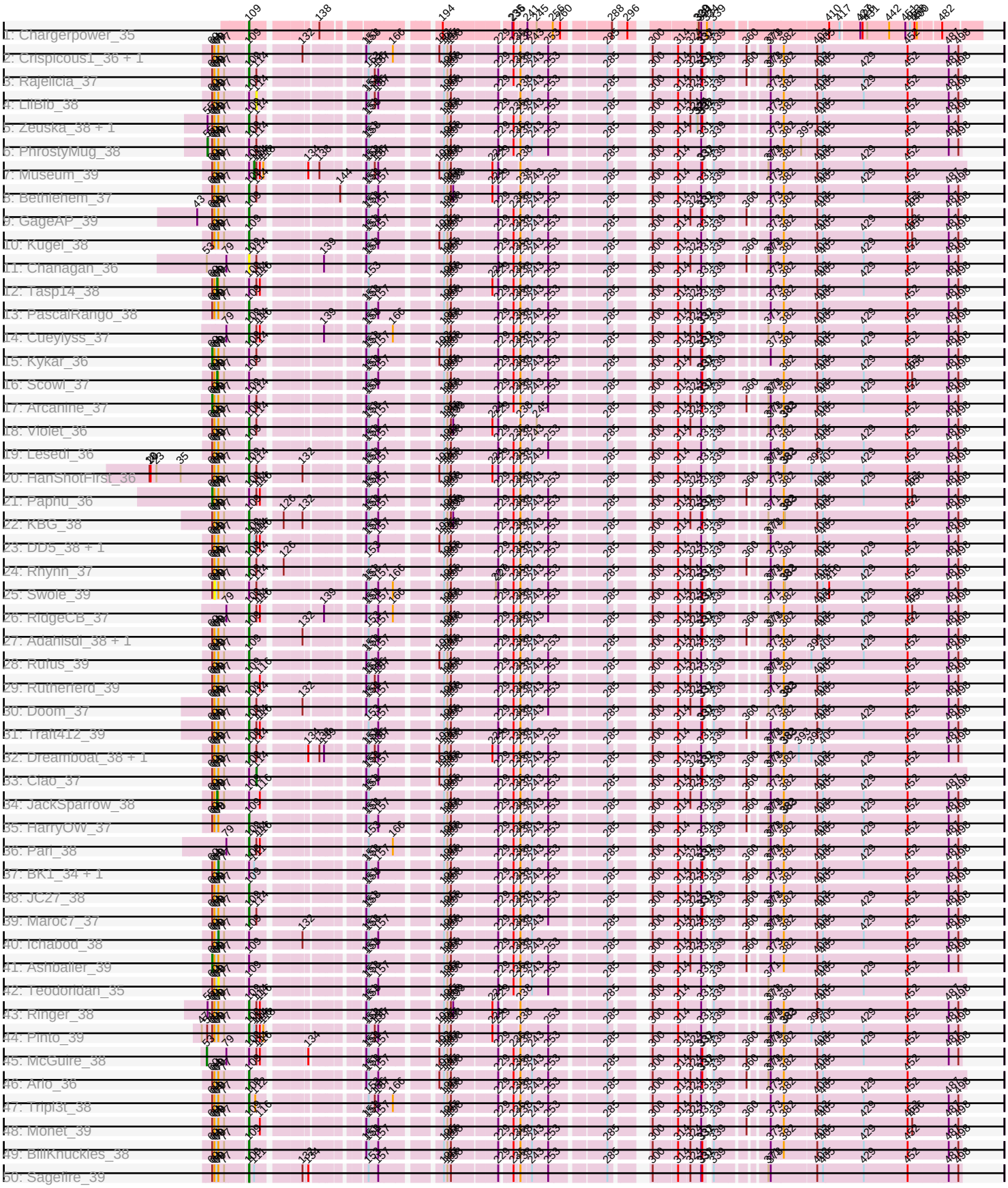
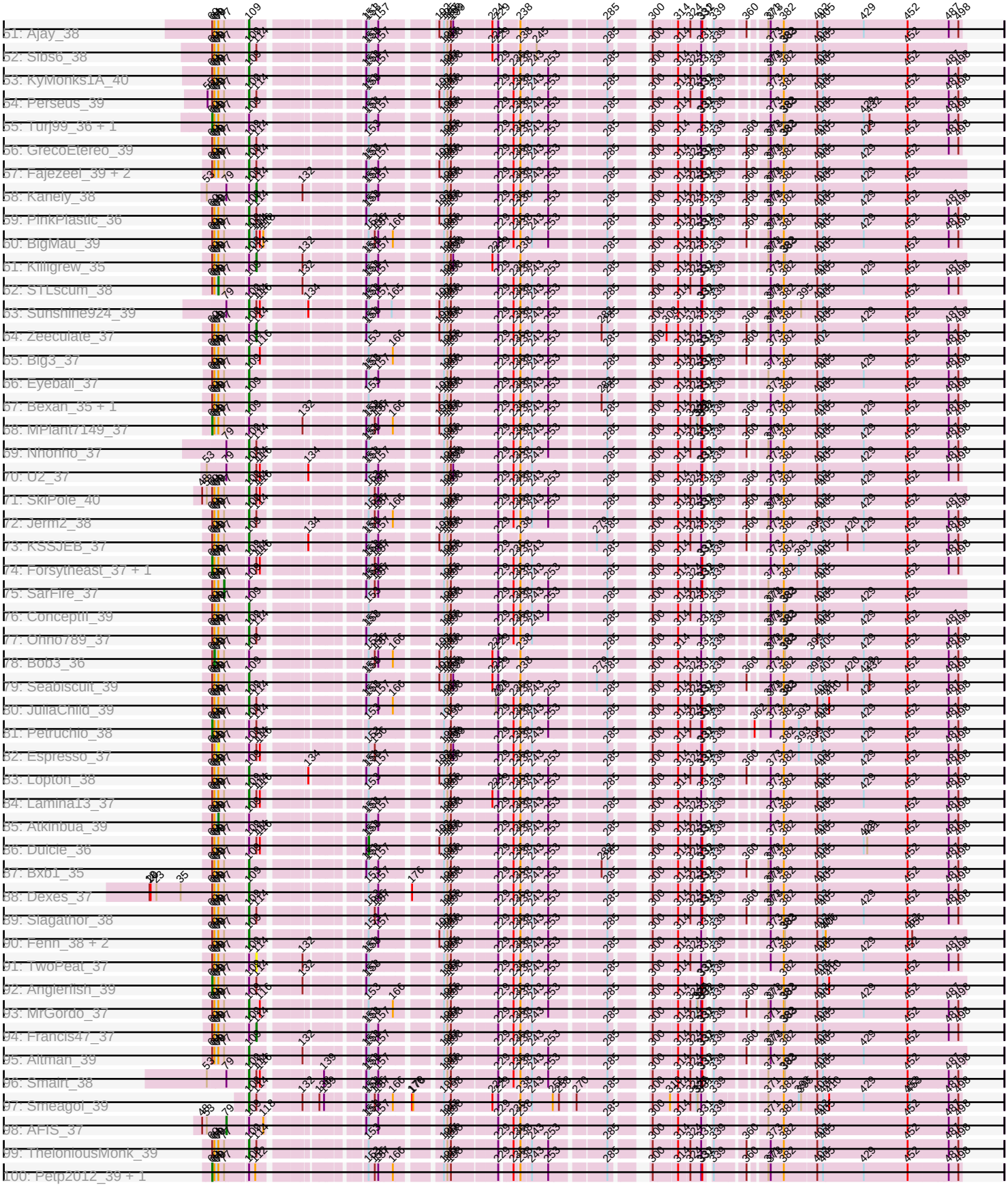
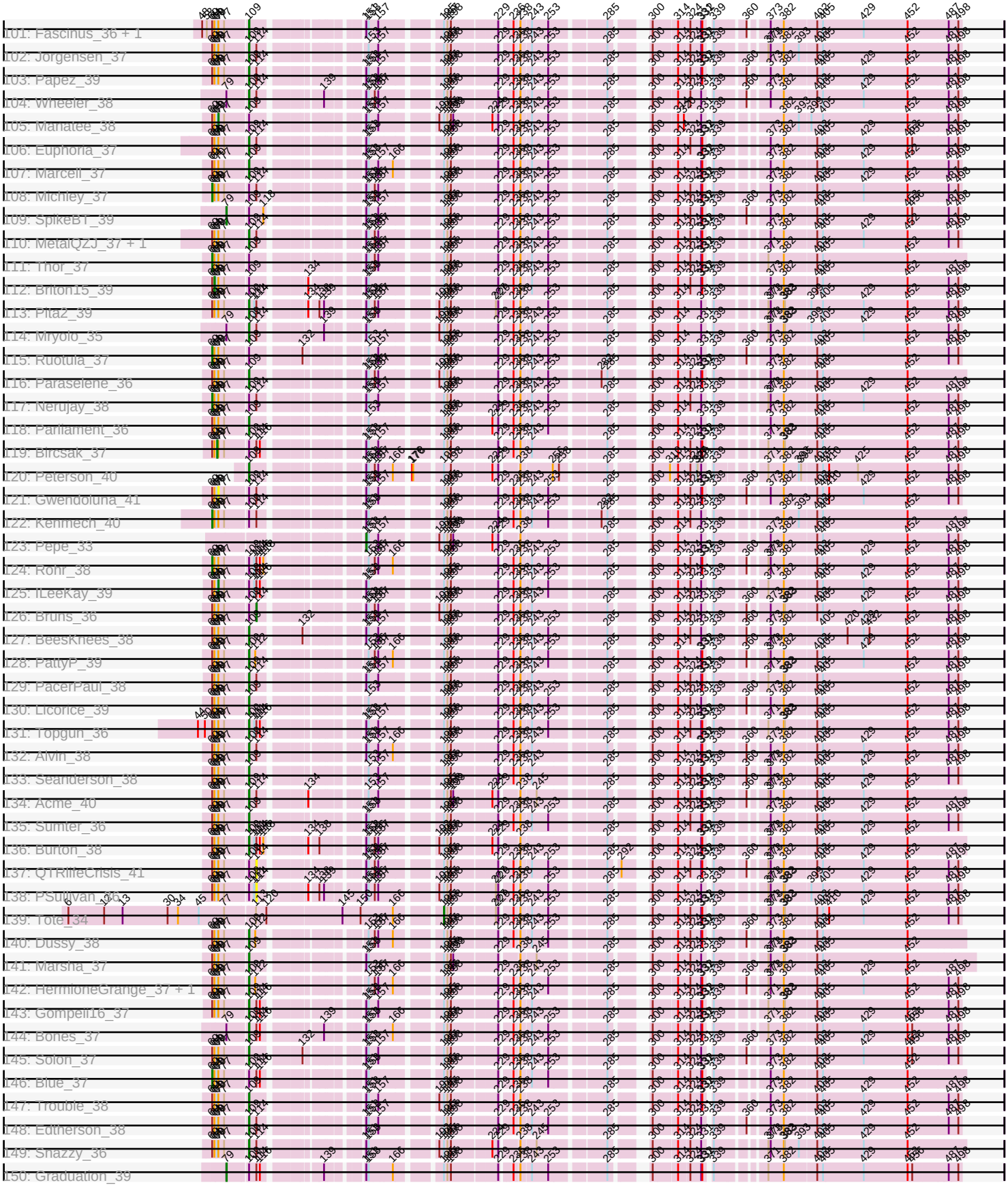
Pham 157467


1: Chargerpower_35
2: Crispicous1_36 + 1
3: Rajellcia_37
4: LilBib_38
5: Zeuska_38 + 1
6: PhrostyMug_38
7: Museum_39
8: Bethlehem_37
9: GageAP_39
10: Kugel_38
11: Chanagan_36
12: Tasp14_38
13: PascalRango_38
14: Cueylyss_37
15: Kykar_36
16: Scowl_37
17: Arcanine_37
18: Violet_36
19: Lesedi_36
20: HanShotFirst_36
21: Paphu_36
22: KBG_38
23: DD5_38 + 1
24: Rhynn_37
25: Swole_39
26: RidgeCB_37
27: Adanisdi_38 + 1
28: Rufus_39
29: Rutherherd_39
30: Doom_37
31: Trait412_39
32: Dreamboat_38 + 1
33: Ciao_37
34: JackSparrow_38
35: HarryOW_37
36: Pari_38
37: BK1_34 + 1
38: JC27_38
39: Maroc7_37
40: Ichabod_38
41: Ashballer_39
42: Teodordan_35
43: Ringer_38
44: Pinto_39
45: McGuire_38
46: Arlo_36
47: Tripl3t_38
48: Monet_39
49: BillKnuckles_38
50: Sagelire_39

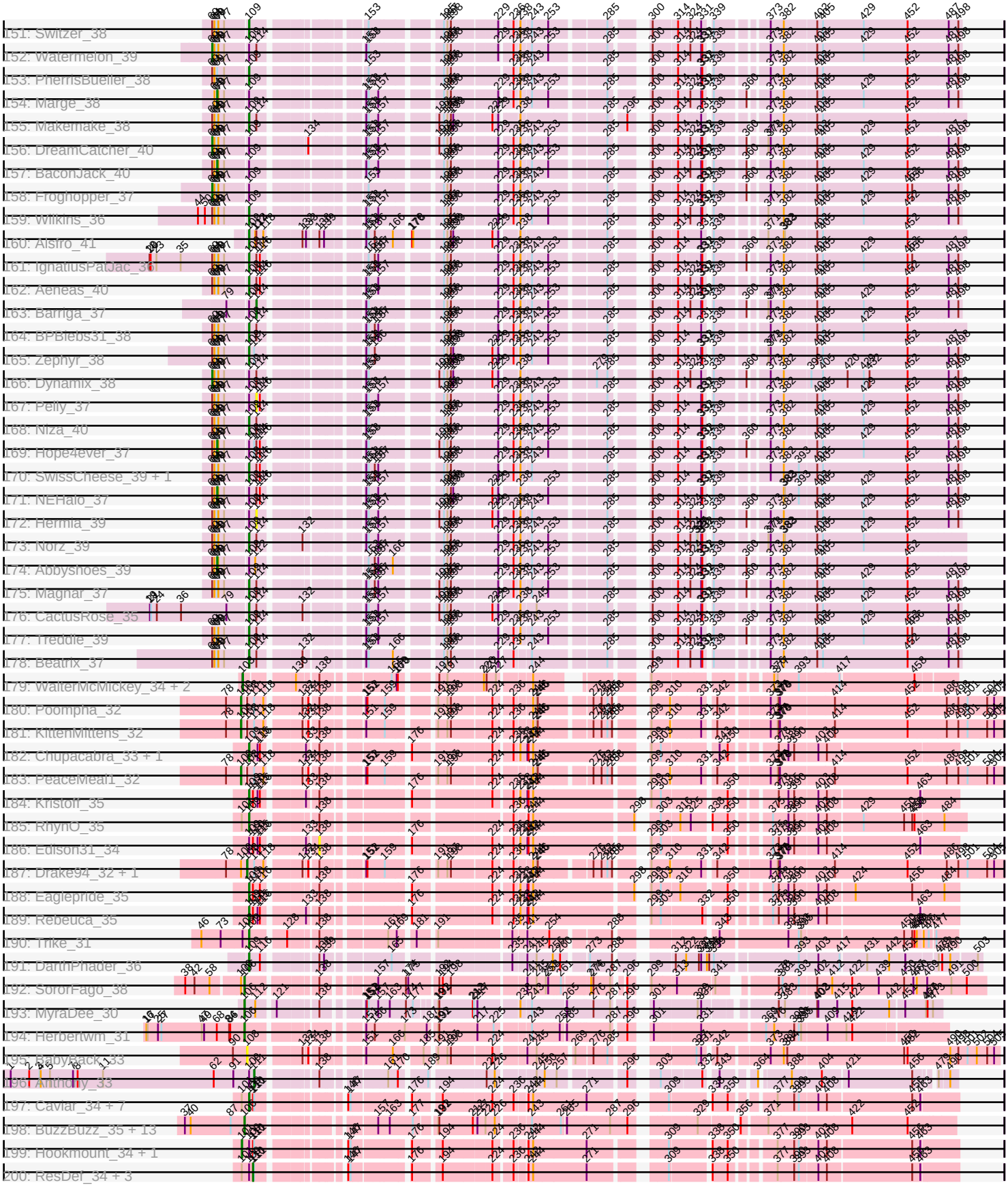
Pham 157467


51: Ajay_38
52: Sibs6_38
53: KyMonks1A_40
54: Perseus_39
55: Turj99_36 + 1
56: GrecoEtereo_39
57: Fajezeel_39 + 2
58: Kanely_38
59: PinkPlastic_36
60: BigMau_39
61: Killigrew_35
62: STLscum_38
63: Sunshine924_39
64: Zeeculate_37
65: Big3_37
66: Eyeball_37
67: Bexan_35 + 1
68: MPlant7149_37
69: Nhonho_37
70: U2_37
71: SkiPole_40
72: Jerm2_38
73: KSSJEB_37
74: Forsytheast_37 + 1
75: SarFire_37
76: Conceptii_39
77: Ohno789_37
78: Bob3_36
79: Seabiscuit_39
80: JuliaChild_39
81: Petruchio_38
82: Espresso_37
83: Lopton_38
84: Lamina13_37
85: Atkinbua_39
86: Dulcie_36
87: Bxb1_35
88: Dexes_37
89: Slagathor_38
90: Fenn_38 + 2
91: TwoPeat_37
92: Anglerfish_39
93: MrGordo_37
94: Francis47_37
95: Altman_39
96: Smaint_38
97: Smeagol_39
98: APIS_37
99: TheloniousMonk_39
100: Petp2012_39 + 1

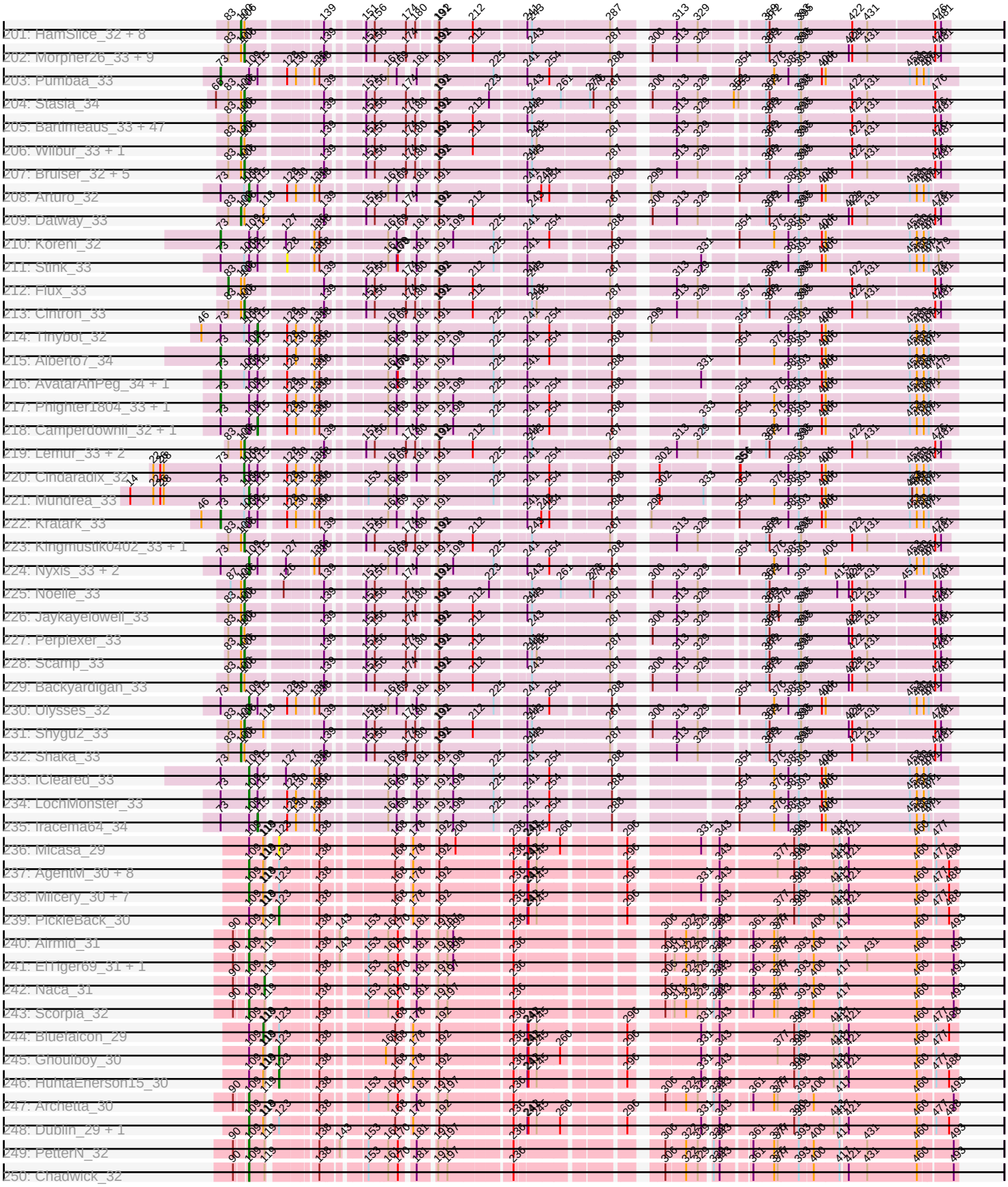
Pham 157467


I01: Fascinus_36 + 1
I02: Jorgensen_37
I03: Papez_39
I04: Wheeler_38
I05: Manatee_38
I06: Euphoria_37
I07: Marcell_37
I08: Michley_37
I09: SpikeBT_39
I10: MetalQZJ_37 + 1
I11: Thor_37
I12: Brilon15_39
I13: Pita2_39
I14: Mryolo_35
I15: Ruotula_37
I16: Paraselene_36
I17: Nerujay_38
I18: Parliament_36
I19: Bircsak_37
I20: Peterson_40
I21: Gwendoluna_41
I22: Kenmech_40
I23: Pepe_33
I24: Rohr_38
I25: TLeeKay_39
I26: Bruns_36
I27: BeesKnees_38
I28: PattyP_39
I29: PacerPaul_38
I30: Licorice_39
I31: Topgun_36
I32: Alvin_38
I33: Seanderson_38
I34: Acme_40
I35: Sumter_36
I36: Burton_38
I37: QTRifleCrisis_41
I38: PSullivan_36
I39: Tote_34
I40: Dussy_38
I41: Marsha_37
I42: HermioneGrange_37 + 1
I43: Gompeii16_37
I44: Bones_37
I45: Solon_37
I46: Blue_37
I47: Trouble_38
I48: Edtherson_38
I49: Snazzy_36
I50: Graduation_39

Pham 157467


151: Switzer_38
152: Watermelon_39
153: PhernisBueller_38
154: Marge_38
155: Makemake_38
156: DreamCatcher_40
157: BaconJack_40
158: Froghopper_37
159: Wilkins_36
160: Alsiro_41
161: IgnatiusPatJac_36
162: Aeneas_40
163: Barriga_37
164: BPBlebs31_38
165: Zephyr_38
166: Dynamix_38
167: Pelly_37
168: Niza_40
169: Hope4ever_37
170: SwissCheese_39 + 1
171: NEHalo_37
172: Hermia_39
173: Norz_39
174: Abbyshoes_39
175: Magnar_37
176: CactusRose_35
177: Treddie_39
178: Beatrix_37
179: WalterMcMickey_34 + 2
180: Poompha_32
181: KittenMittens_32
182: Chupacabra_33 + 1
183: PeaceMeal1_32
184: Kristoff_35
185: RhynO_35
186: Edison31_34
187: Drake94_32 + 1
188: Eaglepride_35
189: Rebeuca_35
190: Trike_31
191: DarthPhader_36
192: SororFago_38
193: MyraDee_30
194: Herbertwm_31
195: BabyBack_33
196: Anthony_35
197: Caviar_34 + 7
198: BuzzBuzz_35 + 13
199: Hookmount_34 + 1
200: ResDef_34 + 3

Pham 157467


201: HamSlice_32 + 8
202: Morpher26_33 + 9
203: Pumbaa_33
204: Stasia_34
205: Bartimeaus_33 + 47
206: Wilbur_33 + 1
207: Bruiser_32 + 5
208: Arturo_32
209: Datway_33
210: Koreni_32
211: Stink_33
212: Flux_33
213: Cintron_33
214: Tinybot_32
215: Alberto7_34
216: AvatarAnPeg_34 + 1
217: Phighter1804_33 + 1
218: Camperdownii_32 + 1
219: Lemur_33 + 2
220: Cindaradix_32
221: Mundrea_33
222: Kratark_33
223: Kingmustik0402_33 + 1
224: Nyxis_33 + 2
225: Noelle_33
226: Jaykayelowell_33
227: Perplexer_33
228: Scamp_33
229: Backyardigan_33
230: Olysses_32
231: Shygu2_33
232: Shaka_33
233: ICleared_33
234: LochMonster_33
235: Iracema64_34
236: Micasa_29
237: AgentM_30 + 8
238: Millcery_30 + 7
239: PickleBack_30
240: Airmid_31
241: Ehiger69_31 + 1
242: Naca_31
243: Scorpia_32
244: Bluefalcon_29
245: Ghoulboy_30
246: HuntaEnerson15_30
247: Archetta_30
248: Dublin_29 + 1
249: PetterN_32
250: Chadwick_32

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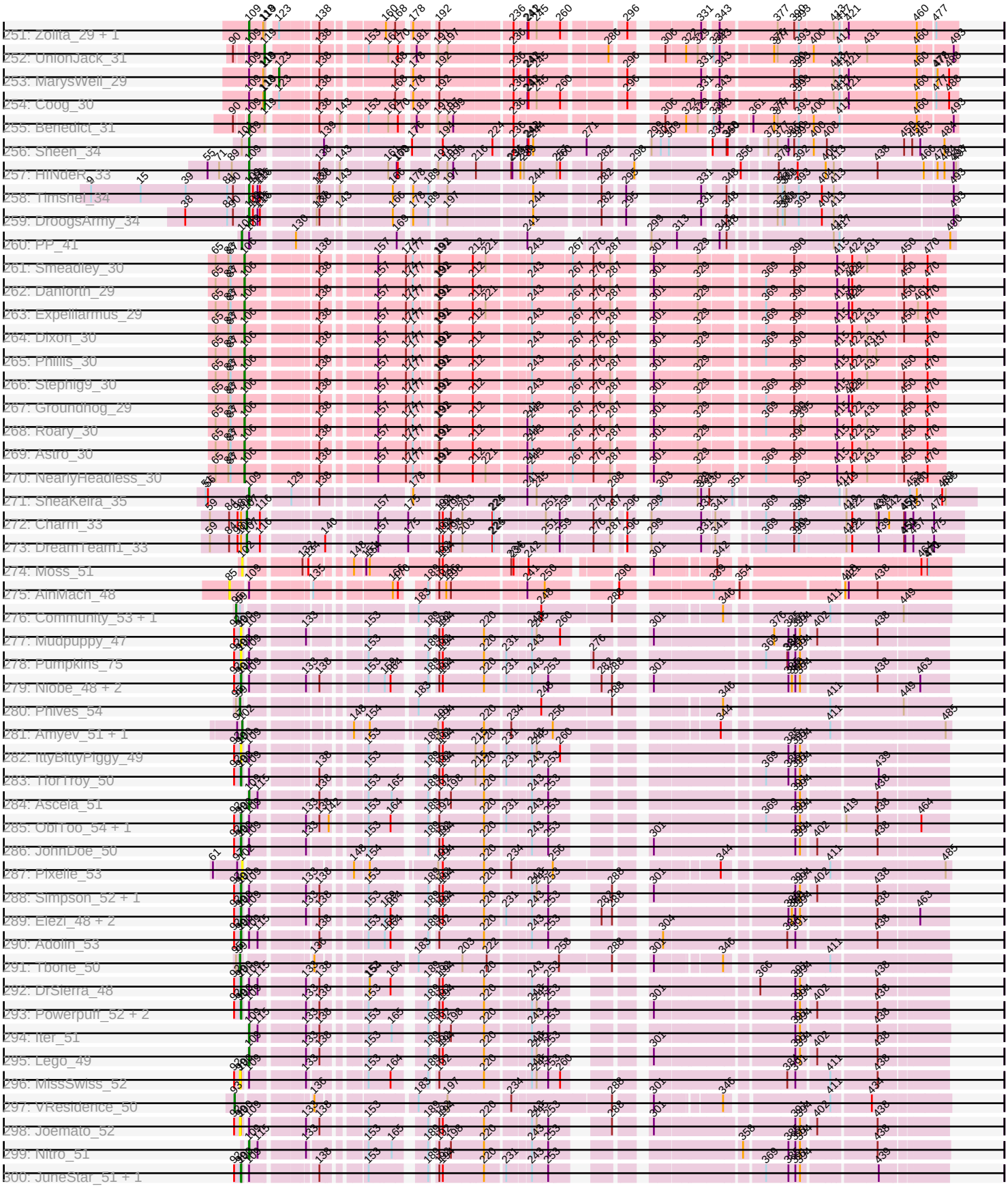
251: Zolita_29 + 1
252: UnionJack_31
253: MarysWell_29
254: Coog_30
255: Benedict_31
256: Sheen_34
257: HiNdeR_33
258: Timshel_34
259: DroogsArmy_34
260: PP_41
261: Smeadley_30
262: Danforth_29
263: Expelliarmus_29
264: Dixon_30
265: Phillis_30
266: Stephig9_30
267: Groundhog_29
268: Roary_30
269: Astro_30
270: NearlyHeadless_30
271: SheaKeira_35
272: Charm_33
273: DreamTeam1_33
274: Moss_51
275: AimMach_48
276: Community_53 + 1
277: Mudpuppy_47
278: Pumpkins_75
279: Niobe_48 + 2
280: Phives_54
281: Amyev_51 + 1
282: IttyBittyPiggy_49
283: ThorTroy_50
284: Ascela_51
285: ObiToo_54 + 1
286: JohnDoe_50
287: Pixelle_53
288: Simpson_52 + 1
289: Elezi_48 + 2
290: Adolin_53
291: Tbone_50
292: DrSierra_48
293: Powerpuff_52 + 2
294: Iter_51
295: Lego_49
296: MissSwiss_52
297: VResidence_50
298: Joemato_52
299: Nitro_51
300: JuneStar_51 + 1

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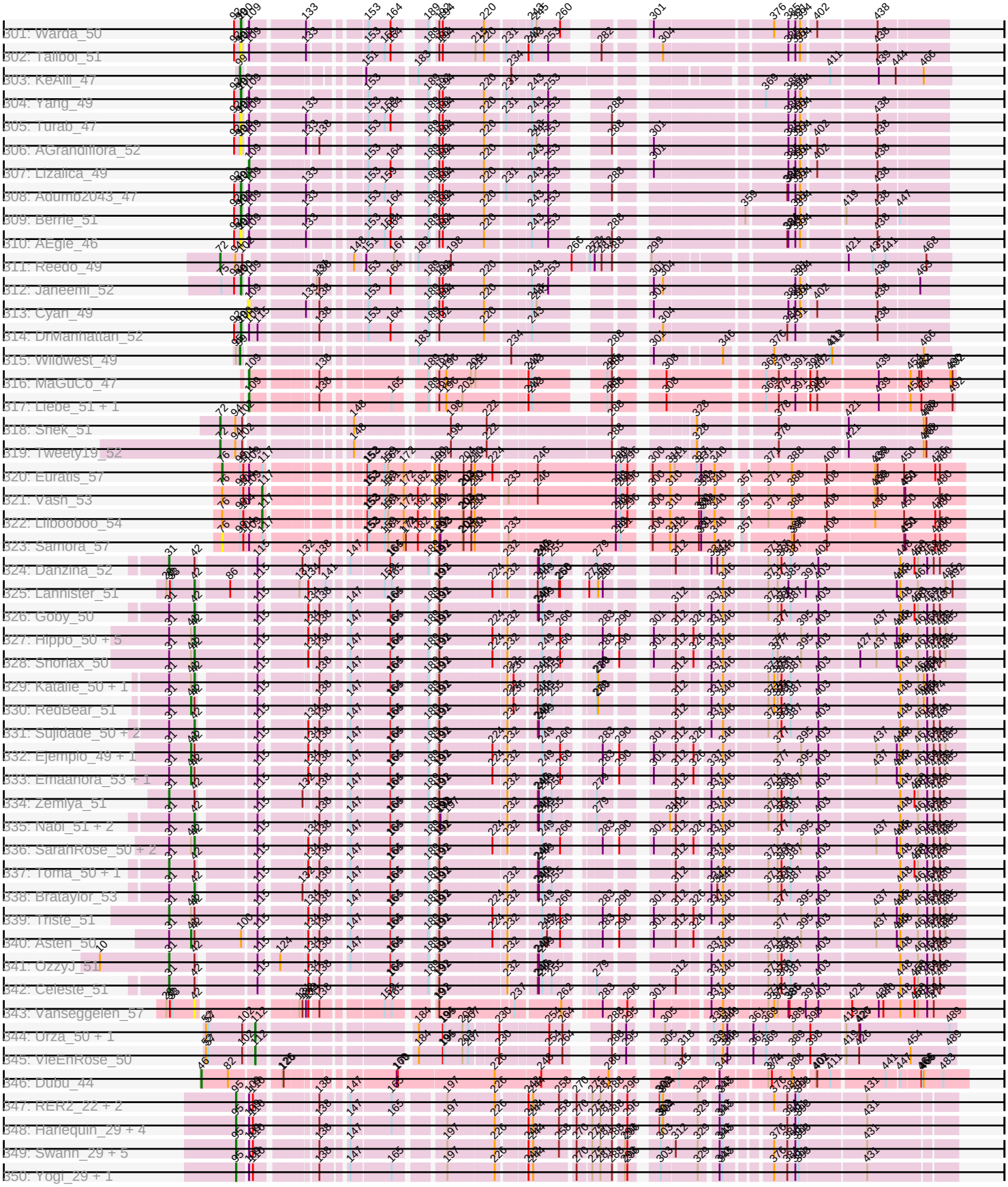
301: Warda_50
302: Tallbol_51
303: KeAlli_47
304: Yang_49
305: Turab_47
306: AGrandiflora_52
307: Lizalica_49
308: Adumb2043_47
309: Bernie_51
310: AEgle_46
311: Reedo_49
312: Janeemi_52
313: Cyan_49
314: DrManhattan_52
315: Wildwest_49
316: MaGuCo_47
317: Liebe_51 + 1
318: Snek_51
319: Tweety19_52
320: Euratis_57
321: Vash_53
322: Liboooboo_54
323: Samora_57
324: Danzina_52
325: Lannister_51
326: Goby_50
327: Hippo_50 + 5
328: Snorlax_50
329: Kataile_50 + 1
330: RedBear_51
331: Sujidade_50 + 2
332: Ejemplo_49 + 1
333: Emaahora_53 + 1
334: Zemlya_51
335: Nabi_51 + 2
336: SarahRose_50 + 2
337: Toma_50 + 1
338: Brataylor_53
339: Triste_51
340: Asten_50
341: Ozzyo_51
342: Celeste_51
343: Vanseggelen_57
344: Urza_50 + 1
345: VieEmRose_50
346: Dubu_44
347: RER2_22 + 2
348: Harlequin_29 + 4
349: Swann_29 + 5
350: Yogi_29 + 1

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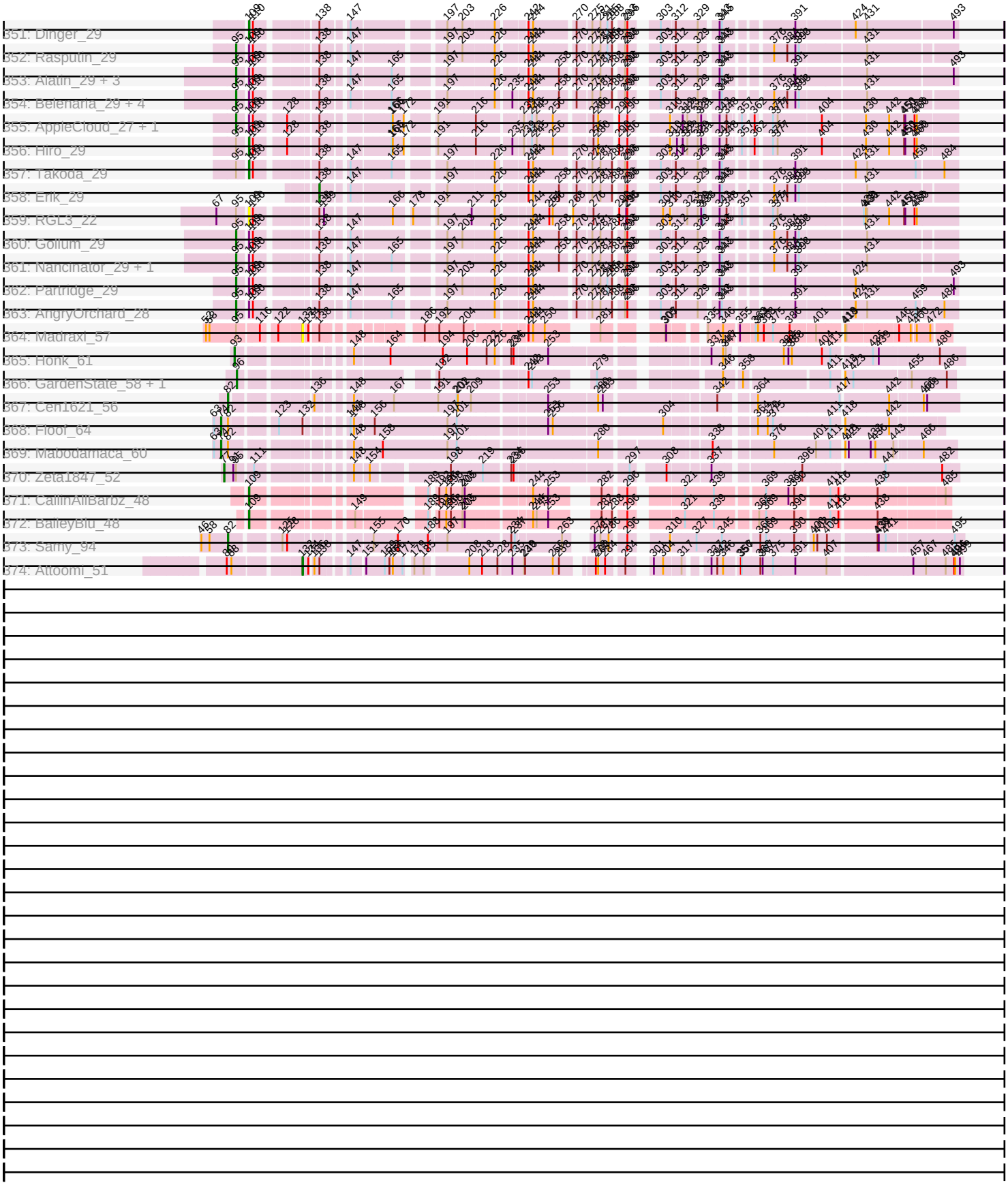
351: Dinger_29
352: Rasputin_29
353: Alatin_29 + 3
354: Belenaria_29 + 4
355: AppleCloud_27 + 1
356: Hiro_29
357: Takoda_29
358: Erik_29
359: RGL3_22
360: Gollum_29
361: Nancinator_29 + 1
362: Partridge_29
363: AngryOrchard_28
364: Madraxi_57
365: Honk_61
366: GardenState_58 + 1
367: Cen1621_56
368: Floof_64
369: Mabodamaca_60
370: Zeta1847_52
371: CallinAllBarbz_48
372: BalleyBlu_48
373: Samy_94
374: Attoomi_51

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 157467 Report

This analysis was run 04/13/24 on database version 558.

