start 80:
• Found in 25 of 385 (6.5%) of genes in pham
• Manual Annotations of this start: 21 of 340
• Called 96.0% of time when present
• Phage (with cluster) where this start called: Auspice_131 (M1), Aziz_145 (M2), Bongo_130 (M1), Bricole_133 (M1), Diminimus_131 (M1), Dulcita_131 (M1), Estes_146 (M2), FreakyGoo_131 (M1), GardenSalsa_146 (M2), GenevaB15_148 (M2), Glaske16_133 (M1), IPhane7_129 (M1), Izel_131 (M1), KleverKiS_134 (M1), LilhomieP_131 (M1), MrMagoo_148 (M2), Nanosmite_142 (M3), PegLeg_134 (M1), Rey_148 (M2), RoseMarie_140 (M1), Skinny_137 (M1), SlimJimmy_130 (M1), TpudiCK_132 (M1), TyDawg_126 (M1),

Start 82:
• Found in 2 of 385 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Toast_37 (CV),

Start 83:
• Found in 204 of 385 (53.0%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 0.5% of time when present
• Phage (with cluster) where this start called: SarFire_37 (A1),

Start 86:
• Found in 21 of 385 (5.5%) of genes in pham
• Manual Annotations of this start: 3 of 340
• Called 14.3% of time when present
• Phage (with cluster) where this start called: AFIS_37 (A1), Graduation_39 (A1), SpikeBT_39 (A1),

Start 90:
• Found in 16 of 385 (4.2%) of genes in pham
• Manual Annotations of this start: 5 of 340
• Called 31.2% of time when present
• Phage (with cluster) where this start called: Bowden_53 (BD2), Caelum_54 (BD2), Omar_55 (BD2), TinaBelcher_53 (BD2), Zainub_54 (BD2),

Start 95:
• Found in 23 of 385 (6.0%) of genes in pham
• Manual Annotations of this start: 10 of 340
• Called 52.2% of time when present
• Phage (with cluster) where this start called: Alvy_56 (BD2), Amethyst_51 (BD2), BartholomewSD_56 (BD2), Daudau_52 (BD2), Issmi_53 (BD2), Loofah_55 (BD2), Paedore_54 (BD2), R4_53 (BD2), Thestral_55 (BD2), TrvxScott_52 (BD2), Verabelle_54 (BD3), phiCAM_49 (BD3),

Start 97:
• Found in 5 of 385 (1.3%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Frokostdame_39 (CV),

Start 98:
• Found in 7 of 385 (1.8%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 42.9% of time when present
• Phage (with cluster) where this start called: Madraxi_55 (CF), REQ1_22 (CF), SFuller_50 (CF),

Start 99:
• Found in 2 of 385 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Exile_44 (AZ6), Soondubu_46 (AZ6),

Start 100:
• Found in 14 of 385 (3.6%) of genes in pham
• Manual Annotations of this start: 7 of 340
• Called 50.0% of time when present

• Phage (with cluster) where this start called: Agent47_39 (K5), AlleyCat_39 (K5), Collard_38 (K5), Dadosky_39 (K5), Kratio_37 (K5), Larva_39 (K5), Psycho_39 (K5),

Start 101:
• Found in 5 of 385 (1.3%) of genes in pham
• Manual Annotations of this start: 3 of 340
• Called 60.0% of time when present
• Phage (with cluster) where this start called: KittenMittens_32 (A10), PeaceMeal1_32 (A10), Poompha_32 (A10),

Start 102:
• Found in 1 of 385 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Kumao_96 (singleton),

Start 103:
• Found in 6 of 385 (1.6%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Curiosium_43 (K1), ThursdayNight_52 (AZ), TingHuaYa_41 (K1),

Start 104:
• Found in 8 of 385 (2.1%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 12.5% of time when present
• Phage (with cluster) where this start called: CarolAnn_40 (CV),

Start 105:
• Found in 20 of 385 (5.2%) of genes in pham
• Manual Annotations of this start: 5 of 340
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Alsaber_52 (BD3), Amela_51 (BD3), Celery_54 (BD3), Dexers_50 (BD3), OkiRoe_38 (K5), Sudan_52 (BD3), SunkenRoot_52 (BD3), Verse_51 (BD3),

Start 106:
• Found in 2 of 385 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CurlyFries_45 (CF), Saftant_50 (BD3),

Start 107:
• Found in 7 of 385 (1.8%) of genes in pham
• Manual Annotations of this start: 6 of 340
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Barnstormer_59 (EH), Caron_62 (EH), Gretchen_58 (EH), Percival_59 (EH), SuMoo_64 (EH), SuperHands_60 (EH), UtzChips_59 (EH),

Start 108:
• Found in 6 of 385 (1.6%) of genes in pham

• Manual Annotations of this start: 3 of 340
• Called 50.0% of time when present
• Phage (with cluster) where this start called: BabyBack_34 (A2), Drake94_32 (A10), Severus_32 (A10),

Start 109:
• Found in 2 of 385 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Pavo_52 (BD3),

Start 110:
• Found in 22 of 385 (5.7%) of genes in pham
• Manual Annotations of this start: 5 of 340
• Called 27.3% of time when present
• Phage (with cluster) where this start called: Bovely_49 (BD1), EnochSoames_52 (BD1), Hydra_50 (BD1), Indigo_48 (BD1), Leviticus_49 (BD1), Ozzie_48 (BD1),

Start 111:
• Found in 269 of 385 (69.9%) of genes in pham
• Manual Annotations of this start: 170 of 340
• Called 65.4% of time when present
• Phage (with cluster) where this start called: Abrogate_380 (A1), Acme_40 (A1), Adahisdi_38 (A1), Aeneas_40 (A1), Ajay_38 (A1), Alsfro_41 (A1), Altman_39 (A1), Alvin_38 (A1), Arlo_36 (A1), Azula_38 (CV), BPBiebs31_38 (A1), Beatrix_37 (A1), BeesKnees_38 (A1), Begonia_38 (CV), Bethlehem_37 (A1), Bexan_35 (A1), Big3_37 (A1), BigMau_39 (A1), Bigfoot_35 (A1), BillKnuckles_38 (A1), Blackflame_37 (A1), Blesser_37 (A1), Blino_41 (CV), Blueberry_37 (CV), Bones_37 (A1), Burton_38 (A1), Bxb1_35 (A1), CactusRose_35 (A1), Chanagan_36 (A1), CheeseSpider_44 (CV), ConceptII_39 (A1), Crispicous1_36 (A1), Cueylyss_37 (A1), DD5_38 (A1), Dexes_37 (A1), Doom_37 (A1), DrFeelGood_36 (A1), Dreamboat_38 (A1), Dussy_38 (A1), Edtherson_38 (A1), Espresso_37 (A1), Euphoria_37 (A1), Eyeball_37 (A1), Fairfaxidum_39 (CV), Fajezeel_39 (A1), Fascinus_36 (A1), Fenn_38 (A1), Fenry_37 (CV), Feyre_38 (K5), GMonster_36 (A1), Gachnar_39 (A1), GageAP_39 (A1), Gandalf20_38 (A1), Gengar_38 (K5), Gompeii16_37 (A1), GrecoEtereo_39 (A1), Greg_39 (A1), Guillsminger_39 (K5), HanShotFirst_36 (A1), HarryOW_37 (A1), Heftyboy_38 (K5), Hermia_40 (A1), HermioneGrange_37 (A1), IgnatiusPatJac_36 (A1), JC27_38 (A1), Jalammah_42 (CV), Jasper_38 (A1), Jerm2_38 (A1), Jorgensen_37 (A1), JuJu_41 (CV), JuliaChild_39 (A1), KBG_38 (A1), KSSJEB_37 (A1), KappaFarmDelta_40 (CV), Kugel_38 (A1), KyMonks1A_40 (A1), Lamina13_37 (A1), Lesedi_36 (A1), Leston_38 (K5), Licorice_39 (A1), LilBib_37 (A1), Lockley_38 (A1), Lopton_38 (A1), LunarLander_38 (A1), Lysidious_38 (CV), Magnar_37 (A1), Makemake_38 (A1), Malachai_38 (CV), MalagasyRose_41 (AG), Marcell_37 (A1), Marchy_32 (A1), Maroc7_37 (A1), Marsha_37 (A1), MaryBeth_37 (A1), Mellie_37 (CV), MetalQZJ_37 (A1), Miryou_40 (K5), MissRona_38 (CV), Monet_39 (A1), Moose_37 (A1), MrGordo_37 (A1), Mryolo_35 (A1), Murp_39 (CV), Naira_38 (A1), Nhonho_37 (A1), Niza_40 (A1), Norz_39 (A1), Ohno789_37 (A1), Omnicron_41 (K5), Oogway_36 (A1), PCoral7_37 (CV), PSullivan_36 (A1), PacerPaul_38 (A1), Paola_38 (K5), Papez_39 (A1), Paraselene_36 (A1), Pari_38 (A1), Parliament_36 (A1), PascalRango_38 (A1), PattyP_39 (A1), Pelly_37 (A1), Perseus_39 (A1), Peterson_40 (A1), PherrisBueller_38 (A1), Phlippers_35 (A1), PinkPlastic_36 (A1), Pinto_39 (A1), Pippin_39 (A1), Pita2_39 (A1), PrincePatrick_38 (CV), Rajelicia_37 (A1), Rando14_40 (K5), Rhynn_37 (A1), RidgeCB_37 (A1), Ringer_38 (A1), Rufus_39

(A1), Rutherferd_39 (A1), Sagefire_39 (A1), Samba_38 (CV), Seabiscuit_39 (A1), Seanderson_38 (A1), Sibs6_38 (A1), SkiPole_40 (A1), Slagathor_38 (A1), Smairt_38 (A1), Smeagol_39 (A1), Snazzy_36 (A1), SoSeph_38 (K5), Solon_37 (A1), Squee_38 (A1), StrongArm_36 (A1), Sumter_36 (A1), Sunshine924_39 (A1), SwissCheese_39 (A1), Switzer_38 (A1), Swole_39 (A1), TheloniousMonk_39 (A1), Thyatira_40 (K5), TinyDot_31 (singleton), Topgun_36 (A1), Traft412_39 (A1), Treddle_39 (A1), Tripl3t_38 (A1), Trouble_38 (A1), U2_37 (A1), Utz_33 (CV), Violet_36 (A1), Waterfoul_39 (K5), Wheeler_38 (A1), Wilkins_36 (A1), William_40 (CV), Wisp_35 (CV), Wocket_39 (CV), Zephyr_38 (A1), Zeuska_38 (A1), ZiggyZoo_38 (CV),

Start 113:
• Found in 48 of 385 (12.5%) of genes in pham
• Manual Annotations of this start: 16 of 340
• Called 33.3% of time when present
• Phage (with cluster) where this start called: BeardedLady_49 (BD1), BryanRecycles_50 (BD1), Caliburn_48 (BD1), Eddasa_50 (BD1), Esperer_49 (BD1), Izzy_50 (BD1), Jash_50 (BD1), LastHope_43 (K1), Legacy_48 (BD1), Museum_39 (A1), Nerdos_48 (BD1), Oliynyk_50 (BD1), Phettuccine_49 (BD1), Rusticus_50 (BD1), SunsetPointe_48 (BD1), Unstoppable_49 (BD1),

Start 115:
• Found in 128 of 385 (33.2%) of genes in pham
• Manual Annotations of this start: 10 of 340
• Called 14.1% of time when present
• Phage (with cluster) where this start called: Aldrich_39 (A1), Barriga_37 (A1), Bigchungi_37 (A1), Bruns_36 (A1), CartmannCramer_37 (A1), CatBus_39 (A1), Ciao_37 (A1), DirtDevil_39 (A1), Francis47_37 (A1), Inyanga_35 (A1), Iqorha_35 (A1), Kanely_38 (A1), KikiBouba_39 (A1), Killigrew_35 (A1), Noxious_39 (A1), PhineBark_36 (A1), QTRlifeCrisis_38 (A1), Zeeculate_37 (A1),

Start 121:
• Found in 34 of 385 (8.8%) of genes in pham
• Manual Annotations of this start: 3 of 340
• Called 20.6% of time when present
• Phage (with cluster) where this start called: BananenDer11_38 (K5), DoubleChamp_38 (K5), Edugator_39 (K5), InvictusManeo_38 (K5), LilDirt_38 (K5), Neighly_39 (K3), ViviJ_38 (K5),

Start 125:
• Found in 9 of 385 (2.3%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 11.1% of time when present
• Phage (with cluster) where this start called: ELB20_52 (BD2),

Start 129:
• Found in 24 of 385 (6.2%) of genes in pham
• Manual Annotations of this start: 1 of 340
• Called 4.2% of time when present
• Phage (with cluster) where this start called: Aaronocolus_49 (BD1),

Summary by clusters:

There are 19 clusters represented in this pham: K3, singleton, EH, AG, M2, CF, M3, BD3, A1, K1, A2, M1, K5, BD2, BD1, AZ, CV, AZ6, A10,

Info for manual annotations of cluster A1:
•Start number 58 was manually annotated 1 time for cluster A1.
•Start number 62 was manually annotated 1 time for cluster A1.
•Start number 66 was manually annotated 28 times for cluster A1.
•Start number 70 was manually annotated 3 times for cluster A1.
•Start number 72 was manually annotated 9 times for cluster A1.
•Start number 73 was manually annotated 10 times for cluster A1.
•Start number 83 was manually annotated 1 time for cluster A1.
•Start number 86 was manually annotated 3 times for cluster A1.
•Start number 111 was manually annotated 135 times for cluster A1.
•Start number 113 was manually annotated 1 time for cluster A1.
•Start number 115 was manually annotated 10 times for cluster A1.

Info for manual annotations of cluster A10:
•Start number 101 was manually annotated 3 times for cluster A10.
•Start number 108 was manually annotated 2 times for cluster A10.

Info for manual annotations of cluster A2:
•Start number 108 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster AG:
•Start number 111 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AZ6:
•Start number 99 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster BD1:
•Start number 110 was manually annotated 5 times for cluster BD1.
•Start number 113 was manually annotated 14 times for cluster BD1.
•Start number 129 was manually annotated 1 time for cluster BD1.

Info for manual annotations of cluster BD2:
•Start number 49 was manually annotated 1 time for cluster BD2.
•Start number 64 was manually annotated 1 time for cluster BD2.
•Start number 67 was manually annotated 3 times for cluster BD2.
•Start number 90 was manually annotated 5 times for cluster BD2.
•Start number 95 was manually annotated 10 times for cluster BD2.
•Start number 125 was manually annotated 1 time for cluster BD2.

Info for manual annotations of cluster BD3:
•Start number 105 was manually annotated 4 times for cluster BD3.
•Start number 106 was manually annotated 1 time for cluster BD3.
•Start number 109 was manually annotated 1 time for cluster BD3.

Info for manual annotations of cluster CF:
•Start number 60 was manually annotated 1 time for cluster CF.
•Start number 63 was manually annotated 1 time for cluster CF.
•Start number 98 was manually annotated 1 time for cluster CF.

Info for manual annotations of cluster CV:
•Start number 42 was manually annotated 1 time for cluster CV.
•Start number 82 was manually annotated 1 time for cluster CV.
•Start number 97 was manually annotated 1 time for cluster CV.
•Start number 104 was manually annotated 1 time for cluster CV.
•Start number 111 was manually annotated 21 times for cluster CV.

Info for manual annotations of cluster EH:
•Start number 107 was manually annotated 6 times for cluster EH.

Info for manual annotations of cluster K1:
•Start number 103 was manually annotated 1 time for cluster K1.
•Start number 113 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K5:
•Start number 100 was manually annotated 7 times for cluster K5.
•Start number 105 was manually annotated 1 time for cluster K5.
•Start number 111 was manually annotated 12 times for cluster K5.
•Start number 121 was manually annotated 3 times for cluster K5.

Info for manual annotations of cluster M1:
•Start number 61 was manually annotated 1 time for cluster M1.
•Start number 80 was manually annotated 14 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 80 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 80 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: A6_34 Start: 28460, Stop: 30028, Start Num: 73
Candidate Starts for A6_34:
(Start: 66 @28445 has 28 MA's), (Start: 70 @28451 has 3 MA's), (Start: 72 @28457 has 9 MA's), (Start: 73 @28460 has 10 MA's), (Start: 83 @28475 has 1 MA's), (Start: 111 @28526 has 170 MA's), (Start: 113 @28535 has 16 MA's), (147, 28745), (149, 28751), (153, 28772), (175, 28901), (177, 28910), (178, 28919), (192, 29027), (197, 29048), (200, 29060), (203, 29084), (211, 29126), (234, 29255), (246, 29315), (258, 29372), (264, 29399), (268, 29426), (270, 29429), (273, 29441), (293, 29510), (301, 29543), (303, 29549), (313, 29582), (326, 29663), (330, 29678), (351, 29783), (378, 29897), (409, 29996), (417, 30020),

Gene: AFIS_37 Start: 29661, Stop: 31205, Start Num: 86
Candidate Starts for AFIS_37:
(54, 29604), (Start: 60 @29616 has 1 MA's), (Start: 86 @29661 has 3 MA's), (Start: 111 @29706 has 170 MA's), (118, 29739), (147, 29925), (149, 29931), (153, 29952), (175, 30081), (177, 30090), (178, 30099), (192, 30207), (197, 30228), (200, 30240), (234, 30435), (246, 30495), (258, 30552), (268, 30606), (273, 30621), (301, 30720), (313, 30759), (326, 30840), (330, 30855), (378, 31074), (409, 31173), (417, 31197),

Gene: Aaronocolus_49 Start: 34181, Stop: 35398, Start Num: 129
Candidate Starts for Aaronocolus_49:
(Start: 110 @34064 has 5 MA's), (Start: 113 @34076 has 16 MA's), (117, 34091), (127, 34178), (Start: 129 @34181 has 1 MA's), (135, 34205), (142, 34247), (145, 34256), (152, 34298), (153, 34307), (155, 34319), (171, 34409), (172, 34418), (177, 34442), (193, 34562), (198, 34568), (219, 34658), (229, 34673), (231, 34682), (239, 34715), (262, 34826), (263, 34832), (274, 34880), (279, 34895), (286, 34910), (306, 34970), (313, 34994), (328, 35075), (336, 35105), (341, 35135), (351, 35183), (372, 35261), (383, 35309), (385, 35318), (394, 35345), (410, 35384),

Gene: Abbyshoes_39 Start: 29526, Stop: 31109, Start Num: 72
Candidate Starts for Abbyshoes_39:
(Start: 66 @29514 has 28 MA's), (Start: 70 @29520 has 3 MA's), (Start: 72 @29526 has 9 MA's), (Start: 73 @29529 has 10 MA's), (Start: 83 @29544 has 1 MA's), (Start: 111 @29595 has 170 MA's), (114, 29607), (149, 29820), (152, 29832), (153, 29841), (159, 29874), (175, 29970), (177, 29979), (178, 29988), (192, 30096), (197, 30117), (200, 30129), (203, 30153), (211, 30195), (234, 30324), (246, 30384), (258, 30441), (264, 30468), (268, 30495), (270, 30498), (273, 30510), (293, 30579), (303, 30618), (313, 30651), (326, 30732), (330, 30747), (378, 30966),

Gene: Abrogate_380 Start: 30330, Stop: 31832, Start Num: 111
Candidate Starts for Abrogate_380:
(Start: 62 @30240 has 1 MA's), (Start: 66 @30249 has 28 MA's), (Start: 70 @30255 has 3 MA's), (Start: 72 @30261 has 9 MA's), (Start: 73 @30264 has 10 MA's), (Start: 83 @30279 has 1 MA's), (Start: 111 @30330 has 170 MA's), (Start: 115 @30345 has 10 MA's), (147, 30549), (149, 30555), (175, 30705), (177, 30714), (178, 30723), (192, 30831), (197, 30852), (200, 30864), (203, 30888), (211, 30930), (234, 31059), (246, 31119), (258, 31176), (264, 31203), (266, 31218), (267, 31221), (268, 31230), (270, 31233), (273, 31245), (303, 31353), (313, 31386), (326, 31467), (330, 31482), (378, 31701), (409, 31800), (417, 31824),

Gene: Acme_40 Start: 29877, Stop: 31391, Start Num: 111
Candidate Starts for Acme_40:
(Start: 66 @29796 has 28 MA's), (Start: 70 @29802 has 3 MA's), (Start: 72 @29808 has 9 MA's), (Start: 73 @29811 has 10 MA's), (Start: 83 @29826 has 1 MA's), (Start: 111 @29877 has 170 MA's), (Start: 115 @29892 has 10 MA's), (132, 29994), (149, 30102), (153, 30123), (175, 30252), (177, 30261), (178, 30270), (179, 30276), (189, 30366), (192, 30378), (200, 30411), (206, 30447), (234, 30606), (246, 30666), (258, 30723), (264, 30750), (268, 30777), (270, 30780), (273, 30792), (293, 30861), (301, 30894), (303, 30900), (313, 30933), (326, 31014), (330, 31029), (351, 31134), (378, 31248),

Gene: Adahisdi_38 Start: 29753, Stop: 31255, Start Num: 111
Candidate Starts for Adahisdi_38:
(Start: 66 @29672 has 28 MA's), (Start: 70 @29678 has 3 MA's), (Start: 72 @29684 has 9 MA's), (Start: 73 @29687 has 10 MA's), (Start: 83 @29702 has 1 MA's), (Start: 111 @29753 has 170 MA's), (128, 29861), (149, 29978), (153, 29999), (175, 30128), (177, 30137), (178, 30146), (192, 30254), (197, 30275), (200, 30287), (203, 30311), (234, 30482), (246, 30542), (258, 30599), (264, 30626), (268, 30653), (270, 30656), (273, 30668), (293, 30737), (301, 30770), (303, 30776), (313, 30809), (326, 30890), (330, 30905), (351, 31010), (378, 31124), (409, 31223), (417, 31247),

Gene: Aeneas_40 Start: 29906, Stop: 31408, Start Num: 111
Candidate Starts for Aeneas_40:
(Start: 66 @29825 has 28 MA's), (Start: 70 @29831 has 3 MA's), (Start: 72 @29837 has 9 MA's), (Start: 73 @29840 has 10 MA's), (Start: 83 @29855 has 1 MA's), (Start: 111 @29906 has 170 MA's), (Start: 115 @29921 has 10 MA's), (117, 29930), (147, 30125), (149, 30131), (153, 30152), (175, 30281), (177, 30290), (178, 30299), (192, 30407), (197, 30428), (200, 30440), (203, 30464), (211,

30506), (234, 30635), (246, 30695), (258, 30752), (264, 30779), (268, 30806), (270, 30809), (273, 30821), (303, 30929), (313, 30962), (326, 31043), (330, 31058), (378, 31277), (409, 31376), (417, 31400),

Gene: Agent47_39 Start: 31420, Stop: 32865, Start Num: 100
Candidate Starts for Agent47_39:
(14, 31168), (27, 31231), (40, 31285), (78, 31372), (Start: 100 @31420 has 7 MA's), (Start: 121 @31495 has 3 MA's), (122, 31507), (142, 31618), (143, 31621), (148, 31654), (153, 31678), (164, 31741), (177, 31816), (221, 32092), (274, 32314), (277, 32326), (296, 32374), (300, 32404), (306, 32425), (313, 32449), (344, 32602), (362, 32683), (365, 32689), (369, 32701), (377, 32737), (379, 32743), (383, 32764), (388, 32779), (390, 32785), (407, 32833), (412, 32842),

Gene: Ajay_38 Start: 29543, Stop: 31045, Start Num: 111
Candidate Starts for Ajay_38:
(Start: 66 @29462 has 28 MA's), (Start: 70 @29468 has 3 MA's), (Start: 72 @29474 has 9 MA's), (Start: 73 @29477 has 10 MA's), (Start: 83 @29492 has 1 MA's), (Start: 111 @29543 has 170 MA's), (147, 29762), (149, 29768), (153, 29789), (173, 29906), (175, 29918), (177, 29927), (178, 29936), (179, 29942), (189, 30032), (192, 30044), (200, 30077), (234, 30272), (246, 30332), (258, 30389), (264, 30416), (268, 30443), (270, 30446), (273, 30458), (293, 30527), (301, 30560), (303, 30566), (313, 30599), (326, 30680), (330, 30695), (351, 30800), (378, 30914), (409, 31013), (417, 31037),

Gene: Aldrich_39 Start: 30730, Stop: 32217, Start Num: 115
Candidate Starts for Aldrich_39:
(Start: 66 @30634 has 28 MA's), (Start: 70 @30640 has 3 MA's), (Start: 72 @30646 has 9 MA's), (Start: 73 @30649 has 10 MA's), (Start: 83 @30664 has 1 MA's), (Start: 111 @30715 has 170 MA's), (Start: 115 @30730 has 10 MA's), (147, 30934), (149, 30940), (153, 30961), (173, 31078), (175, 31090), (177, 31099), (178, 31108), (189, 31204), (192, 31216), (197, 31237), (200, 31249), (203, 31273), (234, 31444), (246, 31504), (258, 31561), (264, 31588), (268, 31615), (273, 31630), (293, 31699), (303, 31738), (313, 31771), (326, 31852), (330, 31867), (351, 31972), (378, 32086), (409, 32185), (417, 32209),

Gene: AlleyCat_39 Start: 31272, Stop: 32717, Start Num: 100
Candidate Starts for AlleyCat_39:
(30, 31101), (40, 31137), (78, 31224), (Start: 100 @31272 has 7 MA's), (Start: 121 @31347 has 3 MA's), (122, 31359), (142, 31470), (143, 31473), (148, 31506), (153, 31530), (164, 31593), (177, 31668), (221, 31944), (274, 32166), (277, 32178), (296, 32226), (300, 32256), (306, 32277), (313, 32301), (344, 32454), (362, 32535), (365, 32541), (369, 32553), (377, 32589), (379, 32595), (382, 32613), (383, 32616), (388, 32631), (390, 32637), (407, 32685), (412, 32694),

Gene: Alsaber_52 Start: 36706, Stop: 38124, Start Num: 105
Candidate Starts for Alsaber_52:
(92, 36682), (Start: 105 @36706 has 5 MA's), (117, 36736), (Start: 125 @36817 has 1 MA's), (145, 36901), (146, 36919), (152, 36943), (153, 36952), (155, 36964), (160, 36991), (168, 37024), (172, 37063), (173, 37066), (177, 37087), (198, 37213), (210, 37276), (233, 37402), (243, 37447), (262, 37540), (286, 37624), (305, 37681), (308, 37693), (313, 37708), (329, 37792), (335, 37813), (341, 37849), (348, 37882), (368, 37960), (383, 38023), (389, 38041), (398, 38074), (399, 38077),

Gene: Alsfro_41 Start: 29931, Stop: 31442, Start Num: 111
Candidate Starts for Alsfro_41:
(Start: 111 @29931 has 170 MA's), (114, 29943), (Start: 115 @29946 has 10 MA's), (118, 29964), (128, 30039), (130, 30042), (134, 30066), (137, 30078), (147, 30150), (149, 30156), (152, 30168), (159, 30210), (164, 30240), (165, 30243), (175, 30306), (177, 30315), (178, 30324), (179, 30330), (189, 30420), (192, 30432), (200, 30465), (234, 30660), (246, 30720), (258, 30777), (268, 30831),

(273, 30846), (301, 30945), (313, 30984), (314, 30987), (326, 31065), (330, 31080), (378, 31299),

Gene: Altman_39 Start: 30360, Stop: 31874, Start Num: 111
Candidate Starts for Altman_39:
(Start: 66 @30279 has 28 MA's), (Start: 70 @30285 has 3 MA's), (Start: 72 @30291 has 9 MA's), (Start: 73 @30294 has 10 MA's), (Start: 83 @30309 has 1 MA's), (Start: 111 @30360 has 170 MA's), (128, 30468), (147, 30579), (149, 30585), (153, 30606), (175, 30735), (177, 30744), (178, 30753), (192, 30861), (197, 30882), (200, 30894), (203, 30918), (211, 30960), (234, 31089), (246, 31149), (258, 31206), (264, 31233), (268, 31260), (270, 31263), (273, 31275), (293, 31344), (301, 31377), (303, 31383), (313, 31416), (326, 31497), (330, 31512), (351, 31617), (378, 31731),

Gene: Alvin_38 Start: 30002, Stop: 31504, Start Num: 111
Candidate Starts for Alvin_38:
(Start: 66 @29921 has 28 MA's), (Start: 70 @29927 has 3 MA's), (Start: 72 @29933 has 9 MA's), (Start: 73 @29936 has 10 MA's), (Start: 83 @29951 has 1 MA's), (Start: 111 @30002 has 170 MA's), (Start: 115 @30017 has 10 MA's), (147, 30221), (149, 30227), (153, 30248), (159, 30281), (175, 30377), (177, 30386), (178, 30395), (192, 30503), (197, 30524), (200, 30536), (203, 30560), (234, 30731), (246, 30791), (258, 30848), (268, 30902), (270, 30905), (273, 30917), (293, 30986), (303, 31025), (313, 31058), (326, 31139), (330, 31154), (351, 31259), (378, 31373), (409, 31472), (417, 31496),

Gene: Alvy_56 Start: 38642, Stop: 40063, Start Num: 95
Candidate Starts for Alvy_56:
(57, 38561), (Start: 62 @38570 has 1 MA's), (Start: 67 @38582 has 3 MA's), (Start: 90 @38633 has 5 MA's), (Start: 95 @38642 has 10 MA's), (142, 38852), (149, 38879), (154, 38909), (175, 39017), (193, 39146), (205, 39194), (229, 39305), (231, 39314), (236, 39341), (242, 39362), (243, 39365), (249, 39404), (252, 39419), (292, 39563), (312, 39647), (338, 39764), (344, 39800), (355, 39854), (356, 39857), (367, 39890), (383, 39956), (403, 40013), (419, 40052),

Gene: Amela_51 Start: 37563, Stop: 38975, Start Num: 105
Candidate Starts for Amela_51:
(Start: 105 @37563 has 5 MA's), (117, 37593), (142, 37749), (145, 37758), (146, 37776), (148, 37785), (152, 37800), (153, 37809), (155, 37821), (160, 37848), (164, 37872), (168, 37881), (172, 37920), (173, 37923), (177, 37944), (198, 38070), (199, 38073), (210, 38133), (229, 38244), (233, 38259), (243, 38304), (262, 38397), (274, 38451), (279, 38466), (286, 38481), (308, 38550), (313, 38565), (324, 38628), (341, 38706), (351, 38754), (383, 38880), (389, 38898), (399, 38934), (410, 38955),

Gene: Amethyst_51 Start: 36872, Stop: 38293, Start Num: 95
Candidate Starts for Amethyst_51:
(57, 36791), (Start: 62 @36800 has 1 MA's), (Start: 67 @36812 has 3 MA's), (Start: 90 @36863 has 5 MA's), (Start: 95 @36872 has 10 MA's), (116, 36917), (140, 37061), (142, 37082), (149, 37109), (154, 37139), (175, 37247), (193, 37376), (199, 37385), (205, 37424), (211, 37454), (217, 37502), (229, 37535), (231, 37544), (242, 37592), (243, 37595), (249, 37634), (252, 37649), (292, 37793), (312, 37877), (338, 37994), (344, 38030), (355, 38084), (356, 38087), (367, 38120), (370, 38129), (383, 38186), (400, 38234), (403, 38243),

Gene: Anglerfish_39 Start: 29761, Stop: 31353, Start Num: 66
Candidate Starts for Anglerfish_39:
(Start: 66 @29761 has 28 MA's), (Start: 70 @29767 has 3 MA's), (Start: 72 @29773 has 9 MA's), (Start: 73 @29776 has 10 MA's), (Start: 83 @29791 has 1 MA's), (Start: 111 @29842 has 170 MA's), (Start: 115 @29857 has 10 MA's), (128, 29950), (147, 30061), (149, 30067), (175, 30217), (177, 30226), (178, 30235), (192, 30343), (197, 30364), (200, 30376), (203, 30400), (211, 30442), (234, 30571), (246, 30631), (258, 30688), (268, 30742), (270, 30745), (273, 30757), (313, 30895), (326,

30976), (330, 30991), (334, 31006), (378, 31210),

Gene: Arcanine_37 Start: 28843, Stop: 30426, Start Num: 66
Candidate Starts for Arcanine_37:
(Start: 66 @28843 has 28 MA's), (Start: 70 @28849 has 3 MA's), (Start: 72 @28855 has 9 MA's), (Start: 73 @28858 has 10 MA's), (Start: 83 @28873 has 1 MA's), (Start: 111 @28924 has 170 MA's), (Start: 115 @28939 has 10 MA's), (147, 29143), (149, 29149), (175, 29299), (177, 29308), (178, 29317), (192, 29425), (197, 29446), (200, 29458), (203, 29482), (211, 29524), (234, 29653), (246, 29713), (258, 29770), (264, 29797), (268, 29824), (270, 29827), (273, 29839), (293, 29908), (301, 29941), (303, 29947), (313, 29980), (326, 30061), (330, 30076), (351, 30181), (378, 30295), (409, 30394), (417, 30418),

Gene: Arlo_36 Start: 29428, Stop: 30942, Start Num: 111
Candidate Starts for Arlo_36:
(Start: 66 @29347 has 28 MA's), (Start: 70 @29353 has 3 MA's), (Start: 72 @29359 has 9 MA's), (Start: 73 @29362 has 10 MA's), (Start: 83 @29377 has 1 MA's), (Start: 111 @29428 has 170 MA's), (147, 29647), (149, 29653), (153, 29674), (173, 29791), (175, 29803), (177, 29812), (178, 29821), (192, 29929), (197, 29950), (200, 29962), (203, 29986), (211, 30028), (234, 30157), (246, 30217), (258, 30274), (264, 30301), (268, 30328), (270, 30331), (273, 30343), (293, 30412), (301, 30445), (303, 30451), (313, 30484), (326, 30565), (330, 30580), (378, 30799),

Gene: Ashballer_39 Start: 30219, Stop: 31802, Start Num: 66
Candidate Starts for Ashballer_39:
(Start: 66 @30219 has 28 MA's), (Start: 70 @30225 has 3 MA's), (Start: 72 @30231 has 9 MA's), (Start: 73 @30234 has 10 MA's), (Start: 83 @30249 has 1 MA's), (Start: 111 @30300 has 170 MA's), (147, 30519), (149, 30525), (175, 30675), (177, 30684), (178, 30693), (192, 30801), (197, 30822), (200, 30834), (203, 30858), (211, 30900), (234, 31029), (246, 31089), (258, 31146), (264, 31173), (268, 31200), (273, 31215), (293, 31284), (303, 31323), (313, 31356), (326, 31437), (330, 31452), (378, 31671), (409, 31770), (417, 31794),

Gene: Atkinbua_39 Start: 29777, Stop: 31345, Start Num: 73
Candidate Starts for Atkinbua_39:
(Start: 66 @29762 has 28 MA's), (Start: 70 @29768 has 3 MA's), (Start: 72 @29774 has 9 MA's), (Start: 73 @29777 has 10 MA's), (Start: 83 @29792 has 1 MA's), (Start: 111 @29843 has 170 MA's), (147, 30062), (149, 30068), (153, 30089), (175, 30218), (177, 30227), (178, 30236), (192, 30344), (197, 30365), (200, 30377), (203, 30401), (211, 30443), (234, 30572), (246, 30632), (258, 30689), (264, 30716), (268, 30743), (273, 30758), (303, 30866), (313, 30899), (326, 30980), (330, 30995), (378, 31214), (409, 31313), (417, 31337),

Gene: Auspice_131 Start: 69640, Stop: 68180, Start Num: 80
Candidate Starts for Auspice_131:
(Start: 61 @69682 has 1 MA's), (76, 69649), (Start: 80 @69640 has 21 MA's), (117, 69568), (130, 69487), (139, 69445), (142, 69421), (155, 69349), (172, 69232), (182, 69169), (196, 69085), (199, 69073), (206, 69031), (210, 69013), (246, 68851), (250, 68830), (263, 68779), (271, 68752), (279, 68725), (314, 68605), (344, 68455), (363, 68377), (375, 68332), (391, 68275),

Gene: Aziz_145 Start: 70550, Stop: 69096, Start Num: 80
Candidate Starts for Aziz_145:
(Start: 61 @70592 has 1 MA's), (76, 70559), (Start: 80 @70550 has 21 MA's), (112, 70496), (117, 70478), (126, 70403), (155, 70259), (172, 70142), (182, 70079), (199, 69989), (206, 69947), (253, 69734), (263, 69695), (271, 69668), (279, 69641), (302, 69560), (311, 69530), (313, 69524), (314, 69521), (344, 69371), (349, 69350), (363, 69293), (391, 69191),

Gene: Azula_38 Start: 30375, Stop: 31766, Start Num: 111
Candidate Starts for Azula_38:
(Start: 42 @30240 has 1 MA's), (Start: 97 @30354 has 1 MA's), (Start: 111 @30375 has 170 MA's), (132, 30495), (162, 30672), (183, 30798), (188, 30852), (211, 30969), (228, 31047), (242, 31110), (247, 31146), (266, 31224), (274, 31251), (284, 31266), (302, 31332), (303, 31335), (310, 31359), (313, 31368), (314, 31371), (329, 31449), (341, 31506), (349, 31542), (356, 31575), (358, 31584), (364, 31602), (379, 31653),

Gene: BK1_34 Start: 28460, Stop: 30028, Start Num: 73
Candidate Starts for BK1_34:
(Start: 66 @28445 has 28 MA's), (Start: 70 @28451 has 3 MA's), (Start: 72 @28457 has 9 MA's), (Start: 73 @28460 has 10 MA's), (Start: 83 @28475 has 1 MA's), (Start: 111 @28526 has 170 MA's), (Start: 113 @28535 has 16 MA's), (147, 28745), (149, 28751), (153, 28772), (175, 28901), (177, 28910), (178, 28919), (192, 29027), (197, 29048), (200, 29060), (203, 29084), (211, 29126), (234, 29255), (246, 29315), (258, 29372), (264, 29399), (268, 29426), (270, 29429), (273, 29441), (293, 29510), (301, 29543), (303, 29549), (313, 29582), (326, 29663), (330, 29678), (351, 29783), (378, 29897), (409, 29996), (417, 30020),

Gene: BPBiebs31_38 Start: 29878, Stop: 31392, Start Num: 111
Candidate Starts for BPBiebs31_38:
(Start: 66 @29797 has 28 MA's), (Start: 70 @29803 has 3 MA's), (Start: 72 @29809 has 9 MA's), (Start: 73 @29812 has 10 MA's), (Start: 83 @29827 has 1 MA's), (Start: 111 @29878 has 170 MA's), (Start: 115 @29893 has 10 MA's), (147, 30097), (149, 30103), (152, 30115), (153, 30124), (175, 30253), (177, 30262), (178, 30271), (192, 30379), (197, 30400), (200, 30412), (203, 30436), (211, 30478), (234, 30607), (246, 30667), (258, 30724), (268, 30778), (273, 30793), (303, 30901), (313, 30934), (326, 31015), (330, 31030), (351, 31135), (378, 31249),

Gene: BabyBack_34 Start: 26301, Stop: 27938, Start Num: 108
Candidate Starts for BabyBack_34:
(91, 26265), (Start: 108 @26301 has 3 MA's), (128, 26418), (132, 26427), (134, 26445), (147, 26529), (159, 26589), (170, 26649), (172, 26670), (177, 26694), (178, 26703), (189, 26799), (201, 26859), (206, 26883), (218, 26964), (226, 27003), (234, 27039), (266, 27204), (268, 27216), (276, 27240), (303, 27360), (313, 27393), (315, 27402), (375, 27699), (378, 27708), (411, 27810), (417, 27831), (420, 27855), (422, 27879), (423, 27906), (425, 27924),

Gene: BaconJack_40 Start: 29834, Stop: 31405, Start Num: 72
Candidate Starts for BaconJack_40:
(Start: 66 @29822 has 28 MA's), (Start: 70 @29828 has 3 MA's), (Start: 72 @29834 has 9 MA's), (Start: 73 @29837 has 10 MA's), (Start: 83 @29852 has 1 MA's), (Start: 111 @29903 has 170 MA's), (147, 30122), (149, 30128), (153, 30149), (175, 30278), (177, 30287), (178, 30296), (192, 30404), (197, 30425), (200, 30437), (203, 30461), (211, 30503), (234, 30632), (246, 30692), (258, 30749), (264, 30776), (268, 30803), (270, 30806), (273, 30818), (293, 30887), (303, 30926), (313, 30959), (326, 31040), (330, 31055), (351, 31160), (378, 31274), (409, 31373), (417, 31397),