Pham number 157467 has 566 members, 44 are drafts.

Phages represented in each track:
- Track 1 : Chargerpower_35
- Track 2 : Crispicous1_36, DrFeelGood_36
- Track 3 : Rajelicia_37
- Track 4 : LilBib_38
- Track 5 : Zeuska_38, Abrogate_380
- Track 6 : PhrostyMug_38
- Track 7 : Museum_39
- Track 8 : Bethlehem_37
- Track 9 : GageAP_39
- Track 10 : Kugel_38
- Track 11 : Chanagan_36
- Track 12 : Tasp14_38
- Track 13 : PascalRango_38
- Track 14 : Cueylyss_37
- Track 15 : Kykar_36
- Track 16 : Scowl_37
- Track 17 : Arcanine_37
- Track 18 : Violet_36
- Track 19 : Lesedi_36
- Track 20 : HanShotFirst_36
- Track 21 : Paphu_36
- Track 22 : KBG_38
- Track 23 : DD5_38, Lockley_38
- Track 24 : Rhynn_37
- Track 25 : Swole_39
- Track 26 : RidgeCB_37
- Track 27 : Adahisdi_38, Oogway_36
- Track 28 : Rufus_39
- Track 29 : Rutherferd_39
- Track 30 : Doom_37
- Track 31 : Traft412_39
- Track 32 : Dreamboat_38, Jasper_38
- Track 33 : Ciao_37
- Track 34 : JackSparrow_38
- Track 35 : HarryOW_37
- Track 36 : Pari_38
- Track 37 : BK1_34, A6_34

- Track 38 : JC27_38
- Track 39 : Maroc7_37
- Track 40 : Ichabod_38
- Track 41 : Ashballer_39
- Track 42 : Teodoridan_35
- Track 43 : Ringer_38
- Track 44 : Pinto_39
- Track 45 : McGuire_38
- Track 46 : Arlo_36
- Track 47 : Tripl3t_38
- Track 48 : Monet_39
- Track 49 : BillKnuckles_38
- Track 50 : Sagefire_39
- Track 51 : Ajay_38
- Track 52 : Sibs6_38
- Track 53 : KyMonks1A_40
- Track 54 : Perseus_39
- Track 55 : Turj99_36, Magnito_36
- Track 56 : GrecoEtereo_39
- Track 57 : Fajezeel_39, Greg_39, Pippin_39
- Track 58 : Kanely_38
- Track 59 : PinkPlastic_36
- Track 60 : BigMau_39
- Track 61 : Killigrew_35
- Track 62 : STLscum_38
- Track 63 : Sunshine924_39
- Track 64 : Zeeculate_37
- Track 65 : Big3_37
- Track 66 : Eyeball_37
- Track 67 : Bexan_35, StrongArm_36
- Track 68 : MPlant7149_37
- Track 69 : Nhonho_37
- Track 70 : U2_37
- Track 71 : SkiPole_40
- Track 72 : Jerm2_38
- Track 73 : KSSJEB_37
- Track 74 : Forsytheast_37, Corvo_38
- Track 75 : SarFire_37
- Track 76 : ConceptII_39
- Track 77 : Ohno789_37
- Track 78 : Bob3_36
- Track 79 : Seabiscuit_39
- Track 80 : JuliaChild_39
- Track 81 : Petruchio_38
- Track 82 : Espresso_37
- Track 83 : Lopton_38
- Track 84 : Lamina13_37
- Track 85 : Atkinbua_39
- Track 86 : Dulcie_36
- Track 87 : Bxb1_35
- Track 88 : Dexes_37
- Track 89 : Slagathor_38
- Track 90 : Fenn_38, Squee_38, Naira_38

- Track 91 : TwoPeat_37
- Track 92 : Anglerfish_39
- Track 93 : MrGordo_37
- Track 94 : Francis47_37
- Track 95 : Altman_39
- Track 96 : Smairt_38
- Track 97 : Smeagol_39
- Track 98 : AFIS_37
- Track 99 : TheloniousMonk_39
- Track 100 : Petp2012_39, Molly_39
- Track 101 : Fascinus_36, Bigfoot_35
- Track 102 : Jorgensen_37
- Track 103 : Papez_39
- Track 104 : Wheeler_38
- Track 105 : Manatee_38
- Track 106 : Euphoria_37
- Track 107 : Marcell_37
- Track 108 : Michley_37
- Track 109 : SpikeBT_39
- Track 110 : MetalQZJ_37, MaryBeth_37
- Track 111 : Thor_37
- Track 112 : Briton15_39
- Track 113 : Pita2_39
- Track 114 : Mryolo_35
- Track 115 : Ruotula_37
- Track 116 : Paraselene_36
- Track 117 : Nerujay_38
- Track 118 : Parliament_36
- Track 119 : Bircsak_37
- Track 120 : Peterson_40
- Track 121 : Gwendoluna_41
- Track 122 : Kenmech_40
- Track 123 : Pepe_33
- Track 124 : Rohr_38
- Track 125 : ILeeKay_39
- Track 126 : Bruns_36
- Track 127 : BeesKnees_38
- Track 128 : PattyP_39
- Track 129 : PacerPaul_38
- Track 130 : Licorice_39
- Track 131 : Topgun_36
- Track 132 : Alvin_38
- Track 133 : Seanderson_38
- Track 134 : Acme_40
- Track 135 : Sumter_36
- Track 136 : Burton_38
- Track 137 : QTRlifeCrisis_41
- Track 138 : PSullivan_36
- Track 139 : Tote_34
- Track 140 : Dussy_38
- Track 141 : Marsha_37
- Track 142 : HermioneGrange_37, Gandalf20_38
- Track 143 : Gompeii16_37

- Track 144 : Bones_37
- Track 145 : Solon_37
- Track 146 : Blue_37
- Track 147 : Trouble_38
- Track 148 : Edtherson_38
- Track 149 : Snazzy_36
- Track 150 : Graduation_39
- Track 151 : Switzer_38
- Track 152 : Watermelon_39
- Track 153 : PherrisBueller_38
- Track 154 : Marge_38
- Track 155 : Makemake_38
- Track 156 : DreamCatcher_40
- Track 157 : BaconJack_40
- Track 158 : Froghopper_37
- Track 159 : Wilkins_36
- Track 160 : Alsfro_41
- Track 161 : IgnatiusPatJac_36
- Track 162 : Aeneas_40
- Track 163 : Barriga_37
- Track 164 : BPBiebs31_38
- Track 165 : Zephyr_38
- Track 166 : Dynamix_38
- Track 167 : Pelly_37
- Track 168 : Niza_40
- Track 169 : Hope4ever_37
- Track 170 : SwissCheese_39, Moose_37
- Track 171 : NEHalo_37
- Track 172 : Hermia_39
- Track 173 : Norz_39
- Track 174 : Abbyshoes_39
- Track 175 : Magnar_37
- Track 176 : CactusRose_35
- Track 177 : Treddle_39
- Track 178 : Beatrix_37
- Track 179 : WalterMcMickey_34, Twister_34, Topanga_34
- Track 180 : Poompha_32
- Track 181 : KittenMittens_32
- Track 182 : Chupacabra_33, OKCentral2016_33
- Track 183 : PeaceMeal1_32
- Track 184 : Kristoff_35
- Track 185 : RhynO_35
- Track 186 : Edison31_34
- Track 187 : Drake94_32, Severus_32
- Track 188 : Eaglepride_35
- Track 189 : Rebeuca_35
- Track 190 : Trike_31
- Track 191 : DarthPhader_36
- Track 192 : SororFago_38
- Track 193 : MyraDee_30
- Track 194 : Herbertwm_31
- Track 195 : BabyBack_33
- Track 196 : Anthony_33

• Track 197 : Caviar_34, Margo_34, QuinnKiro_33, Noella_34, Norbert_33, Popcicle_34, Panamaxus_33, Pocahontas_34
• Track 198 : BuzzBuzz_35, Daishi_35, Soshari_38, Phoxy_36, LarryKay_36, Rummer_36, Spike509_36, Methuselah_35, HashRod_37, Louie6_36, Bxz2_34, Misomonster_38, KADY_37, AgronaGT15_36
• Track 199 : Hookmount_34, Lambert1_34
• Track 200 : ResDef_34, Texage_33, Todacoro_34, Veracruz_33
• Track 201 : HamSlice_32, Maverick_33, Bombshell_33, Caelakin_33, Holli_33, Pipcraft_33, Peaches_33, Eros_33, Burger_32
• Track 202 : Morpher26_33, PetiteSangsue_33, Katalie136_33, Wile_33, Bumblebee11_33, AbbysRanger_33, Achebe_32, Badger_33, Xena_33, Cici_33
• Track 203 : Pumbaa_33
• Track 204 : Stasia_34
• Track 205 : Bartimeaus_33, Ruin_33, Albee_33, JoongJeon_33, Eris_32, Annyong_33, TiroTheta9_33, Sabertooth_33, OKaNui_34, Millski_32, Lorenzo_33, Eapen_33, Relief_33, CentreCat_33, Thanksgivukkah_33, Nemo27_33, LappelDuVide_32, Druantia_33, Florean_33, Skipitt_33, Broseidon_33, TygerBlood_33, JetBlade_33, Spino_33, Roosevelt_33, Cocoaberry_33, Taquarus_33, Kyee_33, Baby16_33, Chaph_33, Phacado_33, NorthStar_33, Gadost_33, Deano_33, BubbleTrouble_33, Connomayer_33, Dhanush_33, Funston_33, Wizard007_33, NotAPhaseMom_33, MeeZee_33, Blackmoor_33, Houdini22_33, Happiness_33, Clarenza_33, YoSam321_33, Palestino_32, Citius_33
• Track 206 : Wilbur_33, Romney_33
• Track 207 : Bruiser_32, Mazhar510_33, PeterPeter_33, Wander_33, Avle17_33, Lunsford_33
• Track 208 : Arturo_32
• Track 209 : Datway_33
• Track 210 : Koreni_32
• Track 211 : Stink_33
• Track 212 : Flux_33
• Track 213 : Cintron_33
• Track 214 : Tinybot_32
• Track 215 : Alberto7_34
• Track 216 : AvatarAhPeg_34, Miramae_33
• Track 217 : Phighter1804_33, DirtyDunning_33
• Track 218 : Camperdownii_32, Kremtemulon_32
• Track 219 : Lemur_33, LittleB_33, KFPoly_33
• Track 220 : Cindaradix_32
• Track 221 : Mundrea_33
• Track 222 : Kratark_33
• Track 223 : Kingmustik0402_33, Iceman_34
• Track 224 : Nyxis_33, Phontbonne_33, LittleGuy_33
• Track 225 : Noelle_33
• Track 226 : Jaykayelowell_33
• Track 227 : Perplexer_33
• Track 228 : Scamp_33
• Track 229 : Backyardigan_33
• Track 230 : Ulysses_32
• Track 231 : Shygu2_33
• Track 232 : Shaka_33
• Track 233 : ICleared_33
• Track 234 : LochMonster_33
• Track 235 : Iracema64_34

• Track 236 : Micasa_29
• Track 237 : AgentM_30, Lev2_30, ForGetIt_30, Phlorence_30, Jovo_30, Aragog_30, Conspiracy_30, Discoknowium_30, Tiger_30
• Track 238 : Milcery_30, Tarynearal_29, LittleCherry_30, Theia_28, Swirley_30, George_29, Bonamassa_30, Cuco_30
• Track 239 : PickleBack_30
• Track 240 : Airmid_31
• Track 241 : ElTiger69_31, Jabiru_31
• Track 242 : Naca_31
• Track 243 : Scorpia_32
• Track 244 : Bluefalcon_29
• Track 245 : Ghoulboy_30
• Track 246 : HuhtaEnerson15_30
• Track 247 : Archetta_30
• Track 248 : Dublin_29, Midas2_30
• Track 249 : PetterN_32
• Track 250 : Chadwick_32
• Track 251 : Zolita_29, SydNat_30
• Track 252 : UnionJack_31
• Track 253 : MarysWell_29
• Track 254 : Coog_30
• Track 255 : Benedict_31
• Track 256 : Sheen_34
• Track 257 : HINdeR_33
• Track 258 : Timshel_34
• Track 259 : DroogsArmy_34
• Track 260 : PP_41
• Track 261 : Smeadley_30
• Track 262 : Danforth_29
• Track 263 : Expelliarmus_29
• Track 264 : Dixon_30
• Track 265 : Phillis_30
• Track 266 : Stephig9_30
• Track 267 : Groundhog_29
• Track 268 : Roary_30
• Track 269 : Astro_30
• Track 270 : NearlyHeadless_30
• Track 271 : SheaKeira_35
• Track 272 : Charm_33
• Track 273 : DreamTeam1_33
• Track 274 : Moss_51
• Track 275 : AinMach_48
• Track 276 : Community_53, Tuck_53
• Track 277 : Mudpuppy_47
• Track 278 : Pumpkins_75
• Track 279 : Niobe_48, Jstan_50, Asa16_48
• Track 280 : Phives_54
• Track 281 : Amyev_51, Tian_50
• Track 282 : IttyBittyPiggy_49
• Track 283 : TforTroy_50
• Track 284 : Ascela_51
• Track 285 : ObiToo_54, Crewmate_55
• Track 286 : JohnDoe_50

• Track 287 : Pixelle_53
• Track 288 : Simpson_52, Kaylissa_51
• Track 289 : Elezi_48, Eraser_48, London_48
• Track 290 : Adolin_53
• Track 291 : Tbone_50
• Track 292 : DrSierra_48
• Track 293 : Powerpuff_52, Tutumahutu_51, YesChef_50
• Track 294 : Iter_51
• Track 295 : Lego_49
• Track 296 : MissSwiss_52
• Track 297 : VResidence_50
• Track 298 : Joemato_52
• Track 299 : Nitro_51
• Track 300 : JuneStar_51, Cassia_48
• Track 301 : Warda_50
• Track 302 : Tallboi_51
• Track 303 : KeAlii_47
• Track 304 : Yang_49
• Track 305 : Turab_47
• Track 306 : AGrandiflora_52
• Track 307 : Lizalica_49
• Track 308 : Adumb2043_47
• Track 309 : Berrie_51
• Track 310 : AEgle_46
• Track 311 : Reedo_49
• Track 312 : Janeemi_52
• Track 313 : Cyan_49
• Track 314 : DrManhattan_52
• Track 315 : Wildwest_49
• Track 316 : MaGuCo_47
• Track 317 : Liebe_51, Maureen_51
• Track 318 : Snek_51
• Track 319 : Tweety19_52
• Track 320 : Euratis_57
• Track 321 : Vash_53
• Track 322 : Lilbooboo_54
• Track 323 : Samora_57
• Track 324 : Danzina_52
• Track 325 : Lannister_51
• Track 326 : Goby_50
• Track 327 : Hippo_50, Dwayne_50, Chucky_50, BarryBee_53, Whatever_50, Werner_50
• Track 328 : Snorlax_50
• Track 329 : Katalie_50, South40_50
• Track 330 : RedBear_51
• Track 331 : Sujidade_50, Lika_49, Godpower_51
• Track 332 : Ejemplo_49, TuanPN_49
• Track 333 : Emaanora_53, Maneekul_50
• Track 334 : Zemlya_51
• Track 335 : Nabi_51, Lorelei_51, Rana_51
• Track 336 : SarahRose_50, Yasdnil_50, TagePhighter_52
• Track 337 : Toma_50, Dattran_52
• Track 338 : Brataylor_53

• Track 339 : Triste_51
• Track 340 : Asten_50
• Track 341 : OzzyJ_51
• Track 342 : Celeste_51
• Track 343 : Vanseggelen_57
• Track 344 : Urza_50, Itza_50
• Track 345 : VieEnRose_50
• Track 346 : Dubu_44
• Track 347 : RER2_22, PhailMary_28, Alpacados_28
• Track 348 : Harlequin_29, Yoncess_29, Bryce_29, Jester_29, BobbyDazzler_29
• Track 349 : Swann_29, TWAMP_29, CosmicSans_29, Phrankenstein_29, Lillie_29, Rhodalysa_29
• Track 350 : Yogi_29, Bonanza_29
• Track 351 : Dinger_29
• Track 352 : Rasputin_29
• Track 353 : Alatin_29, StCroix_29, Shuman_29, Naiad_29
• Track 354 : Belenaria_29, RexFury_29, Espica_29, UhSalsa_29, Natosaleda_29
• Track 355 : AppleCloud_27, Krishelle_29
• Track 356 : Hiro_29
• Track 357 : Takoda_29
• Track 358 : Erik_29
• Track 359 : RGL3_22
• Track 360 : Gollum_29
• Track 361 : Nancinator_29, Bradshaw_29
• Track 362 : Partridge_29
• Track 363 : AngryOrchard_28
• Track 364 : Madraxi_57
• Track 365 : Honk_61
• Track 366 : GardenState_58, IAmGroot_57
• Track 367 : Cen1621_56
• Track 368 : Floof_64
• Track 369 : Mabodamaca_60
• Track 370 : Zeta1847_52
• Track 371 : CallinAllBarbz_48
• Track 372 : BaileyBlu_48
• Track 373 : Samy_94
• Track 374 : Attoomi_51

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

The start number called the most often in the published annotations is 109, it was called in 197 of the 522 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• Abrogate_380, Acme_40, Adahisdi_38, Aeneas_40, AgentM_30, Airmid_31, Ajay_38, Alsfro_41, Altman_39, Alvin_38, Aragog_30, Archetta_30, Arlo_36, Arturo_32, Ascela_51, BPBiebs31_38, BaileyBlu_48, Beatrix_37, BeesKnees_38, Benedict_31, Bethlehem_37, Bexan_35, Big3_37, BigMau_39, Bigfoot_35, BillKnuckles_38, Bonamassa_30, Bones_37, Burton_38, Bxb1_35, CactusRose_35, CallinAllBarbz_48, Caviar_34, Chadwick_32, Chanagan_36, Chargerpower_35,

Chupacabra_33, ConceptII_39, Conspiracy_30, Crispicous1_36, Cuco_30, Cueylyss_37, Cyan_49, DD5_38, DarthPhader_36, Dexes_37, Dinger_29, Discoknowium_30, Doom_37, DrFeelGood_36, Dreamboat_38, DroogsArmy_34, Dublin_29, Dussy_38, Eaglepride_35, Edtherson_38, ElTiger69_31, Euphoria_37, Eyeball_37, Fajezeel_39, Fascinus_36, Fenn_38, ForGetIt_30, GageAP_39, Gandalf20_38, George_29, Gompeii16_37, GrecoEtereo_39, Greg_39, HINdeR_33, HanShotFirst_36, HarryOW_37, HermioneGrange_37, Hiro_29, ICleared_33, IgnatiusPatJac_36, Iter_51, JC27_38, Jabiru_31, Jasper_38, Jerm2_38, Jorgensen_37, Jovo_30, JuliaChild_39, KBG_38, KSSJEB_37, Kristoff_35, Kugel_38, KyMonks1A_40, Lamina13_37, Lego_49, Lesedi_36, Lev2_30, Licorice_39, Liebe_51, LittleCherry_30, LittleGuy_33, Lizalica_49, LochMonster_33, Lockley_38, Lopton_38, MaGuCo_47, Magnar_37, Makemake_38, Marcell_37, Margo_34, Maroc7_37, Marsha_37, MaryBeth_37, Maureen_51, MetalQZJ_37, Midas2_30, Milcery_30, Monet_39, Moose_37, MrGordo_37, Mryolo_35, Mundrea_33, Naira_38, Nhonho_37, Nitro_51, Niza_40, Noella_34, Norbert_33, Norz_39, Nyxis_33, OKCentral2016_33, Ohno789_37, Oogway_36, PacerPaul_38, Panamaxus_33, Papez_39, Paraselene_36, Pari_38, Parliament_36, PascalRango_38, PattyP_39, Perseus_39, Peterson_40, PetterN_32, PherrisBueller_38, Phlorence_30, Phontbonne_33, PinkPlastic_36, Pinto_39, Pippin_39, Pita2_39, Pocahontas_34, Popcicle_34, QuinnKiro_33, RGL3_22, Rajelicia_37, Rebeuca_35, RhynO_35, Rhynn_37, RidgeCB_37, Ringer_38, Rufus_39, Rutherferd_39, Sagefire_39, Scorpia_32, Seabiscuit_39, Seanderson_38, SheaKeira_35, Sheen_34, Sibs6_38, SkiPole_40, Slagathor_38, Smairt_38, Smeagol_39, Snazzy_36, Solon_37, Squee_38, StrongArm_36, Sumter_36, Sunshine924_39, Swirley_30, SwissCheese_39, Switzer_38, SydNat_30, Takoda_29, Tarynearal_29, Theia_28, TheloniousMonk_39, Tiger_30, Timshel_34, Topgun_36, Traft412_39, Treddle_39, Trike_31, Tripl3t_38, Trouble_38, U2_37, Ulysses_32, Violet_36, Wheeler_38, Wilkins_36, Zephyr_38, Zeuska_38, Zolita_29,

Genes that have the "Most Annotated" start but do not call it:
• A6_34, AEgle_46, AFIS_37, AGrandiflora_52, Abbyshoes_39, Adolin_53, Adumb2043_47, AinMach_48, Alatin_29, Alberto7_34, Alpacados_28, Anglerfish_39, AngryOrchard_28, Anthony_33, AppleCloud_27, Arcanine_37, Asa16_48, Ashballer_39, Atkinbua_39, AvatarAhPeg_34, BK1_34, BaconJack_40, Barriga_37, Belenaria_29, Berrie_51, Bircsak_37, Blue_37, Bluefalcon_29, Bob3_36, BobbyDazzler_29, Bonanza_29, Bradshaw_29, Briton15_39, Bruns_36, Bryce_29, Camperdownii_32, Cassia_48, Ciao_37, Cindaradix_32, Coog_30, Corvo_38, CosmicSans_29, Crewmate_55, DirtyDunning_33, DrManhattan_52, DrSierra_48, DreamCatcher_40, Dulcie_36, Dynamix_38, Edison31_34, Elezi_48, Eraser_48, Espica_29, Espresso_37, Euratis_57, Forsytheast_37, Francis47_37, Froghopper_37, Ghoulboy_30, Gollum_29, Graduation_39, Gwendoluna_41, Harlequin_29, Hermia_39, Hookmount_34, Hope4ever_37, HuhtaEnerson15_30, ILeeKay_39, Ichabod_38, Iracema64_34, IttyBittyPiggy_49, JackSparrow_38, Janeemi_52, Jester_29, Joemato_52, JohnDoe_50, Jstan_50, JuneStar_51, Kanely_38, Kaylissa_51, Kenmech_40, Killigrew_35, Koreni_32, Kratark_33, Kremtemulon_32, Krishelle_29, Kykar_36, Lambert1_34, LilBib_38, Lillie_29, London_48, MPlant7149_37, Magnito_36, Manatee_38, Marge_38, MarysWell_29, McGuire_38, Micasa_29, Michley_37, Miramae_33, MissSwiss_52, Molly_39, Mudpuppy_47, Museum_39, NEHalo_37, Naca_31, Naiad_29, Nancinator_29, Natosaleda_29, Nerujay_38, Niobe_48, ObiToo_54, PP_41, PSullivan_36, Paphu_36, Partridge_29, Pelly_37, Petp2012_39, Petruchio_38, PhailMary_28, Phighter1804_33, Phrankenstein_29, PhrostyMug_38, PickleBack_30, Powerpuff_52, Pumbaa_33, Pumpkins_75, QTRlifeCrisis_41, RER2_22, Rasputin_29, ResDef_34,

RexFury_29, Rhodalysa_29, Rohr_38, Ruotula_37, STLscum_38, Samora_57, SarFire_37, Scowl_37, Shuman_29, Simpson_52, SpikeBT_39, StCroix_29, Stink_33, Swann_29, Swole_39, TWAMP_29, Tallboi_51, Tasp14_38, Teodoridan_35, Texage_33, TforTroy_50, Thor_37, Tinybot_32, Todacoro_34, Turab_47, Turj99_36, Tutumahutu_51, TwoPeat_37, UhSalsa_29, UnionJack_31, Vash_53, Veracruz_33, Warda_50, Watermelon_39, Yang_49, YesChef_50, Yogi_29, Yoncess_29, Zeeculate_37,

Genes that do not have the "Most Annotated" start:
• AbbysRanger_33, Achebe_32, AgronaGT15_36, Albee_33, Amyev_51, Annyong_33, Asten_50, Astro_30, Attoomi_51, Avle17_33, Baby16_33, BabyBack_33, Backyardigan_33, Badger_33, BarryBee_53, Bartimeaus_33, Blackmoor_33, Bombshell_33, Brataylor_53, Broseidon_33, Bruiser_32, BubbleTrouble_33, Bumblebee11_33, Burger_32, BuzzBuzz_35, Bxz2_34, Caelakin_33, Celeste_51, Cen1621_56, CentreCat_33, Chaph_33, Charm_33, Chucky_50, Cici_33, Cintron_33, Citius_33, Clarenza_33, Cocoaberry_33, Community_53, Connomayer_33, Daishi_35, Danforth_29, Danzina_52, Dattran_52, Datway_33, Deano_33, Dhanush_33, Dixon_30, Drake94_32, DreamTeam1_33, Druantia_33, Dubu_44, Dwayne_50, Eapen_33, Ejemplo_49, Emaanora_53, Erik_29, Eris_32, Eros_33, Expelliarmus_29, Floof_64, Florean_33, Flux_33, Funston_33, Gadost_33, GardenState_58, Goby_50, Godpower_51, Groundhog_29, HamSlice_32, Happiness_33, HashRod_37, Herbertwm_31, Hippo_50, Holli_33, Honk_61, Houdini22_33, IAmGroot_57, Iceman_34, Itza_50, Jaykayelowell_33, JetBlade_33, JoongJeon_33, KADY_37, KFPoly_33, Katalie136_33, Katalie_50, KeAlii_47, Kingmustik0402_33, KittenMittens_32, Kyee_33, Lannister_51, LappelDuVide_32, LarryKay_36, Lemur_33, Lika_49, Lilbooboo_54, LittleB_33, Lorelei_51, Lorenzo_33, Louie6_36, Lunsford_33, Mabodamaca_60, Madraxi_57, Maneekul_50, Maverick_33, Mazhar510_33, MeeZee_33, Methuselah_35, Millski_32, Misomonster_38, Morpher26_33, Moss_51, MyraDee_30, Nabi_51, NearlyHeadless_30, Nemo27_33, Noelle_33, NorthStar_33, NotAPhaseMom_33, OKaNui_34, OzzyJ_51, Palestino_32, PeaceMeal1_32, Peaches_33, Pepe_33, Perplexer_33, PeterPeter_33, PetiteSangsue_33, Phacado_33, Phillis_30, Phives_54, Phoxy_36, Pipcraft_33, Pixelle_53, Poompha_32, Rana_51, RedBear_51, Reedo_49, Relief_33, Roary_30, Romney_33, Roosevelt_33, Ruin_33, Rummer_36, Sabertooth_33, Samy_94, SarahRose_50, Scamp_33, Severus_32, Shaka_33, Shygu2_33, Skipitt_33, Smeadley_30, Snek_51, Snorlax_50, SororFago_38, Soshari_38, South40_50, Spike509_36, Spino_33, Stasia_34, Stephig9_30, Sujidade_50, TagePhighter_52, Taquarus_33, Tbone_50, Thanksgivukkah_33, Tian_50, TiroTheta9_33, Toma_50, Topanga_34, Tote_34, Triste_51, TuanPN_49, Tuck_53, Tweety19_52, Twister_34, TygerBlood_33, Urza_50, VResidence_50, Vanseggelen_57, VieEnRose_50, WalterMcMickey_34, Wander_33, Werner_50, Whatever_50, Wilbur_33, Wildwest_49, Wile_33, Wizard007_33, Xena_33, Yasdnil_50, YoSam321_33, Zemlya_51, Zeta1847_52,

Summary by start number:

Start 31:
• Found in 33 of 566 (5.8%) of genes in pham
• Manual Annotations of this start: 7 of 522
• Called 21.2% of time when present
• Phage (with cluster) where this start called: Celeste_51 (BD1), Danzina_52 (BD1), Dattran_52 (BD1), OzzyJ_51 (BD1), Toma_50 (BD1), Triste_51 (BD1), Zemlya_51 (BD1),

Start 41:
• Found in 19 of 566 (3.4%) of genes in pham
• Manual Annotations of this start: 5 of 522
• Called 31.6% of time when present
• Phage (with cluster) where this start called: Asten_50 (BD1), Ejemplo_49 (BD1), Emaanora_53 (BD1), Maneekul_50 (BD1), RedBear_51 (BD1), TuanPN_49 (BD1),

Start 42:
• Found in 36 of 566 (6.4%) of genes in pham
• Manual Annotations of this start: 21 of 522
• Called 61.1% of time when present
• Phage (with cluster) where this start called: BarryBee_53 (BD1), Brataylor_53 (BD1), Chucky_50 (BD1), Dwayne_50 (BD1), Goby_50 (BD1), Godpower_51 (BD1), Hippo_50 (BD1), Katalie_50 (BD1), Lannister_51 (BD1), Lika_49 (BD1), Lorelei_51 (BD1), Nabi_51 (BD1), Rana_51 (BD1), SarahRose_50 (BD1), Snorlax_50 (BD1), South40_50 (BD1), Sujidade_50 (BD1), TagePhighter_52 (BD1), Vanseggelen_57 (BD3), Werner_50 (BD1), Whatever_50 (BD1), Yasdnil_50 (BD1),

Start 46:
• Found in 5 of 566 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 522
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Dubu_44 (BJ),

Start 53:
• Found in 9 of 566 (1.6%) of genes in pham
• Manual Annotations of this start: 1 of 522
• Called 11.1% of time when present
• Phage (with cluster) where this start called: McGuire_38 (A1),

Start 55:
• Found in 6 of 566 (1.1%) of genes in pham
• Manual Annotations of this start: 1 of 522
• Called 16.7% of time when present
• Phage (with cluster) where this start called: PhrostyMug_38 (A1),

Start 60:
• Found in 171 of 566 (30.2%) of genes in pham
• Manual Annotations of this start: 24 of 522
• Called 14.0% of time when present
• Phage (with cluster) where this start called: Anglerfish_39 (A1), Arcanine_37 (A1), Ashballer_39 (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), Michley_37 (A1), Molly_39 (A1), Nerujay_38 (A1), Paphu_36 (A1), Petp2012_39 (A1), Petruchio_38 (A1), Rohr_38 (A1), Ruotula_37 (A1), Thor_37 (A1), Turj99_36 (A1), Watermelon_39 (A1),

Start 64:
• Found in 172 of 566 (30.4%) of genes in pham
• Manual Annotations of this start: 2 of 522
• Called 1.7% of time when present

• Phage (with cluster) where this start called: Bob3_36 (A1), Briton15_39 (A1), Swole_39 (A1),

Start 69:
• Found in 171 of 566 (30.2%) of genes in pham
• Manual Annotations of this start: 9 of 522
• Called 5.3% 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 70:
• Found in 171 of 566 (30.2%) of genes in pham
• Manual Annotations of this start: 7 of 522
• Called 5.8% of time when present
• Phage (with cluster) where this start called: A6_34 (A1), Atkinbua_39 (A1), BK1_34 (A1), Espresso_37 (A1), Gwendoluna_41 (A1), ILeeKay_39 (A1), Ichabod_38 (A1), Manatee_38 (A1), STLscum_38 (A1), Teodoridan_35 (A1),

Start 72:
• Found in 3 of 566 (0.5%) of genes in pham
• Manual Annotations of this start: 3 of 522
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Reedo_49 (AZ1), Snek_51 (AZ3), Tweety19_52 (AZ3),

Start 73:
• Found in 23 of 566 (4.1%) of genes in pham
• Manual Annotations of this start: 8 of 522
• Called 34.8% of time when present
• Phage (with cluster) where this start called: Alberto7_34 (A4), AvatarAhPeg_34 (A4), DirtyDunning_33 (A4), Koreni_32 (A4), Kratark_33 (A4), Miramae_33 (A4), Phighter1804_33 (A4), Pumbaa_33 (A4),

Start 74:
• Found in 2 of 566 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 522
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Floof_64 (EH), Mabodamaca_60 (EH),

Start 76:
• Found in 4 of 566 (0.7%) of genes in pham
• Manual Annotations of this start: 1 of 522
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Euratis_57 (BB1), Samora_57 (BB1),

Start 77:
• Found in 173 of 566 (30.6%) of genes in pham
• Manual Annotations of this start: 2 of 522
• Called 1.2% of time when present
• Phage (with cluster) where this start called: SarFire_37 (A1), Zeta1847_52 (EH),

Start 79:

• Found in 18 of 566 (3.2%) of genes in pham
• Manual Annotations of this start: 3 of 522
• Called 16.7% of time when present
• Phage (with cluster) where this start called: AFIS_37 (A1), Graduation_39 (A1), SpikeBT_39 (A1),

Start 82:
• Found in 5 of 566 (0.9%) of genes in pham
• Manual Annotations of this start: 2 of 522
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Cen1621_56 (EH), Samy_94 (singleton),

Start 83:
• Found in 100 of 566 (17.7%) of genes in pham
• Manual Annotations of this start: 1 of 522
• Called 1.0% of time when present
• Phage (with cluster) where this start called: Flux_33 (A4),

Start 85:
• Found in 1 of 566 (0.2%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AinMach_48 (AZ),

Start 93:
• Found in 2 of 566 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 522
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Honk_61 (EH), VResidence_50 (AZ1),

Start 95:
• Found in 43 of 566 (7.6%) of genes in pham
• Manual Annotations of this start: 33 of 522
• Called 81.4% of time when present
• Phage (with cluster) where this start called: Alatin_29 (CA), Alpacados_28 (CA), AngryOrchard_28 (CA), AppleCloud_27 (CA), Belenaria_29 (CA), BobbyDazzler_29 (CA), Bonanza_29 (CA), Bradshaw_29 (CA), Bryce_29 (CA), Community_53 (AZ1), CosmicSans_29 (CA), Espica_29 (CA), Gollum_29 (CA), Harlequin_29 (CA), Jester_29 (CA), Krishelle_29 (CA), Lillie_29 (CA), Naiad_29 (CA), Nancinator_29 (CA), Natosaleda_29 (CA), Partridge_29 (CA), PhailMary_28 (CA), Phrankenstein_29 (CA), RER2_22 (CA), Rasputin_29 (CA), RexFury_29 (CA), Rhodalysa_29 (CA), Shuman_29 (CA), StCroix_29 (CA), Swann_29 (CA), TWAMP_29 (CA), Tuck_53 (AZ1), UhSalsa_29 (CA), Yogi_29 (CA), Yoncess_29 (CA),

Start 96:
• Found in 2 of 566 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 522
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GardenState_58 (EH), IAmGroot_57 (EH),

Start 99:

• Found in 44 of 566 (7.8%) of genes in pham
• Manual Annotations of this start: 4 of 522
• Called 13.6% of time when present
• Phage (with cluster) where this start called: Joemato_52 (AZ1), KeAlii_47 (AZ1), MissSwiss_52 (AZ1), Phives_54 (AZ1), Tbone_50 (AZ1), Wildwest_49 (AZ1),

Start 100:
• Found in 134 of 566 (23.7%) of genes in pham
• Manual Annotations of this start: 39 of 522
• Called 37.3% of time when present
• Phage (with cluster) where this start called: AEgle_46 (AZ1), AGrandiflora_52 (AZ1), Adolin_53 (AZ1), Adumb2043_47 (AZ1), Asa16_48 (AZ1), Backyardigan_33 (A4), Berrie_51 (AZ1), Bombshell_33 (A4), Burger_32 (A4), Caelakin_33 (A4), Cassia_48 (AZ1), Crewmate_55 (AZ1), Datway_33 (A4), DrManhattan_52 (AZ1), DrSierra_48 (AZ1), Elezi_48 (AZ1), Eraser_48 (AZ1), Eros_33 (A4), HamSlice_32 (A4), Holli_33 (A4), IttyBittyPiggy_49 (AZ1), Janeemi_52 (AZ1), JohnDoe_50 (AZ1), Jstan_50 (AZ1), JuneStar_51 (AZ1), Kaylissa_51 (AZ1), KittenMittens_32 (A10), London_48 (AZ1), Maverick_33 (A4), Mudpuppy_47 (AZ1), Niobe_48 (AZ1), ObiToo_54 (AZ1), PeaceMeal1_32 (A10), Peaches_33 (A4), Perplexer_33 (A4), Pipcraft_33 (A4), Poompha_32 (A10), Powerpuff_52 (AZ1), Pumpkins_75 (AZ1), Romney_33 (A4), Shaka_33 (A4), Simpson_52 (AZ1), Tallboi_51 (AZ1), TforTroy_50 (AZ1), Turab_47 (AZ1), Tutumahutu_51 (AZ1), Warda_50 (AZ1), Wilbur_33 (A4), Yang_49 (AZ1), YesChef_50 (AZ1),

Start 101:
• Found in 17 of 566 (3.0%) of genes in pham
• Manual Annotations of this start: 3 of 522
• Called 17.6% of time when present
• Phage (with cluster) where this start called: Hookmount_34 (A3), Lambert1_34 (A3), PP_41 (A7),

Start 102:
• Found in 10 of 566 (1.8%) of genes in pham
• Manual Annotations of this start: 1 of 522
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Amyev_51 (AZ1), Moss_51 (AZ), Pixelle_53 (AZ1), Tian_50 (AZ1),

Start 103:
• Found in 4 of 566 (0.7%) of genes in pham
• Manual Annotations of this start: 3 of 522
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Topanga_34 (A10), Twister_34 (A10), WalterMcMickey_34 (A10),

Start 105:
• Found in 8 of 566 (1.4%) of genes in pham
• Manual Annotations of this start: 1 of 522
• Called 12.5% of time when present
• Phage (with cluster) where this start called: Cindaradix_32 (A4),