Gene: BananenDer11_38 Start: 31456, Stop: 32826, Start Num: 121
Candidate Starts for BananenDer11_38:
(14, 31129), (27, 31192), (40, 31246), (78, 31333), (Start: 100 @31381 has 7 MA's), (Start: 121 @31456 has 3 MA's), (122, 31468), (142, 31579), (143, 31582), (148, 31615), (153, 31639), (164, 31702), (177, 31777), (221, 32053), (274, 32275), (277, 32287), (296, 32335), (300, 32365), (306, 32386), (313, 32410), (344, 32563), (362, 32644), (365, 32650), (369, 32662), (377, 32698), (379, 32704), (383, 32725), (388, 32740), (390, 32746), (407, 32794), (412, 32803),

Gene: Barnstormer_59 Start: 38306, Stop: 39811, Start Num: 107

Candidate Starts for Barnstormer_59:
(20, 38096), (Start: 107 @38306 has 6 MA's), (142, 38498), (172, 38669), (206, 38861), (215, 38915), (231, 38963), (251, 39065), (312, 39302), (343, 39452), (368, 39551), (426, 39806),

Gene: Barriga_37 Start: 29037, Stop: 30524, Start Num: 115
Candidate Starts for Barriga_37:
(Start: 86 @28977 has 3 MA's), (Start: 111 @29022 has 170 MA's), (Start: 115 @29037 has 10 MA's), (147, 29241), (149, 29247), (175, 29397), (177, 29406), (178, 29415), (192, 29523), (197, 29544), (200, 29556), (203, 29580), (211, 29622), (234, 29751), (246, 29811), (258, 29868), (264, 29895), (268, 29922), (270, 29925), (273, 29937), (293, 30006), (301, 30039), (303, 30045), (313, 30078), (326, 30159), (330, 30174), (351, 30279), (378, 30393), (409, 30492), (417, 30516),

Gene: BarrowTuph_36 Start: 29337, Stop: 30932, Start Num: 66
Candidate Starts for BarrowTuph_36:
(Start: 66 @29337 has 28 MA's), (Start: 70 @29343 has 3 MA's), (Start: 72 @29349 has 9 MA's), (Start: 73 @29352 has 10 MA's), (Start: 83 @29367 has 1 MA's), (Start: 111 @29418 has 170 MA's), (Start: 115 @29433 has 10 MA's), (147, 29637), (149, 29643), (153, 29664), (173, 29781), (175, 29793), (177, 29802), (178, 29811), (189, 29907), (192, 29919), (197, 29940), (200, 29952), (203, 29976), (234, 30147), (246, 30207), (258, 30264), (264, 30291), (268, 30318), (273, 30333), (303, 30441), (326, 30555), (330, 30570), (378, 30789),

Gene: BartholomewSD_56 Start: 37761, Stop: 39182, Start Num: 95
Candidate Starts for BartholomewSD_56:
(57, 37680), (Start: 62 @37689 has 1 MA's), (Start: 67 @37701 has 3 MA's), (Start: 90 @37752 has 5 MA's), (Start: 95 @37761 has 10 MA's), (142, 37971), (149, 37998), (154, 38028), (175, 38136), (193, 38265), (205, 38313), (229, 38424), (231, 38433), (236, 38460), (242, 38481), (243, 38484), (249, 38523), (252, 38538), (292, 38682), (312, 38766), (338, 38883), (344, 38919), (355, 38973), (356, 38976), (367, 39009), (383, 39075), (403, 39132), (419, 39171),

Gene: BeardedLady_49 Start: 34453, Stop: 35775, Start Num: 113
Candidate Starts for BeardedLady_49:
(Start: 110 @34441 has 5 MA's), (Start: 113 @34453 has 16 MA's), (117, 34468), (127, 34555), (Start: 129 @34558 has 1 MA's), (135, 34582), (145, 34633), (152, 34675), (153, 34684), (155, 34696), (171, 34786), (172, 34795), (177, 34819), (193, 34939), (198, 34945), (219, 35035), (229, 35050), (231, 35059), (239, 35092), (262, 35203), (263, 35209), (274, 35257), (279, 35272), (286, 35287), (306, 35347), (313, 35371), (328, 35452), (336, 35482), (341, 35512), (351, 35560), (372, 35638), (383, 35686), (385, 35695), (394, 35722), (410, 35761),

Gene: Beatrix_37 Start: 30878, Stop: 32380, Start Num: 111
Candidate Starts for Beatrix_37:
(Start: 66 @30797 has 28 MA's), (Start: 70 @30803 has 3 MA's), (Start: 72 @30809 has 9 MA's), (Start: 73 @30812 has 10 MA's), (Start: 83 @30827 has 1 MA's), (Start: 111 @30878 has 170 MA's), (Start: 115 @30893 has 10 MA's), (128, 30986), (147, 31097), (149, 31103), (159, 31157), (175, 31253), (177, 31262), (178, 31271), (192, 31379), (197, 31400), (203, 31436), (234, 31607), (246, 31667), (258, 31724), (264, 31751), (268, 31778), (270, 31781), (273, 31793), (303, 31901), (313, 31934), (326, 32015), (330, 32030), (378, 32249), (409, 32348), (417, 32372),

Gene: BeesKnees_38 Start: 29463, Stop: 30965, Start Num: 111
Candidate Starts for BeesKnees_38:
(Start: 66 @29382 has 28 MA's), (Start: 70 @29388 has 3 MA's), (Start: 72 @29394 has 9 MA's), (Start: 73 @29397 has 10 MA's), (Start: 83 @29412 has 1 MA's), (Start: 111 @29463 has 170 MA's), (128, 29571), (147, 29682), (149, 29688), (153, 29709), (175, 29838), (177, 29847), (178, 29856), (192, 29964), (197, 29985), (200, 29997), (203, 30021), (211, 30063), (234, 30192), (246, 30252),

(258, 30309), (264, 30336), (268, 30363), (273, 30378), (293, 30447), (303, 30486), (313, 30519), (330, 30615), (342, 30678), (351, 30720), (353, 30735), (378, 30834), (409, 30933), (417, 30957),

Gene: Begonia_38 Start: 31872, Stop: 33263, Start Num: 111
Candidate Starts for Begonia_38:
(69, 31794), (85, 31824), (91, 31842), (Start: 111 @31872 has 170 MA's), (132, 31992), (147, 32085), (179, 32262), (180, 32268), (183, 32295), (188, 32349), (211, 32466), (228, 32544), (266, 32721), (274, 32748), (284, 32763), (302, 32829), (303, 32832), (309, 32853), (310, 32856), (313, 32865), (314, 32868), (329, 32946), (332, 32955), (341, 33003), (356, 33072), (358, 33081), (364, 33099), (377, 33144), (379, 33150), (383, 33171), (401, 33225),

Gene: Bethlehem_37 Start: 30167, Stop: 31669, Start Num: 111
Candidate Starts for Bethlehem_37:
(Start: 66 @30086 has 28 MA's), (Start: 70 @30092 has 3 MA's), (Start: 72 @30098 has 9 MA's), (Start: 73 @30101 has 10 MA's), (Start: 83 @30116 has 1 MA's), (Start: 111 @30167 has 170 MA's), (Start: 115 @30182 has 10 MA's), (141, 30347), (147, 30386), (149, 30392), (153, 30413), (175, 30542), (177, 30551), (178, 30560), (179, 30566), (189, 30656), (192, 30668), (200, 30701), (203, 30725), (211, 30767), (234, 30896), (246, 30956), (258, 31013), (268, 31067), (273, 31082), (303, 31190), (313, 31223), (326, 31304), (330, 31319), (351, 31424), (378, 31538), (409, 31637), (417, 31661),

Gene: Bexan_35 Start: 30373, Stop: 31875, Start Num: 111
Candidate Starts for Bexan_35:
(Start: 66 @30292 has 28 MA's), (Start: 70 @30298 has 3 MA's), (Start: 72 @30304 has 9 MA's), (Start: 73 @30307 has 10 MA's), (Start: 83 @30322 has 1 MA's), (Start: 111 @30373 has 170 MA's), (149, 30598), (173, 30736), (175, 30748), (177, 30757), (178, 30766), (192, 30874), (197, 30895), (200, 30907), (203, 30931), (211, 30973), (232, 31087), (234, 31102), (246, 31162), (258, 31219), (264, 31246), (268, 31273), (270, 31276), (273, 31288), (303, 31396), (313, 31429), (326, 31510), (330, 31525), (378, 31744), (409, 31843), (417, 31867),

Gene: Big3_37 Start: 30045, Stop: 31547, Start Num: 111
Candidate Starts for Big3_37:
(Start: 66 @29964 has 28 MA's), (Start: 70 @29970 has 3 MA's), (Start: 72 @29976 has 9 MA's), (Start: 73 @29979 has 10 MA's), (Start: 83 @29994 has 1 MA's), (Start: 111 @30045 has 170 MA's), (117, 30069), (149, 30270), (159, 30324), (175, 30420), (177, 30429), (178, 30438), (192, 30546), (197, 30567), (200, 30579), (203, 30603), (211, 30645), (234, 30774), (246, 30834), (258, 30891), (264, 30918), (268, 30945), (270, 30948), (273, 30960), (293, 31029), (303, 31068), (313, 31101), (326, 31182), (378, 31416), (409, 31515), (417, 31539),

Gene: BigMau_39 Start: 29582, Stop: 31084, Start Num: 111
Candidate Starts for BigMau_39:
(Start: 66 @29501 has 28 MA's), (Start: 70 @29507 has 3 MA's), (Start: 72 @29513 has 9 MA's), (Start: 73 @29516 has 10 MA's), (Start: 83 @29531 has 1 MA's), (Start: 111 @29582 has 170 MA's), (Start: 113 @29591 has 16 MA's), (Start: 115 @29597 has 10 MA's), (117, 29606), (118, 29615), (149, 29807), (152, 29819), (153, 29828), (159, 29861), (175, 29957), (177, 29966), (178, 29975), (192, 30083), (197, 30104), (200, 30116), (203, 30140), (211, 30182), (234, 30311), (246, 30371), (258, 30428), (264, 30455), (268, 30482), (270, 30485), (273, 30497), (293, 30566), (301, 30599), (303, 30605), (313, 30638), (326, 30719), (330, 30734), (351, 30839), (378, 30953), (409, 31052), (417, 31076),

Gene: Bigchungi_37 Start: 29171, Stop: 30658, Start Num: 115
Candidate Starts for Bigchungi_37:

(Start: 86 @29111 has 3 MA's), (Start: 111 @29156 has 170 MA's), (Start: 115 @29171 has 10 MA's), (137, 29303), (147, 29375), (149, 29381), (175, 29531), (177, 29540), (178, 29549), (192, 29657), (197, 29678), (200, 29690), (203, 29714), (211, 29756), (234, 29885), (246, 29945), (258, 30002), (264, 30029), (266, 30044), (267, 30047), (268, 30056), (270, 30059), (273, 30071), (303, 30179), (313, 30212), (318, 30251), (326, 30293), (330, 30308), (378, 30527), (409, 30626), (417, 30650),

Gene: Bigfoot_35 Start: 28813, Stop: 30315, Start Num: 111
Candidate Starts for Bigfoot_35:
(52, 28708), (Start: 58 @28720 has 1 MA's), (Start: 66 @28732 has 28 MA's), (Start: 70 @28738 has 3 MA's), (Start: 72 @28744 has 9 MA's), (Start: 73 @28747 has 10 MA's), (Start: 83 @28762 has 1 MA's), (Start: 111 @28813 has 170 MA's), (147, 29032), (149, 29038), (153, 29059), (175, 29188), (177, 29197), (178, 29206), (192, 29314), (197, 29335), (200, 29347), (203, 29371), (211, 29413), (234, 29542), (246, 29602), (258, 29659), (264, 29686), (268, 29713), (270, 29716), (273, 29728), (293, 29797), (303, 29836), (313, 29869), (326, 29950), (330, 29965), (351, 30070), (378, 30184), (409, 30283), (417, 30307),

Gene: BillKnuckles_38 Start: 30267, Stop: 31769, Start Num: 111
Candidate Starts for BillKnuckles_38:
(Start: 66 @30186 has 28 MA's), (Start: 70 @30192 has 3 MA's), (Start: 72 @30198 has 9 MA's), (Start: 73 @30201 has 10 MA's), (Start: 83 @30216 has 1 MA's), (Start: 111 @30267 has 170 MA's), (147, 30486), (149, 30492), (153, 30513), (175, 30642), (177, 30651), (178, 30660), (192, 30768), (197, 30789), (200, 30801), (203, 30825), (211, 30867), (234, 30996), (246, 31056), (258, 31113), (264, 31140), (268, 31167), (270, 31170), (273, 31182), (303, 31290), (313, 31323), (326, 31404), (330, 31419), (351, 31524), (378, 31638), (409, 31737), (417, 31761),

Gene: Bircsak_37 Start: 29814, Stop: 31382, Start Num: 72
Candidate Starts for Bircsak_37:
(Start: 66 @29802 has 28 MA's), (Start: 70 @29808 has 3 MA's), (Start: 72 @29814 has 9 MA's), (Start: 73 @29817 has 10 MA's), (Start: 83 @29832 has 1 MA's), (Start: 111 @29883 has 170 MA's), (Start: 115 @29898 has 10 MA's), (117, 29907), (147, 30102), (149, 30108), (153, 30129), (175, 30258), (177, 30267), (178, 30276), (192, 30384), (197, 30405), (200, 30417), (203, 30441), (234, 30612), (246, 30672), (258, 30729), (264, 30756), (268, 30783), (270, 30786), (273, 30798), (301, 30897), (313, 30936), (314, 30939), (326, 31017), (330, 31032), (378, 31251), (409, 31350), (417, 31374),

Gene: Blackflame_37 Start: 29053, Stop: 30567, Start Num: 111
Candidate Starts for Blackflame_37:
(46, 28939), (Start: 66 @28972 has 28 MA's), (Start: 70 @28978 has 3 MA's), (Start: 72 @28984 has 9 MA's), (Start: 73 @28987 has 10 MA's), (Start: 83 @29002 has 1 MA's), (Start: 111 @29053 has 170 MA's), (147, 29272), (149, 29278), (153, 29299), (175, 29428), (177, 29437), (178, 29446), (192, 29554), (197, 29575), (200, 29587), (203, 29611), (211, 29653), (234, 29782), (246, 29842), (258, 29899), (264, 29926), (268, 29953), (273, 29968), (303, 30076), (326, 30190), (330, 30205), (351, 30310), (378, 30424),

Gene: Blesser_37 Start: 29938, Stop: 31440, Start Num: 111
Candidate Starts for Blesser_37:
(Start: 60 @29848 has 1 MA's), (Start: 86 @29893 has 3 MA's), (Start: 111 @29938 has 170 MA's), (147, 30157), (149, 30163), (153, 30184), (175, 30313), (177, 30322), (178, 30331), (192, 30439), (197, 30460), (200, 30472), (203, 30496), (211, 30538), (234, 30667), (246, 30727), (258, 30784), (264, 30811), (268, 30838), (270, 30841), (273, 30853), (301, 30955), (303, 30961), (313, 30994), (326, 31075), (330, 31090), (351, 31195), (353, 31210), (378, 31309), (417, 31432),

Gene: Blino_41 Start: 33377, Stop: 34768, Start Num: 111

Candidate Starts for Blino_41:
(91, 33347), (Start: 104 @33368 has 1 MA's), (Start: 111 @33377 has 170 MA's), (132, 33497), (162, 33674), (179, 33767), (180, 33773), (183, 33800), (188, 33854), (211, 33971), (228, 34049), (247, 34148), (251, 34166), (253, 34175), (266, 34226), (274, 34253), (284, 34268), (302, 34334), (303, 34337), (309, 34358), (313, 34370), (314, 34373), (329, 34451), (341, 34508), (358, 34586), (364, 34604), (377, 34649), (379, 34655), (383, 34676), (401, 34730),

Gene: Blue_37 Start: 29798, Stop: 31393, Start Num: 66
Candidate Starts for Blue_37:
(Start: 66 @29798 has 28 MA's), (Start: 70 @29804 has 3 MA's), (Start: 72 @29810 has 9 MA's), (Start: 73 @29813 has 10 MA's), (Start: 83 @29828 has 1 MA's), (Start: 111 @29879 has 170 MA's), (Start: 115 @29894 has 10 MA's), (117, 29903), (147, 30098), (149, 30104), (175, 30254), (177, 30263), (178, 30272), (192, 30380), (197, 30401), (200, 30413), (203, 30437), (211, 30479), (234, 30608), (246, 30668), (258, 30725), (264, 30752), (268, 30779), (270, 30782), (273, 30794), (303, 30902), (313, 30935), (326, 31016), (330, 31031), (378, 31250),

Gene: Blueberry_37 Start: 30375, Stop: 31766, Start Num: 111
Candidate Starts for Blueberry_37:
(Start: 42 @30240 has 1 MA's), (Start: 97 @30354 has 1 MA's), (Start: 111 @30375 has 170 MA's), (132, 30495), (162, 30672), (183, 30798), (188, 30852), (211, 30969), (228, 31047), (242, 31110), (247, 31146), (266, 31224), (274, 31251), (284, 31266), (302, 31332), (303, 31335), (310, 31359), (313, 31368), (314, 31371), (329, 31449), (341, 31506), (349, 31542), (356, 31575), (358, 31584), (364, 31602), (379, 31653),

Gene: Bob3_36 Start: 28857, Stop: 30434, Start Num: 70
Candidate Starts for Bob3_36:
(Start: 66 @28851 has 28 MA's), (Start: 70 @28857 has 3 MA's), (Start: 72 @28863 has 9 MA's), (Start: 73 @28866 has 10 MA's), (Start: 83 @28881 has 1 MA's), (Start: 111 @28932 has 170 MA's), (149, 29157), (152, 29169), (153, 29178), (159, 29211), (173, 29295), (175, 29307), (177, 29316), (178, 29325), (189, 29421), (192, 29433), (200, 29466), (234, 29661), (246, 29721), (258, 29778), (268, 29832), (273, 29847), (301, 29949), (303, 29955), (313, 29988), (314, 29991), (323, 30054), (330, 30084), (351, 30189), (378, 30303), (409, 30402), (417, 30426),

Gene: Bones_37 Start: 29287, Stop: 30786, Start Num: 111
Candidate Starts for Bones_37:
(Start: 86 @29242 has 3 MA's), (Start: 111 @29287 has 170 MA's), (Start: 115 @29302 has 10 MA's), (117, 29311), (137, 29434), (147, 29506), (149, 29512), (159, 29566), (175, 29662), (177, 29671), (178, 29680), (192, 29788), (197, 29809), (200, 29821), (203, 29845), (211, 29887), (234, 30016), (246, 30076), (258, 30133), (264, 30160), (268, 30187), (270, 30190), (273, 30202), (301, 30301), (313, 30340), (326, 30421), (330, 30436), (351, 30541), (378, 30655), (381, 30667), (409, 30754), (417, 30778),

Gene: Bongo_130 Start: 69256, Stop: 67796, Start Num: 80
Candidate Starts for Bongo_130:
(Start: 61 @69298 has 1 MA's), (76, 69265), (Start: 80 @69256 has 21 MA's), (117, 69184), (130, 69103), (139, 69061), (142, 69037), (155, 68965), (172, 68848), (182, 68785), (196, 68701), (199, 68689), (206, 68647), (210, 68629), (246, 68467), (250, 68446), (263, 68395), (271, 68368), (279, 68341), (314, 68221), (344, 68071), (363, 67993), (375, 67948), (391, 67891),

Gene: Bovely_49 Start: 34070, Stop: 35404, Start Num: 110
Candidate Starts for Bovely_49:
(Start: 110 @34070 has 5 MA's), (Start: 113 @34082 has 16 MA's), (117, 34097), (127, 34184), (Start: 129 @34187 has 1 MA's), (135, 34211), (142, 34253), (145, 34262), (152, 34304), (153, 34313), (155,

34325), (171, 34415), (172, 34424), (177, 34448), (193, 34568), (198, 34574), (219, 34664), (229, 34679), (231, 34688), (239, 34721), (262, 34832), (263, 34838), (274, 34886), (279, 34901), (286, 34916), (306, 34976), (308, 34985), (313, 35000), (328, 35081), (336, 35111), (341, 35141), (351, 35189), (372, 35267), (383, 35315), (385, 35324), (394, 35351), (410, 35390),

Gene: Bowden_53 Start: 38547, Stop: 39977, Start Num: 90
Candidate Starts for Bowden_53:
(57, 38475), (Start: 62 @38484 has 1 MA's), (Start: 67 @38496 has 3 MA's), (Start: 90 @38547 has 5 MA's), (Start: 95 @38556 has 10 MA's), (149, 38793), (175, 38931), (193, 39060), (205, 39108), (229, 39219), (231, 39228), (236, 39255), (242, 39276), (243, 39279), (249, 39318), (252, 39333), (292, 39477), (304, 39534), (312, 39561), (338, 39678), (344, 39714), (355, 39768), (356, 39771), (367, 39804), (383, 39870), (403, 39927), (419, 39966),

Gene: Bricole_133 Start: 69404, Stop: 67944, Start Num: 80
Candidate Starts for Bricole_133:
(Start: 61 @69446 has 1 MA's), (76, 69413), (Start: 80 @69404 has 21 MA's), (117, 69332), (130, 69251), (139, 69209), (142, 69185), (155, 69113), (172, 68996), (182, 68933), (196, 68849), (199, 68837), (206, 68795), (210, 68777), (246, 68615), (250, 68594), (263, 68543), (271, 68516), (279, 68489), (314, 68369), (344, 68219), (363, 68141), (375, 68096), (391, 68039),

Gene: Briton15_39 Start: 29603, Stop: 31180, Start Num: 70
Candidate Starts for Briton15_39:
(Start: 66 @29597 has 28 MA's), (Start: 70 @29603 has 3 MA's), (Start: 72 @29609 has 9 MA's), (Start: 73 @29612 has 10 MA's), (Start: 83 @29627 has 1 MA's), (Start: 111 @29678 has 170 MA's), (132, 29795), (147, 29897), (149, 29903), (175, 30053), (177, 30062), (178, 30071), (192, 30179), (197, 30200), (200, 30212), (203, 30236), (211, 30278), (234, 30407), (246, 30467), (258, 30524), (264, 30551), (268, 30578), (270, 30581), (273, 30593), (303, 30701), (313, 30734), (326, 30815), (330, 30830), (378, 31049), (409, 31148), (417, 31172),

Gene: Bruns_36 Start: 29373, Stop: 30860, Start Num: 115
Candidate Starts for Bruns_36:
(Start: 66 @29277 has 28 MA's), (Start: 70 @29283 has 3 MA's), (Start: 72 @29289 has 9 MA's), (Start: 73 @29292 has 10 MA's), (Start: 83 @29307 has 1 MA's), (Start: 111 @29358 has 170 MA's), (Start: 115 @29373 has 10 MA's), (147, 29577), (149, 29583), (152, 29595), (153, 29604), (173, 29721), (175, 29733), (177, 29742), (178, 29751), (192, 29859), (197, 29880), (200, 29892), (203, 29916), (234, 30087), (246, 30147), (258, 30204), (264, 30231), (268, 30258), (273, 30273), (293, 30342), (303, 30381), (313, 30414), (314, 30417), (326, 30495), (330, 30510), (351, 30615), (378, 30729), (409, 30828), (417, 30852),

Gene: BryanRecycles_50 Start: 34372, Stop: 35694, Start Num: 113
Candidate Starts for BryanRecycles_50:
(Start: 110 @34360 has 5 MA's), (Start: 113 @34372 has 16 MA's), (117, 34387), (127, 34474), (Start: 129 @34477 has 1 MA's), (135, 34501), (145, 34552), (152, 34594), (153, 34603), (155, 34615), (171, 34705), (172, 34714), (177, 34738), (193, 34858), (198, 34864), (219, 34954), (229, 34969), (231, 34978), (239, 35011), (262, 35122), (263, 35128), (274, 35176), (279, 35191), (286, 35206), (306, 35266), (308, 35275), (313, 35290), (327, 35368), (336, 35401), (341, 35431), (351, 35479), (372, 35557), (383, 35605), (385, 35614), (394, 35641), (410, 35680),

Gene: Burton_38 Start: 29535, Stop: 31049, Start Num: 111
Candidate Starts for Burton_38:
(Start: 66 @29454 has 28 MA's), (Start: 70 @29460 has 3 MA's), (Start: 72 @29466 has 9 MA's), (Start: 73 @29469 has 10 MA's), (Start: 83 @29484 has 1 MA's), (Start: 111 @29535 has 170 MA's), (Start: 113 @29544 has 16 MA's), (Start: 115 @29550 has 10 MA's), (117, 29559), (118, 29568), (132,

29652), (134, 29670), (147, 29754), (149, 29760), (152, 29772), (153, 29781), (173, 29898), (175, 29910), (177, 29919), (178, 29928), (189, 30024), (192, 30036), (200, 30069), (234, 30264), (246, 30324), (258, 30381), (268, 30435), (270, 30438), (273, 30450), (301, 30552), (303, 30558), (313, 30591), (326, 30672), (330, 30687), (351, 30792), (378, 30906),

Gene: Bxb1_35 Start: 29491, Stop: 30993, Start Num: 111
Candidate Starts for Bxb1_35:
(Start: 66 @29410 has 28 MA's), (Start: 70 @29416 has 3 MA's), (Start: 72 @29422 has 9 MA's), (Start: 73 @29425 has 10 MA's), (Start: 83 @29440 has 1 MA's), (Start: 111 @29491 has 170 MA's), (147, 29710), (149, 29716), (153, 29737), (175, 29866), (177, 29875), (178, 29884), (192, 29992), (197, 30013), (200, 30025), (203, 30049), (211, 30091), (232, 30205), (234, 30220), (246, 30280), (258, 30337), (264, 30364), (268, 30391), (270, 30394), (273, 30406), (293, 30475), (301, 30508), (303, 30514), (313, 30547), (326, 30628), (330, 30643), (378, 30862), (409, 30961), (417, 30985),

Gene: CactusRose_35 Start: 28926, Stop: 30428, Start Num: 111
Candidate Starts for CactusRose_35:
(17, 28689), (18, 28692), (21, 28707), (35, 28770), (Start: 86 @28881 has 3 MA's), (Start: 111 @28926 has 170 MA's), (Start: 115 @28941 has 10 MA's), (128, 29034), (147, 29145), (149, 29151), (153, 29172), (173, 29289), (175, 29301), (177, 29310), (178, 29319), (189, 29415), (192, 29427), (200, 29460), (206, 29496), (234, 29655), (246, 29715), (258, 29772), (268, 29826), (270, 29829), (273, 29841), (303, 29949), (313, 29982), (326, 30063), (330, 30078), (351, 30183), (378, 30297), (409, 30396), (417, 30420),

Gene: Caelum_54 Start: 37075, Stop: 38505, Start Num: 90
Candidate Starts for Caelum_54:
(57, 37003), (Start: 67 @37024 has 3 MA's), (Start: 90 @37075 has 5 MA's), (Start: 95 @37084 has 10 MA's), (142, 37294), (149, 37321), (158, 37372), (161, 37387), (162, 37393), (175, 37459), (193, 37588), (199, 37597), (205, 37636), (229, 37747), (231, 37756), (243, 37807), (252, 37861), (265, 37915), (292, 38005), (312, 38089), (338, 38206), (344, 38242), (356, 38299), (367, 38332), (370, 38341), (383, 38398), (403, 38455),

Gene: Caliburn_48 Start: 34183, Stop: 35505, Start Num: 113
Candidate Starts for Caliburn_48:
(Start: 110 @34171 has 5 MA's), (Start: 113 @34183 has 16 MA's), (117, 34198), (127, 34285), (Start: 129 @34288 has 1 MA's), (135, 34312), (145, 34363), (152, 34405), (153, 34414), (155, 34426), (171, 34516), (172, 34525), (177, 34549), (193, 34669), (198, 34675), (219, 34765), (229, 34780), (231, 34789), (239, 34822), (262, 34933), (263, 34939), (274, 34987), (279, 35002), (286, 35017), (306, 35077), (313, 35101), (328, 35182), (336, 35212), (341, 35242), (351, 35290), (372, 35368), (383, 35416), (385, 35425), (394, 35452), (410, 35491),

Gene: CarolAnn_40 Start: 33367, Stop: 34767, Start Num: 104
Candidate Starts for CarolAnn_40:
(91, 33346), (Start: 104 @33367 has 1 MA's), (Start: 111 @33376 has 170 MA's), (132, 33496), (162, 33673), (179, 33766), (180, 33772), (183, 33799), (188, 33853), (211, 33970), (228, 34048), (247, 34147), (251, 34165), (253, 34174), (266, 34225), (274, 34252), (284, 34267), (302, 34333), (303, 34336), (309, 34357), (313, 34369), (314, 34372), (329, 34450), (341, 34507), (358, 34585), (364, 34603), (377, 34648), (379, 34654), (383, 34675), (401, 34729),

Gene: Caron_62 Start: 38824, Stop: 40329, Start Num: 107
Candidate Starts for Caron_62:
(1, 38068), (2, 38149), (3, 38335), (8, 38500), (85, 38776), (Start: 107 @38824 has 6 MA's), (142, 39016), (172, 39187), (215, 39433), (225, 39466), (231, 39481), (251, 39583), (287, 39715), (312, 39820), (426, 40324),

Gene: CartmannCramer_37 Start: 31594, Stop: 33081, Start Num: 115
Candidate Starts for CartmannCramer_37:
(Start: 66 @31498 has 28 MA's), (Start: 70 @31504 has 3 MA's), (Start: 72 @31510 has 9 MA's), (Start: 73 @31513 has 10 MA's), (Start: 83 @31528 has 1 MA's), (Start: 111 @31579 has 170 MA's), (Start: 115 @31594 has 10 MA's), (147, 31798), (149, 31804), (152, 31816), (153, 31825), (175, 31954), (177, 31963), (178, 31972), (192, 32080), (197, 32101), (200, 32113), (203, 32137), (211, 32179), (234, 32308), (240, 32326), (246, 32368), (258, 32425), (264, 32452), (268, 32479), (270, 32482), (273, 32494), (293, 32563), (301, 32596), (303, 32602), (313, 32635), (326, 32716), (330, 32731), (351, 32836), (378, 32950), (409, 33049), (417, 33073),

Gene: CatBus_39 Start: 30922, Stop: 32409, Start Num: 115
Candidate Starts for CatBus_39:
(Start: 66 @30826 has 28 MA's), (Start: 70 @30832 has 3 MA's), (Start: 72 @30838 has 9 MA's), (Start: 73 @30841 has 10 MA's), (Start: 83 @30856 has 1 MA's), (Start: 111 @30907 has 170 MA's), (Start: 115 @30922 has 10 MA's), (147, 31126), (149, 31132), (153, 31153), (173, 31270), (175, 31282), (177, 31291), (178, 31300), (189, 31396), (192, 31408), (197, 31429), (200, 31441), (203, 31465), (234, 31636), (246, 31696), (258, 31753), (264, 31780), (268, 31807), (273, 31822), (293, 31891), (303, 31930), (313, 31963), (326, 32044), (330, 32059), (351, 32164), (378, 32278), (409, 32377), (417, 32401),

Gene: Celery_54 Start: 36669, Stop: 38081, Start Num: 105
Candidate Starts for Celery_54:
(Start: 105 @36669 has 5 MA's), (117, 36699), (Start: 125 @36780 has 1 MA's), (Start: 129 @36789 has 1 MA's), (142, 36855), (145, 36864), (152, 36906), (153, 36915), (155, 36927), (160, 36954), (168, 36987), (172, 37026), (173, 37029), (177, 37050), (198, 37176), (210, 37239), (229, 37350), (233, 37365), (243, 37410), (262, 37503), (263, 37509), (266, 37530), (286, 37587), (308, 37656), (313, 37671), (324, 37734), (339, 37797), (341, 37812), (348, 37845), (351, 37860), (368, 37923), (383, 37986),

Gene: Chanagan_36 Start: 28977, Stop: 30479, Start Num: 111
Candidate Starts for Chanagan_36:
(Start: 58 @28887 has 1 MA's), (Start: 86 @28932 has 3 MA's), (Start: 111 @28977 has 170 MA's), (Start: 115 @28992 has 10 MA's), (137, 29124), (147, 29196), (149, 29202), (175, 29352), (177, 29361), (178, 29370), (192, 29478), (197, 29499), (200, 29511), (203, 29535), (211, 29577), (234, 29706), (246, 29766), (258, 29823), (264, 29850), (268, 29877), (273, 29892), (293, 29961), (301, 29994), (303, 30000), (313, 30033), (326, 30114), (330, 30129), (351, 30234), (378, 30348), (409, 30447), (417, 30471),

Gene: CheeseSpider_44 Start: 30163, Stop: 31554, Start Num: 111
Candidate Starts for CheeseSpider_44:
(Start: 111 @30163 has 170 MA's), (119, 30205), (Start: 121 @30220 has 3 MA's), (147, 30376), (162, 30460), (182, 30577), (183, 30586), (188, 30640), (206, 30730), (211, 30757), (228, 30835), (242, 30898), (247, 30934), (253, 30961), (266, 31012), (274, 31039), (284, 31054), (309, 31144), (313, 31156), (314, 31159), (341, 31294), (356, 31363), (358, 31372), (379, 31441), (401, 31516),

Gene: Ciao_37 Start: 29363, Stop: 30862, Start Num: 115
Candidate Starts for Ciao_37:
(Start: 66 @29267 has 28 MA's), (Start: 70 @29273 has 3 MA's), (Start: 72 @29279 has 9 MA's), (Start: 73 @29282 has 10 MA's), (Start: 83 @29297 has 1 MA's), (Start: 111 @29348 has 170 MA's), (Start: 115 @29363 has 10 MA's), (147, 29567), (149, 29573), (153, 29594), (173, 29711), (175, 29723), (177, 29732), (178, 29741), (192, 29849), (197, 29870), (200, 29882), (203, 29906), (211, 29948), (234, 30077), (246, 30137), (258, 30194), (264, 30221), (268, 30248), (270, 30251), (273,

30263), (293, 30332), (301, 30365), (303, 30371), (313, 30404), (326, 30485), (330, 30500), (351, 30605), (378, 30719),

Gene: Collard_38 Start: 31381, Stop: 32826, Start Num: 100
Candidate Starts for Collard_38:
(14, 31129), (27, 31192), (40, 31246), (78, 31333), (Start: 100 @31381 has 7 MA's), (Start: 121 @31456 has 3 MA's), (122, 31468), (142, 31579), (143, 31582), (148, 31615), (153, 31639), (164, 31702), (177, 31777), (221, 32053), (274, 32275), (277, 32287), (296, 32335), (300, 32365), (306, 32386), (313, 32410), (344, 32563), (362, 32644), (365, 32650), (369, 32662), (377, 32698), (379, 32704), (383, 32725), (388, 32740), (390, 32746), (407, 32794), (412, 32803),

Gene: ConceptII_39 Start: 30495, Stop: 32009, Start Num: 111
Candidate Starts for ConceptII_39:
(Start: 66 @30414 has 28 MA's), (Start: 70 @30420 has 3 MA's), (Start: 72 @30426 has 9 MA's), (Start: 73 @30429 has 10 MA's), (Start: 83 @30444 has 1 MA's), (Start: 111 @30495 has 170 MA's), (149, 30720), (175, 30870), (177, 30879), (178, 30888), (192, 30996), (197, 31017), (200, 31029), (203, 31053), (211, 31095), (234, 31224), (246, 31284), (258, 31341), (264, 31368), (268, 31395), (273, 31410), (301, 31512), (303, 31518), (313, 31551), (314, 31554), (326, 31632), (330, 31647), (351, 31752), (378, 31866),

Gene: Corvo_38 Start: 30261, Stop: 31844, Start Num: 66
Candidate Starts for Corvo_38:
(Start: 66 @30261 has 28 MA's), (Start: 70 @30267 has 3 MA's), (Start: 72 @30273 has 9 MA's), (Start: 73 @30276 has 10 MA's), (Start: 83 @30291 has 1 MA's), (Start: 111 @30342 has 170 MA's), (Start: 115 @30357 has 10 MA's), (117, 30366), (147, 30561), (149, 30567), (152, 30579), (153, 30588), (175, 30717), (177, 30726), (178, 30735), (192, 30843), (197, 30864), (200, 30876), (203, 30900), (234, 31071), (246, 31131), (258, 31188), (268, 31242), (270, 31245), (273, 31257), (303, 31365), (313, 31398), (318, 31437), (326, 31479), (330, 31494), (378, 31713), (409, 31812), (417, 31836),

Gene: Crispicous1_36 Start: 28941, Stop: 30443, Start Num: 111
Candidate Starts for Crispicous1_36:
(Start: 66 @28860 has 28 MA's), (Start: 70 @28866 has 3 MA's), (Start: 72 @28872 has 9 MA's), (Start: 73 @28875 has 10 MA's), (Start: 83 @28890 has 1 MA's), (Start: 111 @28941 has 170 MA's), (128, 29049), (147, 29160), (149, 29166), (159, 29220), (173, 29304), (175, 29316), (177, 29325), (178, 29334), (192, 29442), (197, 29463), (200, 29475), (203, 29499), (211, 29541), (234, 29670), (246, 29730), (258, 29787), (264, 29814), (268, 29841), (270, 29844), (273, 29856), (293, 29925), (301, 29958), (303, 29964), (313, 29997), (326, 30078), (330, 30093), (378, 30312), (409, 30411), (417, 30435),

Gene: Cueylyss_37 Start: 29520, Stop: 31019, Start Num: 111
Candidate Starts for Cueylyss_37:
(Start: 86 @29475 has 3 MA's), (Start: 111 @29520 has 170 MA's), (Start: 115 @29535 has 10 MA's), (117, 29544), (137, 29667), (147, 29739), (149, 29745), (159, 29799), (175, 29895), (177, 29904), (178, 29913), (192, 30021), (197, 30042), (200, 30054), (203, 30078), (211, 30120), (234, 30249), (246, 30309), (258, 30366), (264, 30393), (268, 30420), (270, 30423), (273, 30435), (301, 30534), (313, 30573), (326, 30654), (330, 30669), (351, 30774), (378, 30888), (409, 30987), (417, 31011),

Gene: Curiosium_43 Start: 31007, Stop: 32419, Start Num: 103
Candidate Starts for Curiosium_43:
(Start: 98 @30998 has 1 MA's), (Start: 103 @31007 has 1 MA's), (Start: 113 @31028 has 16 MA's), (123, 31100), (135, 31157), (142, 31199), (143, 31202), (147, 31232), (149, 31238), (162, 31310), (182, 31433), (193, 31511), (202, 31541), (211, 31589), (229, 31658), (231, 31667), (236, 31694),

(241, 31709), (247, 31748), (248, 31751), (255, 31778), (261, 31805), (275, 31859), (278, 31871), (281, 31877), (289, 31901), (309, 31994), (313, 32006), (314, 32009), (316, 32018), (317, 32036), (331, 32093), (332, 32096), (347, 32168), (350, 32183), (377, 32285), (390, 32330), (391, 32333), (418, 32414),

Gene: CurlyFries_45 Start: 31973, Stop: 33400, Start Num: 106
Candidate Starts for CurlyFries_45:
(28, 31793), (32, 31802), (36, 31817), (37, 31823), (Start: 63 @31886 has 1 MA's), (Start: 106 @31973 has 1 MA's), (Start: 111 @31979 has 170 MA's), (117, 32003), (Start: 121 @32036 has 3 MA's), (128, 32090), (132, 32099), (162, 32279), (173, 32336), (187, 32444), (194, 32489), (224, 32651), (230, 32669), (231, 32672), (295, 32918), (313, 32999), (323, 33059), (341, 33140), (377, 33281), (380, 33290), (384, 33314), (396, 33350),

Gene: DD5_38 Start: 30268, Stop: 31770, Start Num: 111
Candidate Starts for DD5_38:
(Start: 66 @30187 has 28 MA's), (Start: 70 @30193 has 3 MA's), (Start: 72 @30199 has 9 MA's), (Start: 73 @30202 has 10 MA's), (Start: 83 @30217 has 1 MA's), (Start: 111 @30268 has 170 MA's), (Start: 113 @30277 has 16 MA's), (Start: 115 @30283 has 10 MA's), (117, 30292), (147, 30487), (149, 30493), (153, 30514), (173, 30631), (175, 30643), (177, 30652), (178, 30661), (192, 30769), (197, 30790), (200, 30802), (203, 30826), (211, 30868), (234, 30997), (246, 31057), (258, 31114), (268, 31168), (273, 31183), (301, 31285), (303, 31291), (326, 31405), (330, 31420), (378, 31639), (409, 31738), (417, 31762),

Gene: Dadosky_39 Start: 31274, Stop: 32719, Start Num: 100
Candidate Starts for Dadosky_39:
(30, 31103), (40, 31139), (78, 31226), (Start: 100 @31274 has 7 MA's), (Start: 121 @31349 has 3 MA's), (122, 31361), (142, 31472), (143, 31475), (148, 31508), (153, 31532), (164, 31595), (177, 31670), (221, 31946), (274, 32168), (277, 32180), (296, 32228), (300, 32258), (306, 32279), (313, 32303), (344, 32456), (362, 32537), (365, 32543), (369, 32555), (377, 32591), (379, 32597), (382, 32615), (383, 32618), (388, 32633), (390, 32639), (407, 32687), (412, 32696),

Gene: Daudau_52 Start: 37034, Stop: 38455, Start Num: 95
Candidate Starts for Daudau_52:
(57, 36953), (Start: 67 @36974 has 3 MA's), (Start: 90 @37025 has 5 MA's), (Start: 95 @37034 has 10 MA's), (149, 37271), (175, 37409), (193, 37538), (205, 37586), (229, 37697), (231, 37706), (236, 37733), (242, 37754), (243, 37757), (249, 37796), (252, 37811), (292, 37955), (312, 38039), (338, 38156), (344, 38192), (355, 38246), (356, 38249), (383, 38348), (403, 38405), (408, 38411),

Gene: Dexers_50 Start: 36616, Stop: 38022, Start Num: 105
Candidate Starts for Dexers_50:
(94, 36595), (Start: 105 @36616 has 5 MA's), (117, 36646), (145, 36811), (146, 36829), (152, 36853), (153, 36862), (155, 36874), (171, 36964), (172, 36973), (173, 36976), (177, 36997), (199, 37126), (210, 37186), (229, 37297), (243, 37357), (269, 37489), (274, 37504), (309, 37606), (329, 37702), (341, 37759), (359, 37843), (364, 37858), (368, 37870), (389, 37951), (406, 38002),

Gene: Dexes_37 Start: 29719, Stop: 31221, Start Num: 111
Candidate Starts for Dexes_37:
(17, 29482), (18, 29485), (21, 29500), (35, 29563), (Start: 66 @29638 has 28 MA's), (Start: 70 @29644 has 3 MA's), (Start: 72 @29650 has 9 MA's), (Start: 73 @29653 has 10 MA's), (Start: 83 @29668 has 1 MA's), (Start: 111 @29719 has 170 MA's), (149, 29944), (153, 29965), (164, 30028), (175, 30094), (177, 30103), (178, 30112), (192, 30220), (197, 30241), (200, 30253), (203, 30277), (211, 30319), (234, 30448), (246, 30508), (258, 30565), (264, 30592), (268, 30619), (270, 30622), (273, 30634), (301, 30736), (303, 30742), (313, 30775), (326, 30856), (330, 30871), (378, 31090), (409, 31189),

(417, 31213),

Gene: Diminimus_131 Start: 69072, Stop: 67612, Start Num: 80
Candidate Starts for Diminimus_131:
(Start: 61 @69114 has 1 MA's), (76, 69081), (Start: 80 @69072 has 21 MA's), (117, 69000), (130, 68919), (139, 68877), (142, 68853), (155, 68781), (172, 68664), (182, 68601), (196, 68517), (199, 68505), (206, 68463), (210, 68445), (246, 68283), (250, 68262), (263, 68211), (271, 68184), (279, 68157), (314, 68037), (344, 67887), (363, 67809), (375, 67764), (391, 67707),

Gene: DirtDevil_39 Start: 30730, Stop: 32217, Start Num: 115
Candidate Starts for DirtDevil_39:
(Start: 66 @30634 has 28 MA's), (Start: 70 @30640 has 3 MA's), (Start: 72 @30646 has 9 MA's), (Start: 73 @30649 has 10 MA's), (Start: 83 @30664 has 1 MA's), (Start: 111 @30715 has 170 MA's), (Start: 115 @30730 has 10 MA's), (147, 30934), (149, 30940), (153, 30961), (173, 31078), (175, 31090), (177, 31099), (178, 31108), (189, 31204), (192, 31216), (197, 31237), (200, 31249), (203, 31273), (234, 31444), (246, 31504), (258, 31561), (264, 31588), (268, 31615), (273, 31630), (293, 31699), (303, 31738), (313, 31771), (326, 31852), (330, 31867), (351, 31972), (378, 32086), (409, 32185), (417, 32209),

Gene: Doom_37 Start: 29713, Stop: 31212, Start Num: 111
Candidate Starts for Doom_37:
(Start: 66 @29632 has 28 MA's), (Start: 70 @29638 has 3 MA's), (Start: 72 @29644 has 9 MA's), (Start: 73 @29647 has 10 MA's), (Start: 83 @29662 has 1 MA's), (Start: 111 @29713 has 170 MA's), (Start: 115 @29728 has 10 MA's), (128, 29821), (147, 29932), (149, 29938), (153, 29959), (175, 30088), (177, 30097), (178, 30106), (192, 30214), (197, 30235), (200, 30247), (203, 30271), (211, 30313), (234, 30442), (246, 30502), (258, 30559), (264, 30586), (268, 30613), (270, 30616), (273, 30628), (301, 30727), (313, 30766), (314, 30769), (326, 30847), (330, 30862), (378, 31081), (409, 31180), (417, 31204),

Gene: DoubleChamp_38 Start: 31456, Stop: 32826, Start Num: 121
Candidate Starts for DoubleChamp_38:
(14, 31129), (27, 31192), (40, 31246), (78, 31333), (Start: 100 @31381 has 7 MA's), (Start: 121 @31456 has 3 MA's), (122, 31468), (142, 31579), (143, 31582), (148, 31615), (153, 31639), (164, 31702), (177, 31777), (221, 32053), (274, 32275), (277, 32287), (296, 32335), (300, 32365), (306, 32386), (313, 32410), (344, 32563), (362, 32644), (365, 32650), (369, 32662), (377, 32698), (379, 32704), (383, 32725), (388, 32740), (390, 32746), (407, 32794), (412, 32803),

Gene: DrFeelGood_36 Start: 29804, Stop: 31306, Start Num: 111
Candidate Starts for DrFeelGood_36:
(Start: 66 @29723 has 28 MA's), (Start: 70 @29729 has 3 MA's), (Start: 72 @29735 has 9 MA's), (Start: 73 @29738 has 10 MA's), (Start: 83 @29753 has 1 MA's), (Start: 111 @29804 has 170 MA's), (128, 29912), (147, 30023), (149, 30029), (159, 30083), (173, 30167), (175, 30179), (177, 30188), (178, 30197), (192, 30305), (197, 30326), (200, 30338), (203, 30362), (211, 30404), (234, 30533), (246, 30593), (258, 30650), (264, 30677), (268, 30704), (270, 30707), (273, 30719), (293, 30788), (301, 30821), (303, 30827), (313, 30860), (326, 30941), (330, 30956), (378, 31175), (409, 31274), (417, 31298),

Gene: Drake94_32 Start: 23843, Stop: 25489, Start Num: 108
Candidate Starts for Drake94_32:
(Start: 83 @23795 has 1 MA's), (Start: 101 @23834 has 3 MA's), (Start: 108 @23843 has 3 MA's), (Start: 113 @23861 has 16 MA's), (118, 23885), (128, 23960), (132, 23969), (134, 23987), (147, 24071), (148, 24074), (155, 24110), (172, 24212), (177, 24236), (178, 24245), (189, 24341), (197, 24377), (204, 24416), (206, 24425), (208, 24428), (226, 24545), (232, 24566), (234, 24581), (238,

24593), (245, 24641), (253, 24686), (268, 24758), (276, 24782), (303, 24902), (308, 24920), (309, 24923), (310, 24926), (337, 25061), (378, 25250), (405, 25343), (417, 25373), (420, 25397), (423, 25445), (425, 25463),

Gene: DreamCatcher_40 Start: 30683, Stop: 32266, Start Num: 66
Candidate Starts for DreamCatcher_40:
(Start: 66 @30683 has 28 MA's), (Start: 70 @30689 has 3 MA's), (Start: 72 @30695 has 9 MA's), (Start: 73 @30698 has 10 MA's), (Start: 83 @30713 has 1 MA's), (Start: 111 @30764 has 170 MA's), (132, 30881), (147, 30983), (149, 30989), (153, 31010), (173, 31127), (175, 31139), (177, 31148), (178, 31157), (192, 31265), (197, 31286), (200, 31298), (203, 31322), (211, 31364), (234, 31493), (246, 31553), (258, 31610), (264, 31637), (268, 31664), (270, 31667), (273, 31679), (293, 31748), (301, 31781), (303, 31787), (313, 31820), (326, 31901), (330, 31916), (351, 32021), (378, 32135), (409, 32234), (417, 32258),

Gene: Dreamboat_38 Start: 29353, Stop: 30855, Start Num: 111
Candidate Starts for Dreamboat_38:
(Start: 66 @29272 has 28 MA's), (Start: 70 @29278 has 3 MA's), (Start: 72 @29284 has 9 MA's), (Start: 73 @29287 has 10 MA's), (Start: 83 @29302 has 1 MA's), (Start: 111 @29353 has 170 MA's), (Start: 115 @29368 has 10 MA's), (132, 29470), (134, 29488), (137, 29500), (147, 29572), (149, 29578), (152, 29590), (153, 29599), (173, 29716), (175, 29728), (177, 29737), (178, 29746), (189, 29842), (192, 29854), (197, 29875), (200, 29887), (203, 29911), (211, 29953), (234, 30082), (246, 30142), (258, 30199), (268, 30253), (273, 30268), (301, 30370), (303, 30376), (313, 30409), (314, 30412), (318, 30448), (323, 30475), (330, 30505), (378, 30724), (409, 30823), (417, 30847),

Gene: Dulcita_131 Start: 69073, Stop: 67613, Start Num: 80
Candidate Starts for Dulcita_131:
(Start: 61 @69115 has 1 MA's), (76, 69082), (Start: 80 @69073 has 21 MA's), (117, 69001), (130, 68920), (139, 68878), (142, 68854), (155, 68782), (172, 68665), (182, 68602), (196, 68518), (199, 68506), (206, 68464), (210, 68446), (246, 68284), (250, 68263), (263, 68212), (271, 68185), (279, 68158), (314, 68038), (344, 67888), (363, 67810), (375, 67765), (391, 67708),

Gene: Dussy_38 Start: 29615, Stop: 31129, Start Num: 111
Candidate Starts for Dussy_38:
(Start: 66 @29534 has 28 MA's), (Start: 70 @29540 has 3 MA's), (Start: 72 @29546 has 9 MA's), (Start: 73 @29549 has 10 MA's), (Start: 83 @29564 has 1 MA's), (Start: 111 @29615 has 170 MA's), (114, 29627), (149, 29840), (152, 29852), (153, 29861), (159, 29894), (175, 29990), (177, 29999), (178, 30008), (192, 30116), (197, 30137), (200, 30149), (203, 30173), (211, 30215), (234, 30344), (246, 30404), (258, 30461), (264, 30488), (268, 30515), (270, 30518), (273, 30530), (293, 30599), (303, 30638), (313, 30671), (326, 30752), (330, 30767), (378, 30986),

Gene: Dynamix_38 Start: 29367, Stop: 30950, Start Num: 66
Candidate Starts for Dynamix_38:
(Start: 66 @29367 has 28 MA's), (Start: 70 @29373 has 3 MA's), (Start: 72 @29379 has 9 MA's), (Start: 73 @29382 has 10 MA's), (Start: 83 @29397 has 1 MA's), (Start: 111 @29448 has 170 MA's), (Start: 115 @29463 has 10 MA's), (147, 29667), (149, 29673), (173, 29811), (175, 29823), (177, 29832), (178, 29841), (179, 29847), (189, 29937), (192, 29949), (200, 29982), (229, 30150), (234, 30177), (246, 30237), (258, 30294), (264, 30321), (268, 30348), (273, 30363), (293, 30432), (303, 30471), (313, 30504), (323, 30570), (330, 30600), (342, 30663), (351, 30705), (353, 30720), (378, 30819), (409, 30918), (417, 30942),

Gene: ELB20_52 Start: 37707, Stop: 38996, Start Num: 125
Candidate Starts for ELB20_52:

(Start: 95 @37578 has 10 MA's), (96, 37581), (Start: 125 @37707 has 1 MA's), (127, 37713), (132, 37722), (142, 37785), (154, 37842), (158, 37863), (166, 37893), (167, 37896), (175, 37950), (193, 38079), (199, 38088), (205, 38127), (211, 38157), (229, 38238), (231, 38247), (243, 38298), (252, 38352), (312, 38580), (326, 38649), (344, 38733), (356, 38790), (367, 38823), (370, 38832), (383, 38889), (403, 38946), (408, 38952), (419, 38985),

Gene: Eddasa_50 Start: 34372, Stop: 35694, Start Num: 113
Candidate Starts for Eddasa_50:
(Start: 110 @34360 has 5 MA's), (Start: 113 @34372 has 16 MA's), (117, 34387), (127, 34474), (Start: 129 @34477 has 1 MA's), (135, 34501), (145, 34552), (152, 34594), (153, 34603), (155, 34615), (171, 34705), (172, 34714), (177, 34738), (193, 34858), (198, 34864), (219, 34954), (229, 34969), (231, 34978), (239, 35011), (262, 35122), (263, 35128), (274, 35176), (279, 35191), (286, 35206), (306, 35266), (308, 35275), (313, 35290), (327, 35368), (336, 35401), (341, 35431), (351, 35479), (372, 35557), (383, 35605), (385, 35614), (394, 35641), (410, 35680),

Gene: Edtherson_38 Start: 30287, Stop: 31789, Start Num: 111
Candidate Starts for Edtherson_38:
(Start: 66 @30206 has 28 MA's), (Start: 70 @30212 has 3 MA's), (Start: 72 @30218 has 9 MA's), (Start: 73 @30221 has 10 MA's), (Start: 83 @30236 has 1 MA's), (Start: 111 @30287 has 170 MA's), (Start: 115 @30302 has 10 MA's), (147, 30506), (149, 30512), (153, 30533), (175, 30662), (177, 30671), (178, 30680), (192, 30788), (197, 30809), (200, 30821), (203, 30845), (211, 30887), (234, 31016), (246, 31076), (258, 31133), (264, 31160), (268, 31187), (273, 31202), (293, 31271), (303, 31310), (313, 31343), (326, 31424), (330, 31439), (351, 31544), (378, 31658), (409, 31757), (417, 31781),

Gene: Edugator_39 Start: 31774, Stop: 33144, Start Num: 121
Candidate Starts for Edugator_39:
(14, 31447), (30, 31528), (40, 31564), (78, 31651), (Start: 100 @31699 has 7 MA's), (Start: 121 @31774 has 3 MA's), (122, 31786), (142, 31897), (143, 31900), (148, 31933), (153, 31957), (164, 32020), (177, 32095), (221, 32371), (274, 32593), (277, 32605), (296, 32653), (300, 32683), (306, 32704), (344, 32881), (362, 32962), (365, 32968), (369, 32980), (377, 33016), (379, 33022), (382, 33040), (383, 33043), (388, 33058), (390, 33064), (407, 33112), (412, 33121),

Gene: EnochSoames_52 Start: 34356, Stop: 35690, Start Num: 110
Candidate Starts for EnochSoames_52:
(Start: 110 @34356 has 5 MA's), (Start: 113 @34368 has 16 MA's), (117, 34383), (127, 34470), (Start: 129 @34473 has 1 MA's), (135, 34497), (142, 34539), (145, 34548), (152, 34590), (153, 34599), (155, 34611), (171, 34701), (172, 34710), (177, 34734), (193, 34854), (198, 34860), (219, 34950), (229, 34965), (231, 34974), (239, 35007), (262, 35118), (263, 35124), (274, 35172), (279, 35187), (286, 35202), (306, 35262), (308, 35271), (327, 35364), (336, 35397), (341, 35427), (351, 35475), (372, 35553), (383, 35601), (385, 35610), (394, 35637), (410, 35676),

Gene: Esperer_49 Start: 33895, Stop: 35217, Start Num: 113
Candidate Starts for Esperer_49:
(Start: 110 @33883 has 5 MA's), (Start: 113 @33895 has 16 MA's), (117, 33910), (127, 33997), (Start: 129 @34000 has 1 MA's), (135, 34024), (142, 34066), (145, 34075), (152, 34117), (153, 34126), (155, 34138), (171, 34228), (172, 34237), (177, 34261), (193, 34381), (198, 34387), (219, 34477), (229, 34492), (231, 34501), (239, 34534), (262, 34645), (263, 34651), (274, 34699), (279, 34714), (286, 34729), (306, 34789), (313, 34813), (328, 34894), (336, 34924), (341, 34954), (351, 35002), (372, 35080), (383, 35128), (385, 35137), (394, 35164), (410, 35203),

Gene: Espresso_37 Start: 29637, Stop: 31136, Start Num: 111
Candidate Starts for Espresso_37:

(Start: 66 @29556 has 28 MA's), (Start: 70 @29562 has 3 MA's), (Start: 72 @29568 has 9 MA's), (Start: 73 @29571 has 10 MA's), (Start: 83 @29586 has 1 MA's), (Start: 111 @29637 has 170 MA's), (Start: 115 @29652 has 10 MA's), (117, 29661), (149, 29862), (152, 29874), (175, 30012), (177, 30021), (178, 30030), (179, 30036), (192, 30138), (197, 30159), (200, 30171), (203, 30195), (234, 30366), (246, 30426), (258, 30483), (268, 30537), (270, 30540), (273, 30552), (313, 30690), (318, 30729), (323, 30756), (330, 30786), (351, 30891), (378, 31005), (409, 31104), (417, 31128),

Gene: Estes_146 Start: 70719, Stop: 69265, Start Num: 80
Candidate Starts for Estes_146:
(13, 70932), (22, 70887), (34, 70836), (Start: 61 @70761 has 1 MA's), (76, 70728), (Start: 80 @70719 has 21 MA's), (112, 70665), (117, 70647), (126, 70572), (155, 70428), (172, 70311), (182, 70248), (199, 70158), (206, 70116), (253, 69903), (263, 69864), (271, 69837), (279, 69810), (302, 69729), (311, 69699), (313, 69693), (314, 69690), (344, 69540), (349, 69519), (363, 69462), (391, 69360), (403, 69318), (408, 69312),

Gene: Euphoria_37 Start: 29484, Stop: 30986, Start Num: 111
Candidate Starts for Euphoria_37:
(Start: 66 @29403 has 28 MA's), (Start: 70 @29409 has 3 MA's), (Start: 72 @29415 has 9 MA's), (Start: 73 @29418 has 10 MA's), (Start: 83 @29433 has 1 MA's), (Start: 111 @29484 has 170 MA's), (Start: 115 @29499 has 10 MA's), (147, 29703), (149, 29709), (175, 29859), (177, 29868), (178, 29877), (192, 29985), (197, 30006), (200, 30018), (203, 30042), (211, 30084), (234, 30213), (246, 30273), (258, 30330), (264, 30357), (268, 30384), (270, 30387), (273, 30399), (303, 30507), (313, 30540), (326, 30621), (330, 30636), (351, 30741), (378, 30855), (381, 30867), (409, 30954), (417, 30978),

Gene: Exile_44 Start: 37249, Stop: 38688, Start Num: 99
Candidate Starts for Exile_44:
(93, 37237), (Start: 99 @37249 has 1 MA's), (Start: 103 @37255 has 1 MA's), (112, 37273), (142, 37441), (151, 37486), (152, 37492), (164, 37552), (174, 37612), (203, 37780), (241, 37939), (283, 38107), (304, 38161), (325, 38254), (343, 38341), (374, 38464), (377, 38476), (379, 38482), (382, 38500), (404, 38560), (421, 38620),

Gene: Eyeball_37 Start: 29191, Stop: 30690, Start Num: 111
Candidate Starts for Eyeball_37:
(Start: 66 @29110 has 28 MA's), (Start: 70 @29116 has 3 MA's), (Start: 72 @29122 has 9 MA's), (Start: 73 @29125 has 10 MA's), (Start: 83 @29140 has 1 MA's), (Start: 111 @29191 has 170 MA's), (147, 29410), (149, 29416), (153, 29437), (175, 29566), (177, 29575), (178, 29584), (192, 29692), (197, 29713), (200, 29725), (203, 29749), (211, 29791), (234, 29920), (246, 29980), (258, 30037), (264, 30064), (268, 30091), (270, 30094), (273, 30106), (301, 30205), (313, 30244), (326, 30325), (330, 30340), (351, 30445), (378, 30559), (409, 30658), (417, 30682),

Gene: Fairfaxidum_39 Start: 30789, Stop: 32177, Start Num: 111
Candidate Starts for Fairfaxidum_39:
(91, 30759), (Start: 111 @30789 has 170 MA's), (Start: 121 @30846 has 3 MA's), (181, 31200), (183, 31212), (188, 31266), (190, 31272), (195, 31299), (201, 31332), (202, 31335), (229, 31467), (247, 31560), (251, 31578), (271, 31653), (274, 31665), (284, 31680), (288, 31689), (299, 31716), (309, 31770), (313, 31782), (317, 31812), (329, 31863), (341, 31920), (356, 31989), (358, 31998), (359, 32001), (363, 32013), (364, 32016), (367, 32025), (394, 32121), (402, 32142), (413, 32157),

Gene: Fajezeel_39 Start: 29706, Stop: 31220, Start Num: 111
Candidate Starts for Fajezeel_39:
(Start: 66 @29625 has 28 MA's), (Start: 70 @29631 has 3 MA's), (Start: 72 @29637 has 9 MA's), (Start: 73 @29640 has 10 MA's), (Start: 83 @29655 has 1 MA's), (Start: 111 @29706 has 170 MA's),

(Start: 115 @29721 has 10 MA's), (147, 29925), (149, 29931), (153, 29952), (173, 30069), (175, 30081), (177, 30090), (178, 30099), (192, 30207), (197, 30228), (200, 30240), (203, 30264), (211, 30306), (234, 30435), (246, 30495), (258, 30552), (264, 30579), (268, 30606), (270, 30609), (273, 30621), (293, 30690), (301, 30723), (303, 30729), (313, 30762), (326, 30843), (330, 30858), (351, 30963), (378, 31077),

Gene: Fascinus_36 Start: 28964, Stop: 30466, Start Num: 111
Candidate Starts for Fascinus_36:
(52, 28859), (Start: 58 @28871 has 1 MA's), (Start: 66 @28883 has 28 MA's), (Start: 70 @28889 has 3 MA's), (Start: 72 @28895 has 9 MA's), (Start: 73 @28898 has 10 MA's), (Start: 83 @28913 has 1 MA's), (Start: 111 @28964 has 170 MA's), (147, 29183), (149, 29189), (153, 29210), (175, 29339), (177, 29348), (178, 29357), (192, 29465), (197, 29486), (200, 29498), (203, 29522), (211, 29564), (234, 29693), (246, 29753), (258, 29810), (264, 29837), (268, 29864), (270, 29867), (273, 29879), (293, 29948), (303, 29987), (313, 30020), (326, 30101), (330, 30116), (351, 30221), (378, 30335), (409, 30434), (417, 30458),

Gene: Fenn_38 Start: 31030, Stop: 32544, Start Num: 111
Candidate Starts for Fenn_38:
(Start: 66 @30949 has 28 MA's), (Start: 70 @30955 has 3 MA's), (Start: 72 @30961 has 9 MA's), (Start: 73 @30964 has 10 MA's), (Start: 83 @30979 has 1 MA's), (Start: 111 @31030 has 170 MA's), (149, 31255), (153, 31276), (173, 31393), (175, 31405), (177, 31414), (178, 31423), (192, 31531), (197, 31552), (200, 31564), (203, 31588), (211, 31630), (234, 31759), (246, 31819), (258, 31876), (268, 31930), (273, 31945), (303, 32053), (313, 32086), (314, 32089), (326, 32167), (330, 32182), (332, 32188), (378, 32401), (381, 32413),

Gene: Fenry_37 Start: 30762, Stop: 32153, Start Num: 111
Candidate Starts for Fenry_37:
(85, 30714), (91, 30732), (Start: 104 @30753 has 1 MA's), (Start: 111 @30762 has 170 MA's), (132, 30882), (147, 30975), (179, 31152), (180, 31158), (183, 31185), (188, 31239), (211, 31356), (247, 31533), (251, 31551), (253, 31560), (266, 31611), (274, 31638), (284, 31653), (302, 31719), (303, 31722), (309, 31743), (310, 31746), (313, 31755), (314, 31758), (322, 31809), (329, 31836), (341, 31893), (349, 31929), (356, 31962), (364, 31989), (379, 32040), (401, 32115),

Gene: Feyre_38 Start: 31236, Stop: 32642, Start Num: 111
Candidate Starts for Feyre_38:
(Start: 105 @31227 has 5 MA's), (Start: 111 @31236 has 170 MA's), (132, 31356), (162, 31533), (169, 31557), (176, 31608), (182, 31650), (190, 31719), (195, 31746), (197, 31755), (202, 31782), (206, 31803), (210, 31821), (214, 31848), (224, 31893), (233, 31899), (253, 32004), (272, 32070), (274, 32079), (282, 32100), (285, 32118), (294, 32139), (313, 32226), (315, 32235), (316, 32238), (337, 32346), (343, 32382), (360, 32454), (363, 32463), (377, 32514), (387, 32553), (392, 32565), (394, 32574), (411, 32604), (415, 32619),

Gene: Forsytheast_37 Start: 29539, Stop: 31122, Start Num: 66
Candidate Starts for Forsytheast_37:
(Start: 66 @29539 has 28 MA's), (Start: 70 @29545 has 3 MA's), (Start: 72 @29551 has 9 MA's), (Start: 73 @29554 has 10 MA's), (Start: 83 @29569 has 1 MA's), (Start: 111 @29620 has 170 MA's), (Start: 115 @29635 has 10 MA's), (117, 29644), (147, 29839), (149, 29845), (152, 29857), (153, 29866), (175, 29995), (177, 30004), (178, 30013), (192, 30121), (197, 30142), (200, 30154), (203, 30178), (234, 30349), (246, 30409), (258, 30466), (268, 30520), (270, 30523), (273, 30535), (303, 30643), (313, 30676), (318, 30715), (326, 30757), (330, 30772), (378, 30991), (409, 31090), (417, 31114),

Gene: Francis47_37 Start: 30069, Stop: 31553, Start Num: 115

Candidate Starts for Francis47_37:
(Start: 66 @29973 has 28 MA's), (Start: 70 @29979 has 3 MA's), (Start: 72 @29985 has 9 MA's), (Start: 73 @29988 has 10 MA's), (Start: 83 @30003 has 1 MA's), (Start: 111 @30054 has 170 MA's), (Start: 115 @30069 has 10 MA's), (147, 30273), (149, 30279), (153, 30300), (175, 30429), (177, 30438), (178, 30447), (192, 30555), (197, 30576), (200, 30588), (203, 30612), (234, 30783), (246, 30843), (258, 30900), (264, 30927), (268, 30954), (270, 30957), (273, 30969), (301, 31068), (313, 31107), (314, 31110), (326, 31188), (330, 31203), (378, 31422), (409, 31521), (417, 31545),

Gene: FreakyGoo_131 Start: 69557, Stop: 68097, Start Num: 80
Candidate Starts for FreakyGoo_131:
(Start: 61 @69599 has 1 MA's), (76, 69566), (Start: 80 @69557 has 21 MA's), (117, 69485), (130, 69404), (139, 69362), (142, 69338), (155, 69266), (172, 69149), (182, 69086), (196, 69002), (199, 68990), (206, 68948), (210, 68930), (246, 68768), (250, 68747), (263, 68696), (271, 68669), (279, 68642), (314, 68522), (344, 68372), (363, 68294), (375, 68249), (391, 68192),

Gene: Froghopper_37 Start: 28895, Stop: 30478, Start Num: 66
Candidate Starts for Froghopper_37:
(Start: 66 @28895 has 28 MA's), (Start: 70 @28901 has 3 MA's), (Start: 72 @28907 has 9 MA's), (Start: 73 @28910 has 10 MA's), (Start: 83 @28925 has 1 MA's), (Start: 111 @28976 has 170 MA's), (149, 29201), (175, 29351), (177, 29360), (178, 29369), (192, 29477), (197, 29498), (200, 29510), (203, 29534), (234, 29705), (246, 29765), (258, 29822), (268, 29876), (270, 29879), (273, 29891), (293, 29960), (303, 29999), (313, 30032), (326, 30113), (330, 30128), (351, 30233), (378, 30347), (381, 30359), (409, 30446), (417, 30470),

Gene: Frokostdame_39 Start: 30677, Stop: 32089, Start Num: 97
Candidate Starts for Frokostdame_39:
(Start: 42 @30563 has 1 MA's), (Start: 97 @30677 has 1 MA's), (Start: 111 @30698 has 170 MA's), (132, 30818), (183, 31121), (188, 31175), (211, 31292), (228, 31370), (242, 31433), (247, 31469), (266, 31547), (274, 31574), (284, 31589), (302, 31655), (303, 31658), (313, 31691), (314, 31694), (329, 31772), (341, 31829), (349, 31865), (356, 31898), (364, 31925), (401, 32051),

Gene: GMonster_36 Start: 28786, Stop: 30288, Start Num: 111
Candidate Starts for GMonster_36:
(Start: 66 @28705 has 28 MA's), (Start: 70 @28711 has 3 MA's), (Start: 72 @28717 has 9 MA's), (Start: 73 @28720 has 10 MA's), (Start: 83 @28735 has 1 MA's), (Start: 111 @28786 has 170 MA's), (Start: 113 @28795 has 16 MA's), (Start: 115 @28801 has 10 MA's), (117, 28810), (147, 29005), (149, 29011), (153, 29032), (175, 29161), (177, 29170), (178, 29179), (192, 29287), (197, 29308), (200, 29320), (203, 29344), (234, 29515), (246, 29575), (258, 29632), (264, 29659), (268, 29686), (270, 29689), (273, 29701), (303, 29809), (313, 29842), (326, 29923), (330, 29938), (351, 30043), (378, 30157), (381, 30169), (409, 30256), (417, 30280),

Gene: Gachnar_39 Start: 29558, Stop: 31060, Start Num: 111
Candidate Starts for Gachnar_39:
(Start: 66 @29477 has 28 MA's), (Start: 70 @29483 has 3 MA's), (Start: 72 @29489 has 9 MA's), (Start: 73 @29492 has 10 MA's), (Start: 83 @29507 has 1 MA's), (Start: 111 @29558 has 170 MA's), (149, 29783), (159, 29837), (175, 29933), (177, 29942), (178, 29951), (192, 30059), (197, 30080), (200, 30092), (203, 30116), (211, 30158), (234, 30287), (246, 30347), (258, 30404), (264, 30431), (268, 30458), (273, 30473), (303, 30581), (313, 30614), (320, 30659), (326, 30695), (330, 30710), (351, 30815), (378, 30929), (409, 31028), (417, 31052),

Gene: GageAP_39 Start: 29769, Stop: 31271, Start Num: 111
Candidate Starts for GageAP_39:

(47, 29655), (Start: 66 @29688 has 28 MA's), (Start: 70 @29694 has 3 MA's), (Start: 72 @29700 has 9 MA's), (Start: 73 @29703 has 10 MA's), (Start: 83 @29718 has 1 MA's), (Start: 111 @29769 has 170 MA's), (147, 29988), (149, 29994), (153, 30015), (175, 30144), (177, 30153), (178, 30162), (192, 30270), (197, 30291), (200, 30303), (203, 30327), (211, 30369), (234, 30498), (246, 30558), (258, 30615), (264, 30642), (268, 30669), (270, 30672), (273, 30684), (293, 30753), (303, 30792), (313, 30825), (326, 30906), (330, 30921), (378, 31140), (381, 31152), (409, 31239), (417, 31263),

Gene: Gambino_40 Start: 30240, Stop: 31766, Start Num: 42
Candidate Starts for Gambino_40:
(Start: 42 @30240 has 1 MA's), (Start: 97 @30354 has 1 MA's), (Start: 111 @30375 has 170 MA's), (132, 30495), (162, 30672), (183, 30798), (188, 30852), (211, 30969), (228, 31047), (242, 31110), (247, 31146), (266, 31224), (274, 31251), (284, 31266), (302, 31332), (303, 31335), (310, 31359), (313, 31368), (314, 31371), (329, 31449), (341, 31506), (349, 31542), (356, 31575), (358, 31584), (364, 31602), (379, 31653),

Gene: Gandalf20_38 Start: 30239, Stop: 31741, Start Num: 111
Candidate Starts for Gandalf20_38:
(Start: 66 @30158 has 28 MA's), (Start: 70 @30164 has 3 MA's), (Start: 72 @30170 has 9 MA's), (Start: 73 @30173 has 10 MA's), (Start: 83 @30188 has 1 MA's), (Start: 111 @30239 has 170 MA's), (114, 30251), (149, 30464), (152, 30476), (153, 30485), (159, 30518), (175, 30614), (177, 30623), (178, 30632), (192, 30740), (197, 30761), (200, 30773), (203, 30797), (211, 30839), (234, 30968), (246, 31028), (258, 31085), (264, 31112), (268, 31139), (270, 31142), (273, 31154), (293, 31223), (301, 31256), (303, 31262), (313, 31295), (326, 31376), (330, 31391), (351, 31496), (378, 31610), (409, 31709), (417, 31733),

Gene: GardenSalsa_146 Start: 70892, Stop: 69438, Start Num: 80
Candidate Starts for GardenSalsa_146:
(34, 71009), (Start: 61 @70934 has 1 MA's), (76, 70901), (Start: 80 @70892 has 21 MA's), (112, 70838), (117, 70820), (126, 70745), (155, 70601), (172, 70484), (182, 70421), (199, 70331), (206, 70289), (253, 70076), (271, 70010), (279, 69983), (302, 69902), (311, 69872), (313, 69866), (314, 69863), (344, 69713), (349, 69692), (363, 69635), (391, 69533), (403, 69491),

Gene: GenevaB15_148 Start: 70550, Stop: 69096, Start Num: 80
Candidate Starts for GenevaB15_148:
(Start: 61 @70592 has 1 MA's), (76, 70559), (Start: 80 @70550 has 21 MA's), (112, 70496), (117, 70478), (126, 70403), (155, 70259), (172, 70142), (182, 70079), (199, 69989), (206, 69947), (253, 69734), (263, 69695), (271, 69668), (279, 69641), (302, 69560), (311, 69530), (313, 69524), (314, 69521), (344, 69371), (349, 69350), (363, 69293), (391, 69191),

Gene: Gengar_38 Start: 31346, Stop: 32752, Start Num: 111
Candidate Starts for Gengar_38:
(Start: 105 @31337 has 5 MA's), (Start: 111 @31346 has 170 MA's), (132, 31466), (162, 31643), (169, 31667), (176, 31718), (182, 31760), (190, 31829), (195, 31856), (197, 31865), (202, 31892), (206, 31913), (210, 31931), (214, 31958), (224, 32003), (233, 32009), (253, 32114), (272, 32180), (274, 32189), (282, 32210), (285, 32228), (313, 32336), (315, 32345), (316, 32348), (337, 32456), (343, 32492), (360, 32564), (363, 32573), (377, 32624), (387, 32663), (392, 32675), (394, 32684), (411, 32714), (415, 32729),

Gene: Glaske16_133 Start: 70191, Stop: 68731, Start Num: 80
Candidate Starts for Glaske16_133:
(Start: 61 @70233 has 1 MA's), (76, 70200), (Start: 80 @70191 has 21 MA's), (117, 70119), (130, 70038), (139, 69996), (142, 69972), (155, 69900), (172, 69783), (182, 69720), (196, 69636), (199, 69624), (206, 69582), (210, 69564), (246, 69402), (250, 69381), (263, 69330), (271, 69303), (279,

69276), (314, 69156), (344, 69006), (363, 68928), (375, 68883), (391, 68826),

Gene: Gompeii16_37 Start: 29884, Stop: 31383, Start Num: 111
Candidate Starts for Gompeii16_37:
(Start: 66 @29803 has 28 MA's), (Start: 70 @29809 has 3 MA's), (Start: 72 @29815 has 9 MA's), (Start: 73 @29818 has 10 MA's), (Start: 83 @29833 has 1 MA's), (Start: 111 @29884 has 170 MA's), (Start: 115 @29899 has 10 MA's), (117, 29908), (147, 30103), (149, 30109), (153, 30130), (175, 30259), (177, 30268), (178, 30277), (192, 30385), (197, 30406), (200, 30418), (203, 30442), (234, 30613), (246, 30673), (258, 30730), (264, 30757), (268, 30784), (270, 30787), (273, 30799), (301, 30898), (313, 30937), (314, 30940), (326, 31018), (330, 31033), (378, 31252), (409, 31351), (417, 31375),

Gene: Graduation_39 Start: 30062, Stop: 31606, Start Num: 86
Candidate Starts for Graduation_39:
(Start: 86 @30062 has 3 MA's), (Start: 111 @30107 has 170 MA's), (Start: 115 @30122 has 10 MA's), (117, 30131), (137, 30254), (147, 30326), (149, 30332), (159, 30386), (175, 30482), (177, 30491), (178, 30500), (192, 30608), (197, 30629), (200, 30641), (203, 30665), (211, 30707), (234, 30836), (246, 30896), (258, 30953), (264, 30980), (268, 31007), (270, 31010), (273, 31022), (301, 31121), (313, 31160), (326, 31241), (330, 31256), (351, 31361), (378, 31475), (381, 31487), (409, 31574), (417, 31598),

Gene: GrecoEtereo_39 Start: 30180, Stop: 31682, Start Num: 111
Candidate Starts for GrecoEtereo_39:
(Start: 66 @30099 has 28 MA's), (Start: 70 @30105 has 3 MA's), (Start: 72 @30111 has 9 MA's), (Start: 73 @30114 has 10 MA's), (Start: 83 @30129 has 1 MA's), (Start: 111 @30180 has 170 MA's), (Start: 115 @30195 has 10 MA's), (149, 30405), (175, 30555), (177, 30564), (178, 30573), (192, 30681), (197, 30702), (200, 30714), (203, 30738), (211, 30780), (234, 30909), (246, 30969), (258, 31026), (268, 31080), (273, 31095), (293, 31164), (301, 31197), (303, 31203), (313, 31236), (314, 31239), (326, 31317), (330, 31332), (351, 31437), (378, 31551), (409, 31650), (417, 31674),

Gene: Greg_39 Start: 29706, Stop: 31220, Start Num: 111
Candidate Starts for Greg_39:
(Start: 66 @29625 has 28 MA's), (Start: 70 @29631 has 3 MA's), (Start: 72 @29637 has 9 MA's), (Start: 73 @29640 has 10 MA's), (Start: 83 @29655 has 1 MA's), (Start: 111 @29706 has 170 MA's), (Start: 115 @29721 has 10 MA's), (147, 29925), (149, 29931), (153, 29952), (173, 30069), (175, 30081), (177, 30090), (178, 30099), (192, 30207), (197, 30228), (200, 30240), (203, 30264), (211, 30306), (234, 30435), (246, 30495), (258, 30552), (264, 30579), (268, 30606), (270, 30609), (273, 30621), (293, 30690), (301, 30723), (303, 30729), (313, 30762), (326, 30843), (330, 30858), (351, 30963), (378, 31077),