Start 106:
• Found in 118 of 566 (20.8%) of genes in pham

• Manual Annotations of this start: 100 of 522
• Called 86.4% of time when present
• Phage (with cluster) where this start called: AbbysRanger_33 (A4), Achebe_32 (A4), AgronaGT15_36 (A3), Albee_33 (A4), Annyong_33 (A4), Astro_30 (A8), Avle17_33 (A4), Baby16_33 (A4), Badger_33 (A4), Bartimeaus_33 (A4), Blackmoor_33 (A4), Broseidon_33 (A4), Bruiser_32 (A4), BubbleTrouble_33 (A4), Bumblebee11_33 (A4), BuzzBuzz_35 (A3), Bxz2_34 (A3), CentreCat_33 (A4), Chaph_33 (A4), Cici_33 (A4), Cintron_33 (A4), Citius_33 (A4), Clarenza_33 (A4), Cocoaberry_33 (A4), Connomayer_33 (A4), Daishi_35 (A3), Danforth_29 (A8), Deano_33 (A4), Dhanush_33 (A4), Dixon_30 (A8), Druantia_33 (A4), Eapen_33 (A4), Eris_32 (A4), Expelliarmus_29 (A8), Florean_33 (A4), Funston_33 (A4), Gadost_33 (A4), Groundhog_29 (A8), Happiness_33 (A4), HashRod_37 (A3), Herbertwm_31 (A2), Houdini22_33 (A4), Iceman_34 (A4), Jaykayelowell_33 (A4), JetBlade_33 (A4), JoongJeon_33 (A4), KADY_37 (A3), KFPoly_33 (A4), Katalie136_33 (A4), Kingmustik0402_33 (A4), Kyee_33 (A4), LappelDuVide_32 (A4), LarryKay_36 (A3), Lemur_33 (A4), LittleB_33 (A4), Lorenzo_33 (A4), Louie6_36 (A3), Lunsford_33 (A4), Mazhar510_33 (A4), MeeZee_33 (A4), Methuselah_35 (A3), Millski_32 (A4), Misomonster_38 (A3), Morpher26_33 (A4), MyraDee_30 (A18), NearlyHeadless_30 (A8), Nemo27_33 (A4), Noelle_33 (A4), NorthStar_33 (A4), NotAPhaseMom_33 (A4), OKaNui_34 (A4), Palestino_32 (A4), PeterPeter_33 (A4), PetiteSangsue_33 (A4), Phacado_33 (A4), Phillis_30 (A8), Phoxy_36 (A3), Relief_33 (A4), Roary_30 (A8), Roosevelt_33 (A4), Ruin_33 (A4), Rummer_36 (A3), Sabertooth_33 (A4), Scamp_33 (A4), Shygu2_33 (A4), Skipitt_33 (A4), Smeadley_30 (A8), SororFago_38 (A14), Soshari_38 (A3), Spike509_36 (A3), Spino_33 (A4), Stasia_34 (A4), Stephig9_30 (A8), Taquarus_33 (A4), Thanksgivukkah_33 (A4), TiroTheta9_33 (A4), TygerBlood_33 (A4), Wander_33 (A4), Wile_33 (A4), Wizard007_33 (A4), Xena_33 (A4), YoSam321_33 (A4),

Start 107:
• Found in 2 of 566 (0.4%) of genes in pham
• Manual Annotations of this start: 2 of 522
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Charm_33 (A9), DreamTeam1_33 (A9),

Start 108:
• Found in 6 of 566 (1.1%) of genes in pham
• Manual Annotations of this start: 2 of 522
• Called 50.0% of time when present
• Phage (with cluster) where this start called: BabyBack_33 (A2), Drake94_32 (A10), Severus_32 (A10),

Start 109:
• Found in 370 of 566 (65.4%) of genes in pham
• Manual Annotations of this start: 197 of 522
• Called 54.1% of time when present
• Phage (with cluster) where this start called: Abrogate_380 (A1), Acme_40 (A1), Adahisdi_38 (A1), Aeneas_40 (A1), AgentM_30 (A5), Airmid_31 (A5), Ajay_38 (A1), Alsfro_41 (A1), Altman_39 (A1), Alvin_38 (A1), Aragog_30 (A5), Archetta_30 (A5), Arlo_36 (A1), Arturo_32 (A4), Ascela_51 (AZ1), BPBiebs31_38 (A1), BaileyBlu_48 (FP), Beatrix_37 (A1), BeesKnees_38 (A1), Benedict_31 (A5), Bethlehem_37 (A1), Bexan_35 (A1), Big3_37 (A1), BigMau_39 (A1), Bigfoot_35 (A1), BillKnuckles_38 (A1), Bonamassa_30 (A5), Bones_37 (A1), Burton_38 (A1), Bxb1_35 (A1), CactusRose_35 (A1), CallinAllBarbz_48 (FP), Caviar_34 (A3), Chadwick_32 (A5),

Chanagan_36 (A1), Chargerpower_35 (A), Chupacabra_33 (A10), ConceptII_39 (A1), Conspiracy_30 (A5), Crispicous1_36 (A1), Cuco_30 (A5), Cueylyss_37 (A1), Cyan_49 (AZ1), DD5_38 (A1), DarthPhader_36 (A12), Dexes_37 (A1), Dinger_29 (CA), Discoknowium_30 (A5), Doom_37 (A1), DrFeelGood_36 (A1), Dreamboat_38 (A1), DroogsArmy_34 (A7), Dublin_29 (A5), Dussy_38 (A1), Eaglepride_35 (A10), Edtherson_38 (A1), ElTiger69_31 (A5), Euphoria_37 (A1), Eyeball_37 (A1), Fajezeel_39 (A1), Fascinus_36 (A1), Fenn_38 (A1), ForGetIt_30 (A5), GageAP_39 (A1), Gandalf20_38 (A1), George_29 (A5), Gompeii16_37 (A1), GrecoEtereo_39 (A1), Greg_39 (A1), HINdeR_33 (A7), HanShotFirst_36 (A1), HarryOW_37 (A1), HermioneGrange_37 (A1), Hiro_29 (CA), ICleared_33 (A4), IgnatiusPatJac_36 (A1), Iter_51 (AZ1), JC27_38 (A1), Jabiru_31 (A5), Jasper_38 (A1), Jerm2_38 (A1), Jorgensen_37 (A1), Jovo_30 (A5), JuliaChild_39 (A1), KBG_38 (A1), KSSJEB_37 (A1), Kristoff_35 (A10), Kugel_38 (A1), KyMonks1A_40 (A1), Lamina13_37 (A1), Lego_49 (AZ1), Lesedi_36 (A1), Lev2_30 (A5), Licorice_39 (A1), Liebe_51 (AZ2), LittleCherry_30 (A5), LittleGuy_33 (A4), Lizalica_49 (AZ1), LochMonster_33 (A4), Lockley_38 (A1), Lopton_38 (A1), MaGuCo_47 (AZ2), Magnar_37 (A1), Makemake_38 (A1), Marcell_37 (A1), Margo_34 (A3), Maroc7_37 (A1), Marsha_37 (A1), MaryBeth_37 (A1), Maureen_51 (AZ2), MetalQZJ_37 (A1), Midas2_30 (A5), Milcery_30 (A5), Monet_39 (A1), Moose_37 (A1), MrGordo_37 (A1), Mryolo_35 (A1), Mundrea_33 (A4), Naira_38 (A1), Nhonho_37 (A1), Nitro_51 (AZ1), Niza_40 (A1), Noella_34 (A3), Norbert_33 (A3), Norz_39 (A1), Nyxis_33 (A4), OKCentral2016_33 (A10), Ohno789_37 (A1), Oogway_36 (A1), PacerPaul_38 (A1), Panamaxus_33 (A3), Papez_39 (A1), Paraselene_36 (A1), Pari_38 (A1), Parliament_36 (A1), PascalRango_38 (A1), PattyP_39 (A1), Perseus_39 (A1), Peterson_40 (A1), PetterN_32 (A5), PherrisBueller_38 (A1), Phlorence_30 (A5), Phontbonne_33 (A4), PinkPlastic_36 (A1), Pinto_39 (A1), Pippin_39 (A1), Pita2_39 (A1), Pocahontas_34 (A3), Popcicle_34 (A3), QuinnKiro_33 (A3), RGL3_22 (CA), Rajelicia_37 (A1), Rebeuca_35 (A10), RhynO_35 (A10), Rhynn_37 (A1), RidgeCB_37 (A1), Ringer_38 (A1), Rufus_39 (A1), Rutherferd_39 (A1), Sagefire_39 (A1), Scorpia_32 (A5), Seabiscuit_39 (A1), Seanderson_38 (A1), SheaKeira_35 (A9), Sheen_34 (A7), Sibs6_38 (A1), SkiPole_40 (A1), Slagathor_38 (A1), Smairt_38 (A1), Smeagol_39 (A1), Snazzy_36 (A1), Solon_37 (A1), Squee_38 (A1), StrongArm_36 (A1), Sumter_36 (A1), Sunshine924_39 (A1), Swirley_30 (A5), SwissCheese_39 (A1), Switzer_38 (A1), SydNat_30 (A5), Takoda_29 (CA), Tarynearal_29 (A5), Theia_28 (A5), TheloniousMonk_39 (A1), Tiger_30 (A5), Timshel_34 (A7), Topgun_36 (A1), Traft412_39 (A1), Treddle_39 (A1), Trike_31 (A10), Tripl3t_38 (A1), Trouble_38 (A1), U2_37 (A1), Ulysses_32 (A4), Violet_36 (A1), Wheeler_38 (A1), Wilkins_36 (A1), Zephyr_38 (A1), Zeuska_38 (A1), Zolita_29 (A5),

Start 110:
• Found in 57 of 566 (10.1%) of genes in pham
• Manual Annotations of this start: 3 of 522
• Called 7.0% of time when present
• Phage (with cluster) where this start called: ResDef_34 (A3), Texage_33 (A3), Todacoro_34 (A3), Veracruz_33 (A3),

Start 111:
• Found in 37 of 566 (6.5%) of genes in pham
• Manual Annotations of this start: 2 of 522
• Called 5.4% of time when present
• Phage (with cluster) where this start called: Anthony_33 (A20), Museum_39 (A1),

Start 112:

• Found in 13 of 566 (2.3%) of genes in pham
• Manual Annotations of this start: 3 of 522
• Called 23.1% of time when present
• Phage (with cluster) where this start called: Itza_50 (BD6), Urza_50 (BD6), VieEnRose_50 (BD6),

Start 114:
• Found in 110 of 566 (19.4%) of genes in pham
• Manual Annotations of this start: 7 of 522
• Called 11.8% of time when present
• Phage (with cluster) where this start called: Barriga_37 (A1), Bruns_36 (A1), Ciao_37 (A1), Francis47_37 (A1), Hermia_39 (A1), Kanely_38 (A1), Killigrew_35 (A1), LilBib_38 (A1), PSullivan_36 (A1), Pelly_37 (A1), QTRlifeCrisis_41 (A1), TwoPeat_37 (A1), Zeeculate_37 (A1),

Start 115:
• Found in 69 of 566 (12.2%) of genes in pham
• Manual Annotations of this start: 3 of 522
• Called 5.8% of time when present
• Phage (with cluster) where this start called: Camperdownii_32 (A4), Iracema64_34 (A4), Kremtemulon_32 (A4), Tinybot_32 (A4),

Start 117:
• Found in 4 of 566 (0.7%) of genes in pham
• Manual Annotations of this start: 2 of 522
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Lilbooboo_54 (BB1), Vash_53 (BB1),

Start 118:
• Found in 43 of 566 (7.6%) of genes in pham
• Manual Annotations of this start: 1 of 522
• Called 2.3% of time when present
• Phage (with cluster) where this start called: Bluefalcon_29 (A5),

Start 119:
• Found in 38 of 566 (6.7%) of genes in pham
• Manual Annotations of this start: 3 of 522
• Called 7.9% of time when present
• Phage (with cluster) where this start called: Coog_30 (A5), Naca_31 (A5), UnionJack_31 (A5),

Start 123:
• Found in 29 of 566 (5.1%) of genes in pham
• Manual Annotations of this start: 4 of 522
• Called 17.2% of time when present
• Phage (with cluster) where this start called: Ghoulboy_30 (A5), HuhtaEnerson15_30 (A5), MarysWell_29 (A5), Micasa_29 (A5), PickleBack_30 (A5),

Start 128:
• Found in 22 of 566 (3.9%) of genes in pham
• No Manual Annotations of this start.
• Called 4.5% of time when present
• Phage (with cluster) where this start called: Stink_33 (A4),

Start 132:
• Found in 38 of 566 (6.7%) of genes in pham
• Manual Annotations of this start: 1 of 522
• Called 5.3% of time when present
• Phage (with cluster) where this start called: Attoomi_51 (singleton), Madraxi_57 (CF),

Start 138:
• Found in 207 of 566 (36.6%) of genes in pham
• Manual Annotations of this start: 1 of 522
• Called 1.0% of time when present
• Phage (with cluster) where this start called: Edison31_34 (A10), Erik_29 (CA),

Start 151:
• Found in 251 of 566 (44.3%) of genes in pham
• Manual Annotations of this start: 1 of 522
• Called 0.4% of time when present
• Phage (with cluster) where this start called: Pepe_33 (A1),

Start 153:
• Found in 250 of 566 (44.2%) of genes in pham
• Manual Annotations of this start: 1 of 522
• Called 0.4% of time when present
• Phage (with cluster) where this start called: Dulcie_36 (A1),

Start 195:
• Found in 198 of 566 (35.0%) of genes in pham
• Manual Annotations of this start: 1 of 522
• Called 0.5% of time when present
• Phage (with cluster) where this start called: Tote_34 (A1),

Summary by clusters:

There are 28 clusters represented in this pham: FP, singleton, BJ, A14, A10, A12, A18, A1, A3, BD6, BD1, A4, A7, A9, A5, A2, BB1, A, EH, CA, CF, BD3, A8, AZ, A20, AZ1, AZ2, AZ3,

Info for manual annotations of cluster A:
•Start number 109 was manually annotated 1 time for cluster A.

Info for manual annotations of cluster A1:
•Start number 53 was manually annotated 1 time for cluster A1.
•Start number 55 was manually annotated 1 time for cluster A1.
•Start number 60 was manually annotated 24 times for cluster A1.
•Start number 64 was manually annotated 2 times for cluster A1.
•Start number 69 was manually annotated 9 times for cluster A1.
•Start number 70 was manually annotated 7 times for cluster A1.
•Start number 77 was manually annotated 1 time for cluster A1.
•Start number 79 was manually annotated 3 times for cluster A1.
•Start number 109 was manually annotated 125 times for cluster A1.
•Start number 111 was manually annotated 1 time for cluster A1.
•Start number 114 was manually annotated 7 times for cluster A1.

•Start number 151 was manually annotated 1 time for cluster A1.
•Start number 153 was manually annotated 1 time for cluster A1.
•Start number 195 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A10:
•Start number 100 was manually annotated 3 times for cluster A10.
•Start number 103 was manually annotated 3 times for cluster A10.
•Start number 108 was manually annotated 2 times for cluster A10.
•Start number 109 was manually annotated 7 times for cluster A10.

Info for manual annotations of cluster A12:
•Start number 109 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A14:
•Start number 106 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A18:
•Start number 106 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A2:
•Start number 106 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A20:
•Start number 111 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A3:
•Start number 101 was manually annotated 2 times for cluster A3.
•Start number 106 was manually annotated 14 times for cluster A3.
•Start number 109 was manually annotated 8 times for cluster A3.
•Start number 110 was manually annotated 3 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 73 was manually annotated 8 times for cluster A4.
•Start number 83 was manually annotated 1 time for cluster A4.
•Start number 100 was manually annotated 15 times for cluster A4.
•Start number 105 was manually annotated 1 time for cluster A4.
•Start number 106 was manually annotated 73 times for cluster A4.
•Start number 109 was manually annotated 8 times for cluster A4.
•Start number 115 was manually annotated 3 times for cluster A4.

Info for manual annotations of cluster A5:
•Start number 109 was manually annotated 29 times for cluster A5.
•Start number 118 was manually annotated 1 time for cluster A5.
•Start number 119 was manually annotated 3 times for cluster A5.
•Start number 123 was manually annotated 4 times for cluster A5.

Info for manual annotations of cluster A7:
•Start number 101 was manually annotated 1 time for cluster A7.
•Start number 109 was manually annotated 4 times for cluster A7.

Info for manual annotations of cluster A8:
•Start number 106 was manually annotated 10 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 107 was manually annotated 2 times for cluster A9.
•Start number 109 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AZ1:
•Start number 72 was manually annotated 1 time for cluster AZ1.
•Start number 93 was manually annotated 1 time for cluster AZ1.
•Start number 95 was manually annotated 1 time for cluster AZ1.
•Start number 99 was manually annotated 4 times for cluster AZ1.
•Start number 100 was manually annotated 21 times for cluster AZ1.
•Start number 102 was manually annotated 1 time for cluster AZ1.
•Start number 109 was manually annotated 5 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 109 was manually annotated 3 times for cluster AZ2.

Info for manual annotations of cluster AZ3:
•Start number 72 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster BB1:
•Start number 76 was manually annotated 1 time for cluster BB1.
•Start number 117 was manually annotated 2 times for cluster BB1.

Info for manual annotations of cluster BD1:
•Start number 31 was manually annotated 7 times for cluster BD1.
•Start number 41 was manually annotated 5 times for cluster BD1.
•Start number 42 was manually annotated 21 times for cluster BD1.

Info for manual annotations of cluster BD6:
•Start number 112 was manually annotated 3 times for cluster BD6.

Info for manual annotations of cluster BJ:
•Start number 46 was manually annotated 1 time for cluster BJ.

Info for manual annotations of cluster CA:
•Start number 95 was manually annotated 32 times for cluster CA.
•Start number 109 was manually annotated 3 times for cluster CA.
•Start number 138 was manually annotated 1 time for cluster CA.

Info for manual annotations of cluster EH:
•Start number 74 was manually annotated 2 times for cluster EH.
•Start number 77 was manually annotated 1 time for cluster EH.
•Start number 82 was manually annotated 1 time for cluster EH.
•Start number 93 was manually annotated 1 time for cluster EH.
•Start number 96 was manually annotated 2 times for cluster EH.

Info for manual annotations of cluster FP:
•Start number 109 was manually annotated 2 times for cluster FP.

Gene Information:

Gene: A6_34 Start: 28460, Stop: 30028, Start Num: 70
Candidate Starts for A6_34:
(Start: 60 @28445 has 24 MA's), (Start: 64 @28451 has 2 MA's), (Start: 69 @28457 has 9 MA's), (Start: 70 @28460 has 7 MA's), (Start: 77 @28475 has 2 MA's), (Start: 109 @28526 has 197 MA's), (Start: 111 @28535 has 2 MA's), (Start: 151 @28745 has 1 MA's), (Start: 153 @28751 has 1 MA's), (157, 28772), (Start: 195 @28901 has 1 MA's), (197, 28910), (198, 28919), (229, 29027), (236, 29048), (238, 29060), (243, 29084), (253, 29126), (285, 29255), (300, 29315), (314, 29372), (324, 29399), (331, 29426), (332, 29429), (339, 29441), (360, 29510), (371, 29543), (373, 29549), (382, 29582), (402, 29663), (405, 29678), (429, 29783), (452, 29897), (487, 29996), (498, 30020),

Gene: AEgle_46 Start: 34374, Stop: 35792, Start Num: 100
Candidate Starts for AEgle_46:
(92, 34356), (Start: 99 @34371 has 4 MA's), (Start: 100 @34374 has 39 MA's), (Start: 109 @34383 has 197 MA's), (133, 34497), (Start: 153 @34605 has 1 MA's), (159, 34638), (164, 34653), (189, 34716), (192, 34728), (194, 34737), (220, 34836), (243, 34929), (253, 34968), (288, 35073), (384, 35427), (385, 35430), (391, 35448), (394, 35460), (438, 35631),

Gene: AFIS_37 Start: 29661, Stop: 31205, Start Num: 79
Candidate Starts for AFIS_37:
(48, 29604), (Start: 53 @29616 has 1 MA's), (Start: 79 @29661 has 3 MA's), (Start: 109 @29706 has 197 MA's), (Start: 118 @29739 has 1 MA's), (Start: 151 @29925 has 1 MA's), (Start: 153 @29931 has 1 MA's), (157, 29952), (Start: 195 @30081 has 1 MA's), (197, 30090), (198, 30099), (229, 30207), (236, 30228), (238, 30240), (285, 30435), (300, 30495), (314, 30552), (331, 30606), (339, 30621), (371, 30720), (382, 30759), (402, 30840), (405, 30855), (452, 31074), (487, 31173), (498, 31197),

Gene: AGrandiflora_52 Start: 35693, Stop: 37111, Start Num: 100
Candidate Starts for AGrandiflora_52:
(92, 35675), (Start: 99 @35690 has 4 MA's), (Start: 100 @35693 has 39 MA's), (Start: 109 @35702 has 197 MA's), (133, 35816), (Start: 138 @35840 has 1 MA's), (Start: 153 @35924 has 1 MA's), (189, 36035), (192, 36047), (194, 36056), (220, 36155), (243, 36248), (245, 36260), (253, 36287), (288, 36392), (301, 36446), (385, 36749), (391, 36767), (394, 36779), (402, 36812), (438, 36950),

Gene: AbbysRanger_33 Start: 26661, Stop: 25147, Start Num: 106
Candidate Starts for AbbysRanger_33:
(Start: 83 @26703 has 1 MA's), (Start: 100 @26670 has 39 MA's), (Start: 106 @26661 has 100 MA's), (139, 26499), (Start: 151 @26433 has 1 MA's), (156, 26415), (174, 26340), (191, 26277), (192, 26274), (212, 26187), (243, 26061), (287, 25878), (300, 25821), (313, 25767), (329, 25716), (369, 25587), (372, 25578), (393, 25503), (395, 25497), (421, 25383), (422, 25374), (431, 25335), (476, 25185), (481, 25170),

Gene: Abbyshoes_39 Start: 29526, Stop: 31109, Start Num: 69
Candidate Starts for Abbyshoes_39:
(Start: 60 @29514 has 24 MA's), (Start: 64 @29520 has 2 MA's), (Start: 69 @29526 has 9 MA's), (Start: 70 @29529 has 7 MA's), (Start: 77 @29544 has 2 MA's), (Start: 109 @29595 has 197 MA's), (Start: 112 @29607 has 3 MA's), (Start: 153 @29820 has 1 MA's), (156, 29832), (157, 29841), (166, 29874), (Start: 195 @29970 has 1 MA's), (197, 29979), (198, 29988), (229, 30096), (236, 30117), (238, 30129), (243, 30153), (253, 30195), (285, 30324), (300, 30384), (314, 30441), (324, 30468), (331, 30495), (332, 30498), (339, 30510), (360, 30579), (373, 30618), (382, 30651), (402, 30732), (405, 30747), (452, 30966),

Gene: Abrogate_380 Start: 30330, Stop: 31832, Start Num: 109

Candidate Starts for Abrogate_380:
(Start: 55 @30240 has 1 MA's), (Start: 60 @30249 has 24 MA's), (Start: 64 @30255 has 2 MA's), (Start: 69 @30261 has 9 MA's), (Start: 70 @30264 has 7 MA's), (Start: 77 @30279 has 2 MA's), (Start: 109 @30330 has 197 MA's), (Start: 114 @30345 has 7 MA's), (Start: 151 @30549 has 1 MA's), (Start: 153 @30555 has 1 MA's), (Start: 195 @30705 has 1 MA's), (197, 30714), (198, 30723), (229, 30831), (236, 30852), (238, 30864), (243, 30888), (253, 30930), (285, 31059), (300, 31119), (314, 31176), (324, 31203), (327, 31218), (329, 31221), (331, 31230), (332, 31233), (339, 31245), (373, 31353), (382, 31386), (402, 31467), (405, 31482), (452, 31701), (487, 31800), (498, 31824),

Gene: Achebe_32 Start: 26644, Stop: 25130, Start Num: 106
Candidate Starts for Achebe_32:
(Start: 83 @26686 has 1 MA's), (Start: 100 @26653 has 39 MA's), (Start: 106 @26644 has 100 MA's), (139, 26482), (Start: 151 @26416 has 1 MA's), (156, 26398), (174, 26323), (191, 26260), (192, 26257), (212, 26170), (243, 26044), (287, 25861), (300, 25804), (313, 25750), (329, 25699), (369, 25570), (372, 25561), (393, 25486), (395, 25480), (421, 25366), (422, 25357), (431, 25318), (476, 25168), (481, 25153),

Gene: Acme_40 Start: 29877, Stop: 31391, Start Num: 109
Candidate Starts for Acme_40:
(Start: 60 @29796 has 24 MA's), (Start: 64 @29802 has 2 MA's), (Start: 69 @29808 has 9 MA's), (Start: 70 @29811 has 7 MA's), (Start: 77 @29826 has 2 MA's), (Start: 109 @29877 has 197 MA's), (Start: 114 @29892 has 7 MA's), (134, 29994), (Start: 153 @30102 has 1 MA's), (157, 30123), (Start: 195 @30252 has 1 MA's), (197, 30261), (198, 30270), (199, 30276), (224, 30366), (229, 30378), (238, 30411), (245, 30447), (285, 30606), (300, 30666), (314, 30723), (324, 30750), (331, 30777), (332, 30780), (339, 30792), (360, 30861), (371, 30894), (373, 30900), (382, 30933), (402, 31014), (405, 31029), (429, 31134), (452, 31248),

Gene: Adahisdi_38 Start: 29753, Stop: 31255, Start Num: 109
Candidate Starts for Adahisdi_38:
(Start: 60 @29672 has 24 MA's), (Start: 64 @29678 has 2 MA's), (Start: 69 @29684 has 9 MA's), (Start: 70 @29687 has 7 MA's), (Start: 77 @29702 has 2 MA's), (Start: 109 @29753 has 197 MA's), (Start: 132 @29861 has 1 MA's), (Start: 153 @29978 has 1 MA's), (157, 29999), (Start: 195 @30128 has 1 MA's), (197, 30137), (198, 30146), (229, 30254), (236, 30275), (238, 30287), (243, 30311), (285, 30482), (300, 30542), (314, 30599), (324, 30626), (331, 30653), (332, 30656), (339, 30668), (360, 30737), (371, 30770), (373, 30776), (382, 30809), (402, 30890), (405, 30905), (429, 31010), (452, 31124), (487, 31223), (498, 31247),

Gene: Adolin_53 Start: 34720, Stop: 36138, Start Num: 100
Candidate Starts for Adolin_53:
(92, 34702), (Start: 99 @34717 has 4 MA's), (Start: 100 @34720 has 39 MA's), (Start: 109 @34729 has 197 MA's), (Start: 115 @34747 has 3 MA's), (Start: 138 @34867 has 1 MA's), (Start: 153 @34951 has 1 MA's), (159, 34984), (164, 34999), (189, 35062), (192, 35074), (220, 35182), (243, 35275), (253, 35314), (304, 35494), (384, 35773), (391, 35794), (438, 35977),

Gene: Adumb2043_47 Start: 34394, Stop: 35812, Start Num: 100
Candidate Starts for Adumb2043_47:
(92, 34376), (Start: 99 @34391 has 4 MA's), (Start: 100 @34394 has 39 MA's), (Start: 109 @34403 has 197 MA's), (133, 34517), (Start: 153 @34625 has 1 MA's), (159, 34658), (189, 34736), (192, 34748), (194, 34757), (220, 34856), (231, 34898), (243, 34949), (253, 34988), (288, 35093), (384, 35447), (385, 35450), (391, 35468), (394, 35480), (438, 35651),

Gene: Aeneas_40 Start: 29906, Stop: 31408, Start Num: 109
Candidate Starts for Aeneas_40:

(Start: 60 @29825 has 24 MA's), (Start: 64 @29831 has 2 MA's), (Start: 69 @29837 has 9 MA's), (Start: 70 @29840 has 7 MA's), (Start: 77 @29855 has 2 MA's), (Start: 109 @29906 has 197 MA's), (Start: 114 @29921 has 7 MA's), (116, 29930), (Start: 151 @30125 has 1 MA's), (Start: 153 @30131 has 1 MA's), (157, 30152), (Start: 195 @30281 has 1 MA's), (197, 30290), (198, 30299), (229, 30407), (236, 30428), (238, 30440), (243, 30464), (253, 30506), (285, 30635), (300, 30695), (314, 30752), (324, 30779), (331, 30806), (332, 30809), (339, 30821), (373, 30929), (382, 30962), (402, 31043), (405, 31058), (452, 31277), (487, 31376), (498, 31400),

Gene: AgentM_30 Start: 25856, Stop: 24363, Start Num: 109
Candidate Starts for AgentM_30:
(Start: 109 @25856 has 197 MA's), (Start: 118 @25823 has 1 MA's), (Start: 119 @25820 has 3 MA's), (Start: 123 @25802 has 4 MA's), (Start: 138 @25721 has 1 MA's), (168, 25577), (178, 25550), (192, 25502), (236, 25337), (241, 25313), (242, 25310), (245, 25289), (296, 25100), (343, 24929), (377, 24794), (390, 24752), (393, 24740), (413, 24656), (417, 24641), (421, 24626), (460, 24449), (477, 24419), (488, 24386),

Gene: AgronaGT15_36 Start: 27130, Stop: 25562, Start Num: 106
Candidate Starts for AgronaGT15_36:
(37, 27280), (40, 27265), (87, 27166), (Start: 106 @27130 has 100 MA's), (157, 26875), (163, 26851), (177, 26791), (191, 26743), (192, 26740), (212, 26653), (217, 26641), (221, 26620), (226, 26596), (243, 26527), (261, 26458), (265, 26449), (287, 26344), (296, 26299), (329, 26167), (356, 26083), (371, 26026), (422, 25819), (452, 25678),

Gene: AinMach_48 Start: 34606, Stop: 36066, Start Num: 85
Candidate Starts for AinMach_48:
(85, 34606), (Start: 109 @34645 has 197 MA's), (135, 34765), (166, 34918), (170, 34930), (189, 34975), (192, 34987), (196, 35005), (198, 35017), (241, 35176), (250, 35218), (290, 35338), (339, 35524), (354, 35578), (418, 35812), (421, 35821), (438, 35893),

Gene: Airmid_31 Start: 25414, Stop: 23933, Start Num: 109
Candidate Starts for Airmid_31:
(90, 25441), (Start: 109 @25414 has 197 MA's), (Start: 119 @25378 has 3 MA's), (Start: 138 @25279 has 1 MA's), (143, 25243), (Start: 153 @25195 has 1 MA's), (161, 25153), (170, 25129), (181, 25102), (191, 25063), (197, 25039), (199, 25024), (236, 24895), (306, 24601), (322, 24556), (329, 24526), (339, 24502), (343, 24487), (361, 24427), (376, 24376), (377, 24367), (400, 24280), (417, 24214), (460, 24022), (493, 23944),

Gene: Ajay_38 Start: 29543, Stop: 31045, Start Num: 109
Candidate Starts for Ajay_38:
(Start: 60 @29462 has 24 MA's), (Start: 64 @29468 has 2 MA's), (Start: 69 @29474 has 9 MA's), (Start: 70 @29477 has 7 MA's), (Start: 77 @29492 has 2 MA's), (Start: 109 @29543 has 197 MA's), (Start: 151 @29762 has 1 MA's), (Start: 153 @29768 has 1 MA's), (157, 29789), (192, 29906), (Start: 195 @29918 has 1 MA's), (197, 29927), (198, 29936), (199, 29942), (224, 30032), (229, 30044), (238, 30077), (285, 30272), (300, 30332), (314, 30389), (324, 30416), (331, 30443), (332, 30446), (339, 30458), (360, 30527), (371, 30560), (373, 30566), (382, 30599), (402, 30680), (405, 30695), (429, 30800), (452, 30914), (487, 31013), (498, 31037),

Gene: Alatin_29 Start: 23703, Stop: 22195, Start Num: 95
Candidate Starts for Alatin_29:
(Start: 95 @23703 has 33 MA's), (Start: 109 @23682 has 197 MA's), (Start: 110 @23676 has 3 MA's), (Start: 138 @23547 has 1 MA's), (147, 23499), (165, 23412), (197, 23307), (226, 23196), (242, 23136), (244, 23124), (258, 23061), (270, 23031), (275, 22998), (281, 22977), (288, 22947), (293, 22932), (296, 22926), (303, 22878), (312, 22845), (329, 22788), (343, 22749), (345, 22743), (391,

22593), (431, 22422), (493, 22206),

Gene: Albee_33 Start: 26637, Stop: 25123, Start Num: 106
Candidate Starts for Albee_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Alberto7_34 Start: 26999, Stop: 25437, Start Num: 73
Candidate Starts for Alberto7_34:
(Start: 73 @26999 has 8 MA's), (Start: 109 @26933 has 197 MA's), (Start: 115 @26915 has 3 MA's), (128, 26858), (130, 26840), (136, 26810), (Start: 138 @26798 has 1 MA's), (161, 26672), (169, 26651), (181, 26621), (191, 26582), (199, 26543), (225, 26453), (241, 26393), (254, 26339), (288, 26201), (354, 25970), (376, 25880), (385, 25844), (393, 25817), (404, 25763), (406, 25754), (453, 25544), (460, 25526), (466, 25514), (471, 25505),

Gene: Alpacados_28 Start: 23572, Stop: 22076, Start Num: 95
Candidate Starts for Alpacados_28:
(Start: 95 @23572 has 33 MA's), (Start: 109 @23551 has 197 MA's), (Start: 110 @23545 has 3 MA's), (Start: 138 @23416 has 1 MA's), (147, 23368), (165, 23281), (197, 23176), (226, 23065), (242, 23005), (244, 22993), (258, 22930), (270, 22900), (275, 22867), (281, 22846), (288, 22816), (296, 22795), (302, 22750), (303, 22747), (304, 22741), (329, 22657), (343, 22618), (345, 22612), (376, 22516), (384, 22483), (391, 22462), (393, 22453), (431, 22291),

Gene: Alsfro_41 Start: 29931, Stop: 31442, Start Num: 109
Candidate Starts for Alsfro_41:
(Start: 109 @29931 has 197 MA's), (Start: 112 @29943 has 3 MA's), (Start: 114 @29946 has 7 MA's), (Start: 118 @29964 has 1 MA's), (Start: 132 @30039 has 1 MA's), (133, 30042), (Start: 138 @30066 has 1 MA's), (139, 30078), (Start: 151 @30150 has 1 MA's), (Start: 153 @30156 has 1 MA's), (156, 30168), (166, 30210), (176, 30240), (178, 30243), (Start: 195 @30306 has 1 MA's), (197, 30315), (198, 30324), (199, 30330), (224, 30420), (229, 30432), (238, 30465), (285, 30660), (300, 30720), (314, 30777), (331, 30831), (339, 30846), (371, 30945), (382, 30984), (383, 30987), (402, 31065), (405, 31080), (452, 31299),

Gene: Altman_39 Start: 30360, Stop: 31874, Start Num: 109
Candidate Starts for Altman_39:
(Start: 60 @30279 has 24 MA's), (Start: 64 @30285 has 2 MA's), (Start: 69 @30291 has 9 MA's), (Start: 70 @30294 has 7 MA's), (Start: 77 @30309 has 2 MA's), (Start: 109 @30360 has 197 MA's), (Start: 132 @30468 has 1 MA's), (Start: 151 @30579 has 1 MA's), (Start: 153 @30585 has 1 MA's), (157, 30606), (Start: 195 @30735 has 1 MA's), (197, 30744), (198, 30753), (229, 30861), (236, 30882), (238, 30894), (243, 30918), (253, 30960), (285, 31089), (300, 31149), (314, 31206), (324, 31233), (331, 31260), (332, 31263), (339, 31275), (360, 31344), (371, 31377), (373, 31383), (382, 31416), (402, 31497), (405, 31512), (429, 31617), (452, 31731),

Gene: Alvin_38 Start: 30002, Stop: 31504, Start Num: 109
Candidate Starts for Alvin_38:
(Start: 60 @29921 has 24 MA's), (Start: 64 @29927 has 2 MA's), (Start: 69 @29933 has 9 MA's), (Start: 70 @29936 has 7 MA's), (Start: 77 @29951 has 2 MA's), (Start: 109 @30002 has 197 MA's), (Start: 114 @30017 has 7 MA's), (Start: 151 @30221 has 1 MA's), (Start: 153 @30227 has 1 MA's), (157, 30248), (166, 30281), (Start: 195 @30377 has 1 MA's), (197, 30386), (198, 30395), (229, 30503), (236, 30524), (238, 30536), (243, 30560), (285, 30731), (300, 30791), (314, 30848), (331,

30902), (332, 30905), (339, 30917), (360, 30986), (373, 31025), (382, 31058), (402, 31139), (405, 31154), (429, 31259), (452, 31373), (487, 31472), (498, 31496),

Gene: Amyev_51 Start: 37772, Stop: 39232, Start Num: 102
Candidate Starts for Amyev_51:
(97, 37763), (Start: 102 @37772 has 1 MA's), (148, 37958), (154, 37991), (191, 38129), (194, 38141), (220, 38240), (234, 38291), (256, 38384), (344, 38717), (411, 38960), (485, 39218),

Gene: Anglerfish_39 Start: 29761, Stop: 31353, Start Num: 60
Candidate Starts for Anglerfish_39:
(Start: 60 @29761 has 24 MA's), (Start: 64 @29767 has 2 MA's), (Start: 69 @29773 has 9 MA's), (Start: 70 @29776 has 7 MA's), (Start: 77 @29791 has 2 MA's), (Start: 109 @29842 has 197 MA's), (Start: 114 @29857 has 7 MA's), (Start: 132 @29950 has 1 MA's), (Start: 151 @30061 has 1 MA's), (Start: 153 @30067 has 1 MA's), (Start: 195 @30217 has 1 MA's), (197, 30226), (198, 30235), (229, 30343), (236, 30364), (238, 30376), (243, 30400), (253, 30442), (285, 30571), (300, 30631), (314, 30688), (331, 30742), (332, 30745), (339, 30757), (382, 30895), (402, 30976), (405, 30991), (410, 31006), (452, 31210),

Gene: AngryOrchard_28 Start: 23567, Stop: 22059, Start Num: 95
Candidate Starts for AngryOrchard_28:
(Start: 95 @23567 has 33 MA's), (Start: 109 @23546 has 197 MA's), (Start: 110 @23540 has 3 MA's), (Start: 138 @23411 has 1 MA's), (147, 23363), (165, 23276), (197, 23171), (226, 23060), (242, 23000), (244, 22988), (270, 22895), (275, 22862), (281, 22841), (288, 22811), (293, 22796), (296, 22790), (303, 22742), (312, 22709), (329, 22652), (343, 22613), (345, 22607), (391, 22457), (424, 22316), (431, 22286), (459, 22160), (484, 22094),

Gene: Annyong_33 Start: 26638, Stop: 25124, Start Num: 106
Candidate Starts for Annyong_33:
(Start: 83 @26680 has 1 MA's), (Start: 100 @26647 has 39 MA's), (Start: 106 @26638 has 100 MA's), (139, 26476), (Start: 151 @26410 has 1 MA's), (156, 26392), (174, 26317), (180, 26293), (191, 26254), (192, 26251), (212, 26164), (241, 26050), (243, 26038), (287, 25855), (313, 25744), (329, 25693), (369, 25564), (372, 25555), (393, 25480), (395, 25474), (422, 25351), (431, 25312), (476, 25162), (481, 25147),

Gene: Anthony_33 Start: 25025, Stop: 23601, Start Num: 111
Candidate Starts for Anthony_33:
(1, 25649), (2, 25601), (3, 25574), (4, 25571), (5, 25547), (7, 25487), (8, 25475), (11, 25409), (62, 25121), (91, 25070), (Start: 109 @25034 has 197 MA's), (Start: 111 @25025 has 2 MA's), (Start: 138 @24899 has 1 MA's), (161, 24773), (170, 24749), (189, 24692), (222, 24569), (226, 24548), (245, 24470), (250, 24452), (257, 24422), (296, 24281), (303, 24236), (332, 24140), (343, 24113), (364, 24044), (388, 23978), (404, 23906), (421, 23846), (456, 23681), (479, 23645), (490, 23621),

Gene: AppleCloud_27 Start: 23605, Stop: 22106, Start Num: 95
Candidate Starts for AppleCloud_27:
(Start: 95 @23605 has 33 MA's), (Start: 109 @23584 has 197 MA's), (Start: 110 @23578 has 3 MA's), (128, 23509), (Start: 138 @23449 has 1 MA's), (165, 23311), (166, 23308), (172, 23281), (191, 23230), (216, 23140), (239, 23044), (243, 23029), (245, 23017), (256, 22978), (276, 22897), (280, 22885), (290, 22846), (296, 22828), (310, 22759), (319, 22732), (323, 22720), (329, 22696), (331, 22687), (343, 22657), (348, 22639), (357, 22618), (362, 22597), (375, 22564), (377, 22552), (404, 22444), (430, 22339), (442, 22279), (450, 22240), (451, 22237), (458, 22213), (460, 22207),

Gene: Aragog_30 Start: 25886, Stop: 24393, Start Num: 109
Candidate Starts for Aragog_30:

(Start: 109 @25886 has 197 MA's), (Start: 118 @25853 has 1 MA's), (Start: 119 @25850 has 3 MA's), (Start: 123 @25832 has 4 MA's), (Start: 138 @25751 has 1 MA's), (168, 25607), (178, 25580), (192, 25532), (236, 25367), (241, 25343), (242, 25340), (245, 25319), (296, 25130), (343, 24959), (377, 24824), (390, 24782), (393, 24770), (413, 24686), (417, 24671), (421, 24656), (460, 24479), (477, 24449), (488, 24416),

Gene: Arcanine_37 Start: 28843, Stop: 30426, Start Num: 60
Candidate Starts for Arcanine_37:
(Start: 60 @28843 has 24 MA's), (Start: 64 @28849 has 2 MA's), (Start: 69 @28855 has 9 MA's), (Start: 70 @28858 has 7 MA's), (Start: 77 @28873 has 2 MA's), (Start: 109 @28924 has 197 MA's), (Start: 114 @28939 has 7 MA's), (Start: 151 @29143 has 1 MA's), (Start: 153 @29149 has 1 MA's), (Start: 195 @29299 has 1 MA's), (197, 29308), (198, 29317), (229, 29425), (236, 29446), (238, 29458), (243, 29482), (253, 29524), (285, 29653), (300, 29713), (314, 29770), (324, 29797), (331, 29824), (332, 29827), (339, 29839), (360, 29908), (371, 29941), (373, 29947), (382, 29980), (402, 30061), (405, 30076), (429, 30181), (452, 30295), (487, 30394), (498, 30418),

Gene: Archetta_30 Start: 25923, Stop: 24442, Start Num: 109
Candidate Starts for Archetta_30:
(90, 25950), (Start: 109 @25923 has 197 MA's), (Start: 119 @25887 has 3 MA's), (Start: 138 @25788 has 1 MA's), (Start: 153 @25704 has 1 MA's), (161, 25662), (170, 25638), (181, 25611), (191, 25572), (197, 25548), (236, 25404), (306, 25110), (322, 25065), (329, 25035), (339, 25011), (343, 24996), (361, 24936), (376, 24885), (377, 24876), (393, 24822), (400, 24789), (417, 24723), (460, 24531), (493, 24453),

Gene: Arlo_36 Start: 29428, Stop: 30942, Start Num: 109
Candidate Starts for Arlo_36:
(Start: 60 @29347 has 24 MA's), (Start: 64 @29353 has 2 MA's), (Start: 69 @29359 has 9 MA's), (Start: 70 @29362 has 7 MA's), (Start: 77 @29377 has 2 MA's), (Start: 109 @29428 has 197 MA's), (Start: 151 @29647 has 1 MA's), (Start: 153 @29653 has 1 MA's), (157, 29674), (192, 29791), (Start: 195 @29803 has 1 MA's), (197, 29812), (198, 29821), (229, 29929), (236, 29950), (238, 29962), (243, 29986), (253, 30028), (285, 30157), (300, 30217), (314, 30274), (324, 30301), (331, 30328), (332, 30331), (339, 30343), (360, 30412), (371, 30445), (373, 30451), (382, 30484), (402, 30565), (405, 30580), (452, 30799),

Gene: Arturo_32 Start: 26750, Stop: 25254, Start Num: 109
Candidate Starts for Arturo_32:
(Start: 73 @26816 has 8 MA's), (Start: 105 @26759 has 1 MA's), (Start: 109 @26750 has 197 MA's), (Start: 115 @26732 has 3 MA's), (128, 26675), (130, 26657), (136, 26627), (Start: 138 @26615 has 1 MA's), (161, 26489), (169, 26468), (181, 26438), (191, 26399), (241, 26210), (248, 26174), (254, 26156), (288, 26018), (299, 25973), (354, 25787), (385, 25661), (393, 25634), (404, 25580), (406, 25571), (453, 25361), (460, 25343), (466, 25331), (471, 25322),

Gene: Asa16_48 Start: 35961, Stop: 37382, Start Num: 100
Candidate Starts for Asa16_48:
(92, 35943), (Start: 99 @35958 has 4 MA's), (Start: 100 @35961 has 39 MA's), (Start: 109 @35970 has 197 MA's), (133, 36084), (Start: 138 @36108 has 1 MA's), (Start: 153 @36192 has 1 MA's), (159, 36225), (164, 36240), (189, 36303), (192, 36315), (194, 36324), (220, 36423), (231, 36465), (243, 36516), (253, 36555), (282, 36633), (288, 36660), (301, 36714), (385, 37020), (388, 37029), (391, 37038), (394, 37050), (438, 37221), (463, 37308),

Gene: Ascela_51 Start: 36003, Stop: 37418, Start Num: 109
Candidate Starts for Ascela_51:

(Start: 109 @36003 has 197 MA's), (Start: 115 @36021 has 3 MA's), (Start: 138 @36141 has 1 MA's), (Start: 153 @36225 has 1 MA's), (165, 36276), (189, 36336), (192, 36348), (198, 36378), (220, 36456), (243, 36549), (253, 36588), (391, 37071), (394, 37083), (438, 37254),

Gene: Ashballer_39 Start: 30219, Stop: 31802, Start Num: 60
Candidate Starts for Ashballer_39:
(Start: 60 @30219 has 24 MA's), (Start: 64 @30225 has 2 MA's), (Start: 69 @30231 has 9 MA's), (Start: 70 @30234 has 7 MA's), (Start: 77 @30249 has 2 MA's), (Start: 109 @30300 has 197 MA's), (Start: 151 @30519 has 1 MA's), (Start: 153 @30525 has 1 MA's), (Start: 195 @30675 has 1 MA's), (197, 30684), (198, 30693), (229, 30801), (236, 30822), (238, 30834), (243, 30858), (253, 30900), (285, 31029), (300, 31089), (314, 31146), (324, 31173), (331, 31200), (339, 31215), (360, 31284), (373, 31323), (382, 31356), (402, 31437), (405, 31452), (452, 31671), (487, 31770), (498, 31794),

Gene: Asten_50 Start: 36160, Stop: 37782, Start Num: 41
Candidate Starts for Asten_50:
(Start: 31 @36103 has 7 MA's), (Start: 41 @36160 has 5 MA's), (Start: 42 @36169 has 21 MA's), (Start: 100 @36289 has 39 MA's), (Start: 115 @36316 has 3 MA's), (134, 36415), (Start: 138 @36433 has 1 MA's), (147, 36484), (164, 36565), (165, 36568), (189, 36640), (191, 36649), (192, 36652), (224, 36778), (232, 36805), (249, 36874), (252, 36886), (260, 36919), (283, 36988), (290, 37015), (301, 37063), (312, 37111), (326, 37150), (346, 37207), (377, 37330), (395, 37390), (403, 37435), (437, 37564), (445, 37615), (448, 37624), (461, 37663), (469, 37687), (474, 37702), (480, 37717), (485, 37732),

Gene: Astro_30 Start: 25018, Stop: 23516, Start Num: 106
Candidate Starts for Astro_30:
(65, 25087), (Start: 83 @25060 has 1 MA's), (87, 25054), (Start: 106 @25018 has 100 MA's), (Start: 138 @24868 has 1 MA's), (157, 24763), (174, 24697), (177, 24679), (191, 24637), (192, 24634), (212, 24547), (241, 24433), (243, 24421), (267, 24328), (276, 24280), (287, 24238), (301, 24178), (329, 24076), (390, 23869), (415, 23764), (422, 23728), (431, 23689), (450, 23605), (470, 23557),

Gene: Atkinbua_39 Start: 29777, Stop: 31345, Start Num: 70
Candidate Starts for Atkinbua_39:
(Start: 60 @29762 has 24 MA's), (Start: 64 @29768 has 2 MA's), (Start: 69 @29774 has 9 MA's), (Start: 70 @29777 has 7 MA's), (Start: 77 @29792 has 2 MA's), (Start: 109 @29843 has 197 MA's), (Start: 151 @30062 has 1 MA's), (Start: 153 @30068 has 1 MA's), (157, 30089), (Start: 195 @30218 has 1 MA's), (197, 30227), (198, 30236), (229, 30344), (236, 30365), (238, 30377), (243, 30401), (253, 30443), (285, 30572), (300, 30632), (314, 30689), (324, 30716), (331, 30743), (339, 30758), (373, 30866), (382, 30899), (402, 30980), (405, 30995), (452, 31214), (487, 31313), (498, 31337),

Gene: Attoomi_51 Start: 39130, Stop: 40542, Start Num: 132
Candidate Starts for Attoomi_51:
(80, 38968), (88, 38980), (Start: 132 @39130 has 1 MA's), (134, 39142), (136, 39148), (Start: 138 @39160 has 1 MA's), (147, 39208), (Start: 151 @39232 has 1 MA's), (159, 39271), (162, 39283), (166, 39292), (171, 39316), (179, 39325), (185, 39349), (208, 39451), (218, 39484), (228, 39523), (235, 39556), (239, 39586), (240, 39589), (256, 39661), (258, 39676), (278, 39736), (280, 39742), (284, 39760), (294, 39793), (301, 39826), (304, 39847), (317, 39889), (337, 39931), (342, 39946), (346, 39961), (356, 39997), (357, 40000), (366, 40045), (367, 40051), (375, 40078), (391, 40135), (407, 40216), (457, 40414), (467, 40447), (485, 40498), (494, 40519), (496, 40522), (499, 40534),

Gene: AvatarAhPeg_34 Start: 27306, Stop: 25744, Start Num: 73
Candidate Starts for AvatarAhPeg_34:
(Start: 73 @27306 has 8 MA's), (Start: 105 @27249 has 1 MA's), (Start: 109 @27240 has 197 MA's), (Start: 115 @27222 has 3 MA's), (128, 27165), (136, 27117), (Start: 138 @27105 has 1 MA's), (161,

26979), (169, 26958), (170, 26955), (181, 26928), (191, 26889), (225, 26760), (241, 26700), (288, 26508), (331, 26346), (385, 26151), (393, 26124), (404, 26070), (406, 26061), (453, 25851), (460, 25833), (466, 25821), (471, 25812), (479, 25794),

Gene: Avle17_33 Start: 26637, Stop: 25123, Start Num: 106
Candidate Starts for Avle17_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: BK1_34 Start: 28460, Stop: 30028, Start Num: 70
Candidate Starts for BK1_34:
(Start: 60 @28445 has 24 MA's), (Start: 64 @28451 has 2 MA's), (Start: 69 @28457 has 9 MA's), (Start: 70 @28460 has 7 MA's), (Start: 77 @28475 has 2 MA's), (Start: 109 @28526 has 197 MA's), (Start: 111 @28535 has 2 MA's), (Start: 151 @28745 has 1 MA's), (Start: 153 @28751 has 1 MA's), (157, 28772), (Start: 195 @28901 has 1 MA's), (197, 28910), (198, 28919), (229, 29027), (236, 29048), (238, 29060), (243, 29084), (253, 29126), (285, 29255), (300, 29315), (314, 29372), (324, 29399), (331, 29426), (332, 29429), (339, 29441), (360, 29510), (371, 29543), (373, 29549), (382, 29582), (402, 29663), (405, 29678), (429, 29783), (452, 29897), (487, 29996), (498, 30020),

Gene: BPBiebs31_38 Start: 29878, Stop: 31392, Start Num: 109
Candidate Starts for BPBiebs31_38:
(Start: 60 @29797 has 24 MA's), (Start: 64 @29803 has 2 MA's), (Start: 69 @29809 has 9 MA's), (Start: 70 @29812 has 7 MA's), (Start: 77 @29827 has 2 MA's), (Start: 109 @29878 has 197 MA's), (Start: 114 @29893 has 7 MA's), (Start: 151 @30097 has 1 MA's), (Start: 153 @30103 has 1 MA's), (156, 30115), (157, 30124), (Start: 195 @30253 has 1 MA's), (197, 30262), (198, 30271), (229, 30379), (236, 30400), (238, 30412), (243, 30436), (253, 30478), (285, 30607), (300, 30667), (314, 30724), (331, 30778), (339, 30793), (373, 30901), (382, 30934), (402, 31015), (405, 31030), (429, 31135), (452, 31249),

Gene: Baby16_33 Start: 26648, Stop: 25134, Start Num: 106
Candidate Starts for Baby16_33:
(Start: 83 @26690 has 1 MA's), (Start: 100 @26657 has 39 MA's), (Start: 106 @26648 has 100 MA's), (139, 26486), (Start: 151 @26420 has 1 MA's), (156, 26402), (174, 26327), (180, 26303), (191, 26264), (192, 26261), (212, 26174), (241, 26060), (243, 26048), (287, 25865), (313, 25754), (329, 25703), (369, 25574), (372, 25565), (393, 25490), (395, 25484), (422, 25361), (431, 25322), (476, 25172), (481, 25157),

Gene: BabyBack_33 Start: 26301, Stop: 27938, Start Num: 108
Candidate Starts for BabyBack_33:
(90, 26265), (Start: 108 @26301 has 2 MA's), (Start: 132 @26418 has 1 MA's), (134, 26427), (Start: 138 @26445 has 1 MA's), (Start: 151 @26529 has 1 MA's), (166, 26589), (185, 26649), (191, 26670), (197, 26694), (198, 26703), (224, 26799), (241, 26859), (245, 26883), (269, 26964), (276, 27003), (285, 27039), (327, 27204), (331, 27216), (342, 27240), (373, 27360), (382, 27393), (384, 27402), (450, 27699), (452, 27708), (490, 27810), (498, 27831), (501, 27855), (502, 27879), (504, 27906), (505, 27924),

Gene: Backyardigan_33 Start: 26665, Stop: 25142, Start Num: 100
Candidate Starts for Backyardigan_33:
(Start: 83 @26698 has 1 MA's), (Start: 100 @26665 has 39 MA's), (Start: 106 @26656 has 100 MA's), (139, 26494), (Start: 151 @26428 has 1 MA's), (156, 26410), (174, 26335), (191, 26272), (192,

26269), (212, 26182), (243, 26056), (287, 25873), (300, 25816), (313, 25762), (329, 25711), (369, 25582), (372, 25573), (393, 25498), (395, 25492), (421, 25378), (422, 25369), (431, 25330), (476, 25180), (481, 25165),

Gene: BaconJack_40 Start: 29834, Stop: 31405, Start Num: 69
Candidate Starts for BaconJack_40:
(Start: 60 @29822 has 24 MA's), (Start: 64 @29828 has 2 MA's), (Start: 69 @29834 has 9 MA's), (Start: 70 @29837 has 7 MA's), (Start: 77 @29852 has 2 MA's), (Start: 109 @29903 has 197 MA's), (Start: 151 @30122 has 1 MA's), (Start: 153 @30128 has 1 MA's), (157, 30149), (Start: 195 @30278 has 1 MA's), (197, 30287), (198, 30296), (229, 30404), (236, 30425), (238, 30437), (243, 30461), (253, 30503), (285, 30632), (300, 30692), (314, 30749), (324, 30776), (331, 30803), (332, 30806), (339, 30818), (360, 30887), (373, 30926), (382, 30959), (402, 31040), (405, 31055), (429, 31160), (452, 31274), (487, 31373), (498, 31397),

Gene: Badger_33 Start: 26645, Stop: 25131, Start Num: 106
Candidate Starts for Badger_33:
(Start: 83 @26687 has 1 MA's), (Start: 100 @26654 has 39 MA's), (Start: 106 @26645 has 100 MA's), (139, 26483), (Start: 151 @26417 has 1 MA's), (156, 26399), (174, 26324), (191, 26261), (192, 26258), (212, 26171), (243, 26045), (287, 25862), (300, 25805), (313, 25751), (329, 25700), (369, 25571), (372, 25562), (393, 25487), (395, 25481), (421, 25367), (422, 25358), (431, 25319), (476, 25169), (481, 25154),

Gene: BaileyBlu_48 Start: 34192, Stop: 35604, Start Num: 109
Candidate Starts for BaileyBlu_48:
(Start: 109 @34192 has 197 MA's), (149, 34384), (189, 34522), (192, 34534), (196, 34552), (198, 34564), (203, 34591), (205, 34597), (244, 34738), (245, 34747), (253, 34774), (282, 34855), (288, 34882), (296, 34903), (321, 35002), (339, 35071), (365, 35164), (369, 35182), (390, 35254), (411, 35335), (416, 35353), (438, 35440),

Gene: Barriga_37 Start: 29037, Stop: 30524, Start Num: 114
Candidate Starts for Barriga_37:
(Start: 79 @28977 has 3 MA's), (Start: 109 @29022 has 197 MA's), (Start: 114 @29037 has 7 MA's), (Start: 151 @29241 has 1 MA's), (Start: 153 @29247 has 1 MA's), (Start: 195 @29397 has 1 MA's), (197, 29406), (198, 29415), (229, 29523), (236, 29544), (238, 29556), (243, 29580), (253, 29622), (285, 29751), (300, 29811), (314, 29868), (324, 29895), (331, 29922), (332, 29925), (339, 29937), (360, 30006), (371, 30039), (373, 30045), (382, 30078), (402, 30159), (405, 30174), (429, 30279), (452, 30393), (487, 30492), (498, 30516),

Gene: BarryBee_53 Start: 36191, Stop: 37804, Start Num: 42
Candidate Starts for BarryBee_53:
(Start: 31 @36125 has 7 MA's), (Start: 41 @36182 has 5 MA's), (Start: 42 @36191 has 21 MA's), (Start: 115 @36338 has 3 MA's), (134, 36437), (Start: 138 @36455 has 1 MA's), (147, 36506), (164, 36587), (165, 36590), (189, 36662), (191, 36671), (192, 36674), (224, 36800), (232, 36827), (249, 36896), (260, 36941), (283, 37010), (290, 37037), (301, 37085), (312, 37133), (326, 37172), (337, 37199), (346, 37229), (377, 37352), (395, 37412), (403, 37457), (437, 37586), (445, 37637), (448, 37646), (461, 37685), (469, 37709), (474, 37724), (480, 37739), (485, 37754),

Gene: Bartimeaus_33 Start: 26639, Stop: 25125, Start Num: 106
Candidate Starts for Bartimeaus_33:
(Start: 83 @26681 has 1 MA's), (Start: 100 @26648 has 39 MA's), (Start: 106 @26639 has 100 MA's), (139, 26477), (Start: 151 @26411 has 1 MA's), (156, 26393), (174, 26318), (180, 26294), (191, 26255), (192, 26252), (212, 26165), (241, 26051), (243, 26039), (287, 25856), (313, 25745), (329, 25694), (369, 25565), (372, 25556), (393, 25481), (395, 25475), (422, 25352), (431, 25313), (476,

25163), (481, 25148),

Gene: Beatrix_37 Start: 30878, Stop: 32380, Start Num: 109
Candidate Starts for Beatrix_37:
(Start: 60 @30797 has 24 MA's), (Start: 64 @30803 has 2 MA's), (Start: 69 @30809 has 9 MA's), (Start: 70 @30812 has 7 MA's), (Start: 77 @30827 has 2 MA's), (Start: 109 @30878 has 197 MA's), (Start: 114 @30893 has 7 MA's), (Start: 132 @30986 has 1 MA's), (Start: 151 @31097 has 1 MA's), (Start: 153 @31103 has 1 MA's), (166, 31157), (Start: 195 @31253 has 1 MA's), (197, 31262), (198, 31271), (229, 31379), (236, 31400), (243, 31436), (285, 31607), (300, 31667), (314, 31724), (324, 31751), (331, 31778), (332, 31781), (339, 31793), (373, 31901), (382, 31934), (402, 32015), (405, 32030), (452, 32249), (487, 32348), (498, 32372),

Gene: BeesKnees_38 Start: 29463, Stop: 30965, Start Num: 109
Candidate Starts for BeesKnees_38:
(Start: 60 @29382 has 24 MA's), (Start: 64 @29388 has 2 MA's), (Start: 69 @29394 has 9 MA's), (Start: 70 @29397 has 7 MA's), (Start: 77 @29412 has 2 MA's), (Start: 109 @29463 has 197 MA's), (Start: 132 @29571 has 1 MA's), (Start: 151 @29682 has 1 MA's), (Start: 153 @29688 has 1 MA's), (157, 29709), (Start: 195 @29838 has 1 MA's), (197, 29847), (198, 29856), (229, 29964), (236, 29985), (238, 29997), (243, 30021), (253, 30063), (285, 30192), (300, 30252), (314, 30309), (324, 30336), (331, 30363), (339, 30378), (360, 30447), (373, 30486), (382, 30519), (405, 30615), (420, 30678), (429, 30720), (432, 30735), (452, 30834), (487, 30933), (498, 30957),

Gene: Belenaria_29 Start: 23636, Stop: 22140, Start Num: 95
Candidate Starts for Belenaria_29:
(Start: 95 @23636 has 33 MA's), (Start: 109 @23615 has 197 MA's), (Start: 110 @23609 has 3 MA's), (Start: 138 @23480 has 1 MA's), (147, 23432), (165, 23345), (197, 23240), (226, 23129), (235, 23099), (242, 23069), (244, 23057), (258, 22994), (270, 22964), (275, 22931), (281, 22910), (288, 22880), (293, 22865), (296, 22859), (303, 22811), (312, 22778), (329, 22721), (343, 22682), (345, 22676), (376, 22580), (384, 22547), (391, 22526), (393, 22517), (431, 22355),

Gene: Benedict_31 Start: 25417, Stop: 23936, Start Num: 109
Candidate Starts for Benedict_31:
(90, 25444), (Start: 109 @25417 has 197 MA's), (Start: 119 @25381 has 3 MA's), (Start: 138 @25282 has 1 MA's), (143, 25246), (Start: 153 @25198 has 1 MA's), (161, 25156), (170, 25132), (181, 25105), (191, 25066), (197, 25042), (199, 25027), (236, 24898), (306, 24604), (322, 24559), (329, 24529), (339, 24505), (343, 24490), (361, 24430), (376, 24379), (377, 24370), (393, 24316), (400, 24283), (417, 24217), (460, 24025), (493, 23947),

Gene: Berrie_51 Start: 36108, Stop: 37529, Start Num: 100
Candidate Starts for Berrie_51:
(92, 36090), (Start: 99 @36105 has 4 MA's), (Start: 100 @36108 has 39 MA's), (Start: 109 @36117 has 197 MA's), (133, 36231), (Start: 153 @36339 has 1 MA's), (164, 36387), (189, 36450), (192, 36462), (194, 36471), (220, 36570), (243, 36663), (253, 36702), (359, 37068), (391, 37185), (394, 37197), (419, 37290), (438, 37368), (447, 37416),

Gene: Bethlehem_37 Start: 30167, Stop: 31669, Start Num: 109
Candidate Starts for Bethlehem_37:
(Start: 60 @30086 has 24 MA's), (Start: 64 @30092 has 2 MA's), (Start: 69 @30098 has 9 MA's), (Start: 70 @30101 has 7 MA's), (Start: 77 @30116 has 2 MA's), (Start: 109 @30167 has 197 MA's), (Start: 114 @30182 has 7 MA's), (144, 30347), (Start: 151 @30386 has 1 MA's), (Start: 153 @30392 has 1 MA's), (157, 30413), (Start: 195 @30542 has 1 MA's), (197, 30551), (198, 30560), (199, 30566), (224, 30656), (229, 30668), (238, 30701), (243, 30725), (253, 30767), (285, 30896), (300, 30956), (314, 31013), (331, 31067), (339, 31082), (373, 31190), (382, 31223), (402, 31304), (405, 31319),

(429, 31424), (452, 31538), (487, 31637), (498, 31661),

Gene: Bexan_35 Start: 30373, Stop: 31875, Start Num: 109
Candidate Starts for Bexan_35:
(Start: 60 @30292 has 24 MA's), (Start: 64 @30298 has 2 MA's), (Start: 69 @30304 has 9 MA's), (Start: 70 @30307 has 7 MA's), (Start: 77 @30322 has 2 MA's), (Start: 109 @30373 has 197 MA's), (Start: 153 @30598 has 1 MA's), (192, 30736), (Start: 195 @30748 has 1 MA's), (197, 30757), (198, 30766), (229, 30874), (236, 30895), (238, 30907), (243, 30931), (253, 30973), (282, 31087), (285, 31102), (300, 31162), (314, 31219), (324, 31246), (331, 31273), (332, 31276), (339, 31288), (373, 31396), (382, 31429), (402, 31510), (405, 31525), (452, 31744), (487, 31843), (498, 31867),

Gene: Big3_37 Start: 30045, Stop: 31547, Start Num: 109
Candidate Starts for Big3_37:
(Start: 60 @29964 has 24 MA's), (Start: 64 @29970 has 2 MA's), (Start: 69 @29976 has 9 MA's), (Start: 70 @29979 has 7 MA's), (Start: 77 @29994 has 2 MA's), (Start: 109 @30045 has 197 MA's), (116, 30069), (Start: 153 @30270 has 1 MA's), (166, 30324), (Start: 195 @30420 has 1 MA's), (197, 30429), (198, 30438), (229, 30546), (236, 30567), (238, 30579), (243, 30603), (253, 30645), (285, 30774), (300, 30834), (314, 30891), (324, 30918), (331, 30945), (332, 30948), (339, 30960), (360, 31029), (373, 31068), (382, 31101), (402, 31182), (452, 31416), (487, 31515), (498, 31539),

Gene: BigMau_39 Start: 29582, Stop: 31084, Start Num: 109
Candidate Starts for BigMau_39:
(Start: 60 @29501 has 24 MA's), (Start: 64 @29507 has 2 MA's), (Start: 69 @29513 has 9 MA's), (Start: 70 @29516 has 7 MA's), (Start: 77 @29531 has 2 MA's), (Start: 109 @29582 has 197 MA's), (Start: 111 @29591 has 2 MA's), (Start: 114 @29597 has 7 MA's), (116, 29606), (Start: 118 @29615 has 1 MA's), (Start: 153 @29807 has 1 MA's), (156, 29819), (157, 29828), (166, 29861), (Start: 195 @29957 has 1 MA's), (197, 29966), (198, 29975), (229, 30083), (236, 30104), (238, 30116), (243, 30140), (253, 30182), (285, 30311), (300, 30371), (314, 30428), (324, 30455), (331, 30482), (332, 30485), (339, 30497), (360, 30566), (371, 30599), (373, 30605), (382, 30638), (402, 30719), (405, 30734), (429, 30839), (452, 30953), (487, 31052), (498, 31076),

Gene: Bigfoot_35 Start: 28813, Stop: 30315, Start Num: 109
Candidate Starts for Bigfoot_35:
(48, 28708), (Start: 53 @28720 has 1 MA's), (Start: 60 @28732 has 24 MA's), (Start: 64 @28738 has 2 MA's), (Start: 69 @28744 has 9 MA's), (Start: 70 @28747 has 7 MA's), (Start: 77 @28762 has 2 MA's), (Start: 109 @28813 has 197 MA's), (Start: 151 @29032 has 1 MA's), (Start: 153 @29038 has 1 MA's), (157, 29059), (Start: 195 @29188 has 1 MA's), (197, 29197), (198, 29206), (229, 29314), (236, 29335), (238, 29347), (243, 29371), (253, 29413), (285, 29542), (300, 29602), (314, 29659), (324, 29686), (331, 29713), (332, 29716), (339, 29728), (360, 29797), (373, 29836), (382, 29869), (402, 29950), (405, 29965), (429, 30070), (452, 30184), (487, 30283), (498, 30307),

Gene: BillKnuckles_38 Start: 30267, Stop: 31769, Start Num: 109
Candidate Starts for BillKnuckles_38:
(Start: 60 @30186 has 24 MA's), (Start: 64 @30192 has 2 MA's), (Start: 69 @30198 has 9 MA's), (Start: 70 @30201 has 7 MA's), (Start: 77 @30216 has 2 MA's), (Start: 109 @30267 has 197 MA's), (Start: 151 @30486 has 1 MA's), (Start: 153 @30492 has 1 MA's), (157, 30513), (Start: 195 @30642 has 1 MA's), (197, 30651), (198, 30660), (229, 30768), (236, 30789), (238, 30801), (243, 30825), (253, 30867), (285, 30996), (300, 31056), (314, 31113), (324, 31140), (331, 31167), (332, 31170), (339, 31182), (373, 31290), (382, 31323), (402, 31404), (405, 31419), (429, 31524), (452, 31638), (487, 31737), (498, 31761),

Gene: Bircsak_37 Start: 29814, Stop: 31382, Start Num: 69
Candidate Starts for Bircsak_37:

(Start: 60 @29802 has 24 MA's), (Start: 64 @29808 has 2 MA's), (Start: 69 @29814 has 9 MA's), (Start: 70 @29817 has 7 MA's), (Start: 77 @29832 has 2 MA's), (Start: 109 @29883 has 197 MA's), (Start: 114 @29898 has 7 MA's), (116, 29907), (Start: 151 @30102 has 1 MA's), (Start: 153 @30108 has 1 MA's), (157, 30129), (Start: 195 @30258 has 1 MA's), (197, 30267), (198, 30276), (229, 30384), (236, 30405), (238, 30417), (243, 30441), (285, 30612), (300, 30672), (314, 30729), (324, 30756), (331, 30783), (332, 30786), (339, 30798), (371, 30897), (382, 30936), (383, 30939), (402, 31017), (405, 31032), (452, 31251), (487, 31350), (498, 31374),

Gene: Blackmoor_33 Start: 26639, Stop: 25125, Start Num: 106
Candidate Starts for Blackmoor_33:
(Start: 83 @26681 has 1 MA's), (Start: 100 @26648 has 39 MA's), (Start: 106 @26639 has 100 MA's), (139, 26477), (Start: 151 @26411 has 1 MA's), (156, 26393), (174, 26318), (180, 26294), (191, 26255), (192, 26252), (212, 26165), (241, 26051), (243, 26039), (287, 25856), (313, 25745), (329, 25694), (369, 25565), (372, 25556), (393, 25481), (395, 25475), (422, 25352), (431, 25313), (476, 25163), (481, 25148),

Gene: Blue_37 Start: 29798, Stop: 31393, Start Num: 60
Candidate Starts for Blue_37:
(Start: 60 @29798 has 24 MA's), (Start: 64 @29804 has 2 MA's), (Start: 69 @29810 has 9 MA's), (Start: 70 @29813 has 7 MA's), (Start: 77 @29828 has 2 MA's), (Start: 109 @29879 has 197 MA's), (Start: 114 @29894 has 7 MA's), (116, 29903), (Start: 151 @30098 has 1 MA's), (Start: 153 @30104 has 1 MA's), (Start: 195 @30254 has 1 MA's), (197, 30263), (198, 30272), (229, 30380), (236, 30401), (238, 30413), (243, 30437), (253, 30479), (285, 30608), (300, 30668), (314, 30725), (324, 30752), (331, 30779), (332, 30782), (339, 30794), (373, 30902), (382, 30935), (402, 31016), (405, 31031), (452, 31250),

Gene: Bluefalcon_29 Start: 25903, Stop: 24443, Start Num: 118
Candidate Starts for Bluefalcon_29:
(Start: 109 @25936 has 197 MA's), (Start: 118 @25903 has 1 MA's), (Start: 119 @25900 has 3 MA's), (Start: 123 @25882 has 4 MA's), (Start: 138 @25801 has 1 MA's), (168, 25657), (178, 25630), (192, 25582), (236, 25417), (241, 25393), (242, 25390), (245, 25369), (296, 25180), (331, 25039), (343, 25009), (390, 24832), (393, 24820), (413, 24736), (417, 24721), (421, 24706), (460, 24529), (477, 24499), (488, 24466),

Gene: Bob3_36 Start: 28857, Stop: 30434, Start Num: 64
Candidate Starts for Bob3_36:
(Start: 60 @28851 has 24 MA's), (Start: 64 @28857 has 2 MA's), (Start: 69 @28863 has 9 MA's), (Start: 70 @28866 has 7 MA's), (Start: 77 @28881 has 2 MA's), (Start: 109 @28932 has 197 MA's), (Start: 153 @29157 has 1 MA's), (156, 29169), (157, 29178), (166, 29211), (192, 29295), (Start: 195 @29307 has 1 MA's), (197, 29316), (198, 29325), (224, 29421), (229, 29433), (238, 29466), (285, 29661), (300, 29721), (314, 29778), (331, 29832), (339, 29847), (371, 29949), (373, 29955), (382, 29988), (383, 29991), (399, 30054), (405, 30084), (429, 30189), (452, 30303), (487, 30402), (498, 30426),

Gene: BobbyDazzler_29 Start: 23682, Stop: 22186, Start Num: 95
Candidate Starts for BobbyDazzler_29:
(Start: 95 @23682 has 33 MA's), (Start: 109 @23661 has 197 MA's), (Start: 110 @23655 has 3 MA's), (Start: 138 @23526 has 1 MA's), (147, 23478), (165, 23391), (197, 23286), (226, 23175), (242, 23115), (244, 23103), (258, 23040), (270, 23010), (275, 22977), (281, 22956), (288, 22926), (296, 22905), (302, 22860), (303, 22857), (304, 22851), (329, 22767), (343, 22728), (345, 22722), (384, 22593), (391, 22572), (393, 22563), (431, 22401),

Gene: Bombshell_33 Start: 26646, Stop: 25123, Start Num: 100

Candidate Starts for Bombshell_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Bonamassa_30 Start: 25777, Stop: 24284, Start Num: 109
Candidate Starts for Bonamassa_30:
(Start: 109 @25777 has 197 MA's), (Start: 118 @25744 has 1 MA's), (Start: 119 @25741 has 3 MA's), (Start: 123 @25723 has 4 MA's), (Start: 138 @25642 has 1 MA's), (168, 25498), (178, 25471), (192, 25423), (236, 25258), (241, 25234), (242, 25231), (245, 25210), (296, 25021), (331, 24880), (343, 24850), (390, 24673), (393, 24661), (413, 24577), (417, 24562), (421, 24547), (460, 24370), (477, 24340), (488, 24307),

Gene: Bonanza_29 Start: 23610, Stop: 22114, Start Num: 95
Candidate Starts for Bonanza_29:
(Start: 95 @23610 has 33 MA's), (Start: 109 @23589 has 197 MA's), (Start: 110 @23583 has 3 MA's), (Start: 138 @23454 has 1 MA's), (147, 23406), (165, 23319), (197, 23214), (226, 23103), (242, 23043), (244, 23031), (270, 22938), (275, 22905), (281, 22884), (288, 22854), (293, 22839), (296, 22833), (303, 22785), (329, 22695), (343, 22656), (345, 22650), (376, 22554), (384, 22521), (391, 22500), (393, 22491), (431, 22329),

Gene: Bones_37 Start: 29287, Stop: 30786, Start Num: 109
Candidate Starts for Bones_37:
(Start: 79 @29242 has 3 MA's), (Start: 109 @29287 has 197 MA's), (Start: 114 @29302 has 7 MA's), (116, 29311), (139, 29434), (Start: 151 @29506 has 1 MA's), (Start: 153 @29512 has 1 MA's), (166, 29566), (Start: 195 @29662 has 1 MA's), (197, 29671), (198, 29680), (229, 29788), (236, 29809), (238, 29821), (243, 29845), (253, 29887), (285, 30016), (300, 30076), (314, 30133), (324, 30160), (331, 30187), (332, 30190), (339, 30202), (371, 30301), (382, 30340), (402, 30421), (405, 30436), (429, 30541), (452, 30655), (456, 30667), (487, 30754), (498, 30778),

Gene: Bradshaw_29 Start: 23636, Stop: 22140, Start Num: 95
Candidate Starts for Bradshaw_29:
(Start: 95 @23636 has 33 MA's), (Start: 109 @23615 has 197 MA's), (Start: 110 @23609 has 3 MA's), (Start: 138 @23480 has 1 MA's), (147, 23432), (165, 23345), (197, 23240), (226, 23129), (242, 23069), (244, 23057), (258, 22994), (270, 22964), (275, 22931), (281, 22910), (288, 22880), (293, 22865), (296, 22859), (303, 22811), (312, 22778), (329, 22721), (343, 22682), (345, 22676), (376, 22580), (384, 22547), (391, 22526), (393, 22517), (431, 22355),

Gene: Brataylor_53 Start: 35602, Stop: 37179, Start Num: 42
Candidate Starts for Brataylor_53:
(Start: 31 @35536 has 7 MA's), (Start: 42 @35602 has 21 MA's), (Start: 115 @35722 has 3 MA's), (Start: 132 @35812 has 1 MA's), (Start: 138 @35839 has 1 MA's), (147, 35890), (164, 35971), (165, 35974), (189, 36046), (191, 36055), (192, 36058), (232, 36211), (246, 36268), (247, 36271), (249, 36280), (255, 36304), (312, 36508), (337, 36574), (342, 36589), (346, 36604), (371, 36703), (377, 36727), (380, 36736), (387, 36760), (403, 36832), (448, 37021), (461, 37060), (469, 37084), (474, 37099), (480, 37114),

Gene: Briton15_39 Start: 29603, Stop: 31180, Start Num: 64
Candidate Starts for Briton15_39:
(Start: 60 @29597 has 24 MA's), (Start: 64 @29603 has 2 MA's), (Start: 69 @29609 has 9 MA's), (Start: 70 @29612 has 7 MA's), (Start: 77 @29627 has 2 MA's), (Start: 109 @29678 has 197 MA's),