Gene: Gretchen_58 Start: 38919, Stop: 40406, Start Num: 107
Candidate Starts for Gretchen_58:
(8, 38601), (16, 38670), (Start: 107 @38919 has 6 MA's), (Start: 121 @38982 has 3 MA's), (124, 39012), (142, 39111), (143, 39114), (149, 39150), (172, 39282), (174, 39294), (184, 39366), (193, 39423), (201, 39450), (215, 39528), (231, 39576), (271, 39753), (274, 39765), (302, 39885), (312, 39918), (324, 39978), (335, 40020), (337, 40032), (366, 40158), (370, 40173), (390, 40251), (395, 40269), (424, 40401),

Gene: GroundGoblin_39 Start: 30791, Stop: 32359, Start Num: 73
Candidate Starts for GroundGoblin_39:
(Start: 66 @30776 has 28 MA's), (Start: 70 @30782 has 3 MA's), (Start: 72 @30788 has 9 MA's), (Start: 73 @30791 has 10 MA's), (Start: 83 @30806 has 1 MA's), (Start: 111 @30857 has 170 MA's), (147, 31076), (149, 31082), (152, 31094), (153, 31103), (173, 31220), (175, 31232), (177, 31241),

(178, 31250), (189, 31346), (192, 31358), (197, 31379), (200, 31391), (203, 31415), (234, 31586), (246, 31646), (258, 31703), (264, 31730), (268, 31757), (273, 31772), (293, 31841), (303, 31880), (313, 31913), (326, 31994), (330, 32009), (351, 32114), (378, 32228), (409, 32327), (417, 32351),

Gene: Guillsminger_39 Start: 31317, Stop: 32723, Start Num: 111
Candidate Starts for Guillsminger_39:
(Start: 105 @31308 has 5 MA's), (Start: 111 @31317 has 170 MA's), (132, 31437), (162, 31614), (169, 31638), (176, 31689), (182, 31731), (187, 31779), (190, 31800), (195, 31827), (197, 31836), (202, 31863), (206, 31884), (210, 31902), (214, 31929), (224, 31974), (233, 31980), (253, 32085), (272, 32151), (274, 32160), (282, 32181), (285, 32199), (313, 32307), (315, 32316), (316, 32319), (337, 32427), (343, 32463), (360, 32535), (363, 32544), (377, 32595), (387, 32634), (392, 32646), (394, 32655), (411, 32685), (415, 32700),

Gene: Gwendoluna_40 Start: 31439, Stop: 33007, Start Num: 73
Candidate Starts for Gwendoluna_40:
(Start: 66 @31424 has 28 MA's), (Start: 70 @31430 has 3 MA's), (Start: 72 @31436 has 9 MA's), (Start: 73 @31439 has 10 MA's), (Start: 83 @31454 has 1 MA's), (Start: 111 @31505 has 170 MA's), (Start: 115 @31520 has 10 MA's), (147, 31724), (149, 31730), (153, 31751), (175, 31880), (177, 31889), (178, 31898), (192, 32006), (197, 32027), (200, 32039), (203, 32063), (211, 32105), (234, 32234), (246, 32294), (258, 32351), (264, 32378), (268, 32405), (270, 32408), (273, 32420), (293, 32489), (303, 32528), (313, 32561), (326, 32642), (330, 32657), (334, 32672), (351, 32762), (378, 32876), (409, 32975), (417, 32999),

Gene: HanShotFirst_36 Start: 28972, Stop: 30474, Start Num: 111
Candidate Starts for HanShotFirst_36:
(17, 28735), (18, 28738), (21, 28753), (35, 28816), (Start: 66 @28891 has 28 MA's), (Start: 70 @28897 has 3 MA's), (Start: 72 @28903 has 9 MA's), (Start: 73 @28906 has 10 MA's), (Start: 83 @28921 has 1 MA's), (Start: 111 @28972 has 170 MA's), (Start: 115 @28987 has 10 MA's), (128, 29080), (147, 29191), (149, 29197), (153, 29218), (173, 29335), (175, 29347), (177, 29356), (178, 29365), (189, 29461), (192, 29473), (197, 29494), (200, 29506), (203, 29530), (234, 29701), (246, 29761), (258, 29818), (268, 29872), (273, 29887), (301, 29989), (303, 29995), (313, 30028), (314, 30031), (323, 30094), (330, 30124), (351, 30229), (378, 30343), (409, 30442), (417, 30466),

Gene: HarryOW_37 Start: 29352, Stop: 30854, Start Num: 111
Candidate Starts for HarryOW_37:
(Start: 66 @29271 has 28 MA's), (Start: 70 @29277 has 3 MA's), (Start: 72 @29283 has 9 MA's), (Start: 73 @29286 has 10 MA's), (Start: 111 @29352 has 170 MA's), (147, 29571), (149, 29577), (153, 29598), (175, 29727), (177, 29736), (178, 29745), (192, 29853), (197, 29874), (200, 29886), (203, 29910), (211, 29952), (234, 30081), (246, 30141), (258, 30198), (268, 30252), (273, 30267), (293, 30336), (301, 30369), (303, 30375), (313, 30408), (314, 30411), (326, 30489), (330, 30504), (351, 30609), (378, 30723), (409, 30822), (417, 30846),

Gene: Heftyboy_38 Start: 31463, Stop: 32869, Start Num: 111
Candidate Starts for Heftyboy_38:
(Start: 105 @31454 has 5 MA's), (Start: 111 @31463 has 170 MA's), (132, 31583), (162, 31760), (169, 31784), (176, 31835), (182, 31877), (187, 31925), (190, 31946), (195, 31973), (197, 31982), (202, 32009), (206, 32030), (210, 32048), (214, 32075), (224, 32120), (233, 32126), (253, 32231), (272, 32297), (274, 32306), (282, 32327), (285, 32345), (313, 32453), (315, 32462), (316, 32465), (335, 32561), (337, 32573), (343, 32609), (360, 32681), (363, 32690), (377, 32741), (387, 32780), (392, 32792), (394, 32801), (411, 32831), (415, 32846),

Gene: Hermia_40 Start: 30907, Stop: 32409, Start Num: 111
Candidate Starts for Hermia_40:

(Start: 66 @30826 has 28 MA's), (Start: 70 @30832 has 3 MA's), (Start: 72 @30838 has 9 MA's), (Start: 73 @30841 has 10 MA's), (Start: 83 @30856 has 1 MA's), (Start: 111 @30907 has 170 MA's), (Start: 115 @30922 has 10 MA's), (147, 31126), (149, 31132), (153, 31153), (173, 31270), (175, 31282), (177, 31291), (178, 31300), (189, 31396), (192, 31408), (197, 31429), (200, 31441), (203, 31465), (234, 31636), (246, 31696), (258, 31753), (264, 31780), (268, 31807), (273, 31822), (293, 31891), (303, 31930), (313, 31963), (326, 32044), (330, 32059), (351, 32164), (378, 32278), (409, 32377), (417, 32401),

Gene: HermioneGrange_37 Start: 29320, Stop: 30822, Start Num: 111
Candidate Starts for HermioneGrange_37:
(Start: 66 @29239 has 28 MA's), (Start: 70 @29245 has 3 MA's), (Start: 72 @29251 has 9 MA's), (Start: 73 @29254 has 10 MA's), (Start: 83 @29269 has 1 MA's), (Start: 111 @29320 has 170 MA's), (114, 29332), (149, 29545), (152, 29557), (153, 29566), (159, 29599), (175, 29695), (177, 29704), (178, 29713), (192, 29821), (197, 29842), (200, 29854), (203, 29878), (211, 29920), (234, 30049), (246, 30109), (258, 30166), (264, 30193), (268, 30220), (270, 30223), (273, 30235), (293, 30304), (301, 30337), (303, 30343), (313, 30376), (326, 30457), (330, 30472), (351, 30577), (378, 30691), (409, 30790), (417, 30814),

Gene: Hope4ever_37 Start: 29718, Stop: 31289, Start Num: 72
Candidate Starts for Hope4ever_37:
(Start: 66 @29706 has 28 MA's), (Start: 70 @29712 has 3 MA's), (Start: 72 @29718 has 9 MA's), (Start: 73 @29721 has 10 MA's), (Start: 83 @29736 has 1 MA's), (Start: 111 @29787 has 170 MA's), (Start: 113 @29796 has 16 MA's), (Start: 115 @29802 has 10 MA's), (117, 29811), (147, 30006), (149, 30012), (173, 30150), (175, 30162), (177, 30171), (178, 30180), (192, 30288), (197, 30309), (200, 30321), (203, 30345), (211, 30387), (234, 30516), (246, 30576), (258, 30633), (268, 30687), (270, 30690), (273, 30702), (293, 30771), (303, 30810), (313, 30843), (326, 30924), (330, 30939), (351, 31044), (378, 31158), (409, 31257), (417, 31281),

Gene: Hydra_50 Start: 34719, Stop: 36053, Start Num: 110
Candidate Starts for Hydra_50:
(Start: 110 @34719 has 5 MA's), (Start: 113 @34731 has 16 MA's), (117, 34746), (127, 34833), (Start: 129 @34836 has 1 MA's), (135, 34860), (142, 34902), (145, 34911), (152, 34953), (153, 34962), (155, 34974), (171, 35064), (172, 35073), (177, 35097), (193, 35217), (198, 35223), (219, 35313), (229, 35328), (231, 35337), (239, 35370), (262, 35481), (263, 35487), (274, 35535), (279, 35550), (286, 35565), (306, 35625), (308, 35634), (313, 35649), (328, 35730), (336, 35760), (341, 35790), (351, 35838), (372, 35916), (383, 35964), (385, 35973), (394, 36000), (410, 36039),

Gene: ILeeKay_39 Start: 29491, Stop: 31056, Start Num: 73
Candidate Starts for ILeeKay_39:
(Start: 66 @29476 has 28 MA's), (Start: 70 @29482 has 3 MA's), (Start: 72 @29488 has 9 MA's), (Start: 73 @29491 has 10 MA's), (Start: 83 @29506 has 1 MA's), (Start: 111 @29557 has 170 MA's), (Start: 113 @29566 has 16 MA's), (Start: 115 @29572 has 10 MA's), (117, 29581), (147, 29776), (149, 29782), (175, 29932), (177, 29941), (178, 29950), (192, 30058), (197, 30079), (200, 30091), (203, 30115), (211, 30157), (234, 30286), (246, 30346), (258, 30403), (264, 30430), (268, 30457), (273, 30472), (301, 30571), (313, 30610), (326, 30691), (330, 30706), (351, 30811), (378, 30925), (409, 31024), (417, 31048),

Gene: IPhane7_129 Start: 69256, Stop: 67796, Start Num: 80
Candidate Starts for IPhane7_129:
(Start: 61 @69298 has 1 MA's), (76, 69265), (Start: 80 @69256 has 21 MA's), (117, 69184), (130, 69103), (139, 69061), (142, 69037), (155, 68965), (172, 68848), (182, 68785), (196, 68701), (199, 68689), (206, 68647), (210, 68629), (246, 68467), (250, 68446), (263, 68395), (271, 68368), (279, 68341), (314, 68221), (344, 68071), (363, 67993), (375, 67948), (391, 67891),

Gene: Ichabod_38 Start: 29525, Stop: 31093, Start Num: 73
Candidate Starts for Ichabod_38:
(Start: 66 @29510 has 28 MA's), (Start: 70 @29516 has 3 MA's), (Start: 72 @29522 has 9 MA's), (Start: 73 @29525 has 10 MA's), (Start: 83 @29540 has 1 MA's), (Start: 111 @29591 has 170 MA's), (128, 29699), (147, 29810), (149, 29816), (153, 29837), (175, 29966), (177, 29975), (178, 29984), (192, 30092), (197, 30113), (200, 30125), (203, 30149), (234, 30320), (246, 30380), (258, 30437), (264, 30464), (268, 30491), (273, 30506), (293, 30575), (301, 30608), (303, 30614), (313, 30647), (326, 30728), (330, 30743), (351, 30848), (378, 30962), (409, 31061), (417, 31085),

Gene: IgnatiusPatJac_36 Start: 29287, Stop: 30789, Start Num: 111
Candidate Starts for IgnatiusPatJac_36:
(17, 29050), (18, 29053), (21, 29068), (35, 29131), (Start: 66 @29206 has 28 MA's), (Start: 70 @29212 has 3 MA's), (Start: 72 @29218 has 9 MA's), (Start: 73 @29221 has 10 MA's), (Start: 83 @29236 has 1 MA's), (Start: 111 @29287 has 170 MA's), (Start: 115 @29302 has 10 MA's), (117, 29311), (149, 29512), (152, 29524), (153, 29533), (175, 29662), (177, 29671), (178, 29680), (192, 29788), (197, 29809), (200, 29821), (203, 29845), (211, 29887), (234, 30016), (246, 30076), (258, 30133), (268, 30187), (270, 30190), (273, 30202), (293, 30271), (303, 30310), (313, 30343), (326, 30424), (330, 30439), (351, 30544), (378, 30658), (381, 30670), (409, 30757), (417, 30781),

Gene: Indigo_48 Start: 34063, Stop: 35397, Start Num: 110
Candidate Starts for Indigo_48:
(Start: 110 @34063 has 5 MA's), (Start: 113 @34075 has 16 MA's), (117, 34090), (127, 34177), (Start: 129 @34180 has 1 MA's), (135, 34204), (142, 34246), (145, 34255), (152, 34297), (153, 34306), (155, 34318), (171, 34408), (172, 34417), (177, 34441), (193, 34561), (198, 34567), (219, 34657), (229, 34672), (231, 34681), (239, 34714), (262, 34825), (263, 34831), (274, 34879), (279, 34894), (286, 34909), (306, 34969), (313, 34993), (328, 35074), (336, 35104), (341, 35134), (351, 35182), (372, 35260), (383, 35308), (385, 35317), (394, 35344), (410, 35383),

Gene: InvictusManeo_38 Start: 31499, Stop: 32869, Start Num: 121
Candidate Starts for InvictusManeo_38:
(14, 31172), (27, 31235), (40, 31289), (78, 31376), (Start: 100 @31424 has 7 MA's), (Start: 121 @31499 has 3 MA's), (122, 31511), (142, 31622), (143, 31625), (148, 31658), (153, 31682), (164, 31745), (177, 31820), (221, 32096), (274, 32318), (277, 32330), (296, 32378), (300, 32408), (306, 32429), (313, 32453), (344, 32606), (362, 32687), (365, 32693), (369, 32705), (377, 32741), (379, 32747), (383, 32768), (388, 32783), (390, 32789), (407, 32837), (412, 32846),

Gene: Inyanga_35 Start: 28750, Stop: 30237, Start Num: 115
Candidate Starts for Inyanga_35:
(Start: 66 @28654 has 28 MA's), (Start: 70 @28660 has 3 MA's), (Start: 72 @28666 has 9 MA's), (Start: 73 @28669 has 10 MA's), (Start: 83 @28684 has 1 MA's), (Start: 111 @28735 has 170 MA's), (Start: 115 @28750 has 10 MA's), (149, 28960), (175, 29110), (177, 29119), (178, 29128), (192, 29236), (197, 29257), (200, 29269), (203, 29293), (211, 29335), (232, 29449), (234, 29464), (246, 29524), (258, 29581), (264, 29608), (268, 29635), (273, 29650), (293, 29719), (303, 29758), (313, 29791), (326, 29872), (330, 29887), (378, 30106), (409, 30205), (417, 30229),

Gene: Iqorha_35 Start: 28749, Stop: 30236, Start Num: 115
Candidate Starts for Iqorha_35:
(Start: 66 @28653 has 28 MA's), (Start: 70 @28659 has 3 MA's), (Start: 72 @28665 has 9 MA's), (Start: 73 @28668 has 10 MA's), (Start: 83 @28683 has 1 MA's), (Start: 111 @28734 has 170 MA's), (Start: 115 @28749 has 10 MA's), (149, 28959), (175, 29109), (177, 29118), (178, 29127), (192, 29235), (197, 29256), (200, 29268), (203, 29292), (211, 29334), (232, 29448), (234, 29463), (246, 29523), (258, 29580), (264, 29607), (268, 29634), (273, 29649), (293, 29718), (303, 29757), (313,

29790), (326, 29871), (330, 29886), (378, 30105), (409, 30204), (417, 30228),

Gene: Issmi_53 Start: 37574, Stop: 38995, Start Num: 95
Candidate Starts for Issmi_53:
(Start: 67 @37514 has 3 MA's), (Start: 90 @37565 has 5 MA's), (Start: 95 @37574 has 10 MA's), (142, 37784), (149, 37811), (161, 37877), (175, 37949), (193, 38078), (199, 38087), (205, 38126), (229, 38237), (236, 38273), (242, 38294), (243, 38297), (249, 38336), (252, 38351), (292, 38495), (312, 38579), (338, 38696), (344, 38732), (355, 38786), (356, 38789), (367, 38822), (383, 38888), (400, 38936), (403, 38945), (419, 38984),

Gene: Izel_131 Start: 69072, Stop: 67612, Start Num: 80
Candidate Starts for Izel_131:
(Start: 61 @69114 has 1 MA's), (76, 69081), (Start: 80 @69072 has 21 MA's), (117, 69000), (130, 68919), (139, 68877), (142, 68853), (155, 68781), (172, 68664), (182, 68601), (196, 68517), (199, 68505), (206, 68463), (210, 68445), (246, 68283), (250, 68262), (263, 68211), (271, 68184), (279, 68157), (314, 68037), (344, 67887), (363, 67809), (375, 67764), (391, 67707),

Gene: Izzy_50 Start: 34419, Stop: 35741, Start Num: 113
Candidate Starts for Izzy_50:
(Start: 110 @34407 has 5 MA's), (Start: 113 @34419 has 16 MA's), (117, 34434), (127, 34521), (Start: 129 @34524 has 1 MA's), (135, 34548), (145, 34599), (152, 34641), (153, 34650), (155, 34662), (171, 34752), (172, 34761), (177, 34785), (193, 34905), (198, 34911), (219, 35001), (229, 35016), (231, 35025), (239, 35058), (262, 35169), (263, 35175), (274, 35223), (279, 35238), (286, 35253), (306, 35313), (308, 35322), (313, 35337), (327, 35415), (336, 35448), (341, 35478), (351, 35526), (372, 35604), (383, 35652), (385, 35661), (394, 35688), (410, 35727),

Gene: JC27_38 Start: 29870, Stop: 31372, Start Num: 111
Candidate Starts for JC27_38:
(Start: 66 @29789 has 28 MA's), (Start: 70 @29795 has 3 MA's), (Start: 72 @29801 has 9 MA's), (Start: 73 @29804 has 10 MA's), (Start: 83 @29819 has 1 MA's), (Start: 111 @29870 has 170 MA's), (147, 30089), (149, 30095), (175, 30245), (177, 30254), (178, 30263), (192, 30371), (197, 30392), (200, 30404), (203, 30428), (211, 30470), (234, 30599), (246, 30659), (258, 30716), (264, 30743), (268, 30770), (273, 30785), (293, 30854), (303, 30893), (313, 30926), (326, 31007), (330, 31022), (378, 31241), (409, 31340), (417, 31364),

Gene: JackSparrow_38 Start: 29845, Stop: 31416, Start Num: 72
Candidate Starts for JackSparrow_38:
(Start: 66 @29833 has 28 MA's), (Start: 70 @29839 has 3 MA's), (Start: 72 @29845 has 9 MA's), (Start: 73 @29848 has 10 MA's), (Start: 83 @29863 has 1 MA's), (Start: 111 @29914 has 170 MA's), (117, 29938), (147, 30133), (149, 30139), (175, 30289), (177, 30298), (178, 30307), (192, 30415), (197, 30436), (200, 30448), (203, 30472), (211, 30514), (234, 30643), (246, 30703), (258, 30760), (264, 30787), (268, 30814), (273, 30829), (293, 30898), (303, 30937), (313, 30970), (326, 31051), (330, 31066), (351, 31171), (378, 31285), (409, 31384), (417, 31408),

Gene: Jalammah_42 Start: 32075, Stop: 33466, Start Num: 111
Candidate Starts for Jalammah_42:
(85, 32027), (91, 32045), (Start: 104 @32066 has 1 MA's), (Start: 111 @32075 has 170 MA's), (132, 32195), (147, 32288), (179, 32465), (180, 32471), (183, 32498), (188, 32552), (211, 32669), (247, 32846), (251, 32864), (253, 32873), (266, 32924), (274, 32951), (284, 32966), (302, 33032), (303, 33035), (309, 33056), (310, 33059), (313, 33068), (314, 33071), (322, 33122), (329, 33149), (341, 33206), (349, 33242), (356, 33275), (364, 33302), (379, 33353), (401, 33428),

Gene: Jash_50 Start: 34372, Stop: 35694, Start Num: 113

Candidate Starts for Jash_50:
(Start: 110 @34360 has 5 MA's), (Start: 113 @34372 has 16 MA's), (117, 34387), (127, 34474), (Start: 129 @34477 has 1 MA's), (135, 34501), (145, 34552), (152, 34594), (153, 34603), (155, 34615), (171, 34705), (172, 34714), (177, 34738), (193, 34858), (198, 34864), (219, 34954), (229, 34969), (231, 34978), (239, 35011), (262, 35122), (263, 35128), (274, 35176), (279, 35191), (286, 35206), (306, 35266), (308, 35275), (313, 35290), (327, 35368), (336, 35401), (341, 35431), (351, 35479), (372, 35557), (383, 35605), (385, 35614), (394, 35641), (410, 35680),

Gene: Jasper_38 Start: 29239, Stop: 30741, Start Num: 111
Candidate Starts for Jasper_38:
(Start: 66 @29158 has 28 MA's), (Start: 70 @29164 has 3 MA's), (Start: 72 @29170 has 9 MA's), (Start: 73 @29173 has 10 MA's), (Start: 83 @29188 has 1 MA's), (Start: 111 @29239 has 170 MA's), (Start: 115 @29254 has 10 MA's), (132, 29356), (134, 29374), (137, 29386), (147, 29458), (149, 29464), (152, 29476), (153, 29485), (173, 29602), (175, 29614), (177, 29623), (178, 29632), (189, 29728), (192, 29740), (197, 29761), (200, 29773), (203, 29797), (211, 29839), (234, 29968), (246, 30028), (258, 30085), (268, 30139), (273, 30154), (301, 30256), (303, 30262), (313, 30295), (314, 30298), (318, 30334), (323, 30361), (330, 30391), (378, 30610), (409, 30709), (417, 30733),

Gene: Jerm2_38 Start: 29575, Stop: 31077, Start Num: 111
Candidate Starts for Jerm2_38:
(Start: 66 @29494 has 28 MA's), (Start: 70 @29500 has 3 MA's), (Start: 72 @29506 has 9 MA's), (Start: 73 @29509 has 10 MA's), (Start: 83 @29524 has 1 MA's), (Start: 111 @29575 has 170 MA's), (Start: 115 @29590 has 10 MA's), (149, 29800), (152, 29812), (153, 29821), (159, 29854), (175, 29950), (177, 29959), (178, 29968), (192, 30076), (197, 30097), (200, 30109), (203, 30133), (211, 30175), (234, 30304), (246, 30364), (258, 30421), (264, 30448), (268, 30475), (270, 30478), (273, 30490), (293, 30559), (301, 30592), (303, 30598), (313, 30631), (326, 30712), (330, 30727), (351, 30832), (378, 30946), (409, 31045), (417, 31069),

Gene: Jevington_52 Start: 36147, Stop: 37628, Start Num: 67
Candidate Starts for Jevington_52:
(10, 35931), (24, 36015), (25, 36021), (55, 36123), (Start: 67 @36147 has 3 MA's), (Start: 90 @36198 has 5 MA's), (Start: 95 @36207 has 10 MA's), (142, 36417), (149, 36444), (175, 36582), (193, 36711), (205, 36759), (229, 36870), (231, 36879), (242, 36927), (243, 36930), (249, 36969), (292, 37128), (312, 37212), (338, 37329), (344, 37365), (367, 37455), (370, 37464), (383, 37521), (400, 37569), (403, 37578), (419, 37617),

Gene: Jflix2_51 Start: 35443, Stop: 36906, Start Num: 60
Candidate Starts for Jflix2_51:
(33, 35365), (Start: 60 @35443 has 1 MA's), (68, 35461), (Start: 98 @35521 has 1 MA's), (117, 35566), (Start: 121 @35596 has 3 MA's), (128, 35650), (132, 35659), (135, 35677), (169, 35860), (173, 35893), (182, 35953), (202, 36085), (204, 36097), (210, 36124), (231, 36208), (251, 36310), (252, 36313), (267, 36373), (284, 36412), (297, 36439), (300, 36469), (301, 36475), (306, 36490), (309, 36502), (313, 36514), (321, 36556), (335, 36619), (347, 36679), (355, 36721), (377, 36796), (381, 36808), (383, 36823), (396, 36862),

Gene: Jorgensen_37 Start: 29286, Stop: 30788, Start Num: 111
Candidate Starts for Jorgensen_37:
(Start: 66 @29205 has 28 MA's), (Start: 70 @29211 has 3 MA's), (Start: 72 @29217 has 9 MA's), (Start: 73 @29220 has 10 MA's), (Start: 83 @29235 has 1 MA's), (Start: 111 @29286 has 170 MA's), (Start: 115 @29301 has 10 MA's), (149, 29511), (153, 29532), (175, 29661), (177, 29670), (178, 29679), (192, 29787), (197, 29808), (200, 29820), (203, 29844), (211, 29886), (234, 30015), (246, 30075), (258, 30132), (264, 30159), (268, 30186), (270, 30189), (273, 30201), (301, 30303), (303, 30309), (313, 30342), (318, 30381), (326, 30423), (330, 30438), (378, 30657), (409, 30756), (417,

30780),

Gene: JuJu_41 Start: 31203, Stop: 32594, Start Num: 111
Candidate Starts for JuJu_41:
(91, 31173), (Start: 111 @31203 has 170 MA's), (132, 31323), (162, 31500), (179, 31593), (180, 31599), (183, 31626), (188, 31680), (197, 31722), (211, 31797), (215, 31824), (228, 31875), (242, 31938), (245, 31965), (247, 31974), (251, 31992), (253, 32001), (266, 32052), (274, 32079), (284, 32094), (309, 32184), (313, 32196), (314, 32199), (329, 32277), (341, 32334), (358, 32412), (379, 32481),

Gene: JuliaChild_39 Start: 30024, Stop: 31526, Start Num: 111
Candidate Starts for JuliaChild_39:
(Start: 66 @29943 has 28 MA's), (Start: 70 @29949 has 3 MA's), (Start: 72 @29955 has 9 MA's), (Start: 73 @29958 has 10 MA's), (Start: 83 @29973 has 1 MA's), (Start: 111 @30024 has 170 MA's), (Start: 115 @30039 has 10 MA's), (147, 30243), (149, 30249), (153, 30270), (159, 30303), (175, 30399), (177, 30408), (178, 30417), (191, 30519), (192, 30525), (197, 30546), (200, 30558), (203, 30582), (211, 30624), (234, 30753), (246, 30813), (258, 30870), (264, 30897), (268, 30924), (270, 30927), (273, 30939), (301, 31041), (303, 31047), (313, 31080), (314, 31083), (326, 31161), (330, 31176), (334, 31191), (351, 31281), (378, 31395), (409, 31494), (417, 31518),

Gene: KBG_38 Start: 30500, Stop: 31999, Start Num: 111
Candidate Starts for KBG_38:
(Start: 66 @30419 has 28 MA's), (Start: 70 @30425 has 3 MA's), (Start: 72 @30431 has 9 MA's), (Start: 73 @30434 has 10 MA's), (Start: 83 @30449 has 1 MA's), (Start: 111 @30500 has 170 MA's), (122, 30566), (128, 30608), (147, 30719), (149, 30725), (153, 30746), (175, 30875), (177, 30884), (178, 30893), (179, 30899), (192, 31001), (197, 31022), (200, 31034), (203, 31058), (211, 31100), (234, 31229), (246, 31289), (258, 31346), (264, 31373), (268, 31400), (270, 31403), (273, 31415), (301, 31514), (313, 31553), (314, 31556), (326, 31634), (330, 31649), (378, 31868), (409, 31967), (417, 31991),

Gene: KSSJEB_37 Start: 29202, Stop: 30704, Start Num: 111
Candidate Starts for KSSJEB_37:
(Start: 66 @29121 has 28 MA's), (Start: 70 @29127 has 3 MA's), (Start: 72 @29133 has 9 MA's), (Start: 73 @29136 has 10 MA's), (Start: 83 @29151 has 1 MA's), (Start: 111 @29202 has 170 MA's), (132, 29319), (147, 29421), (149, 29427), (153, 29448), (173, 29565), (175, 29577), (177, 29586), (178, 29595), (192, 29703), (200, 29736), (229, 29904), (234, 29931), (246, 29991), (258, 30048), (264, 30075), (268, 30102), (273, 30117), (293, 30186), (303, 30225), (313, 30258), (323, 30324), (330, 30354), (342, 30417), (351, 30459), (378, 30573), (409, 30672), (417, 30696),

Gene: Kanely_38 Start: 30151, Stop: 31650, Start Num: 115
Candidate Starts for Kanely_38:
(Start: 60 @30046 has 1 MA's), (Start: 86 @30091 has 3 MA's), (Start: 111 @30136 has 170 MA's), (Start: 115 @30151 has 10 MA's), (128, 30244), (147, 30355), (149, 30361), (153, 30382), (175, 30511), (177, 30520), (178, 30529), (192, 30637), (197, 30658), (200, 30670), (203, 30694), (211, 30736), (234, 30865), (246, 30925), (258, 30982), (264, 31009), (268, 31036), (270, 31039), (273, 31051), (293, 31120), (301, 31153), (303, 31159), (313, 31192), (326, 31273), (330, 31288), (351, 31393), (378, 31507),

Gene: KappaFarmDelta_40 Start: 29698, Stop: 31089, Start Num: 111
Candidate Starts for KappaFarmDelta_40:
(Start: 111 @29698 has 170 MA's), (162, 29995), (183, 30121), (188, 30175), (211, 30292), (242, 30433), (247, 30469), (251, 30487), (266, 30547), (274, 30574), (284, 30589), (299, 30625), (302, 30655), (313, 30691), (314, 30694), (329, 30772), (356, 30898), (379, 30976), (383, 30997), (401,

31051),

Gene: Kenmech_40 Start: 30663, Stop: 32255, Start Num: 66
Candidate Starts for Kenmech_40:
(Start: 66 @30663 has 28 MA's), (Start: 70 @30669 has 3 MA's), (Start: 72 @30675 has 9 MA's), (Start: 73 @30678 has 10 MA's), (Start: 83 @30693 has 1 MA's), (Start: 111 @30744 has 170 MA's), (Start: 115 @30759 has 10 MA's), (147, 30963), (149, 30969), (175, 31119), (177, 31128), (178, 31137), (192, 31245), (197, 31266), (200, 31278), (203, 31302), (211, 31344), (232, 31458), (234, 31473), (246, 31533), (258, 31590), (264, 31617), (268, 31644), (273, 31659), (313, 31797), (318, 31836), (326, 31878), (330, 31893), (378, 32112),

Gene: KikiBouba_39 Start: 30731, Stop: 32218, Start Num: 115
Candidate Starts for KikiBouba_39:
(Start: 66 @30635 has 28 MA's), (Start: 70 @30641 has 3 MA's), (Start: 72 @30647 has 9 MA's), (Start: 73 @30650 has 10 MA's), (Start: 83 @30665 has 1 MA's), (Start: 111 @30716 has 170 MA's), (Start: 115 @30731 has 10 MA's), (147, 30935), (149, 30941), (153, 30962), (173, 31079), (175, 31091), (177, 31100), (178, 31109), (189, 31205), (192, 31217), (197, 31238), (200, 31250), (203, 31274), (234, 31445), (246, 31505), (258, 31562), (264, 31589), (268, 31616), (273, 31631), (293, 31700), (303, 31739), (313, 31772), (326, 31853), (330, 31868), (351, 31973), (378, 32087), (409, 32186), (417, 32210),

Gene: Killigrew_35 Start: 28933, Stop: 30432, Start Num: 115
Candidate Starts for Killigrew_35:
(Start: 66 @28837 has 28 MA's), (Start: 70 @28843 has 3 MA's), (Start: 72 @28849 has 9 MA's), (Start: 73 @28852 has 10 MA's), (Start: 83 @28867 has 1 MA's), (Start: 111 @28918 has 170 MA's), (Start: 115 @28933 has 10 MA's), (128, 29026), (147, 29137), (149, 29143), (153, 29164), (175, 29293), (177, 29302), (178, 29311), (179, 29317), (189, 29407), (192, 29419), (200, 29452), (234, 29647), (246, 29707), (258, 29764), (264, 29791), (268, 29818), (273, 29833), (301, 29935), (303, 29941), (313, 29974), (314, 29977), (326, 30055), (330, 30070), (378, 30289),

Gene: KittenMittens_32 Start: 23842, Stop: 25497, Start Num: 101
Candidate Starts for KittenMittens_32:
(Start: 83 @23803 has 1 MA's), (Start: 101 @23842 has 3 MA's), (Start: 108 @23851 has 3 MA's), (Start: 113 @23869 has 16 MA's), (118, 23893), (128, 23968), (132, 23977), (134, 23995), (147, 24079), (155, 24118), (172, 24220), (177, 24244), (178, 24253), (189, 24349), (197, 24385), (204, 24424), (206, 24433), (208, 24436), (226, 24553), (232, 24574), (234, 24589), (238, 24601), (245, 24649), (253, 24694), (268, 24766), (276, 24790), (303, 24910), (308, 24928), (309, 24931), (310, 24934), (337, 25069), (378, 25258), (405, 25351), (417, 25381), (420, 25405), (423, 25453), (425, 25471),

Gene: KleverKiS_134 Start: 70309, Stop: 68849, Start Num: 80
Candidate Starts for KleverKiS_134:
(Start: 61 @70351 has 1 MA's), (76, 70318), (Start: 80 @70309 has 21 MA's), (117, 70237), (130, 70156), (139, 70114), (142, 70090), (155, 70018), (172, 69901), (182, 69838), (196, 69754), (199, 69742), (206, 69700), (210, 69682), (246, 69520), (250, 69499), (263, 69448), (271, 69421), (279, 69394), (314, 69274), (344, 69124), (363, 69046), (375, 69001), (391, 68944),

Gene: Kratio_37 Start: 30972, Stop: 32417, Start Num: 100
Candidate Starts for Kratio_37:
(14, 30720), (27, 30783), (40, 30837), (78, 30924), (Start: 100 @30972 has 7 MA's), (Start: 121 @31047 has 3 MA's), (122, 31059), (142, 31170), (143, 31173), (148, 31206), (153, 31230), (164, 31293), (177, 31368), (221, 31644), (274, 31866), (277, 31878), (296, 31926), (300, 31956), (306, 31977), (313, 32001), (344, 32154), (362, 32235), (365, 32241), (369, 32253), (377, 32289), (379,

32295), (382, 32313), (383, 32316), (388, 32331), (390, 32337), (407, 32385), (412, 32394),

Gene: Kugel_38 Start: 29732, Stop: 31234, Start Num: 111
Candidate Starts for Kugel_38:
(Start: 66 @29651 has 28 MA's), (Start: 70 @29657 has 3 MA's), (Start: 72 @29663 has 9 MA's), (Start: 73 @29666 has 10 MA's), (Start: 83 @29681 has 1 MA's), (Start: 111 @29732 has 170 MA's), (147, 29951), (149, 29957), (153, 29978), (173, 30095), (175, 30107), (177, 30116), (178, 30125), (192, 30233), (197, 30254), (200, 30266), (203, 30290), (211, 30332), (234, 30461), (246, 30521), (258, 30578), (268, 30632), (273, 30647), (303, 30755), (313, 30788), (326, 30869), (330, 30884), (351, 30989), (378, 31103), (381, 31115), (409, 31202), (417, 31226),

Gene: Kumao_96 Start: 59042, Stop: 60475, Start Num: 102
Candidate Starts for Kumao_96:
(56, 58946), (88, 59015), (96, 59033), (Start: 102 @59042 has 1 MA's), (114, 59066), (136, 59189), (142, 59231), (156, 59312), (174, 59414), (177, 59426), (179, 59441), (184, 59486), (206, 59609), (209, 59621), (232, 59714), (239, 59744), (252, 59816), (254, 59825), (279, 59915), (282, 59921), (283, 59927), (308, 60035), (309, 60038), (312, 60047), (313, 60050), (335, 60155), (344, 60206), (356, 60263), (357, 60269), (364, 60287), (367, 60296), (370, 60305), (377, 60335), (379, 60341), (391, 60380),

Gene: KyMonks1A_40 Start: 29951, Stop: 31453, Start Num: 111
Candidate Starts for KyMonks1A_40:
(Start: 66 @29870 has 28 MA's), (Start: 70 @29876 has 3 MA's), (Start: 72 @29882 has 9 MA's), (Start: 73 @29885 has 10 MA's), (Start: 83 @29900 has 1 MA's), (Start: 111 @29951 has 170 MA's), (147, 30170), (149, 30176), (153, 30197), (175, 30326), (177, 30335), (178, 30344), (192, 30452), (197, 30473), (200, 30485), (203, 30509), (211, 30551), (234, 30680), (246, 30740), (258, 30797), (264, 30824), (268, 30851), (273, 30866), (301, 30968), (303, 30974), (313, 31007), (326, 31088), (330, 31103), (378, 31322), (409, 31421), (417, 31445),

Gene: Kykar_36 Start: 28846, Stop: 30429, Start Num: 66
Candidate Starts for Kykar_36:
(Start: 66 @28846 has 28 MA's), (Start: 70 @28852 has 3 MA's), (Start: 72 @28858 has 9 MA's), (Start: 73 @28861 has 10 MA's), (Start: 83 @28876 has 1 MA's), (Start: 111 @28927 has 170 MA's), (Start: 115 @28942 has 10 MA's), (147, 29146), (149, 29152), (153, 29173), (173, 29290), (175, 29302), (177, 29311), (178, 29320), (192, 29428), (197, 29449), (200, 29461), (203, 29485), (211, 29527), (234, 29656), (246, 29716), (258, 29773), (264, 29800), (268, 29827), (270, 29830), (273, 29842), (303, 29950), (313, 29983), (326, 30064), (330, 30079), (351, 30184), (378, 30298), (409, 30397), (417, 30421),

Gene: Lamina13_37 Start: 29040, Stop: 30542, Start Num: 111
Candidate Starts for Lamina13_37:
(Start: 66 @28959 has 28 MA's), (Start: 70 @28965 has 3 MA's), (Start: 72 @28971 has 9 MA's), (Start: 73 @28974 has 10 MA's), (Start: 83 @28989 has 1 MA's), (Start: 111 @29040 has 170 MA's), (Start: 115 @29055 has 10 MA's), (117, 29064), (149, 29265), (175, 29415), (177, 29424), (178, 29433), (189, 29529), (192, 29541), (197, 29562), (200, 29574), (203, 29598), (211, 29640), (234, 29769), (246, 29829), (258, 29886), (268, 29940), (273, 29955), (303, 30063), (313, 30096), (326, 30177), (330, 30192), (351, 30297), (378, 30411), (409, 30510), (417, 30534),

Gene: Larva_39 Start: 31141, Stop: 32586, Start Num: 100
Candidate Starts for Larva_39:
(30, 30970), (40, 31006), (78, 31093), (Start: 100 @31141 has 7 MA's), (Start: 121 @31216 has 3 MA's), (122, 31228), (142, 31339), (143, 31342), (148, 31375), (153, 31399), (164, 31462), (177, 31537), (221, 31813), (274, 32035), (277, 32047), (296, 32095), (300, 32125), (306, 32146), (313,

32170), (344, 32323), (362, 32404), (365, 32410), (369, 32422), (377, 32458), (379, 32464), (382, 32482), (383, 32485), (388, 32500), (390, 32506), (407, 32554), (412, 32563),