(134, 29795), (Start: 151 @29897 has 1 MA's), (Start: 153 @29903 has 1 MA's), (Start: 195 @30053 has 1 MA's), (197, 30062), (198, 30071), (229, 30179), (236, 30200), (238, 30212), (243, 30236), (253, 30278), (285, 30407), (300, 30467), (314, 30524), (324, 30551), (331, 30578), (332, 30581), (339, 30593), (373, 30701), (382, 30734), (402, 30815), (405, 30830), (452, 31049), (487, 31148), (498, 31172),

Gene: Broseidon_33 Start: 26639, Stop: 25125, Start Num: 106
Candidate Starts for Broseidon_33:
(Start: 83 @26681 has 1 MA's), (Start: 100 @26648 has 39 MA's), (Start: 106 @26639 has 100 MA's), (139, 26477), (Start: 151 @26411 has 1 MA's), (156, 26393), (174, 26318), (180, 26294), (191, 26255), (192, 26252), (212, 26165), (241, 26051), (243, 26039), (287, 25856), (313, 25745), (329, 25694), (369, 25565), (372, 25556), (393, 25481), (395, 25475), (422, 25352), (431, 25313), (476, 25163), (481, 25148),

Gene: Bruiser_32 Start: 26637, Stop: 25123, Start Num: 106
Candidate Starts for Bruiser_32:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Bruns_36 Start: 29373, Stop: 30860, Start Num: 114
Candidate Starts for Bruns_36:
(Start: 60 @29277 has 24 MA's), (Start: 64 @29283 has 2 MA's), (Start: 69 @29289 has 9 MA's), (Start: 70 @29292 has 7 MA's), (Start: 77 @29307 has 2 MA's), (Start: 109 @29358 has 197 MA's), (Start: 114 @29373 has 7 MA's), (Start: 151 @29577 has 1 MA's), (Start: 153 @29583 has 1 MA's), (156, 29595), (157, 29604), (192, 29721), (Start: 195 @29733 has 1 MA's), (197, 29742), (198, 29751), (229, 29859), (236, 29880), (238, 29892), (243, 29916), (285, 30087), (300, 30147), (314, 30204), (324, 30231), (331, 30258), (339, 30273), (360, 30342), (373, 30381), (382, 30414), (383, 30417), (402, 30495), (405, 30510), (429, 30615), (452, 30729), (487, 30828), (498, 30852),

Gene: Bryce_29 Start: 23611, Stop: 22115, Start Num: 95
Candidate Starts for Bryce_29:
(Start: 95 @23611 has 33 MA's), (Start: 109 @23590 has 197 MA's), (Start: 110 @23584 has 3 MA's), (Start: 138 @23455 has 1 MA's), (147, 23407), (165, 23320), (197, 23215), (226, 23104), (242, 23044), (244, 23032), (258, 22969), (270, 22939), (275, 22906), (281, 22885), (288, 22855), (296, 22834), (302, 22789), (303, 22786), (304, 22780), (329, 22696), (343, 22657), (345, 22651), (384, 22522), (391, 22501), (393, 22492), (431, 22330),

Gene: BubbleTrouble_33 Start: 26637, Stop: 25123, Start Num: 106
Candidate Starts for BubbleTrouble_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Bumblebee11_33 Start: 26647, Stop: 25133, Start Num: 106
Candidate Starts for Bumblebee11_33:
(Start: 83 @26689 has 1 MA's), (Start: 100 @26656 has 39 MA's), (Start: 106 @26647 has 100 MA's), (139, 26485), (Start: 151 @26419 has 1 MA's), (156, 26401), (174, 26326), (191, 26263), (192, 26260), (212, 26173), (243, 26047), (287, 25864), (300, 25807), (313, 25753), (329, 25702), (369,

25573), (372, 25564), (393, 25489), (395, 25483), (421, 25369), (422, 25360), (431, 25321), (476, 25171), (481, 25156),

Gene: Burger_32 Start: 26646, Stop: 25123, Start Num: 100
Candidate Starts for Burger_32:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Burton_38 Start: 29535, Stop: 31049, Start Num: 109
Candidate Starts for Burton_38:
(Start: 60 @29454 has 24 MA's), (Start: 64 @29460 has 2 MA's), (Start: 69 @29466 has 9 MA's), (Start: 70 @29469 has 7 MA's), (Start: 77 @29484 has 2 MA's), (Start: 109 @29535 has 197 MA's), (Start: 111 @29544 has 2 MA's), (Start: 114 @29550 has 7 MA's), (116, 29559), (Start: 118 @29568 has 1 MA's), (134, 29652), (Start: 138 @29670 has 1 MA's), (Start: 151 @29754 has 1 MA's), (Start: 153 @29760 has 1 MA's), (156, 29772), (157, 29781), (192, 29898), (Start: 195 @29910 has 1 MA's), (197, 29919), (198, 29928), (224, 30024), (229, 30036), (238, 30069), (285, 30264), (300, 30324), (314, 30381), (331, 30435), (332, 30438), (339, 30450), (371, 30552), (373, 30558), (382, 30591), (402, 30672), (405, 30687), (429, 30792), (452, 30906),

Gene: BuzzBuzz_35 Start: 27309, Stop: 25741, Start Num: 106
Candidate Starts for BuzzBuzz_35:
(37, 27459), (40, 27444), (87, 27345), (Start: 106 @27309 has 100 MA's), (157, 27054), (163, 27030), (177, 26970), (191, 26922), (192, 26919), (212, 26832), (217, 26820), (221, 26799), (226, 26775), (243, 26706), (261, 26637), (265, 26628), (287, 26523), (296, 26478), (329, 26346), (356, 26262), (371, 26205), (422, 25998), (452, 25857),

Gene: Bxb1_35 Start: 29491, Stop: 30993, Start Num: 109
Candidate Starts for Bxb1_35:
(Start: 60 @29410 has 24 MA's), (Start: 64 @29416 has 2 MA's), (Start: 69 @29422 has 9 MA's), (Start: 70 @29425 has 7 MA's), (Start: 77 @29440 has 2 MA's), (Start: 109 @29491 has 197 MA's), (Start: 151 @29710 has 1 MA's), (Start: 153 @29716 has 1 MA's), (157, 29737), (Start: 195 @29866 has 1 MA's), (197, 29875), (198, 29884), (229, 29992), (236, 30013), (238, 30025), (243, 30049), (253, 30091), (282, 30205), (285, 30220), (300, 30280), (314, 30337), (324, 30364), (331, 30391), (332, 30394), (339, 30406), (360, 30475), (371, 30508), (373, 30514), (382, 30547), (402, 30628), (405, 30643), (452, 30862), (487, 30961), (498, 30985),

Gene: Bxz2_34 Start: 27316, Stop: 25748, Start Num: 106
Candidate Starts for Bxz2_34:
(37, 27466), (40, 27451), (87, 27352), (Start: 106 @27316 has 100 MA's), (157, 27061), (163, 27037), (177, 26977), (191, 26929), (192, 26926), (212, 26839), (217, 26827), (221, 26806), (226, 26782), (243, 26713), (261, 26644), (265, 26635), (287, 26530), (296, 26485), (329, 26353), (356, 26269), (371, 26212), (422, 26005), (452, 25864),

Gene: CactusRose_35 Start: 28926, Stop: 30428, Start Num: 109
Candidate Starts for CactusRose_35:
(19, 28689), (21, 28692), (24, 28707), (36, 28770), (Start: 79 @28881 has 3 MA's), (Start: 109 @28926 has 197 MA's), (Start: 114 @28941 has 7 MA's), (Start: 132 @29034 has 1 MA's), (Start: 151 @29145 has 1 MA's), (Start: 153 @29151 has 1 MA's), (157, 29172), (192, 29289), (Start: 195 @29301 has 1 MA's), (197, 29310), (198, 29319), (224, 29415), (229, 29427), (238, 29460), (245, 29496), (285, 29655), (300, 29715), (314, 29772), (331, 29826), (332, 29829), (339, 29841), (373,

29949), (382, 29982), (402, 30063), (405, 30078), (429, 30183), (452, 30297), (487, 30396), (498, 30420),

Gene: Caelakin_33 Start: 26646, Stop: 25123, Start Num: 100
Candidate Starts for Caelakin_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: CallinAllBarbz_48 Start: 34767, Stop: 36179, Start Num: 109
Candidate Starts for CallinAllBarbz_48:
(Start: 109 @34767 has 197 MA's), (189, 35097), (192, 35109), (196, 35127), (198, 35139), (203, 35166), (205, 35172), (244, 35313), (253, 35349), (282, 35430), (296, 35478), (321, 35577), (339, 35646), (369, 35757), (385, 35814), (390, 35829), (411, 35910), (416, 35928), (438, 36015), (485, 36165),

Gene: Camperdownii_32 Start: 26250, Stop: 24772, Start Num: 115
Candidate Starts for Camperdownii_32:
(Start: 73 @26334 has 8 MA's), (Start: 109 @26268 has 197 MA's), (Start: 115 @26250 has 3 MA's), (128, 26193), (130, 26175), (136, 26145), (Start: 138 @26133 has 1 MA's), (161, 26007), (169, 25986), (181, 25956), (191, 25917), (199, 25878), (225, 25788), (241, 25728), (254, 25674), (288, 25536), (333, 25368), (354, 25305), (376, 25215), (385, 25179), (393, 25152), (404, 25098), (406, 25089), (453, 24879), (460, 24861), (466, 24849), (471, 24840),

Gene: Cassia_48 Start: 35110, Stop: 36528, Start Num: 100
Candidate Starts for Cassia_48:
(92, 35092), (Start: 99 @35107 has 4 MA's), (Start: 100 @35110 has 39 MA's), (Start: 109 @35119 has 197 MA's), (Start: 138 @35257 has 1 MA's), (Start: 153 @35341 has 1 MA's), (189, 35452), (192, 35464), (194, 35473), (220, 35572), (231, 35614), (243, 35665), (253, 35704), (369, 36109), (385, 36166), (391, 36184), (394, 36196), (439, 36370),

Gene: Caviar_34 Start: 27229, Stop: 25721, Start Num: 109
Candidate Starts for Caviar_34:
(Start: 101 @27244 has 3 MA's), (Start: 109 @27229 has 197 MA's), (Start: 110 @27223 has 3 MA's), (Start: 111 @27220 has 2 MA's), (146, 27052), (147, 27046), (176, 26929), (194, 26869), (224, 26752), (236, 26713), (242, 26686), (244, 26674), (271, 26539), (309, 26386), (338, 26296), (350, 26257), (377, 26167), (390, 26125), (393, 26113), (403, 26068), (408, 26047), (456, 25834), (463, 25813),

Gene: Celeste_51 Start: 35002, Stop: 36645, Start Num: 31
Candidate Starts for Celeste_51:
(Start: 31 @35002 has 7 MA's), (Start: 42 @35068 has 21 MA's), (Start: 115 @35188 has 3 MA's), (134, 35287), (Start: 138 @35305 has 1 MA's), (164, 35437), (165, 35440), (189, 35512), (191, 35521), (192, 35524), (232, 35677), (246, 35734), (247, 35737), (249, 35746), (255, 35770), (279, 35839), (312, 35974), (337, 36040), (346, 36070), (371, 36169), (377, 36193), (380, 36202), (387, 36226), (403, 36298), (448, 36487), (458, 36517), (461, 36526), (469, 36550), (474, 36565), (480, 36580),

Gene: Cen1621_56 Start: 37861, Stop: 39441, Start Num: 82
Candidate Starts for Cen1621_56:

(Start: 82 @37861 has 2 MA's), (136, 38014), (148, 38071), (167, 38158), (191, 38272), (201, 38320), (202, 38323), (209, 38353), (253, 38518), (280, 38638), (283, 38650), (342, 38890), (364, 38965), (417, 39169), (442, 39283), (466, 39349), (469, 39358),

Gene: CentreCat_33 Start: 26640, Stop: 25126, Start Num: 106
Candidate Starts for CentreCat_33:
(Start: 83 @26682 has 1 MA's), (Start: 100 @26649 has 39 MA's), (Start: 106 @26640 has 100 MA's), (139, 26478), (Start: 151 @26412 has 1 MA's), (156, 26394), (174, 26319), (180, 26295), (191, 26256), (192, 26253), (212, 26166), (241, 26052), (243, 26040), (287, 25857), (313, 25746), (329, 25695), (369, 25566), (372, 25557), (393, 25482), (395, 25476), (422, 25353), (431, 25314), (476, 25164), (481, 25149),

Gene: Chadwick_32 Start: 25311, Stop: 23830, Start Num: 109
Candidate Starts for Chadwick_32:
(90, 25338), (Start: 109 @25311 has 197 MA's), (Start: 119 @25275 has 3 MA's), (Start: 138 @25176 has 1 MA's), (Start: 153 @25092 has 1 MA's), (161, 25050), (170, 25026), (181, 24999), (191, 24960), (197, 24936), (236, 24792), (306, 24498), (322, 24453), (329, 24423), (339, 24399), (343, 24384), (361, 24324), (376, 24273), (377, 24264), (393, 24210), (400, 24177), (417, 24111), (421, 24096), (431, 24048), (460, 23919), (493, 23841),

Gene: Chanagan_36 Start: 28977, Stop: 30479, Start Num: 109
Candidate Starts for Chanagan_36:
(Start: 53 @28887 has 1 MA's), (Start: 79 @28932 has 3 MA's), (Start: 109 @28977 has 197 MA's), (Start: 114 @28992 has 7 MA's), (139, 29124), (Start: 151 @29196 has 1 MA's), (Start: 153 @29202 has 1 MA's), (Start: 195 @29352 has 1 MA's), (197, 29361), (198, 29370), (229, 29478), (236, 29499), (238, 29511), (243, 29535), (253, 29577), (285, 29706), (300, 29766), (314, 29823), (324, 29850), (331, 29877), (339, 29892), (360, 29961), (371, 29994), (373, 30000), (382, 30033), (402, 30114), (405, 30129), (429, 30234), (452, 30348), (487, 30447), (498, 30471),

Gene: Chaph_33 Start: 26648, Stop: 25134, Start Num: 106
Candidate Starts for Chaph_33:
(Start: 83 @26690 has 1 MA's), (Start: 100 @26657 has 39 MA's), (Start: 106 @26648 has 100 MA's), (139, 26486), (Start: 151 @26420 has 1 MA's), (156, 26402), (174, 26327), (180, 26303), (191, 26264), (192, 26261), (212, 26174), (241, 26060), (243, 26048), (287, 25865), (313, 25754), (329, 25703), (369, 25574), (372, 25565), (393, 25490), (395, 25484), (422, 25361), (431, 25322), (476, 25172), (481, 25157),

Gene: Chargerpower_35 Start: 26253, Stop: 24691, Start Num: 109
Candidate Starts for Chargerpower_35:
(Start: 109 @26253 has 197 MA's), (Start: 138 @26118 has 1 MA's), (194, 25890), (235, 25737), (236, 25734), (241, 25710), (245, 25686), (256, 25647), (260, 25629), (288, 25518), (296, 25497), (329, 25365), (330, 25362), (331, 25356), (334, 25341), (339, 25323), (410, 25056), (417, 25029), (427, 24984), (428, 24978), (431, 24966), (442, 24909), (451, 24867), (453, 24855), (458, 24843), (460, 24837), (482, 24786),

Gene: Charm_33 Start: 26356, Stop: 24809, Start Num: 107
Candidate Starts for Charm_33:
(59, 26449), (84, 26401), (98, 26380), (Start: 100 @26371 has 39 MA's), (Start: 107 @26356 has 2 MA's), (116, 26326), (157, 26107), (175, 26035), (192, 25969), (194, 25960), (198, 25939), (203, 25909), (224, 25831), (225, 25828), (251, 25723), (259, 25690), (276, 25615), (287, 25573), (296, 25555), (299, 25531), (331, 25414), (341, 25384), (369, 25303), (390, 25231), (393, 25219), (419, 25105), (422, 25090), (437, 25027), (439, 25021), (442, 24994), (450, 24958), (451, 24955), (457, 24937), (475, 24886),

Gene: Chucky_50 Start: 36208, Stop: 37821, Start Num: 42
Candidate Starts for Chucky_50:
(Start: 31 @36142 has 7 MA's), (Start: 41 @36199 has 5 MA's), (Start: 42 @36208 has 21 MA's), (Start: 115 @36355 has 3 MA's), (134, 36454), (Start: 138 @36472 has 1 MA's), (147, 36523), (164, 36604), (165, 36607), (189, 36679), (191, 36688), (192, 36691), (224, 36817), (232, 36844), (249, 36913), (260, 36958), (283, 37027), (290, 37054), (301, 37102), (312, 37150), (326, 37189), (337, 37216), (346, 37246), (377, 37369), (395, 37429), (403, 37474), (437, 37603), (445, 37654), (448, 37663), (461, 37702), (469, 37726), (474, 37741), (480, 37756), (485, 37771),

Gene: Chupacabra_33 Start: 26669, Stop: 25161, Start Num: 109
Candidate Starts for Chupacabra_33:
(Start: 109 @26669 has 197 MA's), (Start: 115 @26651 has 3 MA's), (116, 26645), (133, 26558), (Start: 138 @26534 has 1 MA's), (176, 26369), (224, 26192), (236, 26153), (238, 26141), (241, 26129), (242, 26126), (244, 26114), (299, 25868), (303, 25847), (343, 25718), (350, 25697), (378, 25604), (385, 25580), (390, 25565), (403, 25508), (408, 25487),

Gene: Ciao_37 Start: 29363, Stop: 30862, Start Num: 114
Candidate Starts for Ciao_37:
(Start: 60 @29267 has 24 MA's), (Start: 64 @29273 has 2 MA's), (Start: 69 @29279 has 9 MA's), (Start: 70 @29282 has 7 MA's), (Start: 77 @29297 has 2 MA's), (Start: 109 @29348 has 197 MA's), (Start: 114 @29363 has 7 MA's), (Start: 151 @29567 has 1 MA's), (Start: 153 @29573 has 1 MA's), (157, 29594), (192, 29711), (Start: 195 @29723 has 1 MA's), (197, 29732), (198, 29741), (229, 29849), (236, 29870), (238, 29882), (243, 29906), (253, 29948), (285, 30077), (300, 30137), (314, 30194), (324, 30221), (331, 30248), (332, 30251), (339, 30263), (360, 30332), (371, 30365), (373, 30371), (382, 30404), (402, 30485), (405, 30500), (429, 30605), (452, 30719),

Gene: Cici_33 Start: 26641, Stop: 25127, Start Num: 106
Candidate Starts for Cici_33:
(Start: 83 @26683 has 1 MA's), (Start: 100 @26650 has 39 MA's), (Start: 106 @26641 has 100 MA's), (139, 26479), (Start: 151 @26413 has 1 MA's), (156, 26395), (174, 26320), (191, 26257), (192, 26254), (212, 26167), (243, 26041), (287, 25858), (300, 25801), (313, 25747), (329, 25696), (369, 25567), (372, 25558), (393, 25483), (395, 25477), (421, 25363), (422, 25354), (431, 25315), (476, 25165), (481, 25150),

Gene: Cindaradix_32 Start: 26384, Stop: 24879, Start Num: 105
Candidate Starts for Cindaradix_32:
(22, 26615), (26, 26597), (28, 26588), (Start: 73 @26441 has 8 MA's), (Start: 105 @26384 has 1 MA's), (Start: 109 @26375 has 197 MA's), (Start: 115 @26357 has 3 MA's), (128, 26300), (130, 26282), (136, 26252), (Start: 138 @26240 has 1 MA's), (161, 26114), (169, 26093), (181, 26063), (191, 26024), (225, 25895), (241, 25835), (254, 25781), (288, 25643), (302, 25580), (354, 25412), (356, 25409), (385, 25286), (393, 25259), (404, 25205), (406, 25196), (453, 24986), (460, 24968), (466, 24956), (471, 24947),

Gene: Cintron_33 Start: 26703, Stop: 25171, Start Num: 106
Candidate Starts for Cintron_33:
(Start: 83 @26745 has 1 MA's), (Start: 100 @26712 has 39 MA's), (Start: 106 @26703 has 100 MA's), (139, 26541), (Start: 151 @26475 has 1 MA's), (156, 26457), (174, 26382), (180, 26358), (191, 26319), (192, 26316), (212, 26229), (243, 26103), (245, 26091), (287, 25920), (313, 25809), (329, 25758), (357, 25659), (369, 25611), (372, 25602), (393, 25527), (395, 25521), (422, 25398), (431, 25359), (476, 25209), (481, 25194),

Gene: Citius_33 Start: 26652, Stop: 25138, Start Num: 106

Candidate Starts for Citius_33:
(Start: 83 @26694 has 1 MA's), (Start: 100 @26661 has 39 MA's), (Start: 106 @26652 has 100 MA's), (139, 26490), (Start: 151 @26424 has 1 MA's), (156, 26406), (174, 26331), (180, 26307), (191, 26268), (192, 26265), (212, 26178), (241, 26064), (243, 26052), (287, 25869), (313, 25758), (329, 25707), (369, 25578), (372, 25569), (393, 25494), (395, 25488), (422, 25365), (431, 25326), (476, 25176), (481, 25161),

Gene: Clarenza_33 Start: 26634, Stop: 25120, Start Num: 106
Candidate Starts for Clarenza_33:
(Start: 83 @26676 has 1 MA's), (Start: 100 @26643 has 39 MA's), (Start: 106 @26634 has 100 MA's), (139, 26472), (Start: 151 @26406 has 1 MA's), (156, 26388), (174, 26313), (180, 26289), (191, 26250), (192, 26247), (212, 26160), (241, 26046), (243, 26034), (287, 25851), (313, 25740), (329, 25689), (369, 25560), (372, 25551), (393, 25476), (395, 25470), (422, 25347), (431, 25308), (476, 25158), (481, 25143),

Gene: Cocoaberry_33 Start: 26641, Stop: 25127, Start Num: 106
Candidate Starts for Cocoaberry_33:
(Start: 83 @26683 has 1 MA's), (Start: 100 @26650 has 39 MA's), (Start: 106 @26641 has 100 MA's), (139, 26479), (Start: 151 @26413 has 1 MA's), (156, 26395), (174, 26320), (180, 26296), (191, 26257), (192, 26254), (212, 26167), (241, 26053), (243, 26041), (287, 25858), (313, 25747), (329, 25696), (369, 25567), (372, 25558), (393, 25483), (395, 25477), (422, 25354), (431, 25315), (476, 25165), (481, 25150),

Gene: Community_53 Start: 37437, Stop: 38921, Start Num: 95
Candidate Starts for Community_53:
(Start: 95 @37437 has 33 MA's), (Start: 99 @37446 has 4 MA's), (183, 37767), (248, 38046), (288, 38220), (346, 38412), (411, 38649), (449, 38811),

Gene: ConceptII_39 Start: 30495, Stop: 32009, Start Num: 109
Candidate Starts for ConceptII_39:
(Start: 60 @30414 has 24 MA's), (Start: 64 @30420 has 2 MA's), (Start: 69 @30426 has 9 MA's), (Start: 70 @30429 has 7 MA's), (Start: 77 @30444 has 2 MA's), (Start: 109 @30495 has 197 MA's), (Start: 153 @30720 has 1 MA's), (Start: 195 @30870 has 1 MA's), (197, 30879), (198, 30888), (229, 30996), (236, 31017), (238, 31029), (243, 31053), (253, 31095), (285, 31224), (300, 31284), (314, 31341), (324, 31368), (331, 31395), (339, 31410), (371, 31512), (373, 31518), (382, 31551), (383, 31554), (402, 31632), (405, 31647), (429, 31752), (452, 31866),

Gene: Connomayer_33 Start: 26637, Stop: 25123, Start Num: 106
Candidate Starts for Connomayer_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Conspiracy_30 Start: 25686, Stop: 24193, Start Num: 109
Candidate Starts for Conspiracy_30:
(Start: 109 @25686 has 197 MA's), (Start: 118 @25653 has 1 MA's), (Start: 119 @25650 has 3 MA's), (Start: 123 @25632 has 4 MA's), (Start: 138 @25551 has 1 MA's), (168, 25407), (178, 25380), (192, 25332), (236, 25167), (241, 25143), (242, 25140), (245, 25119), (296, 24930), (343, 24759), (377, 24624), (390, 24582), (393, 24570), (413, 24486), (417, 24471), (421, 24456), (460, 24279), (477, 24249), (488, 24216),

Gene: Coog_30 Start: 25790, Stop: 24333, Start Num: 119
Candidate Starts for Coog_30:
(Start: 109 @25826 has 197 MA's), (Start: 118 @25793 has 1 MA's), (Start: 119 @25790 has 3 MA's), (Start: 123 @25772 has 4 MA's), (Start: 138 @25691 has 1 MA's), (168, 25547), (178, 25520), (192, 25472), (236, 25307), (241, 25283), (242, 25280), (245, 25259), (260, 25202), (296, 25070), (331, 24929), (343, 24899), (390, 24722), (393, 24710), (413, 24626), (417, 24611), (421, 24596), (460, 24419), (477, 24389), (488, 24356),

Gene: Corvo_38 Start: 30261, Stop: 31844, Start Num: 60
Candidate Starts for Corvo_38:
(Start: 60 @30261 has 24 MA's), (Start: 64 @30267 has 2 MA's), (Start: 69 @30273 has 9 MA's), (Start: 70 @30276 has 7 MA's), (Start: 77 @30291 has 2 MA's), (Start: 109 @30342 has 197 MA's), (Start: 114 @30357 has 7 MA's), (116, 30366), (Start: 151 @30561 has 1 MA's), (Start: 153 @30567 has 1 MA's), (156, 30579), (157, 30588), (Start: 195 @30717 has 1 MA's), (197, 30726), (198, 30735), (229, 30843), (236, 30864), (238, 30876), (243, 30900), (285, 31071), (300, 31131), (314, 31188), (331, 31242), (332, 31245), (339, 31257), (373, 31365), (382, 31398), (393, 31437), (402, 31479), (405, 31494), (452, 31713), (487, 31812), (498, 31836),

Gene: CosmicSans_29 Start: 23636, Stop: 22140, Start Num: 95
Candidate Starts for CosmicSans_29:
(Start: 95 @23636 has 33 MA's), (Start: 109 @23615 has 197 MA's), (Start: 110 @23609 has 3 MA's), (Start: 138 @23480 has 1 MA's), (147, 23432), (197, 23240), (226, 23129), (242, 23069), (244, 23057), (258, 22994), (270, 22964), (275, 22931), (281, 22910), (288, 22880), (293, 22865), (296, 22859), (303, 22811), (312, 22778), (329, 22721), (343, 22682), (345, 22676), (376, 22580), (384, 22547), (391, 22526), (393, 22517), (431, 22355),

Gene: Crewmate_55 Start: 36855, Stop: 38273, Start Num: 100
Candidate Starts for Crewmate_55:
(92, 36837), (Start: 99 @36852 has 4 MA's), (Start: 100 @36855 has 39 MA's), (Start: 109 @36864 has 197 MA's), (133, 36978), (Start: 138 @37002 has 1 MA's), (142, 37023), (Start: 153 @37086 has 1 MA's), (164, 37134), (189, 37197), (192, 37209), (220, 37317), (231, 37359), (243, 37410), (253, 37449), (369, 37854), (391, 37929), (394, 37941), (419, 38034), (438, 38112), (464, 38202),

Gene: Crispicous1_36 Start: 28941, Stop: 30443, Start Num: 109
Candidate Starts for Crispicous1_36:
(Start: 60 @28860 has 24 MA's), (Start: 64 @28866 has 2 MA's), (Start: 69 @28872 has 9 MA's), (Start: 70 @28875 has 7 MA's), (Start: 77 @28890 has 2 MA's), (Start: 109 @28941 has 197 MA's), (Start: 132 @29049 has 1 MA's), (Start: 151 @29160 has 1 MA's), (Start: 153 @29166 has 1 MA's), (166, 29220), (192, 29304), (Start: 195 @29316 has 1 MA's), (197, 29325), (198, 29334), (229, 29442), (236, 29463), (238, 29475), (243, 29499), (253, 29541), (285, 29670), (300, 29730), (314, 29787), (324, 29814), (331, 29841), (332, 29844), (339, 29856), (360, 29925), (371, 29958), (373, 29964), (382, 29997), (402, 30078), (405, 30093), (452, 30312), (487, 30411), (498, 30435),

Gene: Cuco_30 Start: 25776, Stop: 24283, Start Num: 109
Candidate Starts for Cuco_30:
(Start: 109 @25776 has 197 MA's), (Start: 118 @25743 has 1 MA's), (Start: 119 @25740 has 3 MA's), (Start: 123 @25722 has 4 MA's), (Start: 138 @25641 has 1 MA's), (168, 25497), (178, 25470), (192, 25422), (236, 25257), (241, 25233), (242, 25230), (245, 25209), (296, 25020), (331, 24879), (343, 24849), (390, 24672), (393, 24660), (413, 24576), (417, 24561), (421, 24546), (460, 24369), (477, 24339), (488, 24306),

Gene: Cueylyss_37 Start: 29520, Stop: 31019, Start Num: 109
Candidate Starts for Cueylyss_37:

(Start: 79 @29475 has 3 MA's), (Start: 109 @29520 has 197 MA's), (Start: 114 @29535 has 7 MA's), (116, 29544), (139, 29667), (Start: 151 @29739 has 1 MA's), (Start: 153 @29745 has 1 MA's), (166, 29799), (Start: 195 @29895 has 1 MA's), (197, 29904), (198, 29913), (229, 30021), (236, 30042), (238, 30054), (243, 30078), (253, 30120), (285, 30249), (300, 30309), (314, 30366), (324, 30393), (331, 30420), (332, 30423), (339, 30435), (371, 30534), (382, 30573), (402, 30654), (405, 30669), (429, 30774), (452, 30888), (487, 30987), (498, 31011),

Gene: Cyan_49 Start: 35259, Stop: 36668, Start Num: 109
Candidate Starts for Cyan_49:
(Start: 109 @35259 has 197 MA's), (133, 35373), (Start: 138 @35397 has 1 MA's), (Start: 153 @35481 has 1 MA's), (189, 35592), (192, 35604), (194, 35613), (220, 35712), (243, 35805), (245, 35817), (301, 36003), (385, 36306), (391, 36324), (394, 36336), (402, 36369), (438, 36507),

Gene: DD5_38 Start: 30268, Stop: 31770, Start Num: 109
Candidate Starts for DD5_38:
(Start: 60 @30187 has 24 MA's), (Start: 64 @30193 has 2 MA's), (Start: 69 @30199 has 9 MA's), (Start: 70 @30202 has 7 MA's), (Start: 77 @30217 has 2 MA's), (Start: 109 @30268 has 197 MA's), (Start: 111 @30277 has 2 MA's), (Start: 114 @30283 has 7 MA's), (116, 30292), (Start: 151 @30487 has 1 MA's), (Start: 153 @30493 has 1 MA's), (157, 30514), (192, 30631), (Start: 195 @30643 has 1 MA's), (197, 30652), (198, 30661), (229, 30769), (236, 30790), (238, 30802), (243, 30826), (253, 30868), (285, 30997), (300, 31057), (314, 31114), (331, 31168), (339, 31183), (371, 31285), (373, 31291), (402, 31405), (405, 31420), (452, 31639), (487, 31738), (498, 31762),

Gene: Daishi_35 Start: 26150, Stop: 24582, Start Num: 106
Candidate Starts for Daishi_35:
(37, 26300), (40, 26285), (87, 26186), (Start: 106 @26150 has 100 MA's), (157, 25895), (163, 25871), (177, 25811), (191, 25763), (192, 25760), (212, 25673), (217, 25661), (221, 25640), (226, 25616), (243, 25547), (261, 25478), (265, 25469), (287, 25364), (296, 25319), (329, 25187), (356, 25103), (371, 25046), (422, 24839), (452, 24698),

Gene: Danforth_29 Start: 24993, Stop: 23491, Start Num: 106
Candidate Starts for Danforth_29:
(65, 25062), (Start: 83 @25035 has 1 MA's), (87, 25029), (Start: 106 @24993 has 100 MA's), (Start: 138 @24843 has 1 MA's), (157, 24738), (174, 24672), (177, 24654), (191, 24612), (192, 24609), (212, 24522), (243, 24396), (267, 24303), (276, 24255), (287, 24213), (301, 24153), (329, 24051), (369, 23916), (390, 23844), (415, 23739), (421, 23712), (422, 23703), (450, 23580), (470, 23532),

Gene: Danzina_52 Start: 35300, Stop: 36943, Start Num: 31
Candidate Starts for Danzina_52:
(Start: 31 @35300 has 7 MA's), (Start: 42 @35366 has 21 MA's), (Start: 115 @35486 has 3 MA's), (Start: 132 @35576 has 1 MA's), (Start: 138 @35603 has 1 MA's), (147, 35654), (164, 35735), (165, 35738), (189, 35810), (191, 35819), (192, 35822), (232, 35975), (246, 36032), (247, 36035), (249, 36044), (255, 36068), (279, 36137), (312, 36272), (337, 36338), (342, 36353), (346, 36368), (371, 36467), (377, 36491), (380, 36500), (387, 36524), (403, 36596), (448, 36785), (458, 36815), (461, 36824), (469, 36848), (474, 36863), (480, 36878),

Gene: DarthPhader_36 Start: 28430, Stop: 26865, Start Num: 109
Candidate Starts for DarthPhader_36:
(Start: 109 @28430 has 197 MA's), (116, 28406), (Start: 138 @28295 has 1 MA's), (139, 28283), (165, 28160), (235, 27911), (241, 27884), (245, 27860), (256, 27821), (260, 27803), (273, 27749), (288, 27692), (312, 27593), (322, 27569), (330, 27536), (331, 27530), (334, 27515), (336, 27509), (339, 27497), (393, 27302), (403, 27257), (417, 27203), (431, 27140), (442, 27083), (451, 27041), (479, 26969), (482, 26960), (490, 26939), (503, 26876),

Gene: Dattran_52 Start: 35171, Stop: 36814, Start Num: 31
Candidate Starts for Dattran_52:
(Start: 31 @35171 has 7 MA's), (Start: 42 @35237 has 21 MA's), (Start: 115 @35357 has 3 MA's), (134, 35456), (Start: 138 @35474 has 1 MA's), (147, 35525), (164, 35606), (165, 35609), (189, 35681), (191, 35690), (192, 35693), (246, 35903), (247, 35906), (249, 35915), (312, 36143), (337, 36209), (346, 36239), (371, 36338), (377, 36362), (380, 36371), (387, 36395), (403, 36467), (448, 36656), (458, 36686), (461, 36695), (469, 36719), (474, 36734), (480, 36749),

Gene: Datway_33 Start: 26665, Stop: 25142, Start Num: 100
Candidate Starts for Datway_33:
(Start: 83 @26698 has 1 MA's), (Start: 100 @26665 has 39 MA's), (Start: 106 @26656 has 100 MA's), (Start: 118 @26611 has 1 MA's), (139, 26494), (Start: 151 @26428 has 1 MA's), (156, 26410), (174, 26335), (191, 26272), (192, 26269), (212, 26182), (243, 26056), (287, 25873), (300, 25816), (313, 25762), (329, 25711), (369, 25582), (372, 25573), (393, 25498), (395, 25492), (421, 25378), (422, 25369), (431, 25330), (476, 25180), (481, 25165),

Gene: Deano_33 Start: 26645, Stop: 25131, Start Num: 106
Candidate Starts for Deano_33:
(Start: 83 @26687 has 1 MA's), (Start: 100 @26654 has 39 MA's), (Start: 106 @26645 has 100 MA's), (139, 26483), (Start: 151 @26417 has 1 MA's), (156, 26399), (174, 26324), (180, 26300), (191, 26261), (192, 26258), (212, 26171), (241, 26057), (243, 26045), (287, 25862), (313, 25751), (329, 25700), (369, 25571), (372, 25562), (393, 25487), (395, 25481), (422, 25358), (431, 25319), (476, 25169), (481, 25154),

Gene: Dexes_37 Start: 29719, Stop: 31221, Start Num: 109
Candidate Starts for Dexes_37:
(18, 29482), (20, 29485), (23, 29500), (35, 29563), (Start: 60 @29638 has 24 MA's), (Start: 64 @29644 has 2 MA's), (Start: 69 @29650 has 9 MA's), (Start: 70 @29653 has 7 MA's), (Start: 77 @29668 has 2 MA's), (Start: 109 @29719 has 197 MA's), (Start: 153 @29944 has 1 MA's), (157, 29965), (176, 30028), (Start: 195 @30094 has 1 MA's), (197, 30103), (198, 30112), (229, 30220), (236, 30241), (238, 30253), (243, 30277), (253, 30319), (285, 30448), (300, 30508), (314, 30565), (324, 30592), (331, 30619), (332, 30622), (339, 30634), (371, 30736), (373, 30742), (382, 30775), (402, 30856), (405, 30871), (452, 31090), (487, 31189), (498, 31213),

Gene: Dhanush_33 Start: 26640, Stop: 25126, Start Num: 106
Candidate Starts for Dhanush_33:
(Start: 83 @26682 has 1 MA's), (Start: 100 @26649 has 39 MA's), (Start: 106 @26640 has 100 MA's), (139, 26478), (Start: 151 @26412 has 1 MA's), (156, 26394), (174, 26319), (180, 26295), (191, 26256), (192, 26253), (212, 26166), (241, 26052), (243, 26040), (287, 25857), (313, 25746), (329, 25695), (369, 25566), (372, 25557), (393, 25482), (395, 25476), (422, 25353), (431, 25314), (476, 25164), (481, 25149),

Gene: Dinger_29 Start: 23598, Stop: 22111, Start Num: 109
Candidate Starts for Dinger_29:
(Start: 109 @23598 has 197 MA's), (Start: 110 @23592 has 3 MA's), (Start: 138 @23463 has 1 MA's), (147, 23415), (197, 23223), (203, 23184), (226, 23112), (242, 23052), (244, 23040), (270, 22947), (275, 22914), (281, 22893), (285, 22875), (288, 22863), (293, 22848), (296, 22842), (303, 22794), (312, 22761), (329, 22704), (343, 22665), (345, 22659), (391, 22509), (424, 22368), (431, 22338), (493, 22122),

Gene: DirtyDunning_33 Start: 26700, Stop: 25138, Start Num: 73
Candidate Starts for DirtyDunning_33:

(Start: 73 @26700 has 8 MA's), (Start: 109 @26634 has 197 MA's), (Start: 115 @26616 has 3 MA's), (128, 26559), (130, 26541), (136, 26511), (Start: 138 @26499 has 1 MA's), (161, 26373), (169, 26352), (181, 26322), (191, 26283), (199, 26244), (225, 26154), (241, 26094), (254, 26040), (288, 25902), (354, 25671), (376, 25581), (385, 25545), (393, 25518), (404, 25464), (406, 25455), (453, 25245), (460, 25227), (466, 25215), (471, 25206),