Gene: LastHope_43 Start: 31352, Stop: 32743, Start Num: 113
Candidate Starts for LastHope_43:
(Start: 98 @31322 has 1 MA's), (Start: 103 @31331 has 1 MA's), (Start: 113 @31352 has 16 MA's), (123, 31424), (135, 31481), (142, 31523), (143, 31526), (147, 31556), (149, 31562), (162, 31634), (182, 31757), (193, 31835), (202, 31865), (211, 31913), (215, 31940), (229, 31982), (231, 31991), (236, 32018), (246, 32066), (255, 32102), (257, 32111), (261, 32129), (275, 32183), (278, 32195), (289, 32225), (300, 32285), (307, 32312), (309, 32318), (312, 32327), (313, 32330), (316, 32342), (317, 32360), (331, 32417), (347, 32492), (350, 32507), (354, 32534), (377, 32609), (390, 32654), (391, 32657), (410, 32708), (417, 32732), (418, 32738),

Gene: Legacy_48 Start: 34174, Stop: 35496, Start Num: 113
Candidate Starts for Legacy_48:
(Start: 110 @34162 has 5 MA's), (Start: 113 @34174 has 16 MA's), (117, 34189), (127, 34276), (Start: 129 @34279 has 1 MA's), (135, 34303), (142, 34345), (145, 34354), (152, 34396), (153, 34405), (155, 34417), (171, 34507), (172, 34516), (177, 34540), (193, 34660), (198, 34666), (219, 34756), (229, 34771), (231, 34780), (239, 34813), (262, 34924), (263, 34930), (274, 34978), (279, 34993), (286, 35008), (306, 35068), (308, 35077), (313, 35092), (327, 35170), (336, 35203), (341, 35233), (351, 35281), (372, 35359), (383, 35407), (385, 35416), (394, 35443), (410, 35482),

Gene: Lesedi_36 Start: 29315, Stop: 30817, Start Num: 111
Candidate Starts for Lesedi_36:
(Start: 66 @29234 has 28 MA's), (Start: 70 @29240 has 3 MA's), (Start: 72 @29246 has 9 MA's), (Start: 73 @29249 has 10 MA's), (Start: 83 @29264 has 1 MA's), (Start: 111 @29315 has 170 MA's), (147, 29534), (149, 29540), (153, 29561), (175, 29690), (177, 29699), (178, 29708), (192, 29816), (197, 29837), (200, 29849), (203, 29873), (211, 29915), (234, 30044), (246, 30104), (258, 30161), (268, 30215), (273, 30230), (303, 30338), (313, 30371), (326, 30452), (330, 30467), (351, 30572), (378, 30686), (409, 30785), (417, 30809),

Gene: Leston_38 Start: 31447, Stop: 32853, Start Num: 111
Candidate Starts for Leston_38:
(Start: 105 @31438 has 5 MA's), (Start: 111 @31447 has 170 MA's), (132, 31567), (162, 31744), (169, 31768), (176, 31819), (182, 31861), (187, 31909), (190, 31930), (195, 31957), (197, 31966), (202, 31993), (206, 32014), (210, 32032), (214, 32059), (224, 32104), (233, 32110), (253, 32215), (272, 32281), (274, 32290), (282, 32311), (285, 32329), (315, 32446), (316, 32449), (337, 32557), (343, 32593), (360, 32665), (363, 32674), (377, 32725), (387, 32764), (392, 32776), (394, 32785), (411, 32815), (415, 32830),

Gene: Levia_34 Start: 29230, Stop: 30810, Start Num: 73
Candidate Starts for Levia_34:
(Start: 66 @29215 has 28 MA's), (Start: 70 @29221 has 3 MA's), (Start: 72 @29227 has 9 MA's), (Start: 73 @29230 has 10 MA's), (Start: 83 @29245 has 1 MA's), (Start: 111 @29296 has 170 MA's), (Start: 115 @29311 has 10 MA's), (147, 29515), (149, 29521), (153, 29542), (173, 29659), (175, 29671), (177, 29680), (178, 29689), (189, 29785), (192, 29797), (197, 29818), (200, 29830), (203, 29854), (234, 30025), (246, 30085), (258, 30142), (264, 30169), (268, 30196), (270, 30199), (273, 30211), (303, 30319), (326, 30433), (330, 30448), (378, 30667),

Gene: Leviticus_49 Start: 34067, Stop: 35401, Start Num: 110
Candidate Starts for Leviticus_49:
(Start: 110 @34067 has 5 MA's), (Start: 113 @34079 has 16 MA's), (117, 34094), (127, 34181), (Start: 129 @34184 has 1 MA's), (135, 34208), (142, 34250), (145, 34259), (152, 34301), (153, 34310), (155,

34322), (171, 34412), (172, 34421), (177, 34445), (193, 34565), (198, 34571), (219, 34661), (229, 34676), (231, 34685), (239, 34718), (262, 34829), (263, 34835), (274, 34883), (279, 34898), (286, 34913), (306, 34973), (313, 34997), (328, 35078), (336, 35108), (341, 35138), (351, 35186), (372, 35264), (383, 35312), (385, 35321), (394, 35348), (410, 35387),

Gene: Licorice_39 Start: 30385, Stop: 31887, Start Num: 111
Candidate Starts for Licorice_39:
(Start: 66 @30304 has 28 MA's), (Start: 70 @30310 has 3 MA's), (Start: 72 @30316 has 9 MA's), (Start: 73 @30319 has 10 MA's), (Start: 83 @30334 has 1 MA's), (Start: 111 @30385 has 170 MA's), (149, 30610), (175, 30760), (177, 30769), (178, 30778), (192, 30886), (197, 30907), (200, 30919), (203, 30943), (211, 30985), (234, 31114), (246, 31174), (258, 31231), (264, 31258), (268, 31285), (273, 31300), (293, 31369), (303, 31408), (313, 31441), (326, 31522), (330, 31537), (378, 31756), (409, 31855), (417, 31879),

Gene: LilBib_37 Start: 30176, Stop: 31678, Start Num: 111
Candidate Starts for LilBib_37:
(Start: 66 @30095 has 28 MA's), (Start: 70 @30101 has 3 MA's), (Start: 72 @30107 has 9 MA's), (Start: 73 @30110 has 10 MA's), (Start: 83 @30125 has 1 MA's), (Start: 111 @30176 has 170 MA's), (Start: 115 @30191 has 10 MA's), (147, 30395), (149, 30401), (152, 30413), (153, 30422), (175, 30551), (177, 30560), (178, 30569), (192, 30677), (200, 30710), (203, 30734), (211, 30776), (234, 30905), (246, 30965), (258, 31022), (264, 31049), (268, 31076), (273, 31091), (303, 31199), (313, 31232), (326, 31313), (330, 31328), (351, 31433), (378, 31547), (409, 31646), (417, 31670),

Gene: LilDirt_38 Start: 31257, Stop: 32627, Start Num: 121
Candidate Starts for LilDirt_38:
(14, 30930), (27, 30993), (40, 31047), (78, 31134), (Start: 100 @31182 has 7 MA's), (Start: 121 @31257 has 3 MA's), (122, 31269), (142, 31380), (143, 31383), (148, 31416), (153, 31440), (164, 31503), (177, 31578), (221, 31854), (274, 32076), (277, 32088), (296, 32136), (300, 32166), (306, 32187), (313, 32211), (344, 32364), (362, 32445), (365, 32451), (369, 32463), (377, 32499), (379, 32505), (383, 32526), (388, 32541), (390, 32547), (407, 32595), (412, 32604),

Gene: LilhomieP_131 Start: 70102, Stop: 68642, Start Num: 80
Candidate Starts for LilhomieP_131:
(Start: 61 @70144 has 1 MA's), (76, 70111), (Start: 80 @70102 has 21 MA's), (117, 70030), (130, 69949), (139, 69907), (142, 69883), (155, 69811), (172, 69694), (182, 69631), (196, 69547), (199, 69535), (206, 69493), (210, 69475), (246, 69313), (250, 69292), (263, 69241), (271, 69214), (279, 69187), (314, 69067), (344, 68917), (363, 68839), (375, 68794), (391, 68737),

Gene: Lockley_38 Start: 29430, Stop: 30932, Start Num: 111
Candidate Starts for Lockley_38:
(Start: 66 @29349 has 28 MA's), (Start: 70 @29355 has 3 MA's), (Start: 72 @29361 has 9 MA's), (Start: 73 @29364 has 10 MA's), (Start: 83 @29379 has 1 MA's), (Start: 111 @29430 has 170 MA's), (Start: 113 @29439 has 16 MA's), (Start: 115 @29445 has 10 MA's), (117, 29454), (147, 29649), (149, 29655), (153, 29676), (173, 29793), (175, 29805), (177, 29814), (178, 29823), (192, 29931), (197, 29952), (200, 29964), (203, 29988), (211, 30030), (234, 30159), (246, 30219), (258, 30276), (268, 30330), (273, 30345), (301, 30447), (303, 30453), (326, 30567), (330, 30582), (378, 30801), (409, 30900), (417, 30924),

Gene: Loofah_55 Start: 37744, Stop: 39162, Start Num: 95
Candidate Starts for Loofah_55:
(Start: 95 @37744 has 10 MA's), (96, 37747), (Start: 125 @37873 has 1 MA's), (127, 37879), (142, 37951), (144, 37957), (158, 38029), (166, 38059), (167, 38062), (175, 38116), (193, 38245), (199, 38254), (205, 38293), (216, 38368), (229, 38404), (231, 38413), (243, 38464), (312, 38746), (326,

38815), (344, 38899), (367, 38989), (370, 38998), (383, 39055), (403, 39112), (408, 39118), (419, 39151),

Gene: Lopton_38 Start: 30822, Stop: 32324, Start Num: 111
Candidate Starts for Lopton_38:
(Start: 66 @30741 has 28 MA's), (Start: 70 @30747 has 3 MA's), (Start: 72 @30753 has 9 MA's), (Start: 73 @30756 has 10 MA's), (Start: 83 @30771 has 1 MA's), (Start: 111 @30822 has 170 MA's), (132, 30939), (147, 31041), (149, 31047), (153, 31068), (173, 31185), (175, 31197), (177, 31206), (178, 31215), (192, 31323), (197, 31344), (200, 31356), (203, 31380), (211, 31422), (234, 31551), (246, 31611), (258, 31668), (264, 31695), (268, 31722), (270, 31725), (273, 31737), (293, 31806), (303, 31845), (313, 31878), (326, 31959), (330, 31974), (351, 32079), (378, 32193), (409, 32292), (417, 32316),

Gene: LunarLander_38 Start: 29509, Stop: 31008, Start Num: 111
Candidate Starts for LunarLander_38:
(Start: 66 @29428 has 28 MA's), (Start: 70 @29434 has 3 MA's), (Start: 72 @29440 has 9 MA's), (Start: 73 @29443 has 10 MA's), (Start: 83 @29458 has 1 MA's), (Start: 111 @29509 has 170 MA's), (147, 29728), (149, 29734), (153, 29755), (175, 29884), (177, 29893), (178, 29902), (192, 30010), (197, 30031), (200, 30043), (203, 30067), (211, 30109), (234, 30238), (246, 30298), (258, 30355), (264, 30382), (268, 30409), (270, 30412), (273, 30424), (301, 30523), (313, 30562), (326, 30643), (330, 30658), (351, 30763), (378, 30877), (409, 30976), (417, 31000),

Gene: Lysidious_38 Start: 30792, Stop: 32183, Start Num: 111
Candidate Starts for Lysidious_38:
(41, 30651), (50, 30678), (91, 30762), (Start: 104 @30783 has 1 MA's), (Start: 111 @30792 has 170 MA's), (Start: 121 @30849 has 3 MA's), (132, 30912), (147, 31005), (162, 31089), (163, 31092), (179, 31182), (180, 31188), (183, 31215), (188, 31269), (211, 31386), (228, 31464), (251, 31581), (253, 31590), (266, 31641), (274, 31668), (284, 31683), (302, 31749), (303, 31752), (309, 31773), (313, 31785), (314, 31788), (329, 31866), (341, 31923), (356, 31992), (358, 32001), (364, 32019), (379, 32070),

Gene: MPlant7149_37 Start: 29019, Stop: 30602, Start Num: 66
Candidate Starts for MPlant7149_37:
(Start: 66 @29019 has 28 MA's), (Start: 70 @29025 has 3 MA's), (Start: 72 @29031 has 9 MA's), (Start: 73 @29034 has 10 MA's), (Start: 83 @29049 has 1 MA's), (Start: 111 @29100 has 170 MA's), (128, 29208), (147, 29319), (149, 29325), (152, 29337), (153, 29346), (159, 29379), (173, 29463), (175, 29475), (177, 29484), (178, 29493), (192, 29601), (197, 29622), (200, 29634), (203, 29658), (211, 29700), (234, 29829), (246, 29889), (258, 29946), (264, 29973), (266, 29988), (267, 29991), (268, 30000), (270, 30003), (273, 30015), (293, 30084), (303, 30123), (313, 30156), (326, 30237), (330, 30252), (351, 30357), (378, 30471), (409, 30570), (417, 30594),

Gene: Madraxi_55 Start: 38153, Stop: 39541, Start Num: 98
Candidate Starts for Madraxi_55:
(Start: 60 @38075 has 1 MA's), (65, 38084), (Start: 98 @38153 has 1 MA's), (117, 38198), (Start: 121 @38228 has 3 MA's), (128, 38282), (132, 38291), (135, 38309), (169, 38492), (173, 38525), (182, 38585), (202, 38717), (204, 38729), (210, 38756), (231, 38840), (251, 38942), (252, 38945), (267, 39005), (284, 39044), (297, 39071), (300, 39101), (301, 39107), (306, 39122), (313, 39146), (321, 39188), (335, 39251), (346, 39311), (347, 39314), (377, 39431), (383, 39458), (385, 39467), (396, 39497),

Gene: Magnar_37 Start: 29288, Stop: 30790, Start Num: 111
Candidate Starts for Magnar_37:

(Start: 66 @29207 has 28 MA's), (Start: 70 @29213 has 3 MA's), (Start: 72 @29219 has 9 MA's), (Start: 73 @29222 has 10 MA's), (Start: 83 @29237 has 1 MA's), (Start: 111 @29288 has 170 MA's), (Start: 115 @29303 has 10 MA's), (147, 29507), (149, 29513), (152, 29525), (153, 29534), (173, 29651), (175, 29663), (177, 29672), (178, 29681), (192, 29789), (197, 29810), (200, 29822), (203, 29846), (211, 29888), (234, 30017), (246, 30077), (258, 30134), (264, 30161), (268, 30188), (270, 30191), (273, 30203), (293, 30272), (303, 30311), (313, 30344), (326, 30425), (330, 30440), (351, 30545), (378, 30659), (409, 30758), (417, 30782),

Gene: Magnito_36 Start: 29012, Stop: 30595, Start Num: 66
Candidate Starts for Magnito_36:
(Start: 66 @29012 has 28 MA's), (Start: 70 @29018 has 3 MA's), (Start: 72 @29024 has 9 MA's), (Start: 73 @29027 has 10 MA's), (Start: 83 @29042 has 1 MA's), (Start: 111 @29093 has 170 MA's), (147, 29312), (149, 29318), (153, 29339), (175, 29468), (177, 29477), (178, 29486), (192, 29594), (197, 29615), (200, 29627), (203, 29651), (211, 29693), (234, 29822), (246, 29882), (258, 29939), (268, 29993), (270, 29996), (273, 30008), (303, 30116), (313, 30149), (314, 30152), (326, 30230), (330, 30245), (351, 30350), (353, 30365), (378, 30464), (409, 30563), (417, 30587),

Gene: Makemake_38 Start: 30742, Stop: 32256, Start Num: 111
Candidate Starts for Makemake_38:
(Start: 66 @30661 has 28 MA's), (Start: 70 @30667 has 3 MA's), (Start: 72 @30673 has 9 MA's), (Start: 73 @30676 has 10 MA's), (Start: 83 @30691 has 1 MA's), (Start: 111 @30742 has 170 MA's), (Start: 115 @30757 has 10 MA's), (147, 30961), (149, 30967), (153, 30988), (173, 31105), (175, 31117), (177, 31126), (178, 31135), (179, 31141), (189, 31231), (192, 31243), (200, 31276), (234, 31471), (243, 31504), (246, 31531), (258, 31588), (268, 31642), (273, 31657), (303, 31765), (313, 31798), (326, 31879), (330, 31894), (378, 32113),

Gene: Malachai_38 Start: 31872, Stop: 33263, Start Num: 111
Candidate Starts for Malachai_38:
(69, 31794), (85, 31824), (91, 31842), (Start: 111 @31872 has 170 MA's), (132, 31992), (147, 32085), (179, 32262), (180, 32268), (183, 32295), (188, 32349), (211, 32466), (228, 32544), (266, 32721), (274, 32748), (284, 32763), (302, 32829), (303, 32832), (309, 32853), (310, 32856), (313, 32865), (314, 32868), (329, 32946), (332, 32955), (341, 33003), (356, 33072), (358, 33081), (364, 33099), (377, 33144), (379, 33150), (383, 33171), (401, 33225),

Gene: MalagasyRose_41 Start: 30932, Stop: 32326, Start Num: 111
Candidate Starts for MalagasyRose_41:
(Start: 111 @30932 has 170 MA's), (117, 30956), (124, 31019), (132, 31052), (147, 31145), (148, 31148), (149, 31151), (157, 31196), (162, 31229), (163, 31232), (170, 31262), (176, 31304), (182, 31346), (187, 31394), (190, 31415), (197, 31451), (202, 31478), (211, 31526), (266, 31748), (267, 31751), (272, 31766), (274, 31775), (282, 31796), (285, 31814), (300, 31877), (313, 31922), (329, 32006), (343, 32075), (347, 32087), (363, 32156), (364, 32159), (367, 32168), (373, 32189), (374, 32195), (378, 32210), (390, 32255), (392, 32261), (394, 32270), (411, 32300),

Gene: Manatee_38 Start: 29063, Stop: 30628, Start Num: 73
Candidate Starts for Manatee_38:
(Start: 66 @29048 has 28 MA's), (Start: 70 @29054 has 3 MA's), (Start: 72 @29060 has 9 MA's), (Start: 73 @29063 has 10 MA's), (Start: 83 @29078 has 1 MA's), (Start: 111 @29129 has 170 MA's), (147, 29348), (149, 29354), (153, 29375), (173, 29492), (175, 29504), (177, 29513), (178, 29522), (179, 29528), (189, 29618), (192, 29630), (197, 29651), (200, 29663), (203, 29687), (211, 29729), (234, 29858), (246, 29918), (258, 29975), (260, 29990), (268, 30029), (273, 30044), (313, 30182), (318, 30221), (323, 30248), (330, 30278), (378, 30497), (409, 30596), (417, 30620),

Gene: Marav_53 Start: 36467, Stop: 37948, Start Num: 67

Candidate Starts for Marav_53:
(10, 36248), (23, 36326), (29, 36368), (35, 36386), (55, 36443), (Start: 67 @36467 has 3 MA's), (Start: 90 @36518 has 5 MA's), (Start: 95 @36527 has 10 MA's), (Start: 125 @36659 has 1 MA's), (142, 36737), (158, 36815), (167, 36848), (175, 36902), (193, 37031), (205, 37079), (229, 37190), (231, 37199), (242, 37247), (243, 37250), (249, 37289), (292, 37448), (312, 37532), (338, 37649), (344, 37685), (367, 37775), (370, 37784), (383, 37841), (400, 37889), (403, 37898), (419, 37937),

Gene: Marcell_37 Start: 29790, Stop: 31292, Start Num: 111
Candidate Starts for Marcell_37:
(Start: 66 @29709 has 28 MA's), (Start: 70 @29715 has 3 MA's), (Start: 73 @29724 has 10 MA's), (Start: 83 @29739 has 1 MA's), (Start: 111 @29790 has 170 MA's), (147, 30009), (149, 30015), (153, 30036), (159, 30069), (175, 30165), (177, 30174), (178, 30183), (192, 30291), (197, 30312), (200, 30324), (203, 30348), (211, 30390), (234, 30519), (246, 30579), (258, 30636), (268, 30690), (270, 30693), (273, 30705), (303, 30813), (313, 30846), (326, 30927), (330, 30942), (351, 31047), (378, 31161), (409, 31260), (417, 31284),

Gene: Marchy_32 Start: 26377, Stop: 27891, Start Num: 111
Candidate Starts for Marchy_32:
(Start: 66 @26296 has 28 MA's), (Start: 70 @26302 has 3 MA's), (Start: 72 @26308 has 9 MA's), (Start: 73 @26311 has 10 MA's), (Start: 83 @26326 has 1 MA's), (Start: 111 @26377 has 170 MA's), (147, 26596), (149, 26602), (153, 26623), (175, 26752), (177, 26761), (178, 26770), (189, 26866), (192, 26878), (200, 26911), (206, 26947), (234, 27106), (246, 27166), (258, 27223), (268, 27277), (273, 27292), (303, 27400), (318, 27472), (326, 27514), (330, 27529), (378, 27748),

Gene: Marco3_37 Start: 29594, Stop: 31177, Start Num: 66
Candidate Starts for Marco3_37:
(Start: 66 @29594 has 28 MA's), (Start: 70 @29600 has 3 MA's), (Start: 72 @29606 has 9 MA's), (Start: 73 @29609 has 10 MA's), (Start: 83 @29624 has 1 MA's), (Start: 111 @29675 has 170 MA's), (128, 29783), (147, 29894), (149, 29900), (153, 29921), (173, 30038), (175, 30050), (177, 30059), (178, 30068), (192, 30176), (197, 30197), (200, 30209), (203, 30233), (211, 30275), (234, 30404), (246, 30464), (258, 30521), (268, 30575), (270, 30578), (273, 30590), (303, 30698), (313, 30731), (326, 30812), (330, 30827), (351, 30932), (378, 31046), (409, 31145), (417, 31169),

Gene: Marge_38 Start: 30106, Stop: 31677, Start Num: 72
Candidate Starts for Marge_38:
(Start: 70 @30100 has 3 MA's), (Start: 72 @30106 has 9 MA's), (Start: 73 @30109 has 10 MA's), (Start: 83 @30124 has 1 MA's), (Start: 111 @30175 has 170 MA's), (147, 30394), (149, 30400), (153, 30421), (175, 30550), (177, 30559), (178, 30568), (192, 30676), (197, 30697), (200, 30709), (203, 30733), (211, 30775), (234, 30904), (246, 30964), (258, 31021), (264, 31048), (268, 31075), (270, 31078), (273, 31090), (293, 31159), (303, 31198), (313, 31231), (326, 31312), (330, 31327), (351, 31432), (378, 31546), (409, 31645), (417, 31669),

Gene: Maroc7_37 Start: 29274, Stop: 30776, Start Num: 111
Candidate Starts for Maroc7_37:
(Start: 66 @29193 has 28 MA's), (Start: 70 @29199 has 3 MA's), (Start: 72 @29205 has 9 MA's), (Start: 73 @29208 has 10 MA's), (Start: 83 @29223 has 1 MA's), (Start: 111 @29274 has 170 MA's), (Start: 115 @29289 has 10 MA's), (147, 29493), (149, 29499), (175, 29649), (177, 29658), (178, 29667), (192, 29775), (197, 29796), (200, 29808), (203, 29832), (211, 29874), (234, 30003), (246, 30063), (258, 30120), (264, 30147), (268, 30174), (270, 30177), (273, 30189), (293, 30258), (301, 30291), (303, 30297), (313, 30330), (326, 30411), (330, 30426), (351, 30531), (378, 30645), (409, 30744), (417, 30768),

Gene: Marsha_37 Start: 30335, Stop: 31873, Start Num: 111

Candidate Starts for Marsha_37:
(Start: 66 @30254 has 28 MA's), (Start: 70 @30260 has 3 MA's), (Start: 72 @30266 has 9 MA's), (Start: 73 @30269 has 10 MA's), (Start: 83 @30284 has 1 MA's), (Start: 111 @30335 has 170 MA's), (147, 30554), (149, 30560), (175, 30710), (177, 30719), (178, 30728), (179, 30734), (192, 30836), (200, 30869), (206, 30905), (234, 31064), (246, 31124), (258, 31181), (264, 31208), (268, 31235), (273, 31250), (301, 31352), (303, 31358), (313, 31391), (314, 31394), (326, 31472), (330, 31487), (378, 31706),

Gene: MaryBeth_37 Start: 29595, Stop: 31097, Start Num: 111
Candidate Starts for MaryBeth_37:
(Start: 66 @29514 has 28 MA's), (Start: 70 @29520 has 3 MA's), (Start: 72 @29526 has 9 MA's), (Start: 73 @29529 has 10 MA's), (Start: 83 @29544 has 1 MA's), (Start: 111 @29595 has 170 MA's), (Start: 115 @29610 has 10 MA's), (147, 29814), (149, 29820), (152, 29832), (153, 29841), (175, 29970), (177, 29979), (178, 29988), (192, 30096), (197, 30117), (200, 30129), (203, 30153), (211, 30195), (234, 30324), (246, 30384), (258, 30441), (264, 30468), (268, 30495), (270, 30498), (273, 30510), (303, 30618), (313, 30651), (326, 30732), (330, 30747), (351, 30852), (378, 30966), (409, 31065), (417, 31089),

Gene: McGuire_38 Start: 29330, Stop: 30922, Start Num: 58
Candidate Starts for McGuire_38:
(Start: 58 @29330 has 1 MA's), (Start: 86 @29375 has 3 MA's), (Start: 111 @29420 has 170 MA's), (Start: 115 @29435 has 10 MA's), (117, 29444), (132, 29537), (147, 29639), (149, 29645), (153, 29666), (173, 29783), (175, 29795), (177, 29804), (178, 29813), (192, 29921), (197, 29942), (200, 29954), (203, 29978), (211, 30020), (234, 30149), (246, 30209), (258, 30266), (264, 30293), (268, 30320), (270, 30323), (273, 30335), (293, 30404), (301, 30437), (303, 30443), (313, 30476), (326, 30557), (330, 30572), (351, 30677), (378, 30791), (409, 30890), (417, 30914),

Gene: McSinger_38 Start: 29906, Stop: 31483, Start Num: 70
Candidate Starts for McSinger_38:
(Start: 66 @29900 has 28 MA's), (Start: 70 @29906 has 3 MA's), (Start: 72 @29912 has 9 MA's), (Start: 73 @29915 has 10 MA's), (Start: 83 @29930 has 1 MA's), (Start: 111 @29981 has 170 MA's), (147, 30200), (149, 30206), (175, 30356), (177, 30365), (178, 30374), (192, 30482), (197, 30503), (200, 30515), (203, 30539), (211, 30581), (234, 30710), (246, 30770), (258, 30827), (264, 30854), (268, 30881), (270, 30884), (273, 30896), (293, 30965), (303, 31004), (313, 31037), (326, 31118), (330, 31133), (351, 31238), (378, 31352), (381, 31364), (409, 31451), (417, 31475),

Gene: Mellie_37 Start: 29588, Stop: 30979, Start Num: 111
Candidate Starts for Mellie_37:
(Start: 111 @29588 has 170 MA's), (132, 29708), (147, 29801), (179, 29978), (183, 30011), (188, 30065), (210, 30173), (211, 30182), (228, 30260), (242, 30323), (245, 30350), (247, 30359), (251, 30377), (253, 30386), (274, 30464), (284, 30479), (299, 30515), (303, 30548), (313, 30581), (314, 30584), (329, 30662), (341, 30719), (356, 30788), (358, 30797), (364, 30815), (376, 30857), (379, 30866), (383, 30887), (401, 30941),

Gene: MetalQZJ_37 Start: 29595, Stop: 31097, Start Num: 111
Candidate Starts for MetalQZJ_37:
(Start: 66 @29514 has 28 MA's), (Start: 70 @29520 has 3 MA's), (Start: 72 @29526 has 9 MA's), (Start: 73 @29529 has 10 MA's), (Start: 83 @29544 has 1 MA's), (Start: 111 @29595 has 170 MA's), (Start: 115 @29610 has 10 MA's), (147, 29814), (149, 29820), (152, 29832), (153, 29841), (175, 29970), (177, 29979), (178, 29988), (192, 30096), (197, 30117), (200, 30129), (203, 30153), (211, 30195), (234, 30324), (246, 30384), (258, 30441), (264, 30468), (268, 30495), (270, 30498), (273, 30510), (303, 30618), (313, 30651), (326, 30732), (330, 30747), (351, 30852), (378, 30966), (409, 31065), (417, 31089),

Gene: Michley_37 Start: 29186, Stop: 30769, Start Num: 66
Candidate Starts for Michley_37:
(Start: 66 @29186 has 28 MA's), (Start: 70 @29192 has 3 MA's), (Start: 72 @29198 has 9 MA's), (Start: 73 @29201 has 10 MA's), (Start: 83 @29216 has 1 MA's), (Start: 111 @29267 has 170 MA's), (Start: 115 @29282 has 10 MA's), (147, 29486), (149, 29492), (152, 29504), (153, 29513), (175, 29642), (177, 29651), (178, 29660), (192, 29768), (197, 29789), (200, 29801), (203, 29825), (211, 29867), (234, 29996), (246, 30056), (258, 30113), (264, 30140), (268, 30167), (270, 30170), (273, 30182), (303, 30290), (313, 30323), (326, 30404), (330, 30419), (351, 30524), (378, 30638), (409, 30737), (417, 30761),

Gene: MilleFeuille_34 Start: 29362, Stop: 30945, Start Num: 66
Candidate Starts for MilleFeuille_34:
(Start: 66 @29362 has 28 MA's), (Start: 70 @29368 has 3 MA's), (Start: 72 @29374 has 9 MA's), (Start: 73 @29377 has 10 MA's), (Start: 83 @29392 has 1 MA's), (Start: 111 @29443 has 170 MA's), (Start: 115 @29458 has 10 MA's), (147, 29662), (149, 29668), (152, 29680), (153, 29689), (173, 29806), (175, 29818), (177, 29827), (178, 29836), (192, 29944), (197, 29965), (200, 29977), (203, 30001), (234, 30172), (258, 30289), (264, 30316), (268, 30343), (273, 30358), (303, 30466), (313, 30499), (326, 30580), (330, 30595), (351, 30700), (375, 30805), (378, 30814), (409, 30913), (417, 30937),

Gene: Miryou_40 Start: 33649, Stop: 35055, Start Num: 111
Candidate Starts for Miryou_40:
(Start: 105 @33640 has 5 MA's), (Start: 111 @33649 has 170 MA's), (132, 33769), (162, 33946), (169, 33970), (176, 34021), (182, 34063), (190, 34132), (195, 34159), (197, 34168), (202, 34195), (206, 34216), (210, 34234), (214, 34261), (224, 34306), (233, 34312), (253, 34417), (272, 34483), (274, 34492), (282, 34513), (285, 34531), (294, 34552), (313, 34639), (315, 34648), (316, 34651), (337, 34759), (343, 34795), (360, 34867), (363, 34876), (377, 34927), (387, 34966), (392, 34978), (394, 34987), (411, 35017), (415, 35032),

Gene: MissRona_38 Start: 30376, Stop: 31767, Start Num: 111
Candidate Starts for MissRona_38:
(Start: 42 @30241 has 1 MA's), (Start: 97 @30355 has 1 MA's), (Start: 111 @30376 has 170 MA's), (132, 30496), (162, 30673), (183, 30799), (188, 30853), (211, 30970), (228, 31048), (242, 31111), (247, 31147), (266, 31225), (274, 31252), (284, 31267), (302, 31333), (303, 31336), (310, 31360), (313, 31369), (314, 31372), (329, 31450), (341, 31507), (349, 31543), (356, 31576), (358, 31585), (364, 31603), (379, 31654),

Gene: Mkhuseli_38 Start: 29400, Stop: 30968, Start Num: 73
Candidate Starts for Mkhuseli_38:
(Start: 66 @29385 has 28 MA's), (Start: 70 @29391 has 3 MA's), (Start: 72 @29397 has 9 MA's), (Start: 73 @29400 has 10 MA's), (Start: 83 @29415 has 1 MA's), (Start: 111 @29466 has 170 MA's), (Start: 115 @29481 has 10 MA's), (133, 29595), (147, 29685), (149, 29691), (152, 29703), (175, 29841), (177, 29850), (178, 29859), (192, 29967), (197, 29988), (200, 30000), (203, 30024), (211, 30066), (234, 30195), (246, 30255), (258, 30312), (264, 30339), (268, 30366), (270, 30369), (273, 30381), (293, 30450), (301, 30483), (303, 30489), (313, 30522), (326, 30603), (330, 30618), (378, 30837), (385, 30873), (409, 30936), (417, 30960),

Gene: Molly_39 Start: 29294, Stop: 30877, Start Num: 66
Candidate Starts for Molly_39:
(Start: 66 @29294 has 28 MA's), (Start: 70 @29300 has 3 MA's), (Start: 72 @29306 has 9 MA's), (Start: 73 @29309 has 10 MA's), (Start: 83 @29324 has 1 MA's), (Start: 111 @29375 has 170 MA's), (114, 29387), (149, 29600), (152, 29612), (153, 29621), (159, 29654), (175, 29750), (177, 29759),

(178, 29768), (192, 29876), (197, 29897), (200, 29909), (203, 29933), (211, 29975), (234, 30104), (246, 30164), (258, 30221), (264, 30248), (268, 30275), (270, 30278), (273, 30290), (293, 30359), (301, 30392), (303, 30398), (313, 30431), (326, 30512), (330, 30527), (351, 30632), (378, 30746), (409, 30845), (417, 30869),

Gene: Monet_39 Start: 30804, Stop: 32306, Start Num: 111
Candidate Starts for Monet_39:
(Start: 66 @30723 has 28 MA's), (Start: 70 @30729 has 3 MA's), (Start: 72 @30735 has 9 MA's), (Start: 73 @30738 has 10 MA's), (Start: 83 @30753 has 1 MA's), (Start: 111 @30804 has 170 MA's), (117, 30828), (147, 31023), (149, 31029), (153, 31050), (175, 31179), (177, 31188), (178, 31197), (192, 31305), (197, 31326), (200, 31338), (203, 31362), (211, 31404), (234, 31533), (246, 31593), (258, 31650), (264, 31677), (268, 31704), (273, 31719), (293, 31788), (303, 31827), (313, 31860), (326, 31941), (330, 31956), (351, 32061), (378, 32175), (381, 32187), (409, 32274), (417, 32298),

Gene: Moose_37 Start: 29620, Stop: 31122, Start Num: 111
Candidate Starts for Moose_37:
(Start: 66 @29539 has 28 MA's), (Start: 70 @29545 has 3 MA's), (Start: 72 @29551 has 9 MA's), (Start: 73 @29554 has 10 MA's), (Start: 83 @29569 has 1 MA's), (Start: 111 @29620 has 170 MA's), (Start: 115 @29635 has 10 MA's), (117, 29644), (147, 29839), (149, 29845), (152, 29857), (153, 29866), (175, 29995), (177, 30004), (178, 30013), (192, 30121), (197, 30142), (200, 30154), (203, 30178), (234, 30349), (246, 30409), (258, 30466), (268, 30520), (270, 30523), (273, 30535), (303, 30643), (313, 30676), (318, 30715), (326, 30757), (330, 30772), (378, 30991), (409, 31090), (417, 31114),

Gene: MrGordo_37 Start: 29130, Stop: 30632, Start Num: 111
Candidate Starts for MrGordo_37:
(Start: 66 @29049 has 28 MA's), (Start: 70 @29055 has 3 MA's), (Start: 72 @29061 has 9 MA's), (Start: 73 @29064 has 10 MA's), (Start: 83 @29079 has 1 MA's), (Start: 111 @29130 has 170 MA's), (117, 29154), (149, 29355), (159, 29409), (175, 29505), (177, 29514), (178, 29523), (192, 29631), (197, 29652), (200, 29664), (203, 29688), (211, 29730), (234, 29859), (246, 29919), (258, 29976), (264, 30003), (266, 30018), (267, 30021), (268, 30030), (270, 30033), (273, 30045), (293, 30114), (301, 30147), (303, 30153), (313, 30186), (314, 30189), (326, 30267), (330, 30282), (351, 30387), (378, 30501), (409, 30600), (417, 30624),

Gene: MrMagoo_148 Start: 70893, Stop: 69439, Start Num: 80
Candidate Starts for MrMagoo_148:
(34, 71010), (Start: 61 @70935 has 1 MA's), (76, 70902), (Start: 80 @70893 has 21 MA's), (112, 70839), (117, 70821), (126, 70746), (155, 70602), (172, 70485), (182, 70422), (199, 70332), (206, 70290), (253, 70077), (271, 70011), (279, 69984), (302, 69903), (311, 69873), (313, 69867), (314, 69864), (344, 69714), (349, 69693), (363, 69636), (391, 69534), (403, 69492),

Gene: Mryolo_35 Start: 29138, Stop: 30640, Start Num: 111
Candidate Starts for Mryolo_35:
(Start: 86 @29093 has 3 MA's), (Start: 111 @29138 has 170 MA's), (Start: 115 @29153 has 10 MA's), (137, 29285), (147, 29357), (149, 29363), (173, 29501), (175, 29513), (177, 29522), (178, 29531), (192, 29639), (197, 29660), (200, 29672), (203, 29696), (211, 29738), (234, 29867), (246, 29927), (258, 29984), (268, 30038), (273, 30053), (301, 30155), (303, 30161), (313, 30194), (314, 30197), (323, 30260), (330, 30290), (351, 30395), (378, 30509), (409, 30608), (417, 30632),

Gene: Murp_39 Start: 32170, Stop: 33561, Start Num: 111
Candidate Starts for Murp_39:
(Start: 111 @32170 has 170 MA's), (132, 32290), (162, 32467), (181, 32581), (182, 32584), (183, 32593), (188, 32647), (211, 32764), (247, 32941), (251, 32959), (253, 32968), (266, 33019), (284,

33061), (299, 33097), (302, 33127), (313, 33163), (314, 33166), (329, 33244), (341, 33301), (344, 33316), (356, 33370), (379, 33448),

Gene: Museum_39 Start: 29483, Stop: 30988, Start Num: 113
Candidate Starts for Museum_39:
(Start: 66 @29393 has 28 MA's), (Start: 70 @29399 has 3 MA's), (Start: 72 @29405 has 9 MA's), (Start: 73 @29408 has 10 MA's), (Start: 83 @29423 has 1 MA's), (Start: 111 @29474 has 170 MA's), (Start: 113 @29483 has 16 MA's), (Start: 115 @29489 has 10 MA's), (117, 29498), (118, 29507), (132, 29591), (134, 29609), (147, 29693), (149, 29699), (152, 29711), (153, 29720), (173, 29837), (175, 29849), (177, 29858), (178, 29867), (189, 29963), (192, 29975), (200, 30008), (234, 30203), (246, 30263), (258, 30320), (268, 30374), (270, 30377), (273, 30389), (301, 30491), (303, 30497), (313, 30530), (326, 30611), (330, 30626), (351, 30731), (378, 30845),

Gene: NEHalo_37 Start: 29293, Stop: 30861, Start Num: 72
Candidate Starts for NEHalo_37:
(Start: 66 @29281 has 28 MA's), (Start: 70 @29287 has 3 MA's), (Start: 72 @29293 has 9 MA's), (Start: 73 @29296 has 10 MA's), (Start: 83 @29311 has 1 MA's), (Start: 111 @29362 has 170 MA's), (Start: 115 @29377 has 10 MA's), (117, 29386), (147, 29581), (149, 29587), (153, 29608), (175, 29737), (177, 29746), (178, 29755), (179, 29761), (189, 29851), (192, 29863), (200, 29896), (211, 29962), (234, 30091), (246, 30151), (258, 30208), (268, 30262), (270, 30265), (273, 30277), (313, 30415), (314, 30418), (318, 30454), (326, 30496), (330, 30511), (351, 30616), (378, 30730), (409, 30829), (417, 30853),

Gene: Naira_38 Start: 31077, Stop: 32591, Start Num: 111
Candidate Starts for Naira_38:
(Start: 66 @30996 has 28 MA's), (Start: 70 @31002 has 3 MA's), (Start: 72 @31008 has 9 MA's), (Start: 73 @31011 has 10 MA's), (Start: 83 @31026 has 1 MA's), (Start: 111 @31077 has 170 MA's), (149, 31302), (153, 31323), (173, 31440), (175, 31452), (177, 31461), (178, 31470), (192, 31578), (197, 31599), (200, 31611), (203, 31635), (211, 31677), (234, 31806), (246, 31866), (258, 31923), (268, 31977), (273, 31992), (303, 32100), (313, 32133), (314, 32136), (326, 32214), (330, 32229), (332, 32235), (378, 32448), (381, 32460),

Gene: Nanosmite_142 Start: 71091, Stop: 69622, Start Num: 80
Candidate Starts for Nanosmite_142:
(74, 71103), (76, 71100), (Start: 80 @71091 has 21 MA's), (Start: 110 @71034 has 5 MA's), (112, 71028), (114, 71022), (117, 71010), (138, 70893), (139, 70887), (140, 70884), (142, 70863), (170, 70695), (172, 70674), (182, 70611), (199, 70515), (227, 70383), (246, 70293), (253, 70260), (259, 70236), (263, 70221), (279, 70167), (302, 70086), (313, 70050), (317, 70020), (344, 69897), (363, 69819), (368, 69804), (375, 69774),

Gene: Neighly_39 Start: 31215, Stop: 32585, Start Num: 121
Candidate Starts for Neighly_39:
(30, 30969), (40, 31005), (78, 31092), (Start: 100 @31140 has 7 MA's), (Start: 121 @31215 has 3 MA's), (122, 31227), (142, 31338), (143, 31341), (148, 31374), (153, 31398), (164, 31461), (177, 31536), (221, 31812), (274, 32034), (277, 32046), (296, 32094), (300, 32124), (306, 32145), (313, 32169), (344, 32322), (362, 32403), (365, 32409), (369, 32421), (377, 32457), (379, 32463), (382, 32481), (383, 32484), (388, 32499), (390, 32505), (407, 32553), (412, 32562),

Gene: Nerdos_48 Start: 34074, Stop: 35396, Start Num: 113
Candidate Starts for Nerdos_48:
(Start: 110 @34062 has 5 MA's), (Start: 113 @34074 has 16 MA's), (117, 34089), (127, 34176), (Start: 129 @34179 has 1 MA's), (135, 34203), (142, 34245), (145, 34254), (152, 34296), (153, 34305), (155, 34317), (171, 34407), (172, 34416), (177, 34440), (193, 34560), (198, 34566), (219, 34656), (229,

34671), (231, 34680), (239, 34713), (262, 34824), (263, 34830), (274, 34878), (279, 34893), (286, 34908), (306, 34968), (313, 34992), (328, 35073), (336, 35103), (341, 35133), (351, 35181), (372, 35259), (383, 35307), (385, 35316), (394, 35343), (410, 35382),

Gene: Nerujay_38 Start: 29948, Stop: 31531, Start Num: 66
Candidate Starts for Nerujay_38:
(Start: 66 @29948 has 28 MA's), (Start: 70 @29954 has 3 MA's), (Start: 72 @29960 has 9 MA's), (Start: 73 @29963 has 10 MA's), (Start: 83 @29978 has 1 MA's), (Start: 111 @30029 has 170 MA's), (Start: 115 @30044 has 10 MA's), (147, 30248), (149, 30254), (153, 30275), (175, 30404), (177, 30413), (178, 30422), (192, 30530), (197, 30551), (200, 30563), (203, 30587), (211, 30629), (234, 30758), (246, 30818), (258, 30875), (264, 30902), (268, 30929), (273, 30944), (301, 31046), (303, 31052), (313, 31085), (326, 31166), (330, 31181), (351, 31286), (378, 31400), (409, 31499), (417, 31523),

Gene: Nhonho_37 Start: 29766, Stop: 31268, Start Num: 111
Candidate Starts for Nhonho_37:
(Start: 86 @29721 has 3 MA's), (Start: 111 @29766 has 170 MA's), (Start: 115 @29781 has 10 MA's), (147, 29985), (149, 29991), (175, 30141), (177, 30150), (178, 30159), (192, 30267), (197, 30288), (200, 30300), (203, 30324), (211, 30366), (234, 30495), (246, 30555), (258, 30612), (264, 30639), (268, 30666), (270, 30669), (273, 30681), (293, 30750), (301, 30783), (303, 30789), (313, 30822), (326, 30903), (330, 30918), (351, 31023), (378, 31137), (409, 31236), (417, 31260),

Gene: Niza_40 Start: 30658, Stop: 32160, Start Num: 111
Candidate Starts for Niza_40:
(Start: 66 @30577 has 28 MA's), (Start: 70 @30583 has 3 MA's), (Start: 72 @30589 has 9 MA's), (Start: 73 @30592 has 10 MA's), (Start: 83 @30607 has 1 MA's), (Start: 111 @30658 has 170 MA's), (Start: 115 @30673 has 10 MA's), (147, 30877), (149, 30883), (175, 31033), (177, 31042), (178, 31051), (192, 31159), (197, 31180), (200, 31192), (203, 31216), (211, 31258), (234, 31387), (246, 31447), (258, 31504), (268, 31558), (270, 31561), (273, 31573), (303, 31681), (313, 31714), (326, 31795), (330, 31810), (351, 31915), (378, 32029), (409, 32128), (417, 32152),

Gene: Norz_39 Start: 30310, Stop: 31824, Start Num: 111
Candidate Starts for Norz_39:
(Start: 66 @30229 has 28 MA's), (Start: 70 @30235 has 3 MA's), (Start: 72 @30241 has 9 MA's), (Start: 73 @30244 has 10 MA's), (Start: 83 @30259 has 1 MA's), (Start: 111 @30310 has 170 MA's), (Start: 115 @30325 has 10 MA's), (128, 30418), (147, 30529), (149, 30535), (153, 30556), (175, 30685), (177, 30694), (178, 30703), (192, 30811), (197, 30832), (200, 30844), (203, 30868), (211, 30910), (234, 31039), (246, 31099), (258, 31156), (264, 31183), (266, 31198), (267, 31201), (268, 31210), (270, 31213), (273, 31225), (301, 31327), (303, 31333), (313, 31366), (314, 31369), (326, 31447), (330, 31462), (351, 31567), (378, 31681),

Gene: Noxious_39 Start: 30922, Stop: 32409, Start Num: 115
Candidate Starts for Noxious_39:
(Start: 66 @30826 has 28 MA's), (Start: 70 @30832 has 3 MA's), (Start: 72 @30838 has 9 MA's), (Start: 73 @30841 has 10 MA's), (Start: 83 @30856 has 1 MA's), (Start: 111 @30907 has 170 MA's), (Start: 115 @30922 has 10 MA's), (147, 31126), (149, 31132), (153, 31153), (173, 31270), (175, 31282), (177, 31291), (178, 31300), (189, 31396), (192, 31408), (197, 31429), (200, 31441), (203, 31465), (234, 31636), (246, 31696), (258, 31753), (264, 31780), (268, 31807), (273, 31822), (293, 31891), (303, 31930), (313, 31963), (326, 32044), (330, 32059), (351, 32164), (378, 32278), (409, 32377), (417, 32401),

Gene: Ohno789_37 Start: 29422, Stop: 30924, Start Num: 111
Candidate Starts for Ohno789_37:

(Start: 66 @29341 has 28 MA's), (Start: 70 @29347 has 3 MA's), (Start: 72 @29353 has 9 MA's), (Start: 73 @29356 has 10 MA's), (Start: 83 @29371 has 1 MA's), (Start: 111 @29422 has 170 MA's), (Start: 115 @29437 has 10 MA's), (147, 29641), (149, 29647), (175, 29797), (177, 29806), (178, 29815), (192, 29923), (197, 29944), (200, 29956), (203, 29980), (234, 30151), (246, 30211), (258, 30268), (268, 30322), (273, 30337), (301, 30439), (303, 30445), (313, 30478), (314, 30481), (326, 30559), (330, 30574), (351, 30679), (378, 30793), (409, 30892), (417, 30916),

Gene: OkiRoe_38 Start: 31310, Stop: 32725, Start Num: 105
Candidate Starts for OkiRoe_38:
(Start: 105 @31310 has 5 MA's), (Start: 111 @31319 has 170 MA's), (132, 31439), (162, 31616), (169, 31640), (176, 31691), (182, 31733), (190, 31802), (195, 31829), (197, 31838), (202, 31865), (206, 31886), (210, 31904), (214, 31931), (224, 31976), (233, 31982), (253, 32087), (272, 32153), (274, 32162), (282, 32183), (285, 32201), (294, 32222), (313, 32309), (315, 32318), (316, 32321), (337, 32429), (343, 32465), (360, 32537), (363, 32546), (377, 32597), (387, 32636), (392, 32648), (394, 32657), (411, 32687), (415, 32702),

Gene: Oliynyk_50 Start: 34372, Stop: 35694, Start Num: 113
Candidate Starts for Oliynyk_50:
(Start: 110 @34360 has 5 MA's), (Start: 113 @34372 has 16 MA's), (117, 34387), (127, 34474), (Start: 129 @34477 has 1 MA's), (135, 34501), (145, 34552), (152, 34594), (153, 34603), (155, 34615), (171, 34705), (172, 34714), (177, 34738), (193, 34858), (198, 34864), (219, 34954), (229, 34969), (231, 34978), (239, 35011), (262, 35122), (263, 35128), (274, 35176), (279, 35191), (286, 35206), (306, 35266), (308, 35275), (313, 35290), (327, 35368), (336, 35401), (341, 35431), (351, 35479), (372, 35557), (383, 35605), (385, 35614), (394, 35641), (410, 35680),

Gene: Omar_55 Start: 36249, Stop: 37679, Start Num: 90
Candidate Starts for Omar_55:
(43, 36147), (Start: 67 @36198 has 3 MA's), (Start: 90 @36249 has 5 MA's), (Start: 95 @36258 has 10 MA's), (142, 36468), (149, 36495), (175, 36633), (193, 36762), (205, 36810), (229, 36921), (231, 36930), (242, 36978), (243, 36981), (249, 37020), (252, 37035), (282, 37149), (292, 37179), (312, 37263), (338, 37380), (344, 37416), (367, 37506), (370, 37515), (383, 37572), (400, 37620), (403, 37629), (419, 37668),

Gene: Omnicron_41 Start: 30937, Stop: 32343, Start Num: 111
Candidate Starts for Omnicron_41:
(Start: 105 @30928 has 5 MA's), (Start: 111 @30937 has 170 MA's), (124, 31024), (132, 31057), (147, 31150), (163, 31237), (169, 31258), (176, 31309), (182, 31351), (187, 31399), (190, 31420), (195, 31447), (197, 31456), (201, 31480), (202, 31483), (206, 31504), (210, 31522), (224, 31594), (233, 31600), (272, 31771), (274, 31780), (282, 31801), (285, 31819), (306, 31903), (313, 31927), (316, 31939), (325, 31996), (335, 32035), (337, 32047), (343, 32083), (349, 32107), (360, 32155), (363, 32164), (387, 32254), (392, 32266), (394, 32275), (415, 32320),

Gene: Oogway_36 Start: 28960, Stop: 30462, Start Num: 111
Candidate Starts for Oogway_36:
(Start: 66 @28879 has 28 MA's), (Start: 70 @28885 has 3 MA's), (Start: 72 @28891 has 9 MA's), (Start: 73 @28894 has 10 MA's), (Start: 83 @28909 has 1 MA's), (Start: 111 @28960 has 170 MA's), (128, 29068), (149, 29185), (153, 29206), (175, 29335), (177, 29344), (178, 29353), (192, 29461), (197, 29482), (200, 29494), (203, 29518), (234, 29689), (246, 29749), (258, 29806), (264, 29833), (268, 29860), (270, 29863), (273, 29875), (293, 29944), (301, 29977), (303, 29983), (313, 30016), (326, 30097), (330, 30112), (351, 30217), (378, 30331), (409, 30430), (417, 30454),

Gene: Ozzie_48 Start: 34171, Stop: 35505, Start Num: 110
Candidate Starts for Ozzie_48:

(Start: 110 @34171 has 5 MA's), (Start: 113 @34183 has 16 MA's), (117, 34198), (127, 34285), (Start: 129 @34288 has 1 MA's), (135, 34312), (142, 34354), (145, 34363), (152, 34405), (153, 34414), (155, 34426), (171, 34516), (172, 34525), (177, 34549), (193, 34669), (198, 34675), (219, 34765), (229, 34780), (231, 34789), (239, 34822), (262, 34933), (263, 34939), (274, 34987), (279, 35002), (286, 35017), (306, 35077), (308, 35086), (313, 35101), (328, 35182), (336, 35212), (341, 35242), (351, 35290), (372, 35368), (383, 35416), (385, 35425), (394, 35452), (410, 35491),

Gene: PCoral7_37 Start: 30351, Stop: 31742, Start Num: 111
Candidate Starts for PCoral7_37:
(Start: 82 @30300 has 1 MA's), (85, 30303), (Start: 111 @30351 has 170 MA's), (117, 30375), (Start: 121 @30408 has 3 MA's), (132, 30471), (147, 30564), (162, 30648), (183, 30774), (188, 30828), (206, 30918), (211, 30945), (228, 31023), (242, 31086), (247, 31122), (253, 31149), (266, 31200), (274, 31227), (284, 31242), (309, 31332), (313, 31344), (314, 31347), (341, 31482), (364, 31578), (377, 31623), (379, 31629),

Gene: PSullivan_36 Start: 28595, Stop: 30097, Start Num: 111
Candidate Starts for PSullivan_36:
(Start: 66 @28514 has 28 MA's), (Start: 70 @28520 has 3 MA's), (Start: 72 @28526 has 9 MA's), (Start: 73 @28529 has 10 MA's), (Start: 83 @28544 has 1 MA's), (Start: 111 @28595 has 170 MA's), (Start: 113 @28604 has 16 MA's), (Start: 115 @28610 has 10 MA's), (132, 28712), (134, 28730), (137, 28742), (147, 28814), (149, 28820), (152, 28832), (153, 28841), (173, 28958), (175, 28970), (177, 28979), (178, 28988), (191, 29090), (192, 29096), (197, 29117), (200, 29129), (211, 29195), (234, 29324), (246, 29384), (258, 29441), (268, 29495), (273, 29510), (301, 29612), (303, 29618), (313, 29651), (314, 29654), (323, 29717), (330, 29747), (351, 29852), (378, 29966), (409, 30065), (417, 30089),

Gene: Pablito_52 Start: 36745, Stop: 38214, Start Num: 64
Candidate Starts for Pablito_52:
(Start: 64 @36745 has 1 MA's), (Start: 67 @36751 has 3 MA's), (81, 36781), (Start: 95 @36811 has 10 MA's), (96, 36814), (Start: 125 @36940 has 1 MA's), (127, 36946), (132, 36955), (142, 37018), (154, 37075), (158, 37096), (166, 37126), (167, 37129), (175, 37183), (193, 37312), (205, 37360), (207, 37363), (211, 37390), (229, 37462), (231, 37471), (235, 37492), (243, 37522), (290, 37708), (291, 37711), (344, 37951), (356, 38008), (367, 38041), (370, 38050), (383, 38107), (393, 38131), (400, 38155), (403, 38164), (414, 38182), (419, 38203),

Gene: PacerPaul_38 Start: 29421, Stop: 30920, Start Num: 111
Candidate Starts for PacerPaul_38:
(Start: 66 @29340 has 28 MA's), (Start: 70 @29346 has 3 MA's), (Start: 72 @29352 has 9 MA's), (Start: 73 @29355 has 10 MA's), (Start: 83 @29370 has 1 MA's), (Start: 111 @29421 has 170 MA's), (Start: 115 @29436 has 10 MA's), (147, 29640), (149, 29646), (153, 29667), (175, 29796), (177, 29805), (178, 29814), (192, 29922), (197, 29943), (200, 29955), (203, 29979), (234, 30150), (246, 30210), (258, 30267), (264, 30294), (268, 30321), (270, 30324), (273, 30336), (301, 30435), (313, 30474), (314, 30477), (326, 30555), (330, 30570), (378, 30789), (409, 30888), (417, 30912),

Gene: Paedore_54 Start: 37729, Stop: 39147, Start Num: 95
Candidate Starts for Paedore_54:
(Start: 95 @37729 has 10 MA's), (96, 37732), (Start: 125 @37858 has 1 MA's), (127, 37864), (142, 37936), (144, 37942), (158, 38014), (166, 38044), (167, 38047), (175, 38101), (193, 38230), (199, 38239), (205, 38278), (216, 38353), (229, 38389), (231, 38398), (243, 38449), (312, 38731), (326, 38800), (344, 38884), (367, 38974), (370, 38983), (383, 39040), (403, 39097), (408, 39103), (419, 39136),

Gene: Paola_38 Start: 31317, Stop: 32723, Start Num: 111

Candidate Starts for Paola_38:
(Start: 105 @31308 has 5 MA's), (Start: 111 @31317 has 170 MA's), (132, 31437), (162, 31614), (169, 31638), (176, 31689), (182, 31731), (187, 31779), (190, 31800), (195, 31827), (197, 31836), (202, 31863), (206, 31884), (210, 31902), (214, 31929), (224, 31974), (233, 31980), (253, 32085), (272, 32151), (274, 32160), (282, 32181), (285, 32199), (313, 32307), (315, 32316), (316, 32319), (337, 32427), (343, 32463), (360, 32535), (363, 32544), (377, 32595), (387, 32634), (392, 32646), (394, 32655), (411, 32685), (415, 32700),

Gene: Paolo_54 Start: 37643, Stop: 39124, Start Num: 67
Candidate Starts for Paolo_54:
(Start: 67 @37643 has 3 MA's), (Start: 90 @37694 has 5 MA's), (Start: 95 @37703 has 10 MA's), (142, 37913), (149, 37940), (175, 38078), (193, 38207), (205, 38255), (229, 38366), (231, 38375), (236, 38402), (242, 38423), (243, 38426), (249, 38465), (292, 38624), (312, 38708), (338, 38825), (344, 38861), (367, 38951), (370, 38960), (383, 39017), (400, 39065), (403, 39074), (419, 39113),

Gene: Papez_39 Start: 31106, Stop: 32608, Start Num: 111
Candidate Starts for Papez_39:
(Start: 66 @31025 has 28 MA's), (Start: 70 @31031 has 3 MA's), (Start: 72 @31037 has 9 MA's), (Start: 73 @31040 has 10 MA's), (Start: 83 @31055 has 1 MA's), (Start: 111 @31106 has 170 MA's), (Start: 115 @31121 has 10 MA's), (147, 31325), (149, 31331), (153, 31352), (175, 31481), (177, 31490), (178, 31499), (192, 31607), (197, 31628), (200, 31640), (203, 31664), (211, 31706), (234, 31835), (246, 31895), (258, 31952), (264, 31979), (268, 32006), (270, 32009), (273, 32021), (293, 32090), (303, 32129), (313, 32162), (326, 32243), (330, 32258), (351, 32363), (378, 32477), (409, 32576), (417, 32600),

Gene: Paphu_36 Start: 29268, Stop: 30851, Start Num: 66
Candidate Starts for Paphu_36:
(Start: 66 @29268 has 28 MA's), (Start: 70 @29274 has 3 MA's), (Start: 72 @29280 has 9 MA's), (Start: 73 @29283 has 10 MA's), (Start: 83 @29298 has 1 MA's), (Start: 111 @29349 has 170 MA's), (Start: 115 @29364 has 10 MA's), (117, 29373), (147, 29568), (149, 29574), (153, 29595), (175, 29724), (177, 29733), (178, 29742), (192, 29850), (197, 29871), (200, 29883), (203, 29907), (211, 29949), (234, 30078), (246, 30138), (258, 30195), (264, 30222), (268, 30249), (273, 30264), (293, 30333), (303, 30372), (313, 30405), (326, 30486), (330, 30501), (351, 30606), (378, 30720), (381, 30732), (409, 30819), (417, 30843),

Gene: Paraselene_36 Start: 29765, Stop: 31279, Start Num: 111
Candidate Starts for Paraselene_36:
(Start: 66 @29684 has 28 MA's), (Start: 70 @29690 has 3 MA's), (Start: 72 @29696 has 9 MA's), (Start: 73 @29699 has 10 MA's), (Start: 83 @29714 has 1 MA's), (Start: 111 @29765 has 170 MA's), (147, 29984), (149, 29990), (152, 30002), (153, 30011), (173, 30128), (175, 30140), (177, 30149), (178, 30158), (192, 30266), (197, 30287), (200, 30299), (203, 30323), (211, 30365), (232, 30479), (234, 30494), (246, 30554), (258, 30611), (264, 30638), (268, 30665), (270, 30668), (273, 30680), (303, 30788), (313, 30821), (326, 30902), (330, 30917), (378, 31136),

Gene: Pari_38 Start: 29191, Stop: 30693, Start Num: 111
Candidate Starts for Pari_38:
(Start: 86 @29146 has 3 MA's), (Start: 111 @29191 has 170 MA's), (Start: 115 @29206 has 10 MA's), (117, 29215), (149, 29416), (159, 29470), (175, 29566), (177, 29575), (178, 29584), (192, 29692), (197, 29713), (200, 29725), (203, 29749), (211, 29791), (234, 29920), (246, 29980), (258, 30037), (268, 30091), (273, 30106), (301, 30208), (303, 30214), (313, 30247), (326, 30328), (330, 30343), (351, 30448), (378, 30562), (409, 30661), (417, 30685),

Gene: Parliament_36 Start: 29511, Stop: 31013, Start Num: 111

Candidate Starts for Parliament_36:
(Start: 66 @29430 has 28 MA's), (Start: 70 @29436 has 3 MA's), (Start: 72 @29442 has 9 MA's), (Start: 73 @29445 has 10 MA's), (Start: 83 @29460 has 1 MA's), (Start: 111 @29511 has 170 MA's), (149, 29736), (175, 29886), (177, 29895), (178, 29904), (189, 30000), (192, 30012), (197, 30033), (200, 30045), (203, 30069), (211, 30111), (234, 30240), (246, 30300), (258, 30357), (268, 30411), (273, 30426), (303, 30534), (313, 30567), (326, 30648), (330, 30663), (378, 30882), (409, 30981), (417, 31005),

Gene: PascalRango_38 Start: 29461, Stop: 30963, Start Num: 111
Candidate Starts for PascalRango_38:
(Start: 66 @29380 has 28 MA's), (Start: 70 @29386 has 3 MA's), (Start: 72 @29392 has 9 MA's), (Start: 73 @29395 has 10 MA's), (Start: 83 @29410 has 1 MA's), (Start: 111 @29461 has 170 MA's), (147, 29680), (149, 29686), (153, 29707), (175, 29836), (177, 29845), (178, 29854), (192, 29962), (197, 29983), (200, 29995), (203, 30019), (211, 30061), (234, 30190), (246, 30250), (258, 30307), (264, 30334), (268, 30361), (273, 30376), (303, 30484), (313, 30517), (326, 30598), (330, 30613), (378, 30832), (409, 30931), (417, 30955),

Gene: PattyP_39 Start: 29688, Stop: 31190, Start Num: 111
Candidate Starts for PattyP_39:
(Start: 66 @29607 has 28 MA's), (Start: 70 @29613 has 3 MA's), (Start: 72 @29619 has 9 MA's), (Start: 73 @29622 has 10 MA's), (Start: 83 @29637 has 1 MA's), (Start: 111 @29688 has 170 MA's), (114, 29700), (149, 29913), (152, 29925), (153, 29934), (159, 29967), (175, 30063), (177, 30072), (178, 30081), (192, 30189), (197, 30210), (200, 30222), (203, 30246), (211, 30288), (234, 30417), (246, 30477), (258, 30534), (268, 30588), (270, 30591), (273, 30603), (293, 30672), (301, 30705), (303, 30711), (313, 30744), (326, 30825), (330, 30840), (351, 30945), (378, 31059), (409, 31158), (417, 31182),

Gene: Pavo_52 Start: 36851, Stop: 38260, Start Num: 109
Candidate Starts for Pavo_52:
(44, 36722), (77, 36788), (89, 36815), (Start: 109 @36851 has 1 MA's), (117, 36881), (127, 36968), (131, 36977), (145, 37046), (152, 37088), (153, 37097), (155, 37109), (171, 37199), (172, 37208), (173, 37211), (175, 37223), (177, 37232), (210, 37421), (222, 37508), (231, 37541), (243, 37592), (253, 37652), (262, 37685), (274, 37739), (309, 37841), (317, 37883), (321, 37895), (340, 37991), (341, 37994), (354, 38060), (359, 38078), (361, 38087), (383, 38168), (389, 38186), (391, 38192), (397, 38213), (404, 38234), (414, 38252),

Gene: Payneful_37 Start: 29028, Stop: 30608, Start Num: 73
Candidate Starts for Payneful_37:
(Start: 66 @29013 has 28 MA's), (Start: 70 @29019 has 3 MA's), (Start: 72 @29025 has 9 MA's), (Start: 73 @29028 has 10 MA's), (Start: 83 @29043 has 1 MA's), (Start: 111 @29094 has 170 MA's), (147, 29313), (149, 29319), (153, 29340), (175, 29469), (177, 29478), (178, 29487), (189, 29583), (192, 29595), (200, 29628), (206, 29664), (234, 29823), (246, 29883), (258, 29940), (268, 29994), (273, 30009), (303, 30117), (318, 30189), (326, 30231), (330, 30246), (378, 30465),

Gene: PeaceMeal1_32 Start: 23843, Stop: 25498, Start Num: 101
Candidate Starts for PeaceMeal1_32:
(Start: 83 @23804 has 1 MA's), (Start: 101 @23843 has 3 MA's), (Start: 108 @23852 has 3 MA's), (Start: 113 @23870 has 16 MA's), (118, 23894), (128, 23969), (132, 23978), (134, 23996), (147, 24080), (148, 24083), (155, 24119), (172, 24221), (177, 24245), (178, 24254), (189, 24350), (204, 24425), (206, 24434), (208, 24437), (226, 24554), (232, 24575), (234, 24590), (238, 24602), (245, 24650), (253, 24695), (268, 24767), (276, 24791), (303, 24911), (308, 24929), (309, 24932), (310, 24935), (337, 25070), (378, 25259), (405, 25352), (417, 25382), (420, 25406), (423, 25454), (425, 25472),

Gene: PegLeg_134 Start: 69986, Stop: 68526, Start Num: 80
Candidate Starts for PegLeg_134:
(Start: 61 @70028 has 1 MA's), (76, 69995), (Start: 80 @69986 has 21 MA's), (117, 69914), (130, 69833), (139, 69791), (142, 69767), (155, 69695), (172, 69578), (182, 69515), (196, 69431), (199, 69419), (206, 69377), (210, 69359), (246, 69197), (250, 69176), (263, 69125), (271, 69098), (279, 69071), (314, 68951), (344, 68801), (363, 68723), (375, 68678), (391, 68621),

Gene: Pelly_37 Start: 29661, Stop: 31163, Start Num: 111
Candidate Starts for Pelly_37:
(Start: 66 @29580 has 28 MA's), (Start: 70 @29586 has 3 MA's), (Start: 72 @29592 has 9 MA's), (Start: 73 @29595 has 10 MA's), (Start: 83 @29610 has 1 MA's), (Start: 111 @29661 has 170 MA's), (Start: 115 @29676 has 10 MA's), (117, 29685), (147, 29880), (149, 29886), (153, 29907), (175, 30036), (177, 30045), (178, 30054), (192, 30162), (197, 30183), (200, 30195), (203, 30219), (211, 30261), (234, 30390), (246, 30450), (258, 30507), (268, 30561), (270, 30564), (273, 30576), (303, 30684), (313, 30717), (326, 30798), (330, 30813), (351, 30918), (378, 31032), (409, 31131), (417, 31155),

Gene: Percival_59 Start: 38819, Stop: 40306, Start Num: 107
Candidate Starts for Percival_59:
(Start: 107 @38819 has 6 MA's), (Start: 121 @38882 has 3 MA's), (124, 38912), (142, 39011), (143, 39014), (149, 39050), (172, 39182), (174, 39194), (184, 39266), (193, 39323), (201, 39350), (215, 39428), (231, 39476), (271, 39653), (274, 39665), (302, 39785), (312, 39818), (324, 39878), (335, 39920), (337, 39932), (366, 40058), (370, 40073), (390, 40151), (395, 40169), (424, 40301),

Gene: Perseus_39 Start: 30449, Stop: 31951, Start Num: 111
Candidate Starts for Perseus_39:
(Start: 62 @30359 has 1 MA's), (Start: 66 @30368 has 28 MA's), (Start: 70 @30374 has 3 MA's), (Start: 72 @30380 has 9 MA's), (Start: 73 @30383 has 10 MA's), (Start: 83 @30398 has 1 MA's), (Start: 111 @30449 has 170 MA's), (Start: 115 @30464 has 10 MA's), (147, 30668), (149, 30674), (173, 30812), (175, 30824), (177, 30833), (178, 30842), (192, 30950), (197, 30971), (200, 30983), (203, 31007), (211, 31049), (234, 31178), (246, 31238), (258, 31295), (264, 31322), (268, 31349), (270, 31352), (273, 31364), (303, 31472), (313, 31505), (326, 31586), (330, 31601), (378, 31820), (409, 31919), (417, 31943),

Gene: Peterson_40 Start: 31280, Stop: 32779, Start Num: 111
Candidate Starts for Peterson_40:
(Start: 111 @31280 has 170 MA's), (147, 31499), (149, 31505), (152, 31517), (153, 31526), (159, 31559), (164, 31589), (165, 31592), (175, 31655), (178, 31673), (189, 31769), (192, 31781), (200, 31814), (213, 31892), (215, 31907), (234, 32009), (246, 32069), (253, 32111), (258, 32126), (264, 32153), (266, 32168), (267, 32171), (268, 32180), (273, 32195), (301, 32294), (313, 32333), (318, 32372), (320, 32378), (326, 32414), (330, 32429), (334, 32444), (348, 32519), (378, 32648), (409, 32747), (417, 32771),

Gene: Petp2012_39 Start: 30278, Stop: 31861, Start Num: 66
Candidate Starts for Petp2012_39:
(Start: 66 @30278 has 28 MA's), (Start: 70 @30284 has 3 MA's), (Start: 72 @30290 has 9 MA's), (Start: 73 @30293 has 10 MA's), (Start: 83 @30308 has 1 MA's), (Start: 111 @30359 has 170 MA's), (114, 30371), (149, 30584), (152, 30596), (153, 30605), (159, 30638), (175, 30734), (177, 30743), (178, 30752), (192, 30860), (197, 30881), (200, 30893), (203, 30917), (211, 30959), (234, 31088), (246, 31148), (258, 31205), (264, 31232), (268, 31259), (270, 31262), (273, 31274), (293, 31343), (301, 31376), (303, 31382), (313, 31415), (326, 31496), (330, 31511), (351, 31616), (378, 31730), (409, 31829), (417, 31853),

Gene: Petruchio_38 Start: 29593, Stop: 31176, Start Num: 66
Candidate Starts for Petruchio_38:
(Start: 66 @29593 has 28 MA's), (Start: 70 @29599 has 3 MA's), (Start: 72 @29605 has 9 MA's), (Start: 73 @29608 has 10 MA's), (Start: 83 @29623 has 1 MA's), (Start: 111 @29674 has 170 MA's), (Start: 115 @29689 has 10 MA's), (149, 29899), (175, 30049), (178, 30067), (192, 30175), (197, 30196), (200, 30208), (203, 30232), (211, 30274), (234, 30403), (246, 30463), (258, 30520), (264, 30547), (268, 30574), (270, 30577), (273, 30589), (297, 30667), (303, 30697), (313, 30730), (318, 30769), (326, 30811), (330, 30826), (351, 30931), (378, 31045), (409, 31144), (417, 31168),

Gene: PherrisBueller_38 Start: 29250, Stop: 30752, Start Num: 111
Candidate Starts for PherrisBueller_38:
(Start: 66 @29169 has 28 MA's), (Start: 70 @29175 has 3 MA's), (Start: 72 @29181 has 9 MA's), (Start: 83 @29199 has 1 MA's), (Start: 111 @29250 has 170 MA's), (149, 29475), (175, 29625), (177, 29634), (178, 29643), (197, 29772), (200, 29784), (203, 29808), (234, 29979), (246, 30039), (258, 30096), (268, 30150), (270, 30153), (273, 30165), (303, 30273), (313, 30306), (326, 30387), (330, 30402), (378, 30621), (409, 30720), (417, 30744),

Gene: Phettuccine_49 Start: 34075, Stop: 35397, Start Num: 113
Candidate Starts for Phettuccine_49:
(Start: 110 @34063 has 5 MA's), (Start: 113 @34075 has 16 MA's), (117, 34090), (127, 34177), (Start: 129 @34180 has 1 MA's), (135, 34204), (142, 34246), (145, 34255), (152, 34297), (153, 34306), (155, 34318), (171, 34408), (172, 34417), (177, 34441), (193, 34561), (198, 34567), (219, 34657), (229, 34672), (231, 34681), (239, 34714), (262, 34825), (263, 34831), (274, 34879), (279, 34894), (286, 34909), (306, 34969), (308, 34978), (313, 34993), (328, 35074), (336, 35104), (341, 35134), (351, 35182), (372, 35260), (383, 35308), (385, 35317), (394, 35344), (410, 35383),

Gene: PhineBark_36 Start: 30329, Stop: 31828, Start Num: 115
Candidate Starts for PhineBark_36:
(Start: 66 @30233 has 28 MA's), (Start: 70 @30239 has 3 MA's), (Start: 72 @30245 has 9 MA's), (Start: 73 @30248 has 10 MA's), (Start: 83 @30263 has 1 MA's), (Start: 111 @30314 has 170 MA's), (Start: 115 @30329 has 10 MA's), (147, 30533), (149, 30539), (153, 30560), (173, 30677), (175, 30689), (177, 30698), (178, 30707), (189, 30803), (192, 30815), (197, 30836), (200, 30848), (203, 30872), (234, 31043), (246, 31103), (258, 31160), (264, 31187), (268, 31214), (270, 31217), (273, 31229), (303, 31337), (326, 31451), (330, 31466), (378, 31685),

Gene: Phlippers_35 Start: 29975, Stop: 31474, Start Num: 111
Candidate Starts for Phlippers_35:
(Start: 58 @29885 has 1 MA's), (Start: 86 @29930 has 3 MA's), (Start: 111 @29975 has 170 MA's), (Start: 115 @29990 has 10 MA's), (117, 29999), (149, 30200), (173, 30338), (175, 30350), (177, 30359), (178, 30368), (192, 30476), (197, 30497), (200, 30509), (203, 30533), (211, 30575), (234, 30704), (246, 30764), (258, 30821), (264, 30848), (268, 30875), (270, 30878), (273, 30890), (301, 30989), (313, 31028), (326, 31109), (330, 31124), (351, 31229), (378, 31343), (409, 31442), (417, 31466),

Gene: PhrostyMug_38 Start: 29522, Stop: 31114, Start Num: 62
Candidate Starts for PhrostyMug_38:
(Start: 62 @29522 has 1 MA's), (Start: 66 @29531 has 28 MA's), (Start: 70 @29537 has 3 MA's), (Start: 72 @29543 has 9 MA's), (Start: 73 @29546 has 10 MA's), (Start: 83 @29561 has 1 MA's), (Start: 111 @29612 has 170 MA's), (Start: 115 @29627 has 10 MA's), (147, 29831), (149, 29837), (175, 29987), (177, 29996), (178, 30005), (192, 30113), (197, 30134), (200, 30146), (203, 30170), (211, 30212), (234, 30341), (246, 30401), (258, 30458), (268, 30512), (273, 30527), (303, 30635), (313, 30668), (320, 30713), (326, 30749), (330, 30764), (378, 30983), (409, 31082), (417, 31106),

Gene: PinkPlastic_36 Start: 29201, Stop: 30703, Start Num: 111
Candidate Starts for PinkPlastic_36:
(Start: 66 @29120 has 28 MA's), (Start: 70 @29126 has 3 MA's), (Start: 72 @29132 has 9 MA's), (Start: 73 @29135 has 10 MA's), (Start: 83 @29150 has 1 MA's), (Start: 111 @29201 has 170 MA's), (Start: 115 @29216 has 10 MA's), (147, 29420), (149, 29426), (173, 29564), (175, 29576), (177, 29585), (178, 29594), (192, 29702), (197, 29723), (200, 29735), (211, 29801), (234, 29930), (246, 29990), (258, 30047), (264, 30074), (268, 30101), (273, 30116), (293, 30185), (301, 30218), (303, 30224), (313, 30257), (326, 30338), (330, 30353), (351, 30458), (378, 30572), (409, 30671), (417, 30695),

Gene: Pinto_39 Start: 29632, Stop: 31134, Start Num: 111
Candidate Starts for Pinto_39:
(53, 29530), (Start: 61 @29542 has 1 MA's), (Start: 66 @29551 has 28 MA's), (Start: 70 @29557 has 3 MA's), (Start: 72 @29563 has 9 MA's), (Start: 73 @29566 has 10 MA's), (Start: 83 @29581 has 1 MA's), (Start: 111 @29632 has 170 MA's), (Start: 113 @29641 has 16 MA's), (Start: 115 @29647 has 10 MA's), (117, 29656), (118, 29665), (147, 29851), (149, 29857), (152, 29869), (153, 29878), (173, 29995), (175, 30007), (177, 30016), (178, 30025), (189, 30121), (192, 30133), (200, 30166), (211, 30232), (234, 30361), (246, 30421), (258, 30478), (268, 30532), (273, 30547), (301, 30649), (303, 30655), (313, 30688), (314, 30691), (323, 30754), (330, 30784), (351, 30889), (378, 31003), (409, 31102), (417, 31126),

Gene: Pippin_39 Start: 29765, Stop: 31279, Start Num: 111
Candidate Starts for Pippin_39:
(Start: 66 @29684 has 28 MA's), (Start: 70 @29690 has 3 MA's), (Start: 72 @29696 has 9 MA's), (Start: 73 @29699 has 10 MA's), (Start: 83 @29714 has 1 MA's), (Start: 111 @29765 has 170 MA's), (Start: 115 @29780 has 10 MA's), (147, 29984), (149, 29990), (153, 30011), (173, 30128), (175, 30140), (177, 30149), (178, 30158), (192, 30266), (197, 30287), (200, 30299), (203, 30323), (211, 30365), (234, 30494), (246, 30554), (258, 30611), (264, 30638), (268, 30665), (270, 30668), (273, 30680), (293, 30749), (301, 30782), (303, 30788), (313, 30821), (326, 30902), (330, 30917), (351, 31022), (378, 31136),

Gene: Pita2_39 Start: 30092, Stop: 31594, Start Num: 111
Candidate Starts for Pita2_39:
(Start: 66 @30011 has 28 MA's), (Start: 70 @30017 has 3 MA's), (Start: 72 @30023 has 9 MA's), (Start: 73 @30026 has 10 MA's), (Start: 83 @30041 has 1 MA's), (Start: 111 @30092 has 170 MA's), (Start: 113 @30101 has 16 MA's), (Start: 115 @30107 has 10 MA's), (132, 30209), (134, 30227), (137, 30239), (147, 30311), (149, 30317), (152, 30329), (153, 30338), (173, 30455), (175, 30467), (177, 30476), (178, 30485), (191, 30587), (192, 30593), (197, 30614), (200, 30626), (211, 30692), (234, 30821), (246, 30881), (258, 30938), (268, 30992), (273, 31007), (301, 31109), (303, 31115), (313, 31148), (314, 31151), (323, 31214), (330, 31244), (351, 31349), (378, 31463), (409, 31562), (417, 31586),

Gene: Poompha_32 Start: 23841, Stop: 25496, Start Num: 101
Candidate Starts for Poompha_32:
(Start: 83 @23802 has 1 MA's), (Start: 101 @23841 has 3 MA's), (Start: 108 @23850 has 3 MA's), (Start: 113 @23868 has 16 MA's), (118, 23892), (128, 23967), (132, 23976), (134, 23994), (147, 24078), (148, 24081), (155, 24117), (172, 24219), (177, 24243), (178, 24252), (189, 24348), (197, 24384), (204, 24423), (206, 24432), (208, 24435), (226, 24552), (232, 24573), (234, 24588), (238, 24600), (245, 24648), (253, 24693), (268, 24765), (276, 24789), (303, 24909), (308, 24927), (309, 24930), (310, 24933), (337, 25068), (378, 25257), (405, 25350), (417, 25380), (420, 25404), (423, 25452), (425, 25470),