Gene: Discoknowium_30 Start: 25895, Stop: 24402, Start Num: 109
Candidate Starts for Discoknowium_30:
(Start: 109 @25895 has 197 MA's), (Start: 118 @25862 has 1 MA's), (Start: 119 @25859 has 3 MA's), (Start: 123 @25841 has 4 MA's), (Start: 138 @25760 has 1 MA's), (168, 25616), (178, 25589), (192, 25541), (236, 25376), (241, 25352), (242, 25349), (245, 25328), (296, 25139), (343, 24968), (377, 24833), (390, 24791), (393, 24779), (413, 24695), (417, 24680), (421, 24665), (460, 24488), (477, 24458), (488, 24425),

Gene: Dixon_30 Start: 25012, Stop: 23510, Start Num: 106
Candidate Starts for Dixon_30:
(65, 25081), (Start: 83 @25054 has 1 MA's), (87, 25048), (Start: 106 @25012 has 100 MA's), (Start: 138 @24862 has 1 MA's), (157, 24757), (174, 24691), (177, 24673), (191, 24631), (192, 24628), (212, 24541), (243, 24415), (267, 24322), (276, 24274), (287, 24232), (301, 24172), (329, 24070), (369, 23935), (390, 23863), (415, 23758), (422, 23722), (431, 23683), (450, 23599), (470, 23551),

Gene: Doom_37 Start: 29713, Stop: 31212, Start Num: 109
Candidate Starts for Doom_37:
(Start: 60 @29632 has 24 MA's), (Start: 64 @29638 has 2 MA's), (Start: 69 @29644 has 9 MA's), (Start: 70 @29647 has 7 MA's), (Start: 77 @29662 has 2 MA's), (Start: 109 @29713 has 197 MA's), (Start: 114 @29728 has 7 MA's), (Start: 132 @29821 has 1 MA's), (Start: 151 @29932 has 1 MA's), (Start: 153 @29938 has 1 MA's), (157, 29959), (Start: 195 @30088 has 1 MA's), (197, 30097), (198, 30106), (229, 30214), (236, 30235), (238, 30247), (243, 30271), (253, 30313), (285, 30442), (300, 30502), (314, 30559), (324, 30586), (331, 30613), (332, 30616), (339, 30628), (371, 30727), (382, 30766), (383, 30769), (402, 30847), (405, 30862), (452, 31081), (487, 31180), (498, 31204),

Gene: DrFeelGood_36 Start: 29804, Stop: 31306, Start Num: 109
Candidate Starts for DrFeelGood_36:
(Start: 60 @29723 has 24 MA's), (Start: 64 @29729 has 2 MA's), (Start: 69 @29735 has 9 MA's), (Start: 70 @29738 has 7 MA's), (Start: 77 @29753 has 2 MA's), (Start: 109 @29804 has 197 MA's), (Start: 132 @29912 has 1 MA's), (Start: 151 @30023 has 1 MA's), (Start: 153 @30029 has 1 MA's), (166, 30083), (192, 30167), (Start: 195 @30179 has 1 MA's), (197, 30188), (198, 30197), (229, 30305), (236, 30326), (238, 30338), (243, 30362), (253, 30404), (285, 30533), (300, 30593), (314, 30650), (324, 30677), (331, 30704), (332, 30707), (339, 30719), (360, 30788), (371, 30821), (373, 30827), (382, 30860), (402, 30941), (405, 30956), (452, 31175), (487, 31274), (498, 31298),

Gene: DrManhattan_52 Start: 34287, Stop: 35705, Start Num: 100
Candidate Starts for DrManhattan_52:
(92, 34269), (Start: 99 @34284 has 4 MA's), (Start: 100 @34287 has 39 MA's), (Start: 109 @34296 has 197 MA's), (Start: 115 @34314 has 3 MA's), (Start: 138 @34434 has 1 MA's), (Start: 153 @34518 has 1 MA's), (164, 34566), (189, 34629), (192, 34641), (220, 34749), (243, 34842), (304, 35061), (384, 35340), (391, 35361), (438, 35544),

Gene: DrSierra_48 Start: 34086, Stop: 35504, Start Num: 100
Candidate Starts for DrSierra_48:
(92, 34068), (Start: 99 @34083 has 4 MA's), (Start: 100 @34086 has 39 MA's), (Start: 109 @34095 has 197 MA's), (Start: 115 @34113 has 3 MA's), (133, 34209), (Start: 138 @34233 has 1 MA's), (Start: 153 @34317 has 1 MA's), (154, 34320), (164, 34365), (189, 34428), (192, 34440), (194, 34449), (220,

34548), (243, 34641), (253, 34680), (366, 35070), (391, 35160), (394, 35172), (438, 35343),

Gene: Drake94_32 Start: 23843, Stop: 25489, Start Num: 108
Candidate Starts for Drake94_32:
(78, 23795), (Start: 100 @23834 has 39 MA's), (Start: 108 @23843 has 2 MA's), (Start: 111 @23861 has 2 MA's), (Start: 118 @23885 has 1 MA's), (Start: 132 @23960 has 1 MA's), (134, 23969), (Start: 138 @23987 has 1 MA's), (Start: 151 @24071 has 1 MA's), (152, 24074), (159, 24110), (191, 24212), (197, 24236), (198, 24245), (224, 24341), (236, 24377), (244, 24416), (245, 24425), (246, 24428), (276, 24545), (282, 24566), (285, 24581), (288, 24593), (299, 24641), (310, 24686), (331, 24758), (342, 24782), (373, 24902), (377, 24920), (378, 24923), (379, 24926), (414, 25061), (452, 25250), (486, 25343), (498, 25373), (501, 25397), (504, 25445), (505, 25463),

Gene: DreamCatcher_40 Start: 30683, Stop: 32266, Start Num: 60
Candidate Starts for DreamCatcher_40:
(Start: 60 @30683 has 24 MA's), (Start: 64 @30689 has 2 MA's), (Start: 69 @30695 has 9 MA's), (Start: 70 @30698 has 7 MA's), (Start: 77 @30713 has 2 MA's), (Start: 109 @30764 has 197 MA's), (134, 30881), (Start: 151 @30983 has 1 MA's), (Start: 153 @30989 has 1 MA's), (157, 31010), (192, 31127), (Start: 195 @31139 has 1 MA's), (197, 31148), (198, 31157), (229, 31265), (236, 31286), (238, 31298), (243, 31322), (253, 31364), (285, 31493), (300, 31553), (314, 31610), (324, 31637), (331, 31664), (332, 31667), (339, 31679), (360, 31748), (371, 31781), (373, 31787), (382, 31820), (402, 31901), (405, 31916), (429, 32021), (452, 32135), (487, 32234), (498, 32258),

Gene: DreamTeam1_33 Start: 26239, Stop: 24692, Start Num: 107
Candidate Starts for DreamTeam1_33:
(59, 26332), (84, 26284), (98, 26263), (Start: 100 @26254 has 39 MA's), (Start: 107 @26239 has 2 MA's), (116, 26209), (140, 26080), (157, 25990), (175, 25918), (192, 25852), (194, 25843), (198, 25822), (203, 25792), (224, 25714), (225, 25711), (251, 25606), (259, 25573), (276, 25498), (287, 25456), (296, 25438), (299, 25414), (331, 25297), (341, 25267), (369, 25186), (390, 25114), (393, 25102), (419, 24988), (422, 24973), (439, 24904), (450, 24841), (451, 24838), (457, 24820), (475, 24769),

Gene: Dreamboat_38 Start: 29353, Stop: 30855, Start Num: 109
Candidate Starts for Dreamboat_38:
(Start: 60 @29272 has 24 MA's), (Start: 64 @29278 has 2 MA's), (Start: 69 @29284 has 9 MA's), (Start: 70 @29287 has 7 MA's), (Start: 77 @29302 has 2 MA's), (Start: 109 @29353 has 197 MA's), (Start: 114 @29368 has 7 MA's), (134, 29470), (Start: 138 @29488 has 1 MA's), (139, 29500), (Start: 151 @29572 has 1 MA's), (Start: 153 @29578 has 1 MA's), (156, 29590), (157, 29599), (192, 29716), (Start: 195 @29728 has 1 MA's), (197, 29737), (198, 29746), (224, 29842), (229, 29854), (236, 29875), (238, 29887), (243, 29911), (253, 29953), (285, 30082), (300, 30142), (314, 30199), (331, 30253), (339, 30268), (371, 30370), (373, 30376), (382, 30409), (383, 30412), (393, 30448), (399, 30475), (405, 30505), (452, 30724), (487, 30823), (498, 30847),

Gene: DroogsArmy_34 Start: 29062, Stop: 27602, Start Num: 109
Candidate Starts for DroogsArmy_34:
(38, 29215), (81, 29110), (90, 29095), (Start: 109 @29062 has 197 MA's), (Start: 110 @29056 has 3 MA's), (Start: 115 @29044 has 3 MA's), (116, 29038), (137, 28933), (Start: 138 @28927 has 1 MA's), (143, 28891), (166, 28789), (178, 28756), (189, 28720), (197, 28687), (244, 28507), (282, 28357), (295, 28312), (331, 28168), (348, 28120), (377, 28039), (381, 28027), (383, 28021), (393, 27985), (404, 27931), (413, 27901), (493, 27613),

Gene: Druantia_33 Start: 26640, Stop: 25126, Start Num: 106
Candidate Starts for Druantia_33:

(Start: 83 @26682 has 1 MA's), (Start: 100 @26649 has 39 MA's), (Start: 106 @26640 has 100 MA's), (139, 26478), (Start: 151 @26412 has 1 MA's), (156, 26394), (174, 26319), (180, 26295), (191, 26256), (192, 26253), (212, 26166), (241, 26052), (243, 26040), (287, 25857), (313, 25746), (329, 25695), (369, 25566), (372, 25557), (393, 25482), (395, 25476), (422, 25353), (431, 25314), (476, 25164), (481, 25149),

Gene: Dublin_29 Start: 25745, Stop: 24252, Start Num: 109
Candidate Starts for Dublin_29:
(Start: 109 @25745 has 197 MA's), (Start: 118 @25712 has 1 MA's), (Start: 119 @25709 has 3 MA's), (Start: 123 @25691 has 4 MA's), (Start: 138 @25610 has 1 MA's), (168, 25466), (178, 25439), (192, 25391), (236, 25226), (241, 25202), (242, 25199), (245, 25178), (260, 25121), (296, 24989), (331, 24848), (343, 24818), (390, 24641), (393, 24629), (413, 24545), (417, 24530), (421, 24515), (460, 24338), (477, 24308), (488, 24275),

Gene: Dubu_44 Start: 35625, Stop: 37253, Start Num: 46
Candidate Starts for Dubu_44:
(Start: 46 @35625 has 1 MA's), (Start: 82 @35694 has 2 MA's), (125, 35805), (126, 35808), (169, 36018), (170, 36021), (226, 36255), (248, 36366), (286, 36486), (315, 36603), (343, 36696), (371, 36798), (374, 36807), (388, 36858), (401, 36909), (402, 36912), (411, 36945), (441, 37065), (447, 37092), (464, 37134), (465, 37137), (466, 37140), (483, 37188),

Gene: Dulcie_36 Start: 29273, Stop: 30550, Start Num: 153
Candidate Starts for Dulcie_36:
(Start: 60 @28967 has 24 MA's), (Start: 64 @28973 has 2 MA's), (Start: 69 @28979 has 9 MA's), (Start: 70 @28982 has 7 MA's), (Start: 77 @28997 has 2 MA's), (Start: 109 @29048 has 197 MA's), (Start: 114 @29063 has 7 MA's), (116, 29072), (Start: 151 @29267 has 1 MA's), (Start: 153 @29273 has 1 MA's), (192, 29411), (Start: 195 @29423 has 1 MA's), (197, 29432), (198, 29441), (229, 29549), (236, 29570), (238, 29582), (243, 29606), (253, 29648), (285, 29777), (300, 29837), (314, 29894), (324, 29921), (331, 29948), (332, 29951), (339, 29963), (373, 30071), (382, 30104), (402, 30185), (405, 30200), (429, 30305), (431, 30314), (452, 30419), (487, 30518), (498, 30542),

Gene: Dussy_38 Start: 29615, Stop: 31129, Start Num: 109
Candidate Starts for Dussy_38:
(Start: 60 @29534 has 24 MA's), (Start: 64 @29540 has 2 MA's), (Start: 69 @29546 has 9 MA's), (Start: 70 @29549 has 7 MA's), (Start: 77 @29564 has 2 MA's), (Start: 109 @29615 has 197 MA's), (Start: 112 @29627 has 3 MA's), (Start: 153 @29840 has 1 MA's), (156, 29852), (157, 29861), (166, 29894), (Start: 195 @29990 has 1 MA's), (197, 29999), (198, 30008), (229, 30116), (236, 30137), (238, 30149), (243, 30173), (253, 30215), (285, 30344), (300, 30404), (314, 30461), (324, 30488), (331, 30515), (332, 30518), (339, 30530), (360, 30599), (373, 30638), (382, 30671), (402, 30752), (405, 30767), (452, 30986),

Gene: Dwayne_50 Start: 36196, Stop: 37809, Start Num: 42
Candidate Starts for Dwayne_50:
(Start: 31 @36130 has 7 MA's), (Start: 41 @36187 has 5 MA's), (Start: 42 @36196 has 21 MA's), (Start: 115 @36343 has 3 MA's), (134, 36442), (Start: 138 @36460 has 1 MA's), (147, 36511), (164, 36592), (165, 36595), (189, 36667), (191, 36676), (192, 36679), (224, 36805), (232, 36832), (249, 36901), (260, 36946), (283, 37015), (290, 37042), (301, 37090), (312, 37138), (326, 37177), (337, 37204), (346, 37234), (377, 37357), (395, 37417), (403, 37462), (437, 37591), (445, 37642), (448, 37651), (461, 37690), (469, 37714), (474, 37729), (480, 37744), (485, 37759),

Gene: Dynamix_38 Start: 29367, Stop: 30950, Start Num: 60
Candidate Starts for Dynamix_38:

(Start: 60 @29367 has 24 MA's), (Start: 64 @29373 has 2 MA's), (Start: 69 @29379 has 9 MA's), (Start: 70 @29382 has 7 MA's), (Start: 77 @29397 has 2 MA's), (Start: 109 @29448 has 197 MA's), (Start: 114 @29463 has 7 MA's), (Start: 151 @29667 has 1 MA's), (Start: 153 @29673 has 1 MA's), (192, 29811), (Start: 195 @29823 has 1 MA's), (197, 29832), (198, 29841), (199, 29847), (224, 29937), (229, 29949), (238, 29982), (279, 30150), (285, 30177), (300, 30237), (314, 30294), (324, 30321), (331, 30348), (339, 30363), (360, 30432), (373, 30471), (382, 30504), (399, 30570), (405, 30600), (420, 30663), (429, 30705), (432, 30720), (452, 30819), (487, 30918), (498, 30942),

Gene: Eaglepride_35 Start: 26850, Stop: 25342, Start Num: 109
Candidate Starts for Eaglepride_35:
(Start: 109 @26850 has 197 MA's), (Start: 110 @26844 has 3 MA's), (116, 26826), (Start: 138 @26715 has 1 MA's), (176, 26550), (224, 26373), (236, 26334), (238, 26322), (241, 26310), (242, 26307), (244, 26295), (298, 26055), (299, 26049), (303, 26028), (316, 25983), (350, 25878), (375, 25800), (378, 25785), (385, 25761), (390, 25746), (403, 25689), (408, 25668), (424, 25602), (456, 25455), (484, 25380),

Gene: Eapen_33 Start: 26635, Stop: 25121, Start Num: 106
Candidate Starts for Eapen_33:
(Start: 83 @26677 has 1 MA's), (Start: 100 @26644 has 39 MA's), (Start: 106 @26635 has 100 MA's), (139, 26473), (Start: 151 @26407 has 1 MA's), (156, 26389), (174, 26314), (180, 26290), (191, 26251), (192, 26248), (212, 26161), (241, 26047), (243, 26035), (287, 25852), (313, 25741), (329, 25690), (369, 25561), (372, 25552), (393, 25477), (395, 25471), (422, 25348), (431, 25309), (476, 25159), (481, 25144),

Gene: Edison31_34 Start: 26745, Stop: 25372, Start Num: 138
Candidate Starts for Edison31_34:
(Start: 109 @26880 has 197 MA's), (Start: 110 @26874 has 3 MA's), (Start: 115 @26862 has 3 MA's), (116, 26856), (133, 26769), (Start: 138 @26745 has 1 MA's), (176, 26580), (224, 26403), (236, 26364), (238, 26352), (241, 26340), (242, 26337), (244, 26325), (299, 26079), (303, 26058), (350, 25908), (375, 25830), (378, 25815), (385, 25791), (390, 25776), (403, 25719), (408, 25698), (463, 25464),

Gene: Edtherson_38 Start: 30287, Stop: 31789, Start Num: 109
Candidate Starts for Edtherson_38:
(Start: 60 @30206 has 24 MA's), (Start: 64 @30212 has 2 MA's), (Start: 69 @30218 has 9 MA's), (Start: 70 @30221 has 7 MA's), (Start: 77 @30236 has 2 MA's), (Start: 109 @30287 has 197 MA's), (Start: 114 @30302 has 7 MA's), (Start: 151 @30506 has 1 MA's), (Start: 153 @30512 has 1 MA's), (157, 30533), (Start: 195 @30662 has 1 MA's), (197, 30671), (198, 30680), (229, 30788), (236, 30809), (238, 30821), (243, 30845), (253, 30887), (285, 31016), (300, 31076), (314, 31133), (324, 31160), (331, 31187), (339, 31202), (360, 31271), (373, 31310), (382, 31343), (402, 31424), (405, 31439), (429, 31544), (452, 31658), (487, 31757), (498, 31781),

Gene: Ejemplo_49 Start: 36125, Stop: 37747, Start Num: 41
Candidate Starts for Ejemplo_49:
(Start: 31 @36068 has 7 MA's), (Start: 41 @36125 has 5 MA's), (Start: 42 @36134 has 21 MA's), (Start: 115 @36281 has 3 MA's), (134, 36380), (Start: 138 @36398 has 1 MA's), (147, 36449), (164, 36530), (165, 36533), (189, 36605), (191, 36614), (192, 36617), (224, 36743), (232, 36770), (249, 36839), (260, 36884), (283, 36953), (290, 36980), (301, 37028), (312, 37076), (326, 37115), (346, 37172), (377, 37295), (395, 37355), (403, 37400), (437, 37529), (445, 37580), (448, 37589), (461, 37628), (469, 37652), (474, 37667), (480, 37682), (485, 37697),

Gene: ElTiger69_31 Start: 25415, Stop: 23934, Start Num: 109
Candidate Starts for ElTiger69_31:

(90, 25442), (Start: 109 @25415 has 197 MA's), (Start: 119 @25379 has 3 MA's), (Start: 138 @25280 has 1 MA's), (143, 25244), (Start: 153 @25196 has 1 MA's), (161, 25154), (170, 25130), (181, 25103), (191, 25064), (197, 25040), (199, 25025), (236, 24896), (306, 24602), (311, 24584), (322, 24557), (329, 24527), (339, 24503), (343, 24488), (361, 24428), (376, 24377), (377, 24368), (393, 24314), (400, 24281), (417, 24215), (431, 24152), (460, 24023), (493, 23945),

Gene: Elezi_48 Start: 35958, Stop: 37379, Start Num: 100
Candidate Starts for Elezi_48:
(92, 35940), (Start: 99 @35955 has 4 MA's), (Start: 100 @35958 has 39 MA's), (Start: 109 @35967 has 197 MA's), (133, 36081), (Start: 138 @36105 has 1 MA's), (Start: 153 @36189 has 1 MA's), (159, 36222), (164, 36237), (189, 36300), (192, 36312), (194, 36321), (220, 36420), (231, 36462), (243, 36513), (253, 36552), (282, 36630), (288, 36657), (385, 37017), (388, 37026), (391, 37035), (394, 37047), (438, 37218), (463, 37305),

Gene: Emaanora_53 Start: 36110, Stop: 37732, Start Num: 41
Candidate Starts for Emaanora_53:
(Start: 31 @36053 has 7 MA's), (Start: 41 @36110 has 5 MA's), (Start: 42 @36119 has 21 MA's), (Start: 115 @36266 has 3 MA's), (134, 36365), (Start: 138 @36383 has 1 MA's), (147, 36434), (164, 36515), (165, 36518), (189, 36590), (191, 36599), (192, 36602), (224, 36728), (232, 36755), (249, 36824), (260, 36869), (283, 36938), (290, 36965), (301, 37013), (312, 37061), (326, 37100), (337, 37127), (346, 37157), (377, 37280), (395, 37340), (403, 37385), (437, 37514), (445, 37565), (448, 37574), (461, 37613), (469, 37637), (474, 37652), (480, 37667), (485, 37682),

Gene: Eraser_48 Start: 35968, Stop: 37389, Start Num: 100
Candidate Starts for Eraser_48:
(92, 35950), (Start: 99 @35965 has 4 MA's), (Start: 100 @35968 has 39 MA's), (Start: 109 @35977 has 197 MA's), (133, 36091), (Start: 138 @36115 has 1 MA's), (Start: 153 @36199 has 1 MA's), (159, 36232), (164, 36247), (189, 36310), (192, 36322), (194, 36331), (220, 36430), (231, 36472), (243, 36523), (253, 36562), (282, 36640), (288, 36667), (385, 37027), (388, 37036), (391, 37045), (394, 37057), (438, 37228), (463, 37315),

Gene: Erik_29 Start: 23479, Stop: 22139, Start Num: 138
Candidate Starts for Erik_29:
(Start: 138 @23479 has 1 MA's), (147, 23431), (197, 23239), (226, 23128), (242, 23068), (244, 23056), (258, 22993), (270, 22963), (275, 22930), (281, 22909), (288, 22879), (293, 22864), (296, 22858), (303, 22810), (312, 22777), (329, 22720), (343, 22681), (345, 22675), (376, 22579), (384, 22546), (391, 22525), (393, 22516), (431, 22354),

Gene: Eris_32 Start: 26637, Stop: 25123, Start Num: 106
Candidate Starts for Eris_32:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Eros_33 Start: 26648, Stop: 25125, Start Num: 100
Candidate Starts for Eros_33:
(Start: 83 @26681 has 1 MA's), (Start: 100 @26648 has 39 MA's), (Start: 106 @26639 has 100 MA's), (139, 26477), (Start: 151 @26411 has 1 MA's), (156, 26393), (174, 26318), (180, 26294), (191, 26255), (192, 26252), (212, 26165), (241, 26051), (243, 26039), (287, 25856), (313, 25745), (329, 25694), (369, 25565), (372, 25556), (393, 25481), (395, 25475), (422, 25352), (431, 25313), (476, 25163), (481, 25148),

Gene: Espica_29 Start: 23636, Stop: 22140, Start Num: 95
Candidate Starts for Espica_29:
(Start: 95 @23636 has 33 MA's), (Start: 109 @23615 has 197 MA's), (Start: 110 @23609 has 3 MA's), (Start: 138 @23480 has 1 MA's), (147, 23432), (165, 23345), (197, 23240), (226, 23129), (235, 23099), (242, 23069), (244, 23057), (258, 22994), (270, 22964), (275, 22931), (281, 22910), (288, 22880), (293, 22865), (296, 22859), (303, 22811), (312, 22778), (329, 22721), (343, 22682), (345, 22676), (376, 22580), (384, 22547), (391, 22526), (393, 22517), (431, 22355),

Gene: Espresso_37 Start: 29571, Stop: 31136, Start Num: 70
Candidate Starts for Espresso_37:
(Start: 60 @29556 has 24 MA's), (Start: 64 @29562 has 2 MA's), (Start: 69 @29568 has 9 MA's), (Start: 70 @29571 has 7 MA's), (Start: 77 @29586 has 2 MA's), (Start: 109 @29637 has 197 MA's), (Start: 114 @29652 has 7 MA's), (116, 29661), (Start: 153 @29862 has 1 MA's), (156, 29874), (Start: 195 @30012 has 1 MA's), (197, 30021), (198, 30030), (199, 30036), (229, 30138), (236, 30159), (238, 30171), (243, 30195), (285, 30366), (300, 30426), (314, 30483), (331, 30537), (332, 30540), (339, 30552), (382, 30690), (393, 30729), (399, 30756), (405, 30786), (429, 30891), (452, 31005), (487, 31104), (498, 31128),

Gene: Euphoria_37 Start: 29484, Stop: 30986, Start Num: 109
Candidate Starts for Euphoria_37:
(Start: 60 @29403 has 24 MA's), (Start: 64 @29409 has 2 MA's), (Start: 69 @29415 has 9 MA's), (Start: 70 @29418 has 7 MA's), (Start: 77 @29433 has 2 MA's), (Start: 109 @29484 has 197 MA's), (Start: 114 @29499 has 7 MA's), (Start: 151 @29703 has 1 MA's), (Start: 153 @29709 has 1 MA's), (Start: 195 @29859 has 1 MA's), (197, 29868), (198, 29877), (229, 29985), (236, 30006), (238, 30018), (243, 30042), (253, 30084), (285, 30213), (300, 30273), (314, 30330), (324, 30357), (331, 30384), (332, 30387), (339, 30399), (373, 30507), (382, 30540), (402, 30621), (405, 30636), (429, 30741), (452, 30855), (456, 30867), (487, 30954), (498, 30978),

Gene: Euratis_57 Start: 38667, Stop: 40322, Start Num: 76
Candidate Starts for Euratis_57:
(Start: 76 @38667 has 1 MA's), (Start: 99 @38712 has 4 MA's), (104, 38721), (Start: 109 @38733 has 197 MA's), (Start: 117 @38763 has 2 MA's), (152, 38949), (Start: 153 @38952 has 1 MA's), (159, 38985), (161, 38994), (172, 39033), (190, 39099), (192, 39111), (204, 39171), (210, 39189), (214, 39198), (224, 39240), (246, 39327), (289, 39525), (291, 39537), (296, 39555), (300, 39582), (310, 39627), (311, 39639), (327, 39693), (331, 39705), (340, 39735), (371, 39834), (388, 39894), (408, 39978), (436, 40095), (438, 40101), (450, 40167), (476, 40245), (480, 40257),

Gene: Expelliarmus_29 Start: 24979, Stop: 23477, Start Num: 106
Candidate Starts for Expelliarmus_29:
(65, 25048), (Start: 83 @25021 has 1 MA's), (87, 25015), (Start: 106 @24979 has 100 MA's), (Start: 138 @24829 has 1 MA's), (157, 24724), (174, 24658), (177, 24640), (191, 24598), (192, 24595), (212, 24508), (221, 24475), (243, 24382), (267, 24289), (276, 24241), (287, 24199), (301, 24139), (329, 24037), (369, 23902), (390, 23830), (415, 23725), (421, 23698), (422, 23689), (450, 23566), (461, 23536), (470, 23518),

Gene: Eyeball_37 Start: 29191, Stop: 30690, Start Num: 109
Candidate Starts for Eyeball_37:
(Start: 60 @29110 has 24 MA's), (Start: 64 @29116 has 2 MA's), (Start: 69 @29122 has 9 MA's), (Start: 70 @29125 has 7 MA's), (Start: 77 @29140 has 2 MA's), (Start: 109 @29191 has 197 MA's), (Start: 151 @29410 has 1 MA's), (Start: 153 @29416 has 1 MA's), (157, 29437), (Start: 195 @29566 has 1 MA's), (197, 29575), (198, 29584), (229, 29692), (236, 29713), (238, 29725), (243, 29749), (253, 29791), (285, 29920), (300, 29980), (314, 30037), (324, 30064), (331, 30091), (332, 30094), (339,

30106), (371, 30205), (382, 30244), (402, 30325), (405, 30340), (429, 30445), (452, 30559), (487, 30658), (498, 30682),

Gene: Fajezeel_39 Start: 29706, Stop: 31220, Start Num: 109
Candidate Starts for Fajezeel_39:
(Start: 60 @29625 has 24 MA's), (Start: 64 @29631 has 2 MA's), (Start: 69 @29637 has 9 MA's), (Start: 70 @29640 has 7 MA's), (Start: 77 @29655 has 2 MA's), (Start: 109 @29706 has 197 MA's), (Start: 114 @29721 has 7 MA's), (Start: 151 @29925 has 1 MA's), (Start: 153 @29931 has 1 MA's), (157, 29952), (192, 30069), (Start: 195 @30081 has 1 MA's), (197, 30090), (198, 30099), (229, 30207), (236, 30228), (238, 30240), (243, 30264), (253, 30306), (285, 30435), (300, 30495), (314, 30552), (324, 30579), (331, 30606), (332, 30609), (339, 30621), (360, 30690), (371, 30723), (373, 30729), (382, 30762), (402, 30843), (405, 30858), (429, 30963), (452, 31077),

Gene: Fascinus_36 Start: 28964, Stop: 30466, Start Num: 109
Candidate Starts for Fascinus_36:
(48, 28859), (Start: 53 @28871 has 1 MA's), (Start: 60 @28883 has 24 MA's), (Start: 64 @28889 has 2 MA's), (Start: 69 @28895 has 9 MA's), (Start: 70 @28898 has 7 MA's), (Start: 77 @28913 has 2 MA's), (Start: 109 @28964 has 197 MA's), (Start: 151 @29183 has 1 MA's), (Start: 153 @29189 has 1 MA's), (157, 29210), (Start: 195 @29339 has 1 MA's), (197, 29348), (198, 29357), (229, 29465), (236, 29486), (238, 29498), (243, 29522), (253, 29564), (285, 29693), (300, 29753), (314, 29810), (324, 29837), (331, 29864), (332, 29867), (339, 29879), (360, 29948), (373, 29987), (382, 30020), (402, 30101), (405, 30116), (429, 30221), (452, 30335), (487, 30434), (498, 30458),

Gene: Fenn_38 Start: 31030, Stop: 32544, Start Num: 109
Candidate Starts for Fenn_38:
(Start: 60 @30949 has 24 MA's), (Start: 64 @30955 has 2 MA's), (Start: 69 @30961 has 9 MA's), (Start: 70 @30964 has 7 MA's), (Start: 77 @30979 has 2 MA's), (Start: 109 @31030 has 197 MA's), (Start: 153 @31255 has 1 MA's), (157, 31276), (192, 31393), (Start: 195 @31405 has 1 MA's), (197, 31414), (198, 31423), (229, 31531), (236, 31552), (238, 31564), (243, 31588), (253, 31630), (285, 31759), (300, 31819), (314, 31876), (331, 31930), (339, 31945), (373, 32053), (382, 32086), (383, 32089), (402, 32167), (405, 32182), (406, 32188), (452, 32401), (456, 32413),

Gene: Floof_64 Start: 39661, Stop: 41214, Start Num: 74
Candidate Starts for Floof_64:
(63, 39643), (Start: 74 @39661 has 2 MA's), (Start: 82 @39679 has 2 MA's), (Start: 123 @39766 has 4 MA's), (Start: 132 @39820 has 1 MA's), (147, 39886), (148, 39892), (156, 39934), (197, 40114), (201, 40138), (253, 40336), (256, 40348), (304, 40603), (364, 40783), (370, 40807), (375, 40819), (411, 40963), (418, 40987), (442, 41098),

Gene: Florean_33 Start: 26636, Stop: 25122, Start Num: 106
Candidate Starts for Florean_33:
(Start: 83 @26678 has 1 MA's), (Start: 100 @26645 has 39 MA's), (Start: 106 @26636 has 100 MA's), (139, 26474), (Start: 151 @26408 has 1 MA's), (156, 26390), (174, 26315), (180, 26291), (191, 26252), (192, 26249), (212, 26162), (241, 26048), (243, 26036), (287, 25853), (313, 25742), (329, 25691), (369, 25562), (372, 25553), (393, 25478), (395, 25472), (422, 25349), (431, 25310), (476, 25160), (481, 25145),

Gene: Flux_33 Start: 26681, Stop: 25125, Start Num: 83
Candidate Starts for Flux_33:
(Start: 83 @26681 has 1 MA's), (Start: 100 @26648 has 39 MA's), (Start: 106 @26639 has 100 MA's), (139, 26477), (Start: 151 @26411 has 1 MA's), (156, 26393), (174, 26318), (180, 26294), (191, 26255), (192, 26252), (212, 26165), (241, 26051), (243, 26039), (287, 25856), (313, 25745), (329, 25694), (369, 25565), (372, 25556), (393, 25481), (395, 25475), (422, 25352), (431, 25313), (476,

25163), (481, 25148),

Gene: ForGetIt_30 Start: 25711, Stop: 24218, Start Num: 109
Candidate Starts for ForGetIt_30:
(Start: 109 @25711 has 197 MA's), (Start: 118 @25678 has 1 MA's), (Start: 119 @25675 has 3 MA's), (Start: 123 @25657 has 4 MA's), (Start: 138 @25576 has 1 MA's), (168, 25432), (178, 25405), (192, 25357), (236, 25192), (241, 25168), (242, 25165), (245, 25144), (296, 24955), (343, 24784), (377, 24649), (390, 24607), (393, 24595), (413, 24511), (417, 24496), (421, 24481), (460, 24304), (477, 24274), (488, 24241),

Gene: Forsytheast_37 Start: 29539, Stop: 31122, Start Num: 60
Candidate Starts for Forsytheast_37:
(Start: 60 @29539 has 24 MA's), (Start: 64 @29545 has 2 MA's), (Start: 69 @29551 has 9 MA's), (Start: 70 @29554 has 7 MA's), (Start: 77 @29569 has 2 MA's), (Start: 109 @29620 has 197 MA's), (Start: 114 @29635 has 7 MA's), (116, 29644), (Start: 151 @29839 has 1 MA's), (Start: 153 @29845 has 1 MA's), (156, 29857), (157, 29866), (Start: 195 @29995 has 1 MA's), (197, 30004), (198, 30013), (229, 30121), (236, 30142), (238, 30154), (243, 30178), (285, 30349), (300, 30409), (314, 30466), (331, 30520), (332, 30523), (339, 30535), (373, 30643), (382, 30676), (393, 30715), (402, 30757), (405, 30772), (452, 30991), (487, 31090), (498, 31114),

Gene: Francis47_37 Start: 30069, Stop: 31553, Start Num: 114
Candidate Starts for Francis47_37:
(Start: 60 @29973 has 24 MA's), (Start: 64 @29979 has 2 MA's), (Start: 69 @29985 has 9 MA's), (Start: 70 @29988 has 7 MA's), (Start: 77 @30003 has 2 MA's), (Start: 109 @30054 has 197 MA's), (Start: 114 @30069 has 7 MA's), (Start: 151 @30273 has 1 MA's), (Start: 153 @30279 has 1 MA's), (157, 30300), (Start: 195 @30429 has 1 MA's), (197, 30438), (198, 30447), (229, 30555), (236, 30576), (238, 30588), (243, 30612), (285, 30783), (300, 30843), (314, 30900), (324, 30927), (331, 30954), (332, 30957), (339, 30969), (371, 31068), (382, 31107), (383, 31110), (402, 31188), (405, 31203), (452, 31422), (487, 31521), (498, 31545),

Gene: Froghopper_37 Start: 28895, Stop: 30478, Start Num: 60
Candidate Starts for Froghopper_37:
(Start: 60 @28895 has 24 MA's), (Start: 64 @28901 has 2 MA's), (Start: 69 @28907 has 9 MA's), (Start: 70 @28910 has 7 MA's), (Start: 77 @28925 has 2 MA's), (Start: 109 @28976 has 197 MA's), (Start: 153 @29201 has 1 MA's), (Start: 195 @29351 has 1 MA's), (197, 29360), (198, 29369), (229, 29477), (236, 29498), (238, 29510), (243, 29534), (285, 29705), (300, 29765), (314, 29822), (331, 29876), (332, 29879), (339, 29891), (360, 29960), (373, 29999), (382, 30032), (402, 30113), (405, 30128), (429, 30233), (452, 30347), (456, 30359), (487, 30446), (498, 30470),

Gene: Funston_33 Start: 26637, Stop: 25123, Start Num: 106
Candidate Starts for Funston_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Gadost_33 Start: 26641, Stop: 25127, Start Num: 106
Candidate Starts for Gadost_33:
(Start: 83 @26683 has 1 MA's), (Start: 100 @26650 has 39 MA's), (Start: 106 @26641 has 100 MA's), (139, 26479), (Start: 151 @26413 has 1 MA's), (156, 26395), (174, 26320), (180, 26296), (191, 26257), (192, 26254), (212, 26167), (241, 26053), (243, 26041), (287, 25858), (313, 25747), (329, 25696), (369, 25567), (372, 25558), (393, 25483), (395, 25477), (422, 25354), (431, 25315), (476,

25165), (481, 25150),

Gene: GageAP_39 Start: 29769, Stop: 31271, Start Num: 109
Candidate Starts for GageAP_39:
(43, 29655), (Start: 60 @29688 has 24 MA's), (Start: 64 @29694 has 2 MA's), (Start: 69 @29700 has 9 MA's), (Start: 70 @29703 has 7 MA's), (Start: 77 @29718 has 2 MA's), (Start: 109 @29769 has 197 MA's), (Start: 151 @29988 has 1 MA's), (Start: 153 @29994 has 1 MA's), (157, 30015), (Start: 195 @30144 has 1 MA's), (197, 30153), (198, 30162), (229, 30270), (236, 30291), (238, 30303), (243, 30327), (253, 30369), (285, 30498), (300, 30558), (314, 30615), (324, 30642), (331, 30669), (332, 30672), (339, 30684), (360, 30753), (373, 30792), (382, 30825), (402, 30906), (405, 30921), (452, 31140), (456, 31152), (487, 31239), (498, 31263),

Gene: Gandalf20_38 Start: 30239, Stop: 31741, Start Num: 109
Candidate Starts for Gandalf20_38:
(Start: 60 @30158 has 24 MA's), (Start: 64 @30164 has 2 MA's), (Start: 69 @30170 has 9 MA's), (Start: 70 @30173 has 7 MA's), (Start: 77 @30188 has 2 MA's), (Start: 109 @30239 has 197 MA's), (Start: 112 @30251 has 3 MA's), (Start: 153 @30464 has 1 MA's), (156, 30476), (157, 30485), (166, 30518), (Start: 195 @30614 has 1 MA's), (197, 30623), (198, 30632), (229, 30740), (236, 30761), (238, 30773), (243, 30797), (253, 30839), (285, 30968), (300, 31028), (314, 31085), (324, 31112), (331, 31139), (332, 31142), (339, 31154), (360, 31223), (371, 31256), (373, 31262), (382, 31295), (402, 31376), (405, 31391), (429, 31496), (452, 31610), (487, 31709), (498, 31733),

Gene: GardenState_58 Start: 37501, Stop: 38922, Start Num: 96
Candidate Starts for GardenState_58:
(Start: 96 @37501 has 2 MA's), (192, 37861), (242, 38053), (243, 38062), (279, 38167), (346, 38401), (358, 38440), (411, 38641), (418, 38665), (423, 38686), (455, 38812), (486, 38899),