Gene: PowerRanger_39 Start: 30417, Stop: 31985, Start Num: 73
Candidate Starts for PowerRanger_39:
(Start: 66 @30402 has 28 MA's), (Start: 70 @30408 has 3 MA's), (Start: 72 @30414 has 9 MA's), (Start: 73 @30417 has 10 MA's), (Start: 83 @30432 has 1 MA's), (Start: 111 @30483 has 170 MA's), (147, 30702), (149, 30708), (153, 30729), (175, 30858), (177, 30867), (178, 30876), (192, 30984), (197, 31005), (200, 31017), (203, 31041), (211, 31083), (234, 31212), (246, 31272), (258, 31329), (264, 31356), (268, 31383), (273, 31398), (303, 31506), (313, 31539), (326, 31620), (330, 31635), (351, 31740), (378, 31854), (409, 31953), (417, 31977),

Gene: PrincePatrick_38 Start: 29413, Stop: 30801, Start Num: 111
Candidate Starts for PrincePatrick_38:
(Start: 111 @29413 has 170 MA's), (119, 29455), (Start: 121 @29470 has 3 MA's), (147, 29626), (158, 29683), (179, 29803), (183, 29836), (188, 29890), (190, 29896), (195, 29923), (202, 29959), (229, 30091), (243, 30151), (247, 30184), (251, 30202), (271, 30277), (274, 30289), (284, 30304), (299, 30340), (309, 30394), (313, 30406), (329, 30487), (344, 30559), (349, 30580), (356, 30613), (358, 30622), (359, 30625), (363, 30637), (364, 30640), (367, 30649), (394, 30745), (402, 30766), (413, 30781),

Gene: ProMouse_35 Start: 29463, Stop: 31043, Start Num: 66
Candidate Starts for ProMouse_35:
(17, 29307), (18, 29310), (21, 29325), (35, 29388), (Start: 66 @29463 has 28 MA's), (Start: 70 @29469 has 3 MA's), (Start: 72 @29475 has 9 MA's), (Start: 73 @29478 has 10 MA's), (Start: 83 @29493 has 1 MA's), (Start: 111 @29544 has 170 MA's), (Start: 115 @29559 has 10 MA's), (147, 29763), (149, 29769), (153, 29790), (173, 29907), (175, 29919), (177, 29928), (178, 29937), (179, 29943), (189, 30033), (192, 30045), (200, 30078), (211, 30144), (234, 30273), (246, 30333), (258, 30390), (268, 30444), (273, 30459), (301, 30558), (313, 30597), (314, 30600), (326, 30678), (330, 30693), (378, 30912), (409, 31011), (417, 31035),

Gene: Psycho_39 Start: 31271, Stop: 32716, Start Num: 100
Candidate Starts for Psycho_39:
(30, 31100), (40, 31136), (78, 31223), (Start: 100 @31271 has 7 MA's), (Start: 121 @31346 has 3 MA's), (122, 31358), (142, 31469), (143, 31472), (148, 31505), (153, 31529), (164, 31592), (177, 31667), (221, 31943), (274, 32165), (277, 32177), (296, 32225), (300, 32255), (306, 32276), (313, 32300), (344, 32453), (362, 32534), (365, 32540), (369, 32552), (377, 32588), (379, 32594), (382, 32612), (383, 32615), (388, 32630), (390, 32636), (407, 32684), (412, 32693),

Gene: Puginator_54 Start: 37656, Stop: 39170, Start Num: 49
Candidate Starts for Puginator_54:
(Start: 49 @37656 has 1 MA's), (57, 37668), (Start: 62 @37677 has 1 MA's), (Start: 67 @37689 has 3 MA's), (Start: 90 @37740 has 5 MA's), (Start: 95 @37749 has 10 MA's), (142, 37959), (149, 37986), (175, 38124), (193, 38253), (205, 38301), (229, 38412), (231, 38421), (236, 38448), (242, 38469), (243, 38472), (249, 38511), (252, 38526), (291, 38667), (292, 38670), (312, 38754), (338, 38871), (344, 38907), (355, 38961), (356, 38964), (367, 38997), (383, 39063), (403, 39120), (419, 39159),

Gene: Puppet_37 Start: 29394, Stop: 30959, Start Num: 73
Candidate Starts for Puppet_37:
(Start: 66 @29379 has 28 MA's), (Start: 70 @29385 has 3 MA's), (Start: 72 @29391 has 9 MA's), (Start: 73 @29394 has 10 MA's), (Start: 83 @29409 has 1 MA's), (Start: 111 @29460 has 170 MA's), (147, 29679), (149, 29685), (153, 29706), (175, 29835), (177, 29844), (178, 29853), (192, 29961), (197, 29982), (200, 29994), (203, 30018), (211, 30060), (234, 30189), (246, 30249), (258, 30306), (264, 30333), (268, 30360), (270, 30363), (273, 30375), (301, 30474), (313, 30513), (326, 30594), (330, 30609), (351, 30714), (378, 30828), (409, 30927), (417, 30951),

Gene: QTRlifeCrisis_38 Start: 30185, Stop: 31672, Start Num: 115
Candidate Starts for QTRlifeCrisis_38:
(Start: 66 @30089 has 28 MA's), (Start: 70 @30095 has 3 MA's), (Start: 72 @30101 has 9 MA's), (Start: 73 @30104 has 10 MA's), (Start: 83 @30119 has 1 MA's), (Start: 111 @30170 has 170 MA's), (Start: 115 @30185 has 10 MA's), (147, 30389), (149, 30395), (152, 30407), (153, 30416), (175, 30545), (177, 30554), (178, 30563), (192, 30671), (197, 30692), (200, 30704), (203, 30728), (211, 30770), (234, 30899), (240, 30917), (246, 30959), (258, 31016), (264, 31043), (268, 31070), (270, 31073), (273, 31085), (293, 31154), (301, 31187), (303, 31193), (313, 31226), (326, 31307), (330, 31322), (351, 31427), (378, 31541), (409, 31640), (417, 31664),

Gene: R4_53 Start: 37594, Stop: 39006, Start Num: 95
Candidate Starts for R4_53:
(Start: 95 @37594 has 10 MA's), (96, 37597), (Start: 125 @37723 has 1 MA's), (127, 37729), (132, 37738), (142, 37801), (158, 37879), (166, 37909), (167, 37912), (175, 37966), (193, 38095), (199, 38104), (205, 38143), (211, 38173), (216, 38218), (231, 38263), (243, 38314), (252, 38368), (272, 38452), (312, 38590), (344, 38743), (352, 38782), (356, 38800), (367, 38833), (370, 38842), (383, 38899), (390, 38914), (403, 38956), (408, 38962), (419, 38995),

Gene: REQ1_22 Start: 7618, Stop: 9012, Start Num: 98
Candidate Starts for REQ1_22:
(Start: 98 @7618 has 1 MA's), (117, 7663), (Start: 121 @7693 has 3 MA's), (128, 7747), (132, 7756), (135, 7774), (173, 7990), (182, 8050), (202, 8182), (204, 8194), (210, 8221), (231, 8305), (252, 8410), (284, 8509), (298, 8539), (300, 8566), (301, 8572), (306, 8587), (313, 8611), (335, 8719), (347, 8779), (355, 8821), (377, 8896), (383, 8923),

Gene: Raid_38 Start: 29509, Stop: 31092, Start Num: 66
Candidate Starts for Raid_38:
(Start: 66 @29509 has 28 MA's), (Start: 70 @29515 has 3 MA's), (Start: 72 @29521 has 9 MA's), (Start: 73 @29524 has 10 MA's), (Start: 83 @29539 has 1 MA's), (Start: 111 @29590 has 170 MA's), (Start: 115 @29605 has 10 MA's), (117, 29614), (149, 29815), (152, 29827), (173, 29953), (175, 29965), (177, 29974), (178, 29983), (192, 30091), (197, 30112), (200, 30124), (203, 30148), (211, 30190), (234, 30319), (246, 30379), (258, 30436), (268, 30490), (273, 30505), (301, 30607), (303, 30613), (313, 30646), (326, 30727), (330, 30742), (378, 30961), (409, 31060), (417, 31084),

Gene: Rajelicia_37 Start: 29587, Stop: 31089, Start Num: 111
Candidate Starts for Rajelicia_37:
(Start: 66 @29506 has 28 MA's), (Start: 70 @29512 has 3 MA's), (Start: 72 @29518 has 9 MA's), (Start: 73 @29521 has 10 MA's), (Start: 83 @29536 has 1 MA's), (Start: 111 @29587 has 170 MA's), (Start: 115 @29602 has 10 MA's), (149, 29812), (152, 29824), (153, 29833), (175, 29962), (177, 29971), (178, 29980), (192, 30088), (197, 30109), (200, 30121), (203, 30145), (211, 30187), (234, 30316), (246, 30376), (258, 30433), (264, 30460), (268, 30487), (270, 30490), (273, 30502), (293, 30571), (301, 30604), (303, 30610), (313, 30643), (326, 30724), (330, 30739), (351, 30844), (378, 30958), (409, 31057), (417, 31081),

Gene: Rando14_40 Start: 30508, Stop: 31914, Start Num: 111
Candidate Starts for Rando14_40:
(Start: 105 @30499 has 5 MA's), (Start: 111 @30508 has 170 MA's), (124, 30595), (132, 30628), (147, 30721), (155, 30760), (162, 30805), (169, 30829), (176, 30880), (182, 30922), (187, 30970), (190, 30991), (195, 31018), (197, 31027), (201, 31051), (202, 31054), (206, 31075), (210, 31093), (224, 31165), (233, 31171), (272, 31342), (282, 31372), (285, 31390), (306, 31474), (313, 31498), (316, 31510), (325, 31567), (335, 31606), (337, 31618), (343, 31654), (349, 31678), (360, 31726), (363, 31735), (371, 31759), (387, 31825), (392, 31837), (394, 31846), (411, 31876), (415, 31891),

Gene: RegnumDei_43 Start: 32308, Stop: 33900, Start Num: 33
Candidate Starts for RegnumDei_43:
(33, 32308), (45, 32356), (50, 32368), (Start: 109 @32479 has 1 MA's), (Start: 111 @32482 has 170 MA's), (Start: 121 @32539 has 3 MA's), (128, 32593), (132, 32602), (147, 32698), (153, 32725), (173, 32839), (187, 32947), (197, 33001), (224, 33151), (230, 33169), (231, 33172), (251, 33274), (253, 33283), (313, 33499), (323, 33559), (341, 33640), (363, 33733), (380, 33790), (384, 33814), (385, 33820), (396, 33850),

Gene: Reindeer_133 Start: 71279, Stop: 69777, Start Num: 61
Candidate Starts for Reindeer_133:
(Start: 61 @71279 has 1 MA's), (76, 71246), (Start: 80 @71237 has 21 MA's), (117, 71165), (139, 71042), (142, 71018), (155, 70946), (161, 70907), (172, 70829), (175, 70814), (182, 70766), (186, 70727), (199, 70670), (210, 70610), (246, 70448), (263, 70376), (279, 70322), (302, 70241), (312, 70208), (317, 70175), (333, 70109), (344, 70052), (363, 69974), (375, 69929), (391, 69872), (403, 69830),

Gene: Rey_148 Start: 70427, Stop: 68973, Start Num: 80
Candidate Starts for Rey_148:
(48, 70490), (Start: 61 @70469 has 1 MA's), (76, 70436), (Start: 80 @70427 has 21 MA's), (112, 70373), (117, 70355), (155, 70136), (172, 70019), (182, 69956), (199, 69866), (206, 69824), (243, 69671), (253, 69611), (271, 69545), (279, 69518), (302, 69437), (311, 69407), (313, 69401), (314, 69398), (344, 69248), (349, 69227), (363, 69170), (391, 69068),

Gene: Rhynn_37 Start: 29603, Stop: 31105, Start Num: 111
Candidate Starts for Rhynn_37:
(Start: 66 @29522 has 28 MA's), (Start: 70 @29528 has 3 MA's), (Start: 72 @29534 has 9 MA's), (Start: 73 @29537 has 10 MA's), (Start: 83 @29552 has 1 MA's), (Start: 111 @29603 has 170 MA's), (Start: 115 @29618 has 10 MA's), (122, 29669), (149, 29828), (175, 29978), (177, 29987), (178, 29996), (192, 30104), (197, 30125), (200, 30137), (203, 30161), (211, 30203), (234, 30332), (246, 30392), (258, 30449), (264, 30476), (268, 30503), (273, 30518), (293, 30587), (303, 30626), (313, 30659), (326, 30740), (330, 30755), (351, 30860), (378, 30974), (409, 31073), (417, 31097),

Gene: RidgeCB_37 Start: 29192, Stop: 30691, Start Num: 111
Candidate Starts for RidgeCB_37:
(Start: 86 @29147 has 3 MA's), (Start: 111 @29192 has 170 MA's), (Start: 115 @29207 has 10 MA's), (117, 29216), (137, 29339), (147, 29411), (149, 29417), (153, 29438), (159, 29471), (175, 29567), (177, 29576), (178, 29585), (192, 29693), (197, 29714), (200, 29726), (203, 29750), (211, 29792), (234, 29921), (246, 29981), (258, 30038), (264, 30065), (268, 30092), (270, 30095), (273, 30107), (301, 30206), (313, 30245), (326, 30326), (330, 30341), (351, 30446), (378, 30560), (381, 30572), (409, 30659), (417, 30683),

Gene: Ringer_38 Start: 30000, Stop: 31502, Start Num: 111
Candidate Starts for Ringer_38:
(Start: 61 @29910 has 1 MA's), (Start: 66 @29919 has 28 MA's), (Start: 70 @29925 has 3 MA's), (Start: 72 @29931 has 9 MA's), (Start: 73 @29934 has 10 MA's), (Start: 83 @29949 has 1 MA's), (Start: 111 @30000 has 170 MA's), (Start: 115 @30015 has 10 MA's), (117, 30024), (147, 30219), (149, 30225), (175, 30375), (177, 30384), (178, 30393), (179, 30399), (189, 30489), (192, 30501), (200, 30534), (234, 30729), (246, 30789), (258, 30846), (268, 30900), (273, 30915), (301, 31017), (303, 31023), (313, 31056), (326, 31137), (330, 31152), (378, 31371), (409, 31470), (417, 31494),

Gene: Rohr_38 Start: 29540, Stop: 31123, Start Num: 66
Candidate Starts for Rohr_38:

(Start: 66 @29540 has 28 MA's), (Start: 70 @29546 has 3 MA's), (Start: 72 @29552 has 9 MA's), (Start: 73 @29555 has 10 MA's), (Start: 83 @29570 has 1 MA's), (Start: 111 @29621 has 170 MA's), (Start: 113 @29630 has 16 MA's), (Start: 115 @29636 has 10 MA's), (117, 29645), (118, 29654), (149, 29846), (152, 29858), (153, 29867), (159, 29900), (175, 29996), (177, 30005), (178, 30014), (192, 30122), (197, 30143), (200, 30155), (203, 30179), (211, 30221), (234, 30350), (246, 30410), (258, 30467), (264, 30494), (268, 30521), (270, 30524), (273, 30536), (293, 30605), (301, 30638), (303, 30644), (313, 30677), (326, 30758), (330, 30773), (351, 30878), (378, 30992), (409, 31091), (417, 31115),

Gene: RoseMarie_140 Start: 73018, Stop: 71558, Start Num: 80
Candidate Starts for RoseMarie_140:
(76, 73027), (Start: 80 @73018 has 21 MA's), (117, 72946), (120, 72928), (139, 72823), (142, 72799), (155, 72727), (172, 72610), (182, 72547), (196, 72463), (199, 72451), (206, 72409), (210, 72391), (223, 72328), (246, 72229), (247, 72223), (250, 72208), (263, 72157), (271, 72130), (279, 72103), (299, 72046), (302, 72022), (326, 71917), (327, 71911), (344, 71833), (363, 71755), (375, 71710), (391, 71653),

Gene: Rufus_39 Start: 29957, Stop: 31459, Start Num: 111
Candidate Starts for Rufus_39:
(Start: 66 @29876 has 28 MA's), (Start: 70 @29882 has 3 MA's), (Start: 72 @29888 has 9 MA's), (Start: 73 @29891 has 10 MA's), (Start: 83 @29906 has 1 MA's), (Start: 111 @29957 has 170 MA's), (147, 30176), (149, 30182), (153, 30203), (173, 30320), (175, 30332), (177, 30341), (178, 30350), (192, 30458), (197, 30479), (200, 30491), (203, 30515), (211, 30557), (234, 30686), (246, 30746), (258, 30803), (264, 30830), (268, 30857), (273, 30872), (303, 30980), (313, 31013), (323, 31079), (330, 31109), (351, 31214), (378, 31328), (409, 31427), (417, 31451),

Gene: Ruotula_37 Start: 30065, Stop: 31648, Start Num: 66
Candidate Starts for Ruotula_37:
(Start: 66 @30065 has 28 MA's), (Start: 70 @30071 has 3 MA's), (Start: 72 @30077 has 9 MA's), (Start: 73 @30080 has 10 MA's), (Start: 83 @30095 has 1 MA's), (Start: 111 @30146 has 170 MA's), (128, 30254), (149, 30371), (153, 30392), (175, 30521), (177, 30530), (178, 30539), (192, 30647), (197, 30668), (200, 30680), (203, 30704), (211, 30746), (234, 30875), (246, 30935), (258, 30992), (268, 31046), (273, 31061), (293, 31130), (303, 31169), (313, 31202), (326, 31283), (330, 31298), (378, 31517), (409, 31616), (417, 31640),

Gene: Rusticus_50 Start: 34372, Stop: 35694, Start Num: 113
Candidate Starts for Rusticus_50:
(Start: 110 @34360 has 5 MA's), (Start: 113 @34372 has 16 MA's), (117, 34387), (127, 34474), (Start: 129 @34477 has 1 MA's), (135, 34501), (145, 34552), (152, 34594), (153, 34603), (155, 34615), (171, 34705), (172, 34714), (177, 34738), (193, 34858), (198, 34864), (219, 34954), (229, 34969), (231, 34978), (239, 35011), (262, 35122), (263, 35128), (274, 35176), (279, 35191), (286, 35206), (306, 35266), (308, 35275), (313, 35290), (327, 35368), (336, 35401), (341, 35431), (351, 35479), (372, 35557), (383, 35605), (385, 35614), (394, 35641), (410, 35680),

Gene: Rutherferd_39 Start: 30225, Stop: 31727, Start Num: 111
Candidate Starts for Rutherferd_39:
(Start: 66 @30144 has 28 MA's), (Start: 70 @30150 has 3 MA's), (Start: 72 @30156 has 9 MA's), (Start: 73 @30159 has 10 MA's), (Start: 83 @30174 has 1 MA's), (Start: 111 @30225 has 170 MA's), (117, 30249), (147, 30444), (149, 30450), (152, 30462), (153, 30471), (175, 30600), (177, 30609), (178, 30618), (192, 30726), (197, 30747), (200, 30759), (203, 30783), (211, 30825), (234, 30954), (246, 31014), (258, 31071), (264, 31098), (268, 31125), (273, 31140), (301, 31242), (303, 31248), (313, 31281), (326, 31362), (330, 31377), (378, 31596), (409, 31695), (417, 31719),

Gene: SFuller_50 Start: 35352, Stop: 36737, Start Num: 98
Candidate Starts for SFuller_50:
(4, 34941), (5, 34944), (6, 34980), (9, 35058), (15, 35109), (19, 35139), (51, 35259), (65, 35283), (Start: 98 @35352 has 1 MA's), (117, 35397), (Start: 121 @35427 has 3 MA's), (124, 35457), (132, 35490), (135, 35508), (149, 35589), (169, 35691), (170, 35700), (173, 35724), (182, 35784), (202, 35916), (210, 35955), (231, 36039), (252, 36144), (267, 36204), (284, 36243), (297, 36270), (300, 36300), (301, 36306), (306, 36321), (309, 36333), (313, 36345), (335, 36450), (347, 36510), (350, 36525), (377, 36627), (381, 36639), (383, 36654), (385, 36663), (396, 36693),

Gene: STLscum_38 Start: 30309, Stop: 31877, Start Num: 73
Candidate Starts for STLscum_38:
(Start: 66 @30294 has 28 MA's), (Start: 70 @30300 has 3 MA's), (Start: 72 @30306 has 9 MA's), (Start: 73 @30309 has 10 MA's), (Start: 83 @30324 has 1 MA's), (Start: 111 @30375 has 170 MA's), (128, 30483), (147, 30594), (149, 30600), (153, 30621), (175, 30750), (177, 30759), (178, 30768), (192, 30876), (197, 30897), (200, 30909), (203, 30933), (211, 30975), (234, 31104), (246, 31164), (258, 31221), (264, 31248), (268, 31275), (270, 31278), (273, 31290), (303, 31398), (313, 31431), (326, 31512), (330, 31527), (351, 31632), (378, 31746), (409, 31845), (417, 31869),

Gene: Saftant_50 Start: 36790, Stop: 38202, Start Num: 106
Candidate Starts for Saftant_50:
(71, 36718), (75, 36727), (79, 36736), (87, 36748), (Start: 106 @36790 has 1 MA's), (117, 36820), (145, 36985), (152, 37027), (153, 37036), (155, 37048), (171, 37138), (172, 37147), (173, 37150), (177, 37171), (210, 37360), (231, 37480), (262, 37624), (263, 37630), (274, 37678), (309, 37780), (317, 37822), (321, 37834), (340, 37930), (341, 37933), (359, 38017), (361, 38026), (372, 38059), (383, 38107), (391, 38131), (397, 38152), (406, 38176), (414, 38191),

Gene: Sagefire_39 Start: 30397, Stop: 31899, Start Num: 111
Candidate Starts for Sagefire_39:
(Start: 66 @30316 has 28 MA's), (Start: 70 @30322 has 3 MA's), (Start: 72 @30328 has 9 MA's), (Start: 73 @30331 has 10 MA's), (Start: 83 @30346 has 1 MA's), (Start: 111 @30397 has 170 MA's), (Start: 113 @30406 has 16 MA's), (128, 30505), (132, 30514), (149, 30622), (153, 30643), (175, 30772), (177, 30781), (178, 30790), (192, 30898), (197, 30919), (200, 30931), (203, 30955), (211, 30997), (234, 31126), (246, 31186), (258, 31243), (264, 31270), (268, 31297), (270, 31300), (273, 31312), (301, 31414), (303, 31420), (326, 31534), (330, 31549), (351, 31654), (378, 31768), (409, 31867), (417, 31891),

Gene: Samba_38 Start: 31981, Stop: 33372, Start Num: 111
Candidate Starts for Samba_38:
(41, 31840), (50, 31867), (91, 31951), (Start: 104 @31972 has 1 MA's), (Start: 111 @31981 has 170 MA's), (Start: 121 @32038 has 3 MA's), (132, 32101), (147, 32194), (162, 32278), (163, 32281), (179, 32371), (180, 32377), (183, 32404), (188, 32458), (211, 32575), (228, 32653), (251, 32770), (253, 32779), (266, 32830), (274, 32857), (284, 32872), (302, 32938), (303, 32941), (309, 32962), (313, 32974), (314, 32977), (329, 33055), (341, 33112), (356, 33181), (358, 33190), (364, 33208), (379, 33259), (401, 33334),

Gene: Sandaddy_37 Start: 29421, Stop: 30989, Start Num: 73
Candidate Starts for Sandaddy_37:
(Start: 66 @29406 has 28 MA's), (Start: 70 @29412 has 3 MA's), (Start: 72 @29418 has 9 MA's), (Start: 73 @29421 has 10 MA's), (Start: 83 @29436 has 1 MA's), (Start: 111 @29487 has 170 MA's), (147, 29706), (149, 29712), (153, 29733), (175, 29862), (177, 29871), (178, 29880), (192, 29988), (200, 30021), (203, 30045), (211, 30087), (234, 30216), (246, 30276), (258, 30333), (264, 30360), (268, 30387), (270, 30390), (273, 30402), (293, 30471), (303, 30510), (313, 30543), (326, 30624), (330, 30639), (351, 30744), (378, 30858), (409, 30957), (417, 30981),

Gene: Sanya_36 Start: 30102, Stop: 31670, Start Num: 73
Candidate Starts for Sanya_36:
(Start: 66 @30087 has 28 MA's), (Start: 70 @30093 has 3 MA's), (Start: 72 @30099 has 9 MA's), (Start: 73 @30102 has 10 MA's), (Start: 83 @30117 has 1 MA's), (Start: 111 @30168 has 170 MA's), (Start: 113 @30177 has 16 MA's), (Start: 115 @30183 has 10 MA's), (117, 30192), (147, 30387), (149, 30393), (175, 30543), (177, 30552), (178, 30561), (192, 30669), (197, 30690), (200, 30702), (203, 30726), (211, 30768), (234, 30897), (246, 30957), (258, 31014), (268, 31068), (273, 31083), (303, 31191), (313, 31224), (326, 31305), (330, 31320), (351, 31425), (378, 31539), (409, 31638), (417, 31662),

Gene: SarFire_37 Start: 29648, Stop: 31210, Start Num: 83
Candidate Starts for SarFire_37:
(Start: 66 @29618 has 28 MA's), (Start: 70 @29624 has 3 MA's), (Start: 72 @29630 has 9 MA's), (Start: 73 @29633 has 10 MA's), (Start: 83 @29648 has 1 MA's), (Start: 111 @29699 has 170 MA's), (147, 29918), (149, 29924), (152, 29936), (153, 29945), (175, 30074), (177, 30083), (178, 30092), (192, 30200), (197, 30221), (200, 30233), (203, 30257), (211, 30299), (234, 30428), (246, 30488), (258, 30545), (264, 30572), (268, 30599), (270, 30602), (273, 30614), (301, 30713), (313, 30752), (326, 30833), (330, 30848), (378, 31067),

Gene: Scowl_37 Start: 29862, Stop: 31430, Start Num: 72
Candidate Starts for Scowl_37:
(Start: 66 @29850 has 28 MA's), (Start: 70 @29856 has 3 MA's), (Start: 72 @29862 has 9 MA's), (Start: 73 @29865 has 10 MA's), (Start: 83 @29880 has 1 MA's), (Start: 111 @29931 has 170 MA's), (147, 30150), (149, 30156), (153, 30177), (175, 30306), (177, 30315), (178, 30324), (192, 30432), (197, 30453), (200, 30465), (203, 30489), (211, 30531), (234, 30660), (246, 30720), (258, 30777), (268, 30831), (270, 30834), (273, 30846), (313, 30984), (326, 31065), (330, 31080), (351, 31185), (378, 31299), (381, 31311), (409, 31398), (417, 31422),

Gene: Seabiscuit_39 Start: 29433, Stop: 30935, Start Num: 111
Candidate Starts for Seabiscuit_39:
(Start: 66 @29352 has 28 MA's), (Start: 70 @29358 has 3 MA's), (Start: 72 @29364 has 9 MA's), (Start: 73 @29367 has 10 MA's), (Start: 83 @29382 has 1 MA's), (Start: 111 @29433 has 170 MA's), (147, 29652), (149, 29658), (173, 29796), (175, 29808), (177, 29817), (178, 29826), (179, 29832), (189, 29922), (192, 29934), (200, 29967), (229, 30135), (234, 30162), (246, 30222), (258, 30279), (264, 30306), (268, 30333), (273, 30348), (293, 30417), (303, 30456), (313, 30489), (323, 30555), (330, 30585), (342, 30648), (351, 30690), (353, 30705), (378, 30804), (409, 30903), (417, 30927),

Gene: Seanderson_38 Start: 30061, Stop: 31563, Start Num: 111
Candidate Starts for Seanderson_38:
(Start: 66 @29980 has 28 MA's), (Start: 70 @29986 has 3 MA's), (Start: 72 @29992 has 9 MA's), (Start: 73 @29995 has 10 MA's), (Start: 83 @30010 has 1 MA's), (Start: 111 @30061 has 170 MA's), (149, 30286), (153, 30307), (175, 30436), (177, 30445), (178, 30454), (192, 30562), (197, 30583), (200, 30595), (203, 30619), (234, 30790), (246, 30850), (258, 30907), (264, 30934), (268, 30961), (270, 30964), (273, 30976), (293, 31045), (301, 31078), (303, 31084), (313, 31117), (326, 31198), (330, 31213), (351, 31318), (378, 31432), (409, 31531), (417, 31555),

Gene: Severus_32 Start: 23850, Stop: 25496, Start Num: 108
Candidate Starts for Severus_32:
(Start: 83 @23802 has 1 MA's), (Start: 101 @23841 has 3 MA's), (Start: 108 @23850 has 3 MA's), (Start: 113 @23868 has 16 MA's), (118, 23892), (128, 23967), (132, 23976), (134, 23994), (147, 24078), (148, 24081), (155, 24117), (172, 24219), (177, 24243), (178, 24252), (189, 24348), (197, 24384), (204, 24423), (206, 24432), (208, 24435), (226, 24552), (232, 24573), (234, 24588), (238,

24600), (245, 24648), (253, 24693), (268, 24765), (276, 24789), (303, 24909), (308, 24927), (309, 24930), (310, 24933), (337, 25068), (378, 25257), (405, 25350), (417, 25380), (420, 25404), (423, 25452), (425, 25470),

Gene: Shagrat_42 Start: 32662, Stop: 34170, Start Num: 63
Candidate Starts for Shagrat_42:
(11, 32476), (12, 32485), (21, 32533), (26, 32554), (31, 32575), (32, 32578), (36, 32593), (38, 32605), (39, 32608), (Start: 63 @32662 has 1 MA's), (Start: 111 @32755 has 170 MA's), (117, 32779), (Start: 121 @32812 has 3 MA's), (132, 32875), (158, 33028), (162, 33055), (187, 33220), (204, 33316), (206, 33325), (224, 33427), (229, 33439), (231, 33448), (233, 33454), (252, 33553), (308, 33754), (313, 33769), (316, 33781), (319, 33805), (323, 33829), (341, 33910), (356, 33979), (384, 34084), (396, 34120),

Gene: Sibs6_38 Start: 28591, Stop: 30105, Start Num: 111
Candidate Starts for Sibs6_38:
(Start: 66 @28510 has 28 MA's), (Start: 70 @28516 has 3 MA's), (Start: 72 @28522 has 9 MA's), (Start: 73 @28525 has 10 MA's), (Start: 83 @28540 has 1 MA's), (Start: 111 @28591 has 170 MA's), (Start: 115 @28606 has 10 MA's), (147, 28810), (149, 28816), (153, 28837), (175, 28966), (177, 28975), (178, 28984), (189, 29080), (192, 29092), (200, 29125), (206, 29161), (234, 29320), (246, 29380), (258, 29437), (268, 29491), (273, 29506), (303, 29614), (313, 29647), (314, 29650), (326, 29728), (330, 29743), (378, 29962),

Gene: SkiPole_40 Start: 29928, Stop: 31442, Start Num: 111
Candidate Starts for SkiPole_40:
(54, 29826), (Start: 60 @29838 has 1 MA's), (Start: 66 @29847 has 28 MA's), (Start: 70 @29853 has 3 MA's), (Start: 72 @29859 has 9 MA's), (Start: 73 @29862 has 10 MA's), (Start: 83 @29877 has 1 MA's), (Start: 111 @29928 has 170 MA's), (Start: 115 @29943 has 10 MA's), (117, 29952), (149, 30153), (152, 30165), (153, 30174), (175, 30303), (177, 30312), (178, 30321), (192, 30429), (197, 30450), (200, 30462), (203, 30486), (211, 30528), (234, 30657), (246, 30717), (258, 30774), (264, 30801), (268, 30828), (273, 30843), (293, 30912), (303, 30951), (313, 30984), (326, 31065), (330, 31080), (351, 31185), (378, 31299),

Gene: Skinny_137 Start: 71103, Stop: 69643, Start Num: 80
Candidate Starts for Skinny_137:
(Start: 61 @71145 has 1 MA's), (76, 71112), (Start: 80 @71103 has 21 MA's), (117, 71031), (130, 70950), (139, 70908), (142, 70884), (155, 70812), (172, 70695), (182, 70632), (196, 70548), (199, 70536), (206, 70494), (210, 70476), (246, 70314), (250, 70293), (263, 70242), (271, 70215), (279, 70188), (314, 70068), (344, 69918), (363, 69840), (375, 69795), (391, 69738),

Gene: Slagathor_38 Start: 29511, Stop: 31013, Start Num: 111
Candidate Starts for Slagathor_38:
(Start: 66 @29430 has 28 MA's), (Start: 70 @29436 has 3 MA's), (Start: 72 @29442 has 9 MA's), (Start: 73 @29445 has 10 MA's), (Start: 83 @29460 has 1 MA's), (Start: 111 @29511 has 170 MA's), (Start: 115 @29526 has 10 MA's), (149, 29736), (152, 29748), (153, 29757), (175, 29886), (177, 29895), (178, 29904), (192, 30012), (197, 30033), (200, 30045), (203, 30069), (211, 30111), (234, 30240), (246, 30300), (258, 30357), (264, 30384), (268, 30411), (270, 30414), (273, 30426), (293, 30495), (301, 30528), (303, 30534), (313, 30567), (326, 30648), (330, 30663), (351, 30768), (378, 30882), (409, 30981), (417, 31005),

Gene: SlimJimmy_130 Start: 69812, Stop: 68352, Start Num: 80
Candidate Starts for SlimJimmy_130:
(Start: 61 @69854 has 1 MA's), (76, 69821), (Start: 80 @69812 has 21 MA's), (117, 69740), (130, 69659), (139, 69617), (142, 69593), (155, 69521), (172, 69404), (182, 69341), (196, 69257), (199,

69245), (206, 69203), (210, 69185), (246, 69023), (250, 69002), (263, 68951), (271, 68924), (279, 68897), (314, 68777), (344, 68627), (363, 68549), (375, 68504), (391, 68447),

Gene: Smairt_38 Start: 29608, Stop: 31107, Start Num: 111
Candidate Starts for Smairt_38:
(Start: 60 @29518 has 1 MA's), (Start: 86 @29563 has 3 MA's), (Start: 111 @29608 has 170 MA's), (Start: 115 @29623 has 10 MA's), (117, 29632), (137, 29755), (147, 29827), (149, 29833), (153, 29854), (175, 29983), (177, 29992), (178, 30001), (192, 30109), (197, 30130), (200, 30142), (203, 30166), (211, 30208), (234, 30337), (246, 30397), (258, 30454), (264, 30481), (268, 30508), (270, 30511), (273, 30523), (301, 30622), (313, 30661), (314, 30664), (326, 30742), (330, 30757), (378, 30976), (409, 31075), (417, 31099),

Gene: Smeagol_39 Start: 30836, Stop: 32335, Start Num: 111
Candidate Starts for Smeagol_39:
(Start: 111 @30836 has 170 MA's), (Start: 115 @30851 has 10 MA's), (128, 30944), (134, 30971), (137, 30983), (147, 31055), (149, 31061), (152, 31073), (153, 31082), (159, 31115), (164, 31145), (165, 31148), (175, 31211), (178, 31229), (189, 31325), (192, 31337), (200, 31370), (203, 31394), (213, 31448), (215, 31463), (220, 31493), (234, 31565), (246, 31625), (253, 31667), (258, 31682), (264, 31709), (266, 31724), (267, 31727), (268, 31736), (273, 31751), (301, 31850), (313, 31889), (318, 31928), (320, 31934), (326, 31970), (330, 31985), (334, 32000), (351, 32090), (378, 32204), (380, 32210), (409, 32303), (417, 32327),

Gene: Snazzy_36 Start: 29422, Stop: 30936, Start Num: 111
Candidate Starts for Snazzy_36:
(Start: 66 @29341 has 28 MA's), (Start: 70 @29347 has 3 MA's), (Start: 72 @29353 has 9 MA's), (Start: 73 @29356 has 10 MA's), (Start: 83 @29371 has 1 MA's), (Start: 111 @29422 has 170 MA's), (Start: 115 @29437 has 10 MA's), (147, 29641), (149, 29647), (173, 29785), (175, 29797), (177, 29806), (178, 29815), (189, 29911), (192, 29923), (200, 29956), (206, 29992), (234, 30151), (246, 30211), (258, 30268), (264, 30295), (268, 30322), (273, 30337), (301, 30439), (303, 30445), (313, 30478), (314, 30481), (318, 30517), (326, 30559), (330, 30574), (351, 30679), (378, 30793),

Gene: SoSeph_38 Start: 31463, Stop: 32869, Start Num: 111
Candidate Starts for SoSeph_38:
(Start: 105 @31454 has 5 MA's), (Start: 111 @31463 has 170 MA's), (132, 31583), (162, 31760), (169, 31784), (176, 31835), (182, 31877), (187, 31925), (190, 31946), (195, 31973), (197, 31982), (202, 32009), (206, 32030), (210, 32048), (214, 32075), (224, 32120), (233, 32126), (253, 32231), (272, 32297), (274, 32306), (282, 32327), (285, 32345), (313, 32453), (315, 32462), (316, 32465), (335, 32561), (337, 32573), (343, 32609), (360, 32681), (363, 32690), (377, 32741), (387, 32780), (392, 32792), (394, 32801), (411, 32831), (415, 32846),

Gene: Solon_37 Start: 29718, Stop: 31220, Start Num: 111
Candidate Starts for Solon_37:
(Start: 66 @29637 has 28 MA's), (Start: 70 @29643 has 3 MA's), (Start: 72 @29649 has 9 MA's), (Start: 73 @29652 has 10 MA's), (Start: 83 @29667 has 1 MA's), (Start: 111 @29718 has 170 MA's), (128, 29826), (147, 29937), (149, 29943), (153, 29964), (175, 30093), (177, 30102), (178, 30111), (192, 30219), (197, 30240), (200, 30252), (203, 30276), (211, 30318), (234, 30447), (246, 30507), (258, 30564), (264, 30591), (268, 30618), (273, 30633), (293, 30702), (303, 30741), (313, 30774), (326, 30855), (330, 30870), (351, 30975), (378, 31089), (381, 31101), (409, 31188), (417, 31212),

Gene: Soondubu_46 Start: 37732, Stop: 39171, Start Num: 99
Candidate Starts for Soondubu_46:
(93, 37720), (Start: 99 @37732 has 1 MA's), (Start: 103 @37738 has 1 MA's), (112, 37756), (128, 37852), (142, 37924), (151, 37969), (152, 37975), (164, 38035), (174, 38095), (203, 38263), (241,

38422), (283, 38590), (304, 38644), (325, 38737), (335, 38776), (343, 38824), (374, 38947), (377, 38959), (379, 38965), (382, 38983), (421, 39103),

Gene: Sorpresa_37 Start: 29408, Stop: 30991, Start Num: 66
Candidate Starts for Sorpresa_37:
(Start: 66 @29408 has 28 MA's), (Start: 70 @29414 has 3 MA's), (Start: 72 @29420 has 9 MA's), (Start: 73 @29423 has 10 MA's), (Start: 83 @29438 has 1 MA's), (Start: 111 @29489 has 170 MA's), (147, 29708), (149, 29714), (153, 29735), (175, 29864), (177, 29873), (178, 29882), (192, 29990), (200, 30023), (203, 30047), (211, 30089), (234, 30218), (246, 30278), (258, 30335), (264, 30362), (268, 30389), (270, 30392), (273, 30404), (293, 30473), (303, 30512), (313, 30545), (326, 30626), (330, 30641), (351, 30746), (378, 30860), (409, 30959), (417, 30983),

Gene: SpikeBT_39 Start: 30421, Stop: 31968, Start Num: 86
Candidate Starts for SpikeBT_39:
(Start: 86 @30421 has 3 MA's), (Start: 111 @30466 has 170 MA's), (118, 30499), (147, 30685), (149, 30691), (153, 30712), (175, 30841), (177, 30850), (178, 30859), (192, 30967), (197, 30988), (200, 31000), (203, 31024), (211, 31066), (234, 31195), (246, 31255), (258, 31312), (264, 31339), (268, 31366), (270, 31369), (273, 31381), (293, 31450), (303, 31489), (313, 31522), (326, 31603), (330, 31618), (378, 31837), (381, 31849), (409, 31936), (417, 31960),

Gene: Squee_38 Start: 30273, Stop: 31787, Start Num: 111
Candidate Starts for Squee_38:
(Start: 66 @30192 has 28 MA's), (Start: 70 @30198 has 3 MA's), (Start: 72 @30204 has 9 MA's), (Start: 73 @30207 has 10 MA's), (Start: 83 @30222 has 1 MA's), (Start: 111 @30273 has 170 MA's), (149, 30498), (153, 30519), (173, 30636), (175, 30648), (177, 30657), (178, 30666), (192, 30774), (197, 30795), (200, 30807), (203, 30831), (211, 30873), (234, 31002), (246, 31062), (258, 31119), (268, 31173), (273, 31188), (303, 31296), (313, 31329), (314, 31332), (326, 31410), (330, 31425), (332, 31431), (378, 31644), (381, 31656),

Gene: StrongArm_36 Start: 30501, Stop: 32003, Start Num: 111
Candidate Starts for StrongArm_36:
(Start: 66 @30420 has 28 MA's), (Start: 70 @30426 has 3 MA's), (Start: 72 @30432 has 9 MA's), (Start: 73 @30435 has 10 MA's), (Start: 83 @30450 has 1 MA's), (Start: 111 @30501 has 170 MA's), (149, 30726), (173, 30864), (175, 30876), (177, 30885), (178, 30894), (192, 31002), (197, 31023), (200, 31035), (203, 31059), (211, 31101), (232, 31215), (234, 31230), (246, 31290), (258, 31347), (264, 31374), (268, 31401), (270, 31404), (273, 31416), (303, 31524), (313, 31557), (326, 31638), (330, 31653), (378, 31872), (409, 31971), (417, 31995),

Gene: SuMoo_64 Start: 40543, Stop: 42009, Start Num: 107
Candidate Starts for SuMoo_64:
(Start: 107 @40543 has 6 MA's), (142, 40735), (172, 40906), (174, 40918), (229, 41191), (231, 41200), (312, 41539), (337, 41653), (372, 41803), (414, 41917),

Gene: Sudan_52 Start: 36704, Stop: 38122, Start Num: 105
Candidate Starts for Sudan_52:
(92, 36680), (Start: 105 @36704 has 5 MA's), (117, 36734), (Start: 125 @36815 has 1 MA's), (145, 36899), (146, 36917), (152, 36941), (153, 36950), (155, 36962), (160, 36989), (168, 37022), (172, 37061), (173, 37064), (177, 37085), (198, 37211), (210, 37274), (233, 37400), (243, 37445), (262, 37538), (286, 37622), (305, 37679), (308, 37691), (313, 37706), (329, 37790), (335, 37811), (341, 37847), (348, 37880), (368, 37958), (383, 38021), (389, 38039), (399, 38075),

Gene: Sumter_36 Start: 29449, Stop: 30951, Start Num: 111
Candidate Starts for Sumter_36:

(Start: 66 @29368 has 28 MA's), (Start: 70 @29374 has 3 MA's), (Start: 72 @29380 has 9 MA's), (Start: 73 @29383 has 10 MA's), (Start: 83 @29398 has 1 MA's), (Start: 111 @29449 has 170 MA's), (147, 29668), (149, 29674), (175, 29824), (177, 29833), (178, 29842), (192, 29950), (197, 29971), (200, 29983), (203, 30007), (211, 30049), (234, 30178), (246, 30238), (258, 30295), (264, 30322), (268, 30349), (270, 30352), (273, 30364), (303, 30472), (313, 30505), (326, 30586), (330, 30601), (351, 30706), (378, 30820), (409, 30919), (417, 30943),

Gene: SunkenRoot_52 Start: 37385, Stop: 38797, Start Num: 105
Candidate Starts for SunkenRoot_52:
(Start: 105 @37385 has 5 MA's), (117, 37415), (Start: 129 @37505 has 1 MA's), (142, 37571), (145, 37580), (146, 37598), (148, 37607), (152, 37622), (153, 37631), (155, 37643), (160, 37670), (164, 37694), (168, 37703), (172, 37742), (173, 37745), (177, 37766), (198, 37892), (199, 37895), (210, 37955), (229, 38066), (233, 38081), (243, 38126), (262, 38219), (274, 38273), (279, 38288), (286, 38303), (308, 38372), (313, 38387), (324, 38450), (341, 38528), (348, 38561), (351, 38576), (383, 38702), (389, 38720), (399, 38756), (410, 38777),

Gene: SunsetPointe_48 Start: 34190, Stop: 35512, Start Num: 113
Candidate Starts for SunsetPointe_48:
(Start: 110 @34178 has 5 MA's), (Start: 113 @34190 has 16 MA's), (117, 34205), (127, 34292), (Start: 129 @34295 has 1 MA's), (135, 34319), (142, 34361), (145, 34370), (152, 34412), (153, 34421), (155, 34433), (171, 34523), (172, 34532), (177, 34556), (193, 34676), (198, 34682), (219, 34772), (229, 34787), (231, 34796), (239, 34829), (262, 34940), (263, 34946), (274, 34994), (279, 35009), (286, 35024), (306, 35084), (308, 35093), (313, 35108), (328, 35189), (336, 35219), (341, 35249), (351, 35297), (372, 35375), (383, 35423), (385, 35432), (394, 35459), (410, 35498),

Gene: Sunshine924_39 Start: 29417, Stop: 30931, Start Num: 111
Candidate Starts for Sunshine924_39:
(Start: 86 @29372 has 3 MA's), (Start: 111 @29417 has 170 MA's), (Start: 115 @29432 has 10 MA's), (117, 29441), (132, 29534), (147, 29636), (149, 29642), (153, 29663), (158, 29693), (173, 29780), (175, 29792), (177, 29801), (178, 29810), (192, 29918), (197, 29939), (200, 29951), (203, 29975), (211, 30017), (234, 30146), (246, 30206), (258, 30263), (268, 30317), (270, 30320), (273, 30332), (301, 30434), (303, 30440), (313, 30473), (320, 30518), (326, 30554), (330, 30569), (378, 30788),

Gene: SuperHands_60 Start: 39474, Stop: 40961, Start Num: 107
Candidate Starts for SuperHands_60:
(32, 39306), (Start: 107 @39474 has 6 MA's), (Start: 121 @39537 has 3 MA's), (124, 39567), (142, 39666), (143, 39669), (149, 39705), (172, 39837), (174, 39849), (177, 39861), (193, 39978), (206, 40029), (212, 40059), (231, 40131), (256, 40248), (271, 40308), (274, 40320), (312, 40473), (324, 40533), (335, 40575), (337, 40587), (370, 40728), (377, 40758), (379, 40764), (390, 40806), (395, 40824), (424, 40956),

Gene: SwissCheese_39 Start: 30120, Stop: 31622, Start Num: 111
Candidate Starts for SwissCheese_39:
(Start: 66 @30039 has 28 MA's), (Start: 70 @30045 has 3 MA's), (Start: 72 @30051 has 9 MA's), (Start: 73 @30054 has 10 MA's), (Start: 83 @30069 has 1 MA's), (Start: 111 @30120 has 170 MA's), (Start: 115 @30135 has 10 MA's), (117, 30144), (147, 30339), (149, 30345), (152, 30357), (153, 30366), (175, 30495), (177, 30504), (178, 30513), (192, 30621), (197, 30642), (200, 30654), (203, 30678), (234, 30849), (246, 30909), (258, 30966), (268, 31020), (270, 31023), (273, 31035), (303, 31143), (313, 31176), (318, 31215), (326, 31257), (330, 31272), (378, 31491), (409, 31590), (417, 31614),

Gene: Switzer_38 Start: 29527, Stop: 31029, Start Num: 111
Candidate Starts for Switzer_38:

(Start: 66 @29446 has 28 MA's), (Start: 70 @29452 has 3 MA's), (Start: 72 @29458 has 9 MA's), (Start: 73 @29461 has 10 MA's), (Start: 83 @29476 has 1 MA's), (Start: 111 @29527 has 170 MA's), (149, 29752), (175, 29902), (177, 29911), (178, 29920), (192, 30028), (197, 30049), (200, 30061), (203, 30085), (211, 30127), (234, 30256), (246, 30316), (258, 30373), (264, 30400), (268, 30427), (273, 30442), (303, 30550), (313, 30583), (326, 30664), (330, 30679), (351, 30784), (378, 30898), (409, 30997), (417, 31021),

Gene: Swole_39 Start: 29499, Stop: 31001, Start Num: 111
Candidate Starts for Swole_39:
(Start: 66 @29418 has 28 MA's), (Start: 70 @29424 has 3 MA's), (Start: 72 @29430 has 9 MA's), (Start: 73 @29433 has 10 MA's), (Start: 83 @29448 has 1 MA's), (Start: 111 @29499 has 170 MA's), (Start: 115 @29514 has 10 MA's), (147, 29718), (149, 29724), (153, 29745), (159, 29778), (175, 29874), (177, 29883), (178, 29892), (191, 29994), (192, 30000), (197, 30021), (200, 30033), (203, 30057), (211, 30099), (234, 30228), (246, 30288), (258, 30345), (264, 30372), (268, 30399), (270, 30402), (273, 30414), (301, 30516), (303, 30522), (313, 30555), (314, 30558), (326, 30636), (330, 30651), (334, 30666), (351, 30756), (378, 30870), (409, 30969), (417, 30993),

Gene: Tasp14_38 Start: 29595, Stop: 31166, Start Num: 72
Candidate Starts for Tasp14_38:
(Start: 66 @29583 has 28 MA's), (Start: 70 @29589 has 3 MA's), (Start: 72 @29595 has 9 MA's), (Start: 73 @29598 has 10 MA's), (Start: 83 @29613 has 1 MA's), (Start: 111 @29664 has 170 MA's), (Start: 115 @29679 has 10 MA's), (117, 29688), (149, 29889), (175, 30039), (177, 30048), (178, 30057), (189, 30153), (192, 30165), (197, 30186), (200, 30198), (203, 30222), (211, 30264), (234, 30393), (246, 30453), (258, 30510), (268, 30564), (273, 30579), (303, 30687), (313, 30720), (326, 30801), (330, 30816), (351, 30921), (378, 31035), (409, 31134), (417, 31158),

Gene: Teodoridan_35 Start: 28860, Stop: 30437, Start Num: 73
Candidate Starts for Teodoridan_35:
(Start: 66 @28845 has 28 MA's), (Start: 70 @28851 has 3 MA's), (Start: 72 @28857 has 9 MA's), (Start: 73 @28860 has 10 MA's), (Start: 83 @28875 has 1 MA's), (Start: 111 @28926 has 170 MA's), (147, 29145), (149, 29151), (153, 29172), (175, 29301), (177, 29310), (178, 29319), (192, 29427), (197, 29448), (200, 29460), (203, 29484), (211, 29526), (234, 29655), (246, 29715), (258, 29772), (268, 29826), (273, 29841), (301, 29940), (326, 30060), (330, 30075), (351, 30180), (378, 30294),

Gene: TheloniousMonk_39 Start: 31068, Stop: 32570, Start Num: 111
Candidate Starts for TheloniousMonk_39:
(Start: 66 @30987 has 28 MA's), (Start: 70 @30993 has 3 MA's), (Start: 72 @30999 has 9 MA's), (Start: 73 @31002 has 10 MA's), (Start: 83 @31017 has 1 MA's), (Start: 111 @31068 has 170 MA's), (Start: 115 @31083 has 10 MA's), (149, 31293), (175, 31443), (177, 31452), (178, 31461), (192, 31569), (197, 31590), (200, 31602), (203, 31626), (211, 31668), (234, 31797), (246, 31857), (258, 31914), (264, 31941), (268, 31968), (273, 31983), (293, 32052), (303, 32091), (313, 32124), (326, 32205), (330, 32220), (378, 32439), (409, 32538), (417, 32562),

Gene: Thestral_55 Start: 38547, Stop: 39968, Start Num: 95
Candidate Starts for Thestral_55:
(57, 38466), (Start: 62 @38475 has 1 MA's), (Start: 67 @38487 has 3 MA's), (Start: 90 @38538 has 5 MA's), (Start: 95 @38547 has 10 MA's), (149, 38784), (175, 38922), (193, 39051), (205, 39099), (229, 39210), (231, 39219), (236, 39246), (242, 39267), (243, 39270), (249, 39309), (252, 39324), (292, 39468), (304, 39525), (312, 39552), (338, 39669), (344, 39705), (355, 39759), (356, 39762), (367, 39795), (383, 39861), (403, 39918), (419, 39957),

Gene: Thor_37 Start: 28976, Stop: 30568, Start Num: 66
Candidate Starts for Thor_37:

(Start: 66 @28976 has 28 MA's), (Start: 70 @28982 has 3 MA's), (Start: 72 @28988 has 9 MA's), (Start: 73 @28991 has 10 MA's), (Start: 83 @29006 has 1 MA's), (Start: 111 @29057 has 170 MA's), (147, 29276), (149, 29282), (152, 29294), (153, 29303), (175, 29432), (177, 29441), (178, 29450), (192, 29558), (197, 29579), (200, 29591), (203, 29615), (211, 29657), (234, 29786), (246, 29846), (258, 29903), (264, 29930), (268, 29957), (270, 29960), (273, 29972), (301, 30071), (313, 30110), (326, 30191), (330, 30206), (378, 30425),

Gene: ThursdayNight_52 Start: 36511, Stop: 37926, Start Num: 103
Candidate Starts for ThursdayNight_52:
(Start: 103 @36511 has 1 MA's), (Start: 113 @36526 has 16 MA's), (142, 36691), (174, 36862), (203, 37030), (231, 37144), (233, 37150), (237, 37174), (244, 37210), (267, 37309), (280, 37348), (283, 37357), (308, 37426), (343, 37591), (367, 37687), (379, 37732), (382, 37750),

Gene: Thyatira_40 Start: 33664, Stop: 35070, Start Num: 111
Candidate Starts for Thyatira_40:
(Start: 105 @33655 has 5 MA's), (Start: 111 @33664 has 170 MA's), (132, 33784), (162, 33961), (169, 33985), (176, 34036), (182, 34078), (187, 34126), (190, 34147), (195, 34174), (197, 34183), (202, 34210), (206, 34231), (210, 34249), (214, 34276), (224, 34321), (233, 34327), (253, 34432), (272, 34498), (274, 34507), (282, 34528), (285, 34546), (313, 34654), (315, 34663), (316, 34666), (335, 34762), (337, 34774), (343, 34810), (360, 34882), (363, 34891), (377, 34942), (387, 34981), (392, 34993), (394, 35002), (411, 35032), (415, 35047),

Gene: TinaBelcher_53 Start: 38486, Stop: 39916, Start Num: 90
Candidate Starts for TinaBelcher_53:
(57, 38414), (Start: 62 @38423 has 1 MA's), (Start: 67 @38435 has 3 MA's), (Start: 90 @38486 has 5 MA's), (Start: 95 @38495 has 10 MA's), (149, 38732), (175, 38870), (193, 38999), (205, 39047), (229, 39158), (231, 39167), (236, 39194), (242, 39215), (243, 39218), (249, 39257), (252, 39272), (292, 39416), (304, 39473), (312, 39500), (338, 39617), (344, 39653), (355, 39707), (356, 39710), (367, 39743), (383, 39809), (403, 39866), (419, 39905),

Gene: TingHuaYa_41 Start: 31113, Stop: 32525, Start Num: 103
Candidate Starts for TingHuaYa_41:
(Start: 98 @31104 has 1 MA's), (Start: 103 @31113 has 1 MA's), (Start: 113 @31134 has 16 MA's), (123, 31206), (135, 31263), (142, 31305), (143, 31308), (147, 31338), (149, 31344), (162, 31416), (182, 31539), (193, 31617), (201, 31644), (202, 31647), (211, 31695), (215, 31722), (229, 31764), (231, 31773), (236, 31800), (246, 31848), (255, 31884), (257, 31893), (261, 31911), (275, 31965), (278, 31977), (289, 32007), (300, 32067), (307, 32094), (309, 32100), (312, 32109), (313, 32112), (316, 32124), (317, 32142), (347, 32274), (350, 32289), (377, 32391), (390, 32436), (391, 32439), (410, 32490), (417, 32514), (418, 32520),

Gene: TinyDot_31 Start: 24778, Stop: 26145, Start Num: 111
Candidate Starts for TinyDot_31:
(Start: 111 @24778 has 170 MA's), (124, 24865), (162, 25075), (215, 25399), (274, 25633), (284, 25648), (374, 26017),

Gene: Toast_37 Start: 30300, Stop: 31742, Start Num: 82
Candidate Starts for Toast_37:
(Start: 82 @30300 has 1 MA's), (85, 30303), (Start: 111 @30351 has 170 MA's), (117, 30375), (Start: 121 @30408 has 3 MA's), (132, 30471), (147, 30564), (162, 30648), (183, 30774), (188, 30828), (206, 30918), (211, 30945), (228, 31023), (242, 31086), (247, 31122), (253, 31149), (266, 31200), (274, 31227), (284, 31242), (309, 31332), (313, 31344), (314, 31347), (341, 31482), (364, 31578), (377, 31623), (379, 31629),

Gene: Topgun_36 Start: 28914, Stop: 30413, Start Num: 111
Candidate Starts for Topgun_36:
(47, 28800), (57, 28818), (Start: 66 @28833 has 28 MA's), (Start: 70 @28839 has 3 MA's), (Start: 72 @28845 has 9 MA's), (Start: 73 @28848 has 10 MA's), (Start: 83 @28863 has 1 MA's), (Start: 111 @28914 has 170 MA's), (Start: 113 @28923 has 16 MA's), (Start: 115 @28929 has 10 MA's), (117, 28938), (147, 29133), (149, 29139), (153, 29160), (175, 29289), (177, 29298), (178, 29307), (192, 29415), (197, 29436), (200, 29448), (203, 29472), (211, 29514), (234, 29643), (246, 29703), (258, 29760), (264, 29787), (268, 29814), (270, 29817), (273, 29829), (301, 29928), (313, 29967), (314, 29970), (326, 30048), (330, 30063), (378, 30282), (409, 30381), (417, 30405),

Gene: TpudiCK_132 Start: 69077, Stop: 67617, Start Num: 80
Candidate Starts for TpudiCK_132:
(Start: 61 @69119 has 1 MA's), (76, 69086), (Start: 80 @69077 has 21 MA's), (117, 69005), (130, 68924), (139, 68882), (142, 68858), (155, 68786), (172, 68669), (182, 68606), (196, 68522), (199, 68510), (206, 68468), (210, 68450), (246, 68288), (250, 68267), (263, 68216), (271, 68189), (279, 68162), (314, 68042), (344, 67892), (363, 67814), (375, 67769), (391, 67712),

Gene: Traft412_39 Start: 30521, Stop: 32023, Start Num: 111
Candidate Starts for Traft412_39:
(Start: 66 @30440 has 28 MA's), (Start: 70 @30446 has 3 MA's), (Start: 72 @30452 has 9 MA's), (Start: 73 @30455 has 10 MA's), (Start: 83 @30470 has 1 MA's), (Start: 111 @30521 has 170 MA's), (Start: 115 @30536 has 10 MA's), (117, 30545), (149, 30746), (153, 30767), (175, 30896), (177, 30905), (178, 30914), (192, 31022), (197, 31043), (200, 31055), (203, 31079), (234, 31250), (246, 31310), (258, 31367), (268, 31421), (270, 31424), (273, 31436), (293, 31505), (303, 31544), (313, 31577), (326, 31658), (330, 31673), (351, 31778), (378, 31892), (409, 31991), (417, 32015),

Gene: Treddle_39 Start: 30758, Stop: 32260, Start Num: 111
Candidate Starts for Treddle_39:
(Start: 66 @30677 has 28 MA's), (Start: 70 @30683 has 3 MA's), (Start: 72 @30689 has 9 MA's), (Start: 73 @30692 has 10 MA's), (Start: 83 @30707 has 1 MA's), (Start: 111 @30758 has 170 MA's), (Start: 115 @30773 has 10 MA's), (147, 30977), (149, 30983), (153, 31004), (175, 31133), (177, 31142), (178, 31151), (192, 31259), (197, 31280), (200, 31292), (203, 31316), (211, 31358), (234, 31487), (246, 31547), (258, 31604), (264, 31631), (268, 31658), (273, 31673), (293, 31742), (303, 31781), (313, 31814), (326, 31895), (330, 31910), (351, 32015), (378, 32129), (381, 32141), (409, 32228), (417, 32252),

Gene: Tripl3t_38 Start: 30269, Stop: 31771, Start Num: 111
Candidate Starts for Tripl3t_38:
(Start: 66 @30188 has 28 MA's), (Start: 70 @30194 has 3 MA's), (Start: 72 @30200 has 9 MA's), (Start: 73 @30203 has 10 MA's), (Start: 83 @30218 has 1 MA's), (Start: 111 @30269 has 170 MA's), (114, 30281), (149, 30494), (152, 30506), (153, 30515), (159, 30548), (175, 30644), (177, 30653), (178, 30662), (192, 30770), (197, 30791), (200, 30803), (203, 30827), (211, 30869), (234, 30998), (246, 31058), (258, 31115), (264, 31142), (268, 31169), (273, 31184), (303, 31292), (313, 31325), (326, 31406), (330, 31421), (351, 31526), (378, 31640), (409, 31739), (417, 31763),

Gene: Trouble_38 Start: 30371, Stop: 31873, Start Num: 111
Candidate Starts for Trouble_38:
(Start: 66 @30290 has 28 MA's), (Start: 70 @30296 has 3 MA's), (Start: 72 @30302 has 9 MA's), (Start: 73 @30305 has 10 MA's), (Start: 83 @30320 has 1 MA's), (Start: 111 @30371 has 170 MA's), (147, 30590), (149, 30596), (153, 30617), (173, 30734), (175, 30746), (177, 30755), (178, 30764), (192, 30872), (197, 30893), (200, 30905), (234, 31100), (246, 31160), (258, 31217), (264, 31244), (268, 31271), (270, 31274), (273, 31286), (303, 31394), (313, 31427), (326, 31508), (330, 31523), (351, 31628), (378, 31742), (409, 31841), (417, 31865),

Gene: TrvxScott_52 Start: 38541, Stop: 39962, Start Num: 95
Candidate Starts for TrvxScott_52:
(57, 38460), (Start: 62 @38469 has 1 MA's), (Start: 67 @38481 has 3 MA's), (Start: 90 @38532 has 5 MA's), (Start: 95 @38541 has 10 MA's), (149, 38778), (175, 38916), (193, 39045), (205, 39093), (229, 39204), (231, 39213), (236, 39240), (242, 39261), (243, 39264), (249, 39303), (252, 39318), (292, 39462), (312, 39546), (338, 39663), (344, 39699), (355, 39753), (356, 39756), (367, 39789), (383, 39855), (403, 39912), (419, 39951),

Gene: Turj99_36 Start: 29282, Stop: 30865, Start Num: 66
Candidate Starts for Turj99_36:
(Start: 66 @29282 has 28 MA's), (Start: 70 @29288 has 3 MA's), (Start: 72 @29294 has 9 MA's), (Start: 73 @29297 has 10 MA's), (Start: 83 @29312 has 1 MA's), (Start: 111 @29363 has 170 MA's), (147, 29582), (149, 29588), (153, 29609), (175, 29738), (177, 29747), (178, 29756), (192, 29864), (197, 29885), (200, 29897), (203, 29921), (211, 29963), (234, 30092), (246, 30152), (258, 30209), (268, 30263), (270, 30266), (273, 30278), (303, 30386), (313, 30419), (314, 30422), (326, 30500), (330, 30515), (351, 30620), (353, 30635), (378, 30734), (409, 30833), (417, 30857),

Gene: TwoPeat_38 Start: 29780, Stop: 31363, Start Num: 66
Candidate Starts for TwoPeat_38:
(Start: 66 @29780 has 28 MA's), (Start: 70 @29786 has 3 MA's), (Start: 72 @29792 has 9 MA's), (Start: 73 @29795 has 10 MA's), (Start: 83 @29810 has 1 MA's), (Start: 111 @29861 has 170 MA's), (Start: 115 @29876 has 10 MA's), (128, 29969), (147, 30080), (149, 30086), (175, 30236), (177, 30245), (178, 30254), (192, 30362), (197, 30383), (200, 30395), (203, 30419), (211, 30461), (234, 30590), (246, 30650), (258, 30707), (264, 30734), (268, 30761), (273, 30776), (303, 30884), (313, 30917), (326, 30998), (330, 31013), (351, 31118), (378, 31232), (409, 31331), (417, 31355),

Gene: TyDawg_126 Start: 69259, Stop: 67799, Start Num: 80
Candidate Starts for TyDawg_126:
(Start: 61 @69301 has 1 MA's), (76, 69268), (Start: 80 @69259 has 21 MA's), (117, 69187), (130, 69106), (139, 69064), (142, 69040), (155, 68968), (172, 68851), (182, 68788), (196, 68704), (199, 68692), (206, 68650), (210, 68632), (246, 68470), (250, 68449), (263, 68398), (271, 68371), (279, 68344), (314, 68224), (344, 68074), (363, 67996), (375, 67951), (391, 67894),

Gene: U2_37 Start: 29511, Stop: 31013, Start Num: 111
Candidate Starts for U2_37:
(59, 29421), (Start: 86 @29466 has 3 MA's), (Start: 111 @29511 has 170 MA's), (Start: 115 @29526 has 10 MA's), (117, 29535), (132, 29628), (147, 29730), (149, 29736), (153, 29757), (175, 29886), (177, 29895), (178, 29904), (179, 29910), (192, 30012), (197, 30033), (200, 30045), (203, 30069), (234, 30240), (246, 30300), (258, 30357), (268, 30411), (270, 30414), (273, 30426), (303, 30534), (313, 30567), (326, 30648), (330, 30663), (351, 30768), (378, 30882), (409, 30981), (417, 31005),

Gene: Unstoppable_49 Start: 34070, Stop: 35392, Start Num: 113
Candidate Starts for Unstoppable_49:
(Start: 110 @34058 has 5 MA's), (Start: 113 @34070 has 16 MA's), (117, 34085), (127, 34172), (Start: 129 @34175 has 1 MA's), (135, 34199), (142, 34241), (145, 34250), (152, 34292), (153, 34301), (155, 34313), (171, 34403), (172, 34412), (177, 34436), (193, 34556), (198, 34562), (219, 34652), (229, 34667), (231, 34676), (239, 34709), (262, 34820), (263, 34826), (274, 34874), (279, 34889), (286, 34904), (306, 34964), (313, 34988), (328, 35069), (336, 35099), (341, 35129), (351, 35177), (372, 35255), (383, 35303), (385, 35312), (394, 35339), (410, 35378),

Gene: Utz_33 Start: 30671, Stop: 32062, Start Num: 111
Candidate Starts for Utz_33:

(41, 30530), (50, 30557), (91, 30641), (Start: 104 @30662 has 1 MA's), (Start: 111 @30671 has 170 MA's), (132, 30791), (162, 30968), (179, 31061), (180, 31067), (183, 31094), (188, 31148), (211, 31265), (228, 31343), (266, 31520), (274, 31547), (284, 31562), (302, 31628), (303, 31631), (309, 31652), (313, 31664), (314, 31667), (329, 31745), (341, 31802), (356, 31871), (364, 31898), (379, 31949), (383, 31970),

Gene: UtzChips_59 Start: 38303, Stop: 39808, Start Num: 107
Candidate Starts for UtzChips_59:
(7, 37964), (84, 38255), (Start: 107 @38303 has 6 MA's), (142, 38495), (172, 38666), (206, 38858), (215, 38912), (231, 38960), (251, 39062), (312, 39299), (343, 39449), (368, 39548), (426, 39803),

Gene: Verabelle_54 Start: 36387, Stop: 37772, Start Num: 95
Candidate Starts for Verabelle_54:
(Start: 95 @36387 has 10 MA's), (154, 36657), (158, 36678), (166, 36708), (185, 36840), (225, 37026), (233, 37047), (239, 37074), (267, 37206), (279, 37245), (304, 37341), (313, 37371), (330, 37452), (344, 37521), (345, 37524), (357, 37584), (364, 37602), (374, 37638), (377, 37650), (382, 37674), (386, 37686), (391, 37698), (400, 37728),

Gene: Verse_51 Start: 37557, Stop: 38969, Start Num: 105
Candidate Starts for Verse_51:
(Start: 105 @37557 has 5 MA's), (117, 37587), (Start: 129 @37677 has 1 MA's), (142, 37743), (145, 37752), (146, 37770), (148, 37779), (152, 37794), (153, 37803), (155, 37815), (160, 37842), (164, 37866), (168, 37875), (172, 37914), (173, 37917), (177, 37938), (198, 38064), (199, 38067), (210, 38127), (229, 38238), (233, 38253), (243, 38298), (251, 38349), (262, 38391), (274, 38445), (279, 38460), (286, 38475), (308, 38544), (313, 38559), (324, 38622), (341, 38700), (348, 38733), (351, 38748), (383, 38874), (389, 38892), (399, 38928), (410, 38949),

Gene: Violet_36 Start: 29937, Stop: 31439, Start Num: 111
Candidate Starts for Violet_36:
(Start: 66 @29856 has 28 MA's), (Start: 70 @29862 has 3 MA's), (Start: 72 @29868 has 9 MA's), (Start: 73 @29871 has 10 MA's), (Start: 83 @29886 has 1 MA's), (Start: 111 @29937 has 170 MA's), (Start: 115 @29952 has 10 MA's), (147, 30156), (149, 30162), (153, 30183), (175, 30312), (177, 30321), (178, 30330), (179, 30336), (189, 30426), (192, 30438), (200, 30471), (206, 30507), (234, 30666), (246, 30726), (258, 30783), (264, 30810), (268, 30837), (273, 30852), (301, 30954), (303, 30960), (313, 30993), (314, 30996), (326, 31074), (330, 31089), (378, 31308), (409, 31407), (417, 31431),

Gene: ViviJ_38 Start: 31256, Stop: 32626, Start Num: 121
Candidate Starts for ViviJ_38:
(14, 30929), (27, 30992), (40, 31046), (78, 31133), (Start: 100 @31181 has 7 MA's), (Start: 121 @31256 has 3 MA's), (122, 31268), (142, 31379), (143, 31382), (148, 31415), (153, 31439), (164, 31502), (177, 31577), (221, 31853), (274, 32075), (277, 32087), (296, 32135), (300, 32165), (306, 32186), (313, 32210), (344, 32363), (362, 32444), (365, 32450), (369, 32462), (377, 32498), (379, 32504), (383, 32525), (388, 32540), (390, 32546), (407, 32594), (412, 32603),

Gene: Waterfoul_39 Start: 31558, Stop: 32964, Start Num: 111
Candidate Starts for Waterfoul_39:
(Start: 105 @31549 has 5 MA's), (Start: 111 @31558 has 170 MA's), (132, 31678), (162, 31855), (169, 31879), (176, 31930), (182, 31972), (187, 32020), (190, 32041), (195, 32068), (197, 32077), (202, 32104), (206, 32125), (210, 32143), (214, 32170), (224, 32215), (233, 32221), (253, 32326), (272, 32392), (274, 32401), (282, 32422), (285, 32440), (313, 32548), (315, 32557), (316, 32560), (335, 32656), (337, 32668), (343, 32704), (360, 32776), (363, 32785), (377, 32836), (387, 32875), (392, 32887), (394, 32896), (411, 32926), (415, 32941),

Gene: Watermelon_39 Start: 30238, Stop: 31821, Start Num: 66
Candidate Starts for Watermelon_39:
(Start: 66 @30238 has 28 MA's), (Start: 70 @30244 has 3 MA's), (Start: 72 @30250 has 9 MA's), (Start: 73 @30253 has 10 MA's), (Start: 83 @30268 has 1 MA's), (Start: 111 @30319 has 170 MA's), (Start: 115 @30334 has 10 MA's), (147, 30538), (149, 30544), (175, 30694), (177, 30703), (178, 30712), (192, 30820), (197, 30841), (200, 30853), (203, 30877), (211, 30919), (234, 31048), (246, 31108), (258, 31165), (264, 31192), (268, 31219), (270, 31222), (273, 31234), (303, 31342), (313, 31375), (326, 31456), (330, 31471), (351, 31576), (378, 31690), (409, 31789), (417, 31813),

Gene: Wheeler_38 Start: 29849, Stop: 31351, Start Num: 111
Candidate Starts for Wheeler_38:
(Start: 86 @29804 has 3 MA's), (Start: 111 @29849 has 170 MA's), (Start: 115 @29864 has 10 MA's), (137, 29996), (147, 30068), (149, 30074), (152, 30086), (153, 30095), (175, 30224), (177, 30233), (178, 30242), (192, 30350), (197, 30371), (200, 30383), (203, 30407), (211, 30449), (234, 30578), (246, 30638), (258, 30695), (264, 30722), (268, 30749), (273, 30764), (293, 30833), (303, 30872), (313, 30905), (326, 30986), (330, 31001), (351, 31106), (378, 31220), (409, 31319), (417, 31343),

Gene: Wilkins_36 Start: 28845, Stop: 30344, Start Num: 111
Candidate Starts for Wilkins_36:
(47, 28731), (57, 28749), (Start: 66 @28764 has 28 MA's), (Start: 70 @28770 has 3 MA's), (Start: 72 @28776 has 9 MA's), (Start: 73 @28779 has 10 MA's), (Start: 83 @28794 has 1 MA's), (Start: 111 @28845 has 170 MA's), (147, 29064), (149, 29070), (153, 29091), (175, 29220), (177, 29229), (178, 29238), (192, 29346), (197, 29367), (200, 29379), (203, 29403), (211, 29445), (234, 29574), (246, 29634), (258, 29691), (264, 29718), (268, 29745), (270, 29748), (273, 29760), (301, 29859), (313, 29898), (326, 29979), (330, 29994), (351, 30099), (378, 30213), (409, 30312), (417, 30336),

Gene: William_40 Start: 31099, Stop: 32487, Start Num: 111
Candidate Starts for William_40:
(Start: 111 @31099 has 170 MA's), (119, 31141), (Start: 121 @31156 has 3 MA's), (147, 31312), (158, 31369), (179, 31489), (183, 31522), (188, 31576), (190, 31582), (195, 31609), (202, 31645), (229, 31777), (243, 31837), (247, 31870), (251, 31888), (271, 31963), (274, 31975), (284, 31990), (299, 32026), (309, 32080), (313, 32092), (329, 32173), (341, 32230), (344, 32245), (349, 32266), (356, 32299), (358, 32308), (359, 32311), (363, 32323), (364, 32326), (367, 32335), (394, 32431), (402, 32452), (413, 32467),

Gene: Wisp_35 Start: 29114, Stop: 30505, Start Num: 111
Candidate Starts for Wisp_35:
(41, 28973), (50, 29000), (91, 29084), (Start: 104 @29105 has 1 MA's), (Start: 111 @29114 has 170 MA's), (Start: 121 @29171 has 3 MA's), (132, 29234), (147, 29327), (162, 29411), (179, 29504), (180, 29510), (183, 29537), (188, 29591), (211, 29708), (228, 29786), (251, 29903), (253, 29912), (266, 29963), (274, 29990), (284, 30005), (302, 30071), (303, 30074), (309, 30095), (313, 30107), (314, 30110), (329, 30188), (341, 30245), (356, 30314), (358, 30323), (364, 30341), (379, 30392), (401, 30467),

Gene: Wocket_39 Start: 29863, Stop: 31254, Start Num: 111
Candidate Starts for Wocket_39:
(Start: 111 @29863 has 170 MA's), (162, 30160), (183, 30286), (188, 30340), (211, 30457), (242, 30598), (247, 30634), (251, 30652), (266, 30712), (274, 30739), (284, 30754), (299, 30790), (302, 30820), (313, 30856), (314, 30859), (329, 30937), (356, 31063), (379, 31141), (383, 31162), (401, 31216),

Gene: Zainub_54 Start: 37669, Stop: 39099, Start Num: 90

Candidate Starts for Zainub_54:
(Start: 67 @37618 has 3 MA's), (Start: 90 @37669 has 5 MA's), (Start: 95 @37678 has 10 MA's), (142, 37888), (149, 37915), (175, 38053), (193, 38182), (205, 38230), (226, 38332), (229, 38341), (231, 38350), (236, 38377), (242, 38398), (243, 38401), (249, 38440), (252, 38455), (292, 38599), (312, 38683), (338, 38800), (344, 38836), (367, 38926), (370, 38935), (383, 38992), (400, 39040), (403, 39049), (419, 39088),

Gene: Zeeculate_37 Start: 30186, Stop: 31673, Start Num: 115
Candidate Starts for Zeeculate_37:
(Start: 66 @30090 has 28 MA's), (Start: 70 @30096 has 3 MA's), (Start: 72 @30102 has 9 MA's), (Start: 73 @30105 has 10 MA's), (Start: 83 @30120 has 1 MA's), (Start: 111 @30171 has 170 MA's), (Start: 115 @30186 has 10 MA's), (147, 30390), (149, 30396), (173, 30534), (175, 30546), (177, 30555), (178, 30564), (192, 30672), (197, 30693), (200, 30705), (203, 30729), (211, 30771), (232, 30885), (234, 30900), (246, 30960), (251, 30993), (258, 31017), (264, 31044), (268, 31071), (273, 31086), (293, 31155), (301, 31188), (303, 31194), (313, 31227), (326, 31308), (330, 31323), (351, 31428), (378, 31542), (409, 31641), (417, 31665),

Gene: Zephyr_38 Start: 29921, Stop: 31423, Start Num: 111
Candidate Starts for Zephyr_38:
(Start: 66 @29840 has 28 MA's), (Start: 70 @29846 has 3 MA's), (Start: 72 @29852 has 9 MA's), (Start: 73 @29855 has 10 MA's), (Start: 83 @29870 has 1 MA's), (Start: 111 @29921 has 170 MA's), (Start: 113 @29930 has 16 MA's), (147, 30140), (149, 30146), (152, 30158), (175, 30296), (177, 30305), (178, 30314), (179, 30320), (189, 30410), (192, 30422), (197, 30443), (200, 30455), (203, 30479), (211, 30521), (234, 30650), (246, 30710), (258, 30767), (268, 30821), (270, 30824), (273, 30836), (301, 30938), (303, 30944), (313, 30977), (326, 31058), (330, 31073), (378, 31292), (409, 31391), (417, 31415),

Gene: Zeuska_38 Start: 30100, Stop: 31602, Start Num: 111
Candidate Starts for Zeuska_38:
(Start: 62 @30010 has 1 MA's), (Start: 66 @30019 has 28 MA's), (Start: 70 @30025 has 3 MA's), (Start: 72 @30031 has 9 MA's), (Start: 73 @30034 has 10 MA's), (Start: 83 @30049 has 1 MA's), (Start: 111 @30100 has 170 MA's), (Start: 115 @30115 has 10 MA's), (147, 30319), (149, 30325), (175, 30475), (177, 30484), (178, 30493), (192, 30601), (197, 30622), (200, 30634), (203, 30658), (211, 30700), (234, 30829), (246, 30889), (258, 30946), (264, 30973), (266, 30988), (267, 30991), (268, 31000), (270, 31003), (273, 31015), (303, 31123), (313, 31156), (326, 31237), (330, 31252), (378, 31471), (409, 31570), (417, 31594),

Gene: ZiggyZoo_38 Start: 30330, Stop: 31721, Start Num: 111
Candidate Starts for ZiggyZoo_38:
(69, 30252), (85, 30282), (91, 30300), (Start: 111 @30330 has 170 MA's), (132, 30450), (147, 30543), (160, 30609), (179, 30720), (183, 30753), (188, 30807), (211, 30924), (228, 31002), (266, 31179), (274, 31206), (284, 31221), (302, 31287), (303, 31290), (309, 31311), (310, 31314), (313, 31323), (314, 31326), (329, 31404), (341, 31461), (349, 31497), (356, 31530), (358, 31539), (364, 31557), (379, 31608), (383, 31629), (401, 31683),

Gene: phiCAM_49 Start: 38659, Stop: 40071, Start Num: 95
Candidate Starts for phiCAM_49:
(Start: 95 @38659 has 10 MA's), (Start: 121 @38737 has 3 MA's), (150, 38902), (166, 38980), (185, 39112), (233, 39319), (246, 39391), (267, 39478), (279, 39517), (304, 39613), (326, 39709), (329, 39721), (332, 39730), (344, 39793), (355, 39847), (386, 39958), (416, 40036), (420, 40063),