Gene: George_29 Start: 25777, Stop: 24284, Start Num: 109
Candidate Starts for George_29:
(Start: 109 @25777 has 197 MA's), (Start: 118 @25744 has 1 MA's), (Start: 119 @25741 has 3 MA's), (Start: 123 @25723 has 4 MA's), (Start: 138 @25642 has 1 MA's), (168, 25498), (178, 25471), (192, 25423), (236, 25258), (241, 25234), (242, 25231), (245, 25210), (296, 25021), (331, 24880), (343, 24850), (390, 24673), (393, 24661), (413, 24577), (417, 24562), (421, 24547), (460, 24370), (477, 24340), (488, 24307),

Gene: Ghoulboy_30 Start: 25972, Stop: 24533, Start Num: 123
Candidate Starts for Ghoulboy_30:
(Start: 109 @26026 has 197 MA's), (Start: 118 @25993 has 1 MA's), (Start: 119 @25990 has 3 MA's), (Start: 123 @25972 has 4 MA's), (Start: 138 @25891 has 1 MA's), (160, 25771), (168, 25747), (178, 25720), (192, 25672), (236, 25507), (241, 25483), (242, 25480), (245, 25459), (260, 25402), (296, 25270), (331, 25129), (343, 25099), (377, 24964), (390, 24922), (393, 24910), (413, 24826), (417, 24811), (421, 24796), (460, 24619), (477, 24589),

Gene: Goby_50 Start: 35136, Stop: 36713, Start Num: 42
Candidate Starts for Goby_50:
(Start: 31 @35070 has 7 MA's), (Start: 42 @35136 has 21 MA's), (Start: 115 @35256 has 3 MA's), (134, 35355), (Start: 138 @35373 has 1 MA's), (147, 35424), (164, 35505), (165, 35508), (189, 35580), (191, 35589), (192, 35592), (246, 35802), (247, 35805), (249, 35814), (312, 36042), (337, 36108), (346, 36138), (371, 36237), (377, 36261), (380, 36270), (387, 36294), (403, 36366), (448, 36555), (458, 36585), (461, 36594), (469, 36618), (474, 36633), (480, 36648),

Gene: Godpower_51 Start: 35115, Stop: 36692, Start Num: 42
Candidate Starts for Godpower_51:

(Start: 31 @35049 has 7 MA's), (Start: 42 @35115 has 21 MA's), (Start: 115 @35235 has 3 MA's), (134, 35334), (Start: 138 @35352 has 1 MA's), (147, 35403), (164, 35484), (165, 35487), (189, 35559), (191, 35568), (192, 35571), (232, 35724), (246, 35781), (247, 35784), (249, 35793), (312, 36021), (337, 36087), (346, 36117), (371, 36216), (377, 36240), (380, 36249), (387, 36273), (403, 36345), (448, 36534), (461, 36573), (469, 36597), (474, 36612), (480, 36627),

Gene: Gollum_29 Start: 23636, Stop: 22140, Start Num: 95
Candidate Starts for Gollum_29:
(Start: 95 @23636 has 33 MA's), (Start: 109 @23615 has 197 MA's), (Start: 110 @23609 has 3 MA's), (Start: 138 @23480 has 1 MA's), (147, 23432), (197, 23240), (203, 23201), (226, 23129), (242, 23069), (244, 23057), (258, 22994), (270, 22964), (275, 22931), (281, 22910), (288, 22880), (293, 22865), (296, 22859), (303, 22811), (312, 22778), (329, 22721), (343, 22682), (345, 22676), (376, 22580), (384, 22547), (391, 22526), (393, 22517), (431, 22355),

Gene: Gompeii16_37 Start: 29884, Stop: 31383, Start Num: 109
Candidate Starts for Gompeii16_37:
(Start: 60 @29803 has 24 MA's), (Start: 64 @29809 has 2 MA's), (Start: 69 @29815 has 9 MA's), (Start: 70 @29818 has 7 MA's), (Start: 77 @29833 has 2 MA's), (Start: 109 @29884 has 197 MA's), (Start: 114 @29899 has 7 MA's), (116, 29908), (Start: 151 @30103 has 1 MA's), (Start: 153 @30109 has 1 MA's), (157, 30130), (Start: 195 @30259 has 1 MA's), (197, 30268), (198, 30277), (229, 30385), (236, 30406), (238, 30418), (243, 30442), (285, 30613), (300, 30673), (314, 30730), (324, 30757), (331, 30784), (332, 30787), (339, 30799), (371, 30898), (382, 30937), (383, 30940), (402, 31018), (405, 31033), (452, 31252), (487, 31351), (498, 31375),

Gene: Graduation_39 Start: 30062, Stop: 31606, Start Num: 79
Candidate Starts for Graduation_39:
(Start: 79 @30062 has 3 MA's), (Start: 109 @30107 has 197 MA's), (Start: 114 @30122 has 7 MA's), (116, 30131), (139, 30254), (Start: 151 @30326 has 1 MA's), (Start: 153 @30332 has 1 MA's), (166, 30386), (Start: 195 @30482 has 1 MA's), (197, 30491), (198, 30500), (229, 30608), (236, 30629), (238, 30641), (243, 30665), (253, 30707), (285, 30836), (300, 30896), (314, 30953), (324, 30980), (331, 31007), (332, 31010), (339, 31022), (371, 31121), (382, 31160), (402, 31241), (405, 31256), (429, 31361), (452, 31475), (456, 31487), (487, 31574), (498, 31598),

Gene: GrecoEtereo_39 Start: 30180, Stop: 31682, Start Num: 109
Candidate Starts for GrecoEtereo_39:
(Start: 60 @30099 has 24 MA's), (Start: 64 @30105 has 2 MA's), (Start: 69 @30111 has 9 MA's), (Start: 70 @30114 has 7 MA's), (Start: 77 @30129 has 2 MA's), (Start: 109 @30180 has 197 MA's), (Start: 114 @30195 has 7 MA's), (Start: 153 @30405 has 1 MA's), (Start: 195 @30555 has 1 MA's), (197, 30564), (198, 30573), (229, 30681), (236, 30702), (238, 30714), (243, 30738), (253, 30780), (285, 30909), (300, 30969), (314, 31026), (331, 31080), (339, 31095), (360, 31164), (371, 31197), (373, 31203), (382, 31236), (383, 31239), (402, 31317), (405, 31332), (429, 31437), (452, 31551), (487, 31650), (498, 31674),

Gene: Greg_39 Start: 29706, Stop: 31220, Start Num: 109
Candidate Starts for Greg_39:
(Start: 60 @29625 has 24 MA's), (Start: 64 @29631 has 2 MA's), (Start: 69 @29637 has 9 MA's), (Start: 70 @29640 has 7 MA's), (Start: 77 @29655 has 2 MA's), (Start: 109 @29706 has 197 MA's), (Start: 114 @29721 has 7 MA's), (Start: 151 @29925 has 1 MA's), (Start: 153 @29931 has 1 MA's), (157, 29952), (192, 30069), (Start: 195 @30081 has 1 MA's), (197, 30090), (198, 30099), (229, 30207), (236, 30228), (238, 30240), (243, 30264), (253, 30306), (285, 30435), (300, 30495), (314, 30552), (324, 30579), (331, 30606), (332, 30609), (339, 30621), (360, 30690), (371, 30723), (373, 30729), (382, 30762), (402, 30843), (405, 30858), (429, 30963), (452, 31077),

Gene: Groundhog_29 Start: 24980, Stop: 23478, Start Num: 106
Candidate Starts for Groundhog_29:
(65, 25052), (Start: 83 @25022 has 1 MA's), (87, 25016), (Start: 106 @24980 has 100 MA's), (Start: 138 @24830 has 1 MA's), (157, 24725), (174, 24659), (177, 24641), (191, 24599), (192, 24596), (212, 24509), (243, 24383), (267, 24290), (276, 24242), (287, 24200), (301, 24140), (329, 24038), (369, 23903), (390, 23831), (415, 23726), (421, 23699), (422, 23690), (450, 23567), (470, 23519),

Gene: Gwendoluna_41 Start: 31439, Stop: 33007, Start Num: 70
Candidate Starts for Gwendoluna_41:
(Start: 60 @31424 has 24 MA's), (Start: 64 @31430 has 2 MA's), (Start: 69 @31436 has 9 MA's), (Start: 70 @31439 has 7 MA's), (Start: 77 @31454 has 2 MA's), (Start: 109 @31505 has 197 MA's), (Start: 114 @31520 has 7 MA's), (Start: 151 @31724 has 1 MA's), (Start: 153 @31730 has 1 MA's), (157, 31751), (Start: 195 @31880 has 1 MA's), (197, 31889), (198, 31898), (229, 32006), (236, 32027), (238, 32039), (243, 32063), (253, 32105), (285, 32234), (300, 32294), (314, 32351), (324, 32378), (331, 32405), (332, 32408), (339, 32420), (360, 32489), (373, 32528), (382, 32561), (402, 32642), (405, 32657), (410, 32672), (429, 32762), (452, 32876), (487, 32975), (498, 32999),

Gene: HINdeR_33 Start: 29171, Stop: 27708, Start Num: 109
Candidate Starts for HINdeR_33:
(Start: 55 @29273 has 1 MA's), (71, 29243), (89, 29210), (Start: 109 @29171 has 197 MA's), (Start: 138 @29036 has 1 MA's), (143, 29000), (161, 28910), (169, 28889), (170, 28886), (191, 28820), (197, 28796), (199, 28781), (216, 28730), (234, 28658), (235, 28655), (238, 28640), (239, 28631), (257, 28556), (260, 28547), (282, 28463), (298, 28397), (356, 28208), (378, 28139), (392, 28091), (406, 28025), (413, 28004), (438, 27899), (466, 27785), (478, 27761), (484, 27743), (493, 27719), (497, 27713),

Gene: HamSlice_32 Start: 26644, Stop: 25121, Start Num: 100
Candidate Starts for HamSlice_32:
(Start: 83 @26677 has 1 MA's), (Start: 100 @26644 has 39 MA's), (Start: 106 @26635 has 100 MA's), (139, 26473), (Start: 151 @26407 has 1 MA's), (156, 26389), (174, 26314), (180, 26290), (191, 26251), (192, 26248), (212, 26161), (241, 26047), (243, 26035), (287, 25852), (313, 25741), (329, 25690), (369, 25561), (372, 25552), (393, 25477), (395, 25471), (422, 25348), (431, 25309), (476, 25159), (481, 25144),

Gene: HanShotFirst_36 Start: 28972, Stop: 30474, Start Num: 109
Candidate Starts for HanShotFirst_36:
(18, 28735), (20, 28738), (23, 28753), (35, 28816), (Start: 60 @28891 has 24 MA's), (Start: 64 @28897 has 2 MA's), (Start: 69 @28903 has 9 MA's), (Start: 70 @28906 has 7 MA's), (Start: 77 @28921 has 2 MA's), (Start: 109 @28972 has 197 MA's), (Start: 114 @28987 has 7 MA's), (Start: 132 @29080 has 1 MA's), (Start: 151 @29191 has 1 MA's), (Start: 153 @29197 has 1 MA's), (157, 29218), (192, 29335), (Start: 195 @29347 has 1 MA's), (197, 29356), (198, 29365), (224, 29461), (229, 29473), (236, 29494), (238, 29506), (243, 29530), (285, 29701), (300, 29761), (314, 29818), (331, 29872), (339, 29887), (371, 29989), (373, 29995), (382, 30028), (383, 30031), (399, 30094), (405, 30124), (429, 30229), (452, 30343), (487, 30442), (498, 30466),

Gene: Happiness_33 Start: 26642, Stop: 25128, Start Num: 106
Candidate Starts for Happiness_33:
(Start: 83 @26684 has 1 MA's), (Start: 100 @26651 has 39 MA's), (Start: 106 @26642 has 100 MA's), (139, 26480), (Start: 151 @26414 has 1 MA's), (156, 26396), (174, 26321), (180, 26297), (191, 26258), (192, 26255), (212, 26168), (241, 26054), (243, 26042), (287, 25859), (313, 25748), (329, 25697), (369, 25568), (372, 25559), (393, 25484), (395, 25478), (422, 25355), (431, 25316), (476, 25166), (481, 25151),

Gene: Harlequin_29 Start: 23641, Stop: 22145, Start Num: 95
Candidate Starts for Harlequin_29:
(Start: 95 @23641 has 33 MA's), (Start: 109 @23620 has 197 MA's), (Start: 110 @23614 has 3 MA's), (Start: 138 @23485 has 1 MA's), (147, 23437), (165, 23350), (197, 23245), (226, 23134), (242, 23074), (244, 23062), (258, 22999), (270, 22969), (275, 22936), (281, 22915), (288, 22885), (296, 22864), (302, 22819), (303, 22816), (304, 22810), (329, 22726), (343, 22687), (345, 22681), (384, 22552), (391, 22531), (393, 22522), (431, 22360),

Gene: HarryOW_37 Start: 29352, Stop: 30854, Start Num: 109
Candidate Starts for HarryOW_37:
(Start: 60 @29271 has 24 MA's), (Start: 64 @29277 has 2 MA's), (Start: 69 @29283 has 9 MA's), (Start: 70 @29286 has 7 MA's), (Start: 109 @29352 has 197 MA's), (Start: 151 @29571 has 1 MA's), (Start: 153 @29577 has 1 MA's), (157, 29598), (Start: 195 @29727 has 1 MA's), (197, 29736), (198, 29745), (229, 29853), (236, 29874), (238, 29886), (243, 29910), (253, 29952), (285, 30081), (300, 30141), (314, 30198), (331, 30252), (339, 30267), (360, 30336), (371, 30369), (373, 30375), (382, 30408), (383, 30411), (402, 30489), (405, 30504), (429, 30609), (452, 30723), (487, 30822), (498, 30846),

Gene: HashRod_37 Start: 27309, Stop: 25741, Start Num: 106
Candidate Starts for HashRod_37:
(37, 27459), (40, 27444), (87, 27345), (Start: 106 @27309 has 100 MA's), (157, 27054), (163, 27030), (177, 26970), (191, 26922), (192, 26919), (212, 26832), (217, 26820), (221, 26799), (226, 26775), (243, 26706), (261, 26637), (265, 26628), (287, 26523), (296, 26478), (329, 26346), (356, 26262), (371, 26205), (422, 25998), (452, 25857),

Gene: Herbertwm_31 Start: 25845, Stop: 24304, Start Num: 106
Candidate Starts for Herbertwm_31:
(16, 26094), (17, 26091), (25, 26064), (27, 26055), (47, 25950), (49, 25944), (68, 25911), (84, 25884), (86, 25881), (Start: 106 @25845 has 100 MA's), (Start: 151 @25617 has 1 MA's), (156, 25599), (173, 25527), (187, 25470), (191, 25452), (192, 25449), (217, 25350), (225, 25308), (243, 25236), (259, 25170), (265, 25158), (287, 25053), (296, 25023), (301, 24993), (331, 24882), (369, 24729), (376, 24708), (390, 24657), (393, 24645), (395, 24639), (409, 24576), (419, 24531), (422, 24516),

Gene: Hermia_39 Start: 30922, Stop: 32409, Start Num: 114
Candidate Starts for Hermia_39:
(Start: 60 @30826 has 24 MA's), (Start: 64 @30832 has 2 MA's), (Start: 69 @30838 has 9 MA's), (Start: 70 @30841 has 7 MA's), (Start: 77 @30856 has 2 MA's), (Start: 109 @30907 has 197 MA's), (Start: 114 @30922 has 7 MA's), (Start: 151 @31126 has 1 MA's), (Start: 153 @31132 has 1 MA's), (157, 31153), (192, 31270), (Start: 195 @31282 has 1 MA's), (197, 31291), (198, 31300), (224, 31396), (229, 31408), (236, 31429), (238, 31441), (243, 31465), (285, 31636), (300, 31696), (314, 31753), (324, 31780), (331, 31807), (339, 31822), (360, 31891), (373, 31930), (382, 31963), (402, 32044), (405, 32059), (429, 32164), (452, 32278), (487, 32377), (498, 32401),

Gene: HermioneGrange_37 Start: 29320, Stop: 30822, Start Num: 109
Candidate Starts for HermioneGrange_37:
(Start: 60 @29239 has 24 MA's), (Start: 64 @29245 has 2 MA's), (Start: 69 @29251 has 9 MA's), (Start: 70 @29254 has 7 MA's), (Start: 77 @29269 has 2 MA's), (Start: 109 @29320 has 197 MA's), (Start: 112 @29332 has 3 MA's), (Start: 153 @29545 has 1 MA's), (156, 29557), (157, 29566), (166, 29599), (Start: 195 @29695 has 1 MA's), (197, 29704), (198, 29713), (229, 29821), (236, 29842), (238, 29854), (243, 29878), (253, 29920), (285, 30049), (300, 30109), (314, 30166), (324, 30193), (331, 30220), (332, 30223), (339, 30235), (360, 30304), (371, 30337), (373, 30343), (382, 30376), (402, 30457), (405, 30472), (429, 30577), (452, 30691), (487, 30790), (498, 30814),

Gene: Hippo_50 Start: 36182, Stop: 37795, Start Num: 42
Candidate Starts for Hippo_50:
(Start: 31 @36116 has 7 MA's), (Start: 41 @36173 has 5 MA's), (Start: 42 @36182 has 21 MA's), (Start: 115 @36329 has 3 MA's), (134, 36428), (Start: 138 @36446 has 1 MA's), (147, 36497), (164, 36578), (165, 36581), (189, 36653), (191, 36662), (192, 36665), (224, 36791), (232, 36818), (249, 36887), (260, 36932), (283, 37001), (290, 37028), (301, 37076), (312, 37124), (326, 37163), (337, 37190), (346, 37220), (377, 37343), (395, 37403), (403, 37448), (437, 37577), (445, 37628), (448, 37637), (461, 37676), (469, 37700), (474, 37715), (480, 37730), (485, 37745),

Gene: Hiro_29 Start: 23875, Stop: 22397, Start Num: 109
Candidate Starts for Hiro_29:
(Start: 95 @23896 has 33 MA's), (Start: 109 @23875 has 197 MA's), (Start: 110 @23869 has 3 MA's), (128, 23800), (Start: 138 @23740 has 1 MA's), (165, 23602), (166, 23599), (172, 23572), (191, 23521), (216, 23431), (235, 23359), (239, 23335), (243, 23320), (245, 23308), (256, 23269), (276, 23188), (280, 23176), (290, 23137), (296, 23119), (310, 23050), (313, 23038), (319, 23023), (323, 23011), (329, 22987), (331, 22978), (343, 22948), (348, 22930), (357, 22909), (362, 22888), (375, 22855), (377, 22843), (404, 22735), (430, 22630), (442, 22570), (450, 22531), (451, 22528), (458, 22504), (460, 22498),

Gene: Holli_33 Start: 26436, Stop: 24913, Start Num: 100
Candidate Starts for Holli_33:
(Start: 83 @26469 has 1 MA's), (Start: 100 @26436 has 39 MA's), (Start: 106 @26427 has 100 MA's), (139, 26265), (Start: 151 @26199 has 1 MA's), (156, 26181), (174, 26106), (180, 26082), (191, 26043), (192, 26040), (212, 25953), (241, 25839), (243, 25827), (287, 25644), (313, 25533), (329, 25482), (369, 25353), (372, 25344), (393, 25269), (395, 25263), (422, 25140), (431, 25101), (476, 24951), (481, 24936),

Gene: Honk_61 Start: 38228, Stop: 39772, Start Num: 93
Candidate Starts for Honk_61:
(Start: 93 @38228 has 2 MA's), (148, 38429), (164, 38507), (194, 38630), (206, 38690), (222, 38738), (226, 38759), (234, 38786), (236, 38792), (253, 38870), (337, 39188), (346, 39218), (347, 39224), (382, 39353), (385, 39365), (388, 39374), (404, 39449), (411, 39470), (435, 39560), (439, 39575), (480, 39707),

Gene: Hookmount_34 Start: 27245, Stop: 25722, Start Num: 101
Candidate Starts for Hookmount_34:
(Start: 101 @27245 has 3 MA's), (Start: 109 @27230 has 197 MA's), (Start: 110 @27224 has 3 MA's), (Start: 111 @27221 has 2 MA's), (146, 27053), (147, 27047), (176, 26930), (194, 26870), (224, 26753), (236, 26714), (242, 26687), (244, 26675), (271, 26540), (309, 26387), (338, 26297), (350, 26258), (377, 26168), (390, 26126), (393, 26114), (403, 26069), (408, 26048), (456, 25835), (463, 25814),

Gene: Hope4ever_37 Start: 29718, Stop: 31289, Start Num: 69
Candidate Starts for Hope4ever_37:
(Start: 60 @29706 has 24 MA's), (Start: 64 @29712 has 2 MA's), (Start: 69 @29718 has 9 MA's), (Start: 70 @29721 has 7 MA's), (Start: 77 @29736 has 2 MA's), (Start: 109 @29787 has 197 MA's), (Start: 111 @29796 has 2 MA's), (Start: 114 @29802 has 7 MA's), (116, 29811), (Start: 151 @30006 has 1 MA's), (Start: 153 @30012 has 1 MA's), (192, 30150), (Start: 195 @30162 has 1 MA's), (197, 30171), (198, 30180), (229, 30288), (236, 30309), (238, 30321), (243, 30345), (253, 30387), (285, 30516), (300, 30576), (314, 30633), (331, 30687), (332, 30690), (339, 30702), (360, 30771), (373, 30810), (382, 30843), (402, 30924), (405, 30939), (429, 31044), (452, 31158), (487, 31257), (498, 31281),

Gene: Houdini22_33 Start: 26641, Stop: 25127, Start Num: 106
Candidate Starts for Houdini22_33:
(Start: 83 @26683 has 1 MA's), (Start: 100 @26650 has 39 MA's), (Start: 106 @26641 has 100 MA's), (139, 26479), (Start: 151 @26413 has 1 MA's), (156, 26395), (174, 26320), (180, 26296), (191, 26257), (192, 26254), (212, 26167), (241, 26053), (243, 26041), (287, 25858), (313, 25747), (329, 25696), (369, 25567), (372, 25558), (393, 25483), (395, 25477), (422, 25354), (431, 25315), (476, 25165), (481, 25150),

Gene: HuhtaEnerson15_30 Start: 25723, Stop: 24284, Start Num: 123
Candidate Starts for HuhtaEnerson15_30:
(Start: 109 @25777 has 197 MA's), (Start: 118 @25744 has 1 MA's), (Start: 119 @25741 has 3 MA's), (Start: 123 @25723 has 4 MA's), (Start: 138 @25642 has 1 MA's), (168, 25498), (178, 25471), (192, 25423), (236, 25258), (241, 25234), (242, 25231), (245, 25210), (296, 25021), (331, 24880), (343, 24850), (390, 24673), (393, 24661), (413, 24577), (417, 24562), (421, 24547), (460, 24370), (477, 24340), (488, 24307),

Gene: IAmGroot_57 Start: 37709, Stop: 39130, Start Num: 96
Candidate Starts for IAmGroot_57:
(Start: 96 @37709 has 2 MA's), (192, 38069), (242, 38261), (243, 38270), (279, 38375), (346, 38609), (358, 38648), (411, 38849), (418, 38873), (423, 38894), (455, 39020), (486, 39107),

Gene: ICleared_33 Start: 26628, Stop: 25132, Start Num: 109
Candidate Starts for ICleared_33:
(Start: 73 @26694 has 8 MA's), (Start: 109 @26628 has 197 MA's), (Start: 115 @26610 has 3 MA's), (127, 26556), (136, 26505), (Start: 138 @26493 has 1 MA's), (161, 26367), (169, 26346), (181, 26316), (191, 26277), (199, 26238), (225, 26148), (241, 26088), (254, 26034), (288, 25896), (354, 25665), (376, 25575), (385, 25539), (393, 25512), (404, 25458), (406, 25449), (453, 25239), (460, 25221), (466, 25209), (471, 25200),

Gene: ILeeKay_39 Start: 29491, Stop: 31056, Start Num: 70
Candidate Starts for ILeeKay_39:
(Start: 60 @29476 has 24 MA's), (Start: 64 @29482 has 2 MA's), (Start: 69 @29488 has 9 MA's), (Start: 70 @29491 has 7 MA's), (Start: 77 @29506 has 2 MA's), (Start: 109 @29557 has 197 MA's), (Start: 111 @29566 has 2 MA's), (Start: 114 @29572 has 7 MA's), (116, 29581), (Start: 151 @29776 has 1 MA's), (Start: 153 @29782 has 1 MA's), (Start: 195 @29932 has 1 MA's), (197, 29941), (198, 29950), (229, 30058), (236, 30079), (238, 30091), (243, 30115), (253, 30157), (285, 30286), (300, 30346), (314, 30403), (324, 30430), (331, 30457), (339, 30472), (371, 30571), (382, 30610), (402, 30691), (405, 30706), (429, 30811), (452, 30925), (487, 31024), (498, 31048),

Gene: Iceman_34 Start: 26926, Stop: 25412, Start Num: 106
Candidate Starts for Iceman_34:
(Start: 83 @26968 has 1 MA's), (Start: 100 @26935 has 39 MA's), (Start: 106 @26926 has 100 MA's), (139, 26764), (Start: 151 @26698 has 1 MA's), (156, 26680), (174, 26605), (180, 26581), (191, 26542), (192, 26539), (212, 26452), (243, 26326), (287, 26143), (313, 26032), (329, 25981), (369, 25852), (372, 25843), (393, 25768), (395, 25762), (422, 25639), (431, 25600), (476, 25450), (481, 25435),

Gene: Ichabod_38 Start: 29525, Stop: 31093, Start Num: 70
Candidate Starts for Ichabod_38:
(Start: 60 @29510 has 24 MA's), (Start: 64 @29516 has 2 MA's), (Start: 69 @29522 has 9 MA's), (Start: 70 @29525 has 7 MA's), (Start: 77 @29540 has 2 MA's), (Start: 109 @29591 has 197 MA's), (Start: 132 @29699 has 1 MA's), (Start: 151 @29810 has 1 MA's), (Start: 153 @29816 has 1 MA's), (157, 29837), (Start: 195 @29966 has 1 MA's), (197, 29975), (198, 29984), (229, 30092), (236,

30113), (238, 30125), (243, 30149), (285, 30320), (300, 30380), (314, 30437), (324, 30464), (331, 30491), (339, 30506), (360, 30575), (371, 30608), (373, 30614), (382, 30647), (402, 30728), (405, 30743), (429, 30848), (452, 30962), (487, 31061), (498, 31085),

Gene: IgnatiusPatJac_36 Start: 29287, Stop: 30789, Start Num: 109
Candidate Starts for IgnatiusPatJac_36:
(18, 29050), (20, 29053), (23, 29068), (35, 29131), (Start: 60 @29206 has 24 MA's), (Start: 64 @29212 has 2 MA's), (Start: 69 @29218 has 9 MA's), (Start: 70 @29221 has 7 MA's), (Start: 77 @29236 has 2 MA's), (Start: 109 @29287 has 197 MA's), (Start: 114 @29302 has 7 MA's), (116, 29311), (Start: 153 @29512 has 1 MA's), (156, 29524), (157, 29533), (Start: 195 @29662 has 1 MA's), (197, 29671), (198, 29680), (229, 29788), (236, 29809), (238, 29821), (243, 29845), (253, 29887), (285, 30016), (300, 30076), (314, 30133), (331, 30187), (332, 30190), (339, 30202), (360, 30271), (373, 30310), (382, 30343), (402, 30424), (405, 30439), (429, 30544), (452, 30658), (456, 30670), (487, 30757), (498, 30781),

Gene: Iracema64_34 Start: 26931, Stop: 25453, Start Num: 115
Candidate Starts for Iracema64_34:
(Start: 73 @27015 has 8 MA's), (Start: 109 @26949 has 197 MA's), (Start: 115 @26931 has 3 MA's), (128, 26874), (130, 26856), (136, 26826), (Start: 138 @26814 has 1 MA's), (161, 26688), (169, 26667), (181, 26637), (191, 26598), (199, 26559), (225, 26469), (241, 26409), (254, 26355), (288, 26217), (354, 25986), (376, 25896), (385, 25860), (393, 25833), (404, 25779), (406, 25770), (453, 25560), (460, 25542), (466, 25530), (471, 25521),

Gene: Iter_51 Start: 35996, Stop: 37411, Start Num: 109
Candidate Starts for Iter_51:
(Start: 109 @35996 has 197 MA's), (Start: 115 @36014 has 3 MA's), (133, 36110), (Start: 138 @36134 has 1 MA's), (Start: 153 @36218 has 1 MA's), (165, 36269), (189, 36329), (192, 36341), (198, 36371), (220, 36449), (243, 36542), (253, 36581), (391, 37064), (394, 37076), (438, 37247),

Gene: IttyBittyPiggy_49 Start: 34701, Stop: 36119, Start Num: 100
Candidate Starts for IttyBittyPiggy_49:
(92, 34683), (Start: 99 @34698 has 4 MA's), (Start: 100 @34701 has 39 MA's), (Start: 109 @34710 has 197 MA's), (Start: 153 @34932 has 1 MA's), (189, 35043), (192, 35055), (194, 35064), (215, 35142), (220, 35163), (231, 35205), (243, 35256), (245, 35268), (260, 35322), (385, 35757), (391, 35775), (394, 35787),

Gene: Itza_50 Start: 33245, Stop: 34663, Start Num: 112
Candidate Starts for Itza_50:
(52, 33131), (57, 33137), (Start: 102 @33224 has 1 MA's), (Start: 112 @33245 has 3 MA's), (184, 33557), (194, 33611), (Start: 195 @33614 has 1 MA's), (203, 33659), (207, 33674), (230, 33740), (254, 33824), (264, 33857), (288, 33929), (295, 33947), (305, 34001), (339, 34082), (346, 34106), (349, 34112), (361, 34163), (369, 34196), (389, 34265), (398, 34310), (419, 34391), (426, 34424), (427, 34427), (489, 34646),

Gene: JC27_38 Start: 29870, Stop: 31372, Start Num: 109
Candidate Starts for JC27_38:
(Start: 60 @29789 has 24 MA's), (Start: 64 @29795 has 2 MA's), (Start: 69 @29801 has 9 MA's), (Start: 70 @29804 has 7 MA's), (Start: 77 @29819 has 2 MA's), (Start: 109 @29870 has 197 MA's), (Start: 151 @30089 has 1 MA's), (Start: 153 @30095 has 1 MA's), (Start: 195 @30245 has 1 MA's), (197, 30254), (198, 30263), (229, 30371), (236, 30392), (238, 30404), (243, 30428), (253, 30470), (285, 30599), (300, 30659), (314, 30716), (324, 30743), (331, 30770), (339, 30785), (360, 30854), (373, 30893), (382, 30926), (402, 31007), (405, 31022), (452, 31241), (487, 31340), (498, 31364),

Gene: Jabiru_31 Start: 25464, Stop: 23983, Start Num: 109
Candidate Starts for Jabiru_31:
(90, 25491), (Start: 109 @25464 has 197 MA's), (Start: 119 @25428 has 3 MA's), (Start: 138 @25329 has 1 MA's), (143, 25293), (Start: 153 @25245 has 1 MA's), (161, 25203), (170, 25179), (181, 25152), (191, 25113), (197, 25089), (199, 25074), (236, 24945), (306, 24651), (311, 24633), (322, 24606), (329, 24576), (339, 24552), (343, 24537), (361, 24477), (376, 24426), (377, 24417), (393, 24363), (400, 24330), (417, 24264), (431, 24201), (460, 24072), (493, 23994),

Gene: JackSparrow_38 Start: 29845, Stop: 31416, Start Num: 69
Candidate Starts for JackSparrow_38:
(Start: 60 @29833 has 24 MA's), (Start: 64 @29839 has 2 MA's), (Start: 69 @29845 has 9 MA's), (Start: 70 @29848 has 7 MA's), (Start: 77 @29863 has 2 MA's), (Start: 109 @29914 has 197 MA's), (116, 29938), (Start: 151 @30133 has 1 MA's), (Start: 153 @30139 has 1 MA's), (Start: 195 @30289 has 1 MA's), (197, 30298), (198, 30307), (229, 30415), (236, 30436), (238, 30448), (243, 30472), (253, 30514), (285, 30643), (300, 30703), (314, 30760), (324, 30787), (331, 30814), (339, 30829), (360, 30898), (373, 30937), (382, 30970), (402, 31051), (405, 31066), (429, 31171), (452, 31285), (487, 31384), (498, 31408),

Gene: Janeemi_52 Start: 36965, Stop: 38386, Start Num: 100
Candidate Starts for Janeemi_52:
(75, 36914), (92, 36947), (Start: 99 @36962 has 4 MA's), (Start: 100 @36965 has 39 MA's), (Start: 109 @36974 has 197 MA's), (137, 37106), (Start: 138 @37112 has 1 MA's), (Start: 153 @37196 has 1 MA's), (164, 37244), (189, 37307), (192, 37319), (194, 37328), (220, 37427), (243, 37520), (253, 37559), (301, 37718), (304, 37739), (391, 38042), (394, 38054), (438, 38225), (463, 38312),

Gene: Jasper_38 Start: 29239, Stop: 30741, Start Num: 109
Candidate Starts for Jasper_38:
(Start: 60 @29158 has 24 MA's), (Start: 64 @29164 has 2 MA's), (Start: 69 @29170 has 9 MA's), (Start: 70 @29173 has 7 MA's), (Start: 77 @29188 has 2 MA's), (Start: 109 @29239 has 197 MA's), (Start: 114 @29254 has 7 MA's), (134, 29356), (Start: 138 @29374 has 1 MA's), (139, 29386), (Start: 151 @29458 has 1 MA's), (Start: 153 @29464 has 1 MA's), (156, 29476), (157, 29485), (192, 29602), (Start: 195 @29614 has 1 MA's), (197, 29623), (198, 29632), (224, 29728), (229, 29740), (236, 29761), (238, 29773), (243, 29797), (253, 29839), (285, 29968), (300, 30028), (314, 30085), (331, 30139), (339, 30154), (371, 30256), (373, 30262), (382, 30295), (383, 30298), (393, 30334), (399, 30361), (405, 30391), (452, 30610), (487, 30709), (498, 30733),

Gene: Jaykayelowell_33 Start: 26633, Stop: 25119, Start Num: 106
Candidate Starts for Jaykayelowell_33:
(Start: 83 @26675 has 1 MA's), (Start: 100 @26642 has 39 MA's), (Start: 106 @26633 has 100 MA's), (139, 26471), (Start: 151 @26405 has 1 MA's), (156, 26387), (174, 26312), (180, 26288), (191, 26249), (192, 26246), (212, 26159), (241, 26045), (243, 26033), (287, 25850), (313, 25739), (329, 25688), (369, 25559), (372, 25550), (378, 25526), (393, 25475), (395, 25469), (422, 25346), (431, 25307), (476, 25157), (481, 25142),

Gene: Jerm2_38 Start: 29575, Stop: 31077, Start Num: 109
Candidate Starts for Jerm2_38:
(Start: 60 @29494 has 24 MA's), (Start: 64 @29500 has 2 MA's), (Start: 69 @29506 has 9 MA's), (Start: 70 @29509 has 7 MA's), (Start: 77 @29524 has 2 MA's), (Start: 109 @29575 has 197 MA's), (Start: 114 @29590 has 7 MA's), (Start: 153 @29800 has 1 MA's), (156, 29812), (157, 29821), (166, 29854), (Start: 195 @29950 has 1 MA's), (197, 29959), (198, 29968), (229, 30076), (236, 30097), (238, 30109), (243, 30133), (253, 30175), (285, 30304), (300, 30364), (314, 30421), (324, 30448), (331, 30475), (332, 30478), (339, 30490), (360, 30559), (371, 30592), (373, 30598), (382, 30631), (402, 30712), (405, 30727), (429, 30832), (452, 30946), (487, 31045), (498, 31069),

Gene: Jester_29 Start: 23572, Stop: 22076, Start Num: 95
Candidate Starts for Jester_29:
(Start: 95 @23572 has 33 MA's), (Start: 109 @23551 has 197 MA's), (Start: 110 @23545 has 3 MA's), (Start: 138 @23416 has 1 MA's), (147, 23368), (165, 23281), (197, 23176), (226, 23065), (242, 23005), (244, 22993), (258, 22930), (270, 22900), (275, 22867), (281, 22846), (288, 22816), (296, 22795), (302, 22750), (303, 22747), (304, 22741), (329, 22657), (343, 22618), (345, 22612), (384, 22483), (391, 22462), (393, 22453), (431, 22291),

Gene: JetBlade_33 Start: 26634, Stop: 25120, Start Num: 106
Candidate Starts for JetBlade_33:
(Start: 83 @26676 has 1 MA's), (Start: 100 @26643 has 39 MA's), (Start: 106 @26634 has 100 MA's), (139, 26472), (Start: 151 @26406 has 1 MA's), (156, 26388), (174, 26313), (180, 26289), (191, 26250), (192, 26247), (212, 26160), (241, 26046), (243, 26034), (287, 25851), (313, 25740), (329, 25689), (369, 25560), (372, 25551), (393, 25476), (395, 25470), (422, 25347), (431, 25308), (476, 25158), (481, 25143),

Gene: Joemato_52 Start: 35315, Stop: 36736, Start Num: 99
Candidate Starts for Joemato_52:
(92, 35300), (Start: 99 @35315 has 4 MA's), (Start: 100 @35318 has 39 MA's), (Start: 109 @35327 has 197 MA's), (133, 35441), (Start: 138 @35465 has 1 MA's), (Start: 153 @35549 has 1 MA's), (189, 35660), (192, 35672), (194, 35681), (220, 35780), (243, 35873), (245, 35885), (253, 35912), (288, 36017), (301, 36071), (391, 36392), (394, 36404), (402, 36437), (438, 36575),

Gene: JohnDoe_50 Start: 35314, Stop: 36732, Start Num: 100
Candidate Starts for JohnDoe_50:
(92, 35296), (Start: 99 @35311 has 4 MA's), (Start: 100 @35314 has 39 MA's), (Start: 109 @35323 has 197 MA's), (133, 35437), (Start: 153 @35545 has 1 MA's), (189, 35656), (192, 35668), (194, 35677), (220, 35776), (243, 35869), (253, 35908), (301, 36067), (391, 36388), (394, 36400), (402, 36433), (438, 36571),

Gene: JoongJeon_33 Start: 26637, Stop: 25123, Start Num: 106
Candidate Starts for JoongJeon_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Jorgensen_37 Start: 29286, Stop: 30788, Start Num: 109
Candidate Starts for Jorgensen_37:
(Start: 60 @29205 has 24 MA's), (Start: 64 @29211 has 2 MA's), (Start: 69 @29217 has 9 MA's), (Start: 70 @29220 has 7 MA's), (Start: 77 @29235 has 2 MA's), (Start: 109 @29286 has 197 MA's), (Start: 114 @29301 has 7 MA's), (Start: 153 @29511 has 1 MA's), (157, 29532), (Start: 195 @29661 has 1 MA's), (197, 29670), (198, 29679), (229, 29787), (236, 29808), (238, 29820), (243, 29844), (253, 29886), (285, 30015), (300, 30075), (314, 30132), (324, 30159), (331, 30186), (332, 30189), (339, 30201), (371, 30303), (373, 30309), (382, 30342), (393, 30381), (402, 30423), (405, 30438), (452, 30657), (487, 30756), (498, 30780),

Gene: Jovo_30 Start: 25967, Stop: 24474, Start Num: 109
Candidate Starts for Jovo_30:
(Start: 109 @25967 has 197 MA's), (Start: 118 @25934 has 1 MA's), (Start: 119 @25931 has 3 MA's), (Start: 123 @25913 has 4 MA's), (Start: 138 @25832 has 1 MA's), (168, 25688), (178, 25661), (192,

25613), (236, 25448), (241, 25424), (242, 25421), (245, 25400), (296, 25211), (343, 25040), (377, 24905), (390, 24863), (393, 24851), (413, 24767), (417, 24752), (421, 24737), (460, 24560), (477, 24530), (488, 24497),

Gene: Jstan_50 Start: 35963, Stop: 37384, Start Num: 100
Candidate Starts for Jstan_50:
(92, 35945), (Start: 99 @35960 has 4 MA's), (Start: 100 @35963 has 39 MA's), (Start: 109 @35972 has 197 MA's), (133, 36086), (Start: 138 @36110 has 1 MA's), (Start: 153 @36194 has 1 MA's), (159, 36227), (164, 36242), (189, 36305), (192, 36317), (194, 36326), (220, 36425), (231, 36467), (243, 36518), (253, 36557), (282, 36635), (288, 36662), (301, 36716), (385, 37022), (388, 37031), (391, 37040), (394, 37052), (438, 37223), (463, 37310),

Gene: JuliaChild_39 Start: 30024, Stop: 31526, Start Num: 109
Candidate Starts for JuliaChild_39:
(Start: 60 @29943 has 24 MA's), (Start: 64 @29949 has 2 MA's), (Start: 69 @29955 has 9 MA's), (Start: 70 @29958 has 7 MA's), (Start: 77 @29973 has 2 MA's), (Start: 109 @30024 has 197 MA's), (Start: 114 @30039 has 7 MA's), (Start: 151 @30243 has 1 MA's), (Start: 153 @30249 has 1 MA's), (157, 30270), (166, 30303), (Start: 195 @30399 has 1 MA's), (197, 30408), (198, 30417), (227, 30519), (229, 30525), (236, 30546), (238, 30558), (243, 30582), (253, 30624), (285, 30753), (300, 30813), (314, 30870), (324, 30897), (331, 30924), (332, 30927), (339, 30939), (371, 31041), (373, 31047), (382, 31080), (383, 31083), (402, 31161), (405, 31176), (410, 31191), (429, 31281), (452, 31395), (487, 31494), (498, 31518),

Gene: JuneStar_51 Start: 38077, Stop: 39495, Start Num: 100
Candidate Starts for JuneStar_51:
(92, 38059), (Start: 99 @38074 has 4 MA's), (Start: 100 @38077 has 39 MA's), (Start: 109 @38086 has 197 MA's), (Start: 138 @38224 has 1 MA's), (Start: 153 @38308 has 1 MA's), (189, 38419), (192, 38431), (194, 38440), (220, 38539), (231, 38581), (243, 38632), (253, 38671), (369, 39076), (385, 39133), (391, 39151), (394, 39163), (439, 39337),

Gene: KADY_37 Start: 27309, Stop: 25741, Start Num: 106
Candidate Starts for KADY_37:
(37, 27459), (40, 27444), (87, 27345), (Start: 106 @27309 has 100 MA's), (157, 27054), (163, 27030), (177, 26970), (191, 26922), (192, 26919), (212, 26832), (217, 26820), (221, 26799), (226, 26775), (243, 26706), (261, 26637), (265, 26628), (287, 26523), (296, 26478), (329, 26346), (356, 26262), (371, 26205), (422, 25998), (452, 25857),

Gene: KBG_38 Start: 30500, Stop: 31999, Start Num: 109
Candidate Starts for KBG_38:
(Start: 60 @30419 has 24 MA's), (Start: 64 @30425 has 2 MA's), (Start: 69 @30431 has 9 MA's), (Start: 70 @30434 has 7 MA's), (Start: 77 @30449 has 2 MA's), (Start: 109 @30500 has 197 MA's), (126, 30566), (Start: 132 @30608 has 1 MA's), (Start: 151 @30719 has 1 MA's), (Start: 153 @30725 has 1 MA's), (157, 30746), (Start: 195 @30875 has 1 MA's), (197, 30884), (198, 30893), (199, 30899), (229, 31001), (236, 31022), (238, 31034), (243, 31058), (253, 31100), (285, 31229), (300, 31289), (314, 31346), (324, 31373), (331, 31400), (332, 31403), (339, 31415), (371, 31514), (382, 31553), (383, 31556), (402, 31634), (405, 31649), (452, 31868), (487, 31967), (498, 31991),

Gene: KFPoly_33 Start: 26634, Stop: 25120, Start Num: 106
Candidate Starts for KFPoly_33:
(Start: 83 @26676 has 1 MA's), (Start: 100 @26643 has 39 MA's), (Start: 106 @26634 has 100 MA's), (139, 26472), (Start: 151 @26406 has 1 MA's), (156, 26388), (174, 26313), (180, 26289), (191, 26250), (192, 26247), (212, 26160), (241, 26046), (243, 26034), (287, 25851), (313, 25740), (329, 25689), (369, 25560), (372, 25551), (393, 25476), (395, 25470), (422, 25347), (431, 25308), (476,

25158), (481, 25143),

Gene: KSSJEB_37 Start: 29202, Stop: 30704, Start Num: 109
Candidate Starts for KSSJEB_37:
(Start: 60 @29121 has 24 MA's), (Start: 64 @29127 has 2 MA's), (Start: 69 @29133 has 9 MA's), (Start: 70 @29136 has 7 MA's), (Start: 77 @29151 has 2 MA's), (Start: 109 @29202 has 197 MA's), (134, 29319), (Start: 151 @29421 has 1 MA's), (Start: 153 @29427 has 1 MA's), (157, 29448), (192, 29565), (Start: 195 @29577 has 1 MA's), (197, 29586), (198, 29595), (229, 29703), (238, 29736), (279, 29904), (285, 29931), (300, 29991), (314, 30048), (324, 30075), (331, 30102), (339, 30117), (360, 30186), (373, 30225), (382, 30258), (399, 30324), (405, 30354), (420, 30417), (429, 30459), (452, 30573), (487, 30672), (498, 30696),

Gene: Kanely_38 Start: 30151, Stop: 31650, Start Num: 114
Candidate Starts for Kanely_38:
(Start: 53 @30046 has 1 MA's), (Start: 79 @30091 has 3 MA's), (Start: 109 @30136 has 197 MA's), (Start: 114 @30151 has 7 MA's), (Start: 132 @30244 has 1 MA's), (Start: 151 @30355 has 1 MA's), (Start: 153 @30361 has 1 MA's), (157, 30382), (Start: 195 @30511 has 1 MA's), (197, 30520), (198, 30529), (229, 30637), (236, 30658), (238, 30670), (243, 30694), (253, 30736), (285, 30865), (300, 30925), (314, 30982), (324, 31009), (331, 31036), (332, 31039), (339, 31051), (360, 31120), (371, 31153), (373, 31159), (382, 31192), (402, 31273), (405, 31288), (429, 31393), (452, 31507),

Gene: Katalie_50 Start: 36352, Stop: 37929, Start Num: 42
Candidate Starts for Katalie_50:
(Start: 31 @36286 has 7 MA's), (Start: 41 @36343 has 5 MA's), (Start: 42 @36352 has 21 MA's), (Start: 115 @36472 has 3 MA's), (Start: 138 @36589 has 1 MA's), (147, 36640), (164, 36721), (165, 36724), (189, 36796), (191, 36805), (192, 36808), (232, 36961), (236, 36970), (246, 37018), (249, 37030), (255, 37054), (279, 37123), (280, 37126), (312, 37258), (337, 37324), (346, 37354), (371, 37453), (376, 37468), (377, 37477), (380, 37486), (387, 37510), (403, 37582), (448, 37771), (461, 37810), (466, 37825), (469, 37834), (474, 37849),

Gene: Katalie136_33 Start: 26647, Stop: 25133, Start Num: 106
Candidate Starts for Katalie136_33:
(Start: 83 @26689 has 1 MA's), (Start: 100 @26656 has 39 MA's), (Start: 106 @26647 has 100 MA's), (139, 26485), (Start: 151 @26419 has 1 MA's), (156, 26401), (174, 26326), (191, 26263), (192, 26260), (212, 26173), (243, 26047), (287, 25864), (300, 25807), (313, 25753), (329, 25702), (369, 25573), (372, 25564), (393, 25489), (395, 25483), (421, 25369), (422, 25360), (431, 25321), (476, 25171), (481, 25156),

Gene: Kaylissa_51 Start: 35709, Stop: 37127, Start Num: 100
Candidate Starts for Kaylissa_51:
(92, 35691), (Start: 99 @35706 has 4 MA's), (Start: 100 @35709 has 39 MA's), (Start: 109 @35718 has 197 MA's), (133, 35832), (Start: 138 @35856 has 1 MA's), (Start: 153 @35940 has 1 MA's), (189, 36051), (192, 36063), (194, 36072), (220, 36171), (243, 36264), (245, 36276), (253, 36303), (288, 36408), (301, 36462), (391, 36783), (394, 36795), (402, 36828), (438, 36966),

Gene: KeAlii_47 Start: 34815, Stop: 36296, Start Num: 99
Candidate Starts for KeAlii_47:
(Start: 99 @34815 has 4 MA's), (Start: 151 @35031 has 1 MA's), (183, 35142), (234, 35355), (411, 36024), (439, 36132), (444, 36174), (466, 36228),

Gene: Kenmech_40 Start: 30663, Stop: 32255, Start Num: 60
Candidate Starts for Kenmech_40:

(Start: 60 @30663 has 24 MA's), (Start: 64 @30669 has 2 MA's), (Start: 69 @30675 has 9 MA's), (Start: 70 @30678 has 7 MA's), (Start: 77 @30693 has 2 MA's), (Start: 109 @30744 has 197 MA's), (Start: 114 @30759 has 7 MA's), (Start: 151 @30963 has 1 MA's), (Start: 153 @30969 has 1 MA's), (Start: 195 @31119 has 1 MA's), (197, 31128), (198, 31137), (229, 31245), (236, 31266), (238, 31278), (243, 31302), (253, 31344), (282, 31458), (285, 31473), (300, 31533), (314, 31590), (324, 31617), (331, 31644), (339, 31659), (382, 31797), (393, 31836), (402, 31878), (405, 31893), (452, 32112),

Gene: Killigrew_35 Start: 28933, Stop: 30432, Start Num: 114
Candidate Starts for Killigrew_35:
(Start: 60 @28837 has 24 MA's), (Start: 64 @28843 has 2 MA's), (Start: 69 @28849 has 9 MA's), (Start: 70 @28852 has 7 MA's), (Start: 77 @28867 has 2 MA's), (Start: 109 @28918 has 197 MA's), (Start: 114 @28933 has 7 MA's), (Start: 132 @29026 has 1 MA's), (Start: 151 @29137 has 1 MA's), (Start: 153 @29143 has 1 MA's), (157, 29164), (Start: 195 @29293 has 1 MA's), (197, 29302), (198, 29311), (199, 29317), (224, 29407), (229, 29419), (238, 29452), (285, 29647), (300, 29707), (314, 29764), (324, 29791), (331, 29818), (339, 29833), (371, 29935), (373, 29941), (382, 29974), (383, 29977), (402, 30055), (405, 30070), (452, 30289),

Gene: Kingmustik0402_33 Start: 26629, Stop: 25115, Start Num: 106
Candidate Starts for Kingmustik0402_33:
(Start: 83 @26671 has 1 MA's), (Start: 100 @26638 has 39 MA's), (Start: 106 @26629 has 100 MA's), (139, 26467), (Start: 151 @26401 has 1 MA's), (156, 26383), (174, 26308), (180, 26284), (191, 26245), (192, 26242), (212, 26155), (243, 26029), (287, 25846), (313, 25735), (329, 25684), (369, 25555), (372, 25546), (393, 25471), (395, 25465), (422, 25342), (431, 25303), (476, 25153), (481, 25138),

Gene: KittenMittens_32 Start: 23842, Stop: 25497, Start Num: 100
Candidate Starts for KittenMittens_32:
(78, 23803), (Start: 100 @23842 has 39 MA's), (Start: 108 @23851 has 2 MA's), (Start: 111 @23869 has 2 MA's), (Start: 118 @23893 has 1 MA's), (Start: 132 @23968 has 1 MA's), (134, 23977), (Start: 138 @23995 has 1 MA's), (Start: 151 @24079 has 1 MA's), (159, 24118), (191, 24220), (197, 24244), (198, 24253), (224, 24349), (236, 24385), (244, 24424), (245, 24433), (246, 24436), (276, 24553), (282, 24574), (285, 24589), (288, 24601), (299, 24649), (310, 24694), (331, 24766), (342, 24790), (373, 24910), (377, 24928), (378, 24931), (379, 24934), (414, 25069), (452, 25258), (486, 25351), (498, 25381), (501, 25405), (504, 25453), (505, 25471),

Gene: Koreni_32 Start: 26343, Stop: 24781, Start Num: 73
Candidate Starts for Koreni_32:
(Start: 73 @26343 has 8 MA's), (Start: 109 @26277 has 197 MA's), (Start: 115 @26259 has 3 MA's), (127, 26205), (136, 26154), (Start: 138 @26142 has 1 MA's), (161, 26016), (169, 25995), (181, 25965), (191, 25926), (199, 25887), (225, 25797), (241, 25737), (254, 25683), (288, 25545), (354, 25314), (376, 25224), (385, 25188), (393, 25161), (404, 25107), (406, 25098), (453, 24888), (460, 24870), (466, 24858), (471, 24849),

Gene: Kratark_33 Start: 26699, Stop: 25137, Start Num: 73
Candidate Starts for Kratark_33:
(Start: 46 @26747 has 1 MA's), (Start: 73 @26699 has 8 MA's), (Start: 105 @26642 has 1 MA's), (Start: 109 @26633 has 197 MA's), (Start: 115 @26615 has 3 MA's), (128, 26558), (130, 26540), (136, 26510), (Start: 138 @26498 has 1 MA's), (161, 26372), (169, 26351), (181, 26321), (191, 26282), (241, 26093), (248, 26057), (254, 26039), (288, 25901), (299, 25856), (354, 25670), (385, 25544), (393, 25517), (404, 25463), (406, 25454), (453, 25244), (460, 25226), (466, 25214), (471, 25205),

Gene: Kremtemulon_32 Start: 26665, Stop: 25187, Start Num: 115

Candidate Starts for Kremtemulon_32:
(Start: 73 @26749 has 8 MA's), (Start: 109 @26683 has 197 MA's), (Start: 115 @26665 has 3 MA's), (128, 26608), (130, 26590), (136, 26560), (Start: 138 @26548 has 1 MA's), (161, 26422), (169, 26401), (181, 26371), (191, 26332), (199, 26293), (225, 26203), (241, 26143), (254, 26089), (288, 25951), (333, 25783), (354, 25720), (376, 25630), (385, 25594), (393, 25567), (404, 25513), (406, 25504), (453, 25294), (460, 25276), (466, 25264), (471, 25255),

Gene: Krishelle_29 Start: 23947, Stop: 22448, Start Num: 95
Candidate Starts for Krishelle_29:
(Start: 95 @23947 has 33 MA's), (Start: 109 @23926 has 197 MA's), (Start: 110 @23920 has 3 MA's), (128, 23851), (Start: 138 @23791 has 1 MA's), (165, 23653), (166, 23650), (172, 23623), (191, 23572), (216, 23482), (239, 23386), (243, 23371), (245, 23359), (256, 23320), (276, 23239), (280, 23227), (290, 23188), (296, 23170), (310, 23101), (319, 23074), (323, 23062), (329, 23038), (331, 23029), (343, 22999), (348, 22981), (357, 22960), (362, 22939), (375, 22906), (377, 22894), (404, 22786), (430, 22681), (442, 22621), (450, 22582), (451, 22579), (458, 22555), (460, 22549),

Gene: Kristoff_35 Start: 27044, Stop: 25536, Start Num: 109
Candidate Starts for Kristoff_35:
(Start: 109 @27044 has 197 MA's), (Start: 110 @27038 has 3 MA's), (Start: 115 @27026 has 3 MA's), (116, 27020), (133, 26933), (Start: 138 @26909 has 1 MA's), (176, 26744), (224, 26567), (236, 26528), (238, 26516), (241, 26504), (242, 26501), (244, 26489), (299, 26243), (303, 26222), (350, 26072), (378, 25979), (385, 25955), (390, 25940), (403, 25883), (408, 25862), (463, 25628),

Gene: Kugel_38 Start: 29732, Stop: 31234, Start Num: 109
Candidate Starts for Kugel_38:
(Start: 60 @29651 has 24 MA's), (Start: 64 @29657 has 2 MA's), (Start: 69 @29663 has 9 MA's), (Start: 70 @29666 has 7 MA's), (Start: 77 @29681 has 2 MA's), (Start: 109 @29732 has 197 MA's), (Start: 151 @29951 has 1 MA's), (Start: 153 @29957 has 1 MA's), (157, 29978), (192, 30095), (Start: 195 @30107 has 1 MA's), (197, 30116), (198, 30125), (229, 30233), (236, 30254), (238, 30266), (243, 30290), (253, 30332), (285, 30461), (300, 30521), (314, 30578), (331, 30632), (339, 30647), (373, 30755), (382, 30788), (402, 30869), (405, 30884), (429, 30989), (452, 31103), (456, 31115), (487, 31202), (498, 31226),

Gene: KyMonks1A_40 Start: 29951, Stop: 31453, Start Num: 109
Candidate Starts for KyMonks1A_40:
(Start: 60 @29870 has 24 MA's), (Start: 64 @29876 has 2 MA's), (Start: 69 @29882 has 9 MA's), (Start: 70 @29885 has 7 MA's), (Start: 77 @29900 has 2 MA's), (Start: 109 @29951 has 197 MA's), (Start: 151 @30170 has 1 MA's), (Start: 153 @30176 has 1 MA's), (157, 30197), (Start: 195 @30326 has 1 MA's), (197, 30335), (198, 30344), (229, 30452), (236, 30473), (238, 30485), (243, 30509), (253, 30551), (285, 30680), (300, 30740), (314, 30797), (324, 30824), (331, 30851), (339, 30866), (371, 30968), (373, 30974), (382, 31007), (402, 31088), (405, 31103), (452, 31322), (487, 31421), (498, 31445),

Gene: Kyee_33 Start: 26635, Stop: 25121, Start Num: 106
Candidate Starts for Kyee_33:
(Start: 83 @26677 has 1 MA's), (Start: 100 @26644 has 39 MA's), (Start: 106 @26635 has 100 MA's), (139, 26473), (Start: 151 @26407 has 1 MA's), (156, 26389), (174, 26314), (180, 26290), (191, 26251), (192, 26248), (212, 26161), (241, 26047), (243, 26035), (287, 25852), (313, 25741), (329, 25690), (369, 25561), (372, 25552), (393, 25477), (395, 25471), (422, 25348), (431, 25309), (476, 25159), (481, 25144),

Gene: Kykar_36 Start: 28846, Stop: 30429, Start Num: 60
Candidate Starts for Kykar_36:

(Start: 60 @28846 has 24 MA's), (Start: 64 @28852 has 2 MA's), (Start: 69 @28858 has 9 MA's), (Start: 70 @28861 has 7 MA's), (Start: 77 @28876 has 2 MA's), (Start: 109 @28927 has 197 MA's), (Start: 114 @28942 has 7 MA's), (Start: 151 @29146 has 1 MA's), (Start: 153 @29152 has 1 MA's), (157, 29173), (192, 29290), (Start: 195 @29302 has 1 MA's), (197, 29311), (198, 29320), (229, 29428), (236, 29449), (238, 29461), (243, 29485), (253, 29527), (285, 29656), (300, 29716), (314, 29773), (324, 29800), (331, 29827), (332, 29830), (339, 29842), (373, 29950), (382, 29983), (402, 30064), (405, 30079), (429, 30184), (452, 30298), (487, 30397), (498, 30421),

Gene: Lambert1_34 Start: 27244, Stop: 25721, Start Num: 101
Candidate Starts for Lambert1_34:
(Start: 101 @27244 has 3 MA's), (Start: 109 @27229 has 197 MA's), (Start: 110 @27223 has 3 MA's), (Start: 111 @27220 has 2 MA's), (146, 27052), (147, 27046), (176, 26929), (194, 26869), (224, 26752), (236, 26713), (242, 26686), (244, 26674), (271, 26539), (309, 26386), (338, 26296), (350, 26257), (377, 26167), (390, 26125), (393, 26113), (403, 26068), (408, 26047), (456, 25834), (463, 25813),

Gene: Lamina13_37 Start: 29040, Stop: 30542, Start Num: 109
Candidate Starts for Lamina13_37:
(Start: 60 @28959 has 24 MA's), (Start: 64 @28965 has 2 MA's), (Start: 69 @28971 has 9 MA's), (Start: 70 @28974 has 7 MA's), (Start: 77 @28989 has 2 MA's), (Start: 109 @29040 has 197 MA's), (Start: 114 @29055 has 7 MA's), (116, 29064), (Start: 153 @29265 has 1 MA's), (Start: 195 @29415 has 1 MA's), (197, 29424), (198, 29433), (224, 29529), (229, 29541), (236, 29562), (238, 29574), (243, 29598), (253, 29640), (285, 29769), (300, 29829), (314, 29886), (331, 29940), (339, 29955), (373, 30063), (382, 30096), (402, 30177), (405, 30192), (429, 30297), (452, 30411), (487, 30510), (498, 30534),

Gene: Lannister_51 Start: 35058, Stop: 36647, Start Num: 42
Candidate Starts for Lannister_51:
(29, 34986), (32, 34995), (33, 35001), (Start: 42 @35058 has 21 MA's), (86, 35130), (Start: 115 @35184 has 3 MA's), (131, 35268), (134, 35283), (141, 35316), (159, 35418), (165, 35436), (191, 35517), (192, 35520), (224, 35646), (232, 35673), (246, 35730), (249, 35742), (258, 35784), (260, 35787), (272, 35826), (280, 35844), (283, 35856), (346, 36072), (371, 36171), (377, 36195), (385, 36222), (397, 36267), (403, 36300), (445, 36480), (448, 36489), (461, 36528), (485, 36597), (492, 36615),

Gene: LappelDuVide_32 Start: 26636, Stop: 25122, Start Num: 106
Candidate Starts for LappelDuVide_32:
(Start: 83 @26678 has 1 MA's), (Start: 100 @26645 has 39 MA's), (Start: 106 @26636 has 100 MA's), (139, 26474), (Start: 151 @26408 has 1 MA's), (156, 26390), (174, 26315), (180, 26291), (191, 26252), (192, 26249), (212, 26162), (241, 26048), (243, 26036), (287, 25853), (313, 25742), (329, 25691), (369, 25562), (372, 25553), (393, 25478), (395, 25472), (422, 25349), (431, 25310), (476, 25160), (481, 25145),

Gene: LarryKay_36 Start: 27311, Stop: 25743, Start Num: 106
Candidate Starts for LarryKay_36:
(37, 27461), (40, 27446), (87, 27347), (Start: 106 @27311 has 100 MA's), (157, 27056), (163, 27032), (177, 26972), (191, 26924), (192, 26921), (212, 26834), (217, 26822), (221, 26801), (226, 26777), (243, 26708), (261, 26639), (265, 26630), (287, 26525), (296, 26480), (329, 26348), (356, 26264), (371, 26207), (422, 26000), (452, 25859),

Gene: Lego_49 Start: 35038, Stop: 36447, Start Num: 109
Candidate Starts for Lego_49:

(Start: 109 @35038 has 197 MA's), (133, 35152), (Start: 138 @35176 has 1 MA's), (Start: 153 @35260 has 1 MA's), (189, 35371), (192, 35383), (194, 35392), (220, 35491), (243, 35584), (245, 35596), (253, 35623), (301, 35782), (391, 36103), (394, 36115), (402, 36148), (438, 36286),

Gene: Lemur_33 Start: 26634, Stop: 25120, Start Num: 106
Candidate Starts for Lemur_33:
(Start: 83 @26676 has 1 MA's), (Start: 100 @26643 has 39 MA's), (Start: 106 @26634 has 100 MA's), (139, 26472), (Start: 151 @26406 has 1 MA's), (156, 26388), (174, 26313), (180, 26289), (191, 26250), (192, 26247), (212, 26160), (241, 26046), (243, 26034), (287, 25851), (313, 25740), (329, 25689), (369, 25560), (372, 25551), (393, 25476), (395, 25470), (422, 25347), (431, 25308), (476, 25158), (481, 25143),

Gene: Lesedi_36 Start: 29315, Stop: 30817, Start Num: 109
Candidate Starts for Lesedi_36:
(Start: 60 @29234 has 24 MA's), (Start: 64 @29240 has 2 MA's), (Start: 69 @29246 has 9 MA's), (Start: 70 @29249 has 7 MA's), (Start: 77 @29264 has 2 MA's), (Start: 109 @29315 has 197 MA's), (Start: 151 @29534 has 1 MA's), (Start: 153 @29540 has 1 MA's), (157, 29561), (Start: 195 @29690 has 1 MA's), (197, 29699), (198, 29708), (229, 29816), (236, 29837), (238, 29849), (243, 29873), (253, 29915), (285, 30044), (300, 30104), (314, 30161), (331, 30215), (339, 30230), (373, 30338), (382, 30371), (402, 30452), (405, 30467), (429, 30572), (452, 30686), (487, 30785), (498, 30809),

Gene: Lev2_30 Start: 25599, Stop: 24106, Start Num: 109
Candidate Starts for Lev2_30:
(Start: 109 @25599 has 197 MA's), (Start: 118 @25566 has 1 MA's), (Start: 119 @25563 has 3 MA's), (Start: 123 @25545 has 4 MA's), (Start: 138 @25464 has 1 MA's), (168, 25320), (178, 25293), (192, 25245), (236, 25080), (241, 25056), (242, 25053), (245, 25032), (296, 24843), (343, 24672), (377, 24537), (390, 24495), (393, 24483), (413, 24399), (417, 24384), (421, 24369), (460, 24192), (477, 24162), (488, 24129),

Gene: Licorice_39 Start: 30385, Stop: 31887, Start Num: 109
Candidate Starts for Licorice_39:
(Start: 60 @30304 has 24 MA's), (Start: 64 @30310 has 2 MA's), (Start: 69 @30316 has 9 MA's), (Start: 70 @30319 has 7 MA's), (Start: 77 @30334 has 2 MA's), (Start: 109 @30385 has 197 MA's), (Start: 153 @30610 has 1 MA's), (Start: 195 @30760 has 1 MA's), (197, 30769), (198, 30778), (229, 30886), (236, 30907), (238, 30919), (243, 30943), (253, 30985), (285, 31114), (300, 31174), (314, 31231), (324, 31258), (331, 31285), (339, 31300), (360, 31369), (373, 31408), (382, 31441), (402, 31522), (405, 31537), (452, 31756), (487, 31855), (498, 31879),

Gene: Liebe_51 Start: 37490, Stop: 38902, Start Num: 109
Candidate Starts for Liebe_51:
(Start: 109 @37490 has 197 MA's), (Start: 138 @37628 has 1 MA's), (165, 37763), (189, 37823), (192, 37835), (196, 37853), (203, 37892), (242, 38027), (243, 38036), (285, 38168), (288, 38180), (308, 38261), (369, 38471), (378, 38504), (391, 38546), (398, 38573), (402, 38591), (439, 38732), (454, 38795), (464, 38819), (492, 38897),

Gene: Lika_49 Start: 35118, Stop: 36695, Start Num: 42
Candidate Starts for Lika_49:
(Start: 31 @35052 has 7 MA's), (Start: 42 @35118 has 21 MA's), (Start: 115 @35238 has 3 MA's), (134, 35337), (Start: 138 @35355 has 1 MA's), (147, 35406), (164, 35487), (165, 35490), (189, 35562), (191, 35571), (192, 35574), (232, 35727), (246, 35784), (247, 35787), (249, 35796), (312, 36024), (337, 36090), (346, 36120), (371, 36219), (377, 36243), (380, 36252), (387, 36276), (403, 36348), (448, 36537), (461, 36576), (469, 36600), (474, 36615), (480, 36630),

Gene: LilBib_38 Start: 30191, Stop: 31678, Start Num: 114
Candidate Starts for LilBib_38:
(Start: 60 @30095 has 24 MA's), (Start: 64 @30101 has 2 MA's), (Start: 69 @30107 has 9 MA's), (Start: 70 @30110 has 7 MA's), (Start: 77 @30125 has 2 MA's), (Start: 109 @30176 has 197 MA's), (Start: 114 @30191 has 7 MA's), (Start: 151 @30395 has 1 MA's), (Start: 153 @30401 has 1 MA's), (156, 30413), (157, 30422), (Start: 195 @30551 has 1 MA's), (197, 30560), (198, 30569), (229, 30677), (238, 30710), (243, 30734), (253, 30776), (285, 30905), (300, 30965), (314, 31022), (324, 31049), (331, 31076), (339, 31091), (373, 31199), (382, 31232), (402, 31313), (405, 31328), (429, 31433), (452, 31547), (487, 31646), (498, 31670),

Gene: Lilbooboo_54 Start: 38473, Stop: 40032, Start Num: 117
Candidate Starts for Lilbooboo_54:
(Start: 76 @38377 has 1 MA's), (Start: 99 @38422 has 4 MA's), (104, 38431), (Start: 117 @38473 has 2 MA's), (152, 38659), (Start: 153 @38662 has 1 MA's), (159, 38695), (161, 38704), (172, 38743), (182, 38779), (190, 38809), (192, 38821), (203, 38878), (204, 38881), (210, 38899), (214, 38908), (289, 39235), (291, 39247), (296, 39265), (300, 39292), (310, 39337), (330, 39409), (331, 39415), (333, 39421), (340, 39445), (357, 39490), (371, 39544), (388, 39604), (408, 39688), (436, 39805), (450, 39877), (476, 39955), (480, 39967),

Gene: Lillie_29 Start: 23636, Stop: 22140, Start Num: 95
Candidate Starts for Lillie_29:
(Start: 95 @23636 has 33 MA's), (Start: 109 @23615 has 197 MA's), (Start: 110 @23609 has 3 MA's), (Start: 138 @23480 has 1 MA's), (147, 23432), (197, 23240), (226, 23129), (242, 23069), (244, 23057), (258, 22994), (270, 22964), (275, 22931), (281, 22910), (288, 22880), (293, 22865), (296, 22859), (303, 22811), (312, 22778), (329, 22721), (343, 22682), (345, 22676), (376, 22580), (384, 22547), (391, 22526), (393, 22517), (431, 22355),

Gene: LittleB_33 Start: 26638, Stop: 25124, Start Num: 106
Candidate Starts for LittleB_33:
(Start: 83 @26680 has 1 MA's), (Start: 100 @26647 has 39 MA's), (Start: 106 @26638 has 100 MA's), (139, 26476), (Start: 151 @26410 has 1 MA's), (156, 26392), (174, 26317), (180, 26293), (191, 26254), (192, 26251), (212, 26164), (241, 26050), (243, 26038), (287, 25855), (313, 25744), (329, 25693), (369, 25564), (372, 25555), (393, 25480), (395, 25474), (422, 25351), (431, 25312), (476, 25162), (481, 25147),

Gene: LittleCherry_30 Start: 25778, Stop: 24285, Start Num: 109
Candidate Starts for LittleCherry_30:
(Start: 109 @25778 has 197 MA's), (Start: 118 @25745 has 1 MA's), (Start: 119 @25742 has 3 MA's), (Start: 123 @25724 has 4 MA's), (Start: 138 @25643 has 1 MA's), (168, 25499), (178, 25472), (192, 25424), (236, 25259), (241, 25235), (242, 25232), (245, 25211), (296, 25022), (331, 24881), (343, 24851), (390, 24674), (393, 24662), (413, 24578), (417, 24563), (421, 24548), (460, 24371), (477, 24341), (488, 24308),

Gene: LittleGuy_33 Start: 26578, Stop: 25082, Start Num: 109
Candidate Starts for LittleGuy_33:
(Start: 73 @26644 has 8 MA's), (Start: 109 @26578 has 197 MA's), (Start: 115 @26560 has 3 MA's), (127, 26506), (136, 26455), (Start: 138 @26443 has 1 MA's), (161, 26317), (169, 26296), (181, 26266), (191, 26227), (199, 26188), (225, 26098), (241, 26038), (254, 25984), (288, 25846), (354, 25615), (376, 25525), (385, 25489), (393, 25462), (406, 25399), (453, 25189), (460, 25171), (466, 25159), (471, 25150),

Gene: Lizalica_49 Start: 34782, Stop: 36191, Start Num: 109
Candidate Starts for Lizalica_49:

(Start: 109 @34782 has 197 MA's), (Start: 153 @35004 has 1 MA's), (164, 35052), (189, 35115), (192, 35127), (194, 35136), (220, 35235), (243, 35328), (253, 35367), (301, 35526), (385, 35829), (391, 35847), (394, 35859), (402, 35892), (438, 36030),

Gene: LochMonster_33 Start: 26613, Stop: 25117, Start Num: 109
Candidate Starts for LochMonster_33:
(Start: 73 @26679 has 8 MA's), (Start: 109 @26613 has 197 MA's), (Start: 115 @26595 has 3 MA's), (128, 26538), (130, 26520), (136, 26490), (Start: 138 @26478 has 1 MA's), (161, 26352), (169, 26331), (181, 26301), (191, 26262), (199, 26223), (225, 26133), (241, 26073), (254, 26019), (288, 25881), (354, 25650), (376, 25560), (385, 25524), (393, 25497), (404, 25443), (406, 25434), (453, 25224), (460, 25206), (466, 25194), (471, 25185),

Gene: Lockley_38 Start: 29430, Stop: 30932, Start Num: 109
Candidate Starts for Lockley_38:
(Start: 60 @29349 has 24 MA's), (Start: 64 @29355 has 2 MA's), (Start: 69 @29361 has 9 MA's), (Start: 70 @29364 has 7 MA's), (Start: 77 @29379 has 2 MA's), (Start: 109 @29430 has 197 MA's), (Start: 111 @29439 has 2 MA's), (Start: 114 @29445 has 7 MA's), (116, 29454), (Start: 151 @29649 has 1 MA's), (Start: 153 @29655 has 1 MA's), (157, 29676), (192, 29793), (Start: 195 @29805 has 1 MA's), (197, 29814), (198, 29823), (229, 29931), (236, 29952), (238, 29964), (243, 29988), (253, 30030), (285, 30159), (300, 30219), (314, 30276), (331, 30330), (339, 30345), (371, 30447), (373, 30453), (402, 30567), (405, 30582), (452, 30801), (487, 30900), (498, 30924),

Gene: London_48 Start: 35959, Stop: 37380, Start Num: 100
Candidate Starts for London_48:
(92, 35941), (Start: 99 @35956 has 4 MA's), (Start: 100 @35959 has 39 MA's), (Start: 109 @35968 has 197 MA's), (133, 36082), (Start: 138 @36106 has 1 MA's), (Start: 153 @36190 has 1 MA's), (159, 36223), (164, 36238), (189, 36301), (192, 36313), (194, 36322), (220, 36421), (231, 36463), (243, 36514), (253, 36553), (282, 36631), (288, 36658), (385, 37018), (388, 37027), (391, 37036), (394, 37048), (438, 37219), (463, 37306),

Gene: Lopton_38 Start: 30822, Stop: 32324, Start Num: 109
Candidate Starts for Lopton_38:
(Start: 60 @30741 has 24 MA's), (Start: 64 @30747 has 2 MA's), (Start: 69 @30753 has 9 MA's), (Start: 70 @30756 has 7 MA's), (Start: 77 @30771 has 2 MA's), (Start: 109 @30822 has 197 MA's), (134, 30939), (Start: 151 @31041 has 1 MA's), (Start: 153 @31047 has 1 MA's), (157, 31068), (192, 31185), (Start: 195 @31197 has 1 MA's), (197, 31206), (198, 31215), (229, 31323), (236, 31344), (238, 31356), (243, 31380), (253, 31422), (285, 31551), (300, 31611), (314, 31668), (324, 31695), (331, 31722), (332, 31725), (339, 31737), (360, 31806), (373, 31845), (382, 31878), (402, 31959), (405, 31974), (429, 32079), (452, 32193), (487, 32292), (498, 32316),

Gene: Lorelei_51 Start: 35146, Stop: 36723, Start Num: 42
Candidate Starts for Lorelei_51:
(Start: 31 @35080 has 7 MA's), (Start: 42 @35146 has 21 MA's), (Start: 115 @35266 has 3 MA's), (Start: 138 @35383 has 1 MA's), (147, 35434), (164, 35515), (165, 35518), (189, 35590), (191, 35599), (192, 35602), (193, 35605), (197, 35623), (232, 35755), (246, 35812), (247, 35815), (249, 35824), (255, 35848), (279, 35917), (310, 36043), (312, 36052), (337, 36118), (346, 36148), (371, 36247), (377, 36271), (380, 36280), (387, 36304), (403, 36376), (448, 36565), (461, 36604), (469, 36628), (474, 36643), (480, 36658),

Gene: Lorenzo_33 Start: 26637, Stop: 25123, Start Num: 106
Candidate Starts for Lorenzo_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191,

26253), (192, 26250), (212, 26163), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Louie6_36 Start: 27310, Stop: 25742, Start Num: 106
Candidate Starts for Louie6_36:
(37, 27460), (40, 27445), (87, 27346), (Start: 106 @27310 has 100 MA's), (157, 27055), (163, 27031), (177, 26971), (191, 26923), (192, 26920), (212, 26833), (217, 26821), (221, 26800), (226, 26776), (243, 26707), (261, 26638), (265, 26629), (287, 26524), (296, 26479), (329, 26347), (356, 26263), (371, 26206), (422, 25999), (452, 25858),

Gene: Lunsford_33 Start: 26634, Stop: 25120, Start Num: 106
Candidate Starts for Lunsford_33:
(Start: 83 @26676 has 1 MA's), (Start: 100 @26643 has 39 MA's), (Start: 106 @26634 has 100 MA's), (139, 26472), (Start: 151 @26406 has 1 MA's), (156, 26388), (174, 26313), (180, 26289), (191, 26250), (192, 26247), (241, 26046), (243, 26034), (287, 25851), (313, 25740), (329, 25689), (369, 25560), (372, 25551), (393, 25476), (395, 25470), (422, 25347), (431, 25308), (476, 25158), (481, 25143),

Gene: MPlant7149_37 Start: 29019, Stop: 30602, Start Num: 60
Candidate Starts for MPlant7149_37:
(Start: 60 @29019 has 24 MA's), (Start: 64 @29025 has 2 MA's), (Start: 69 @29031 has 9 MA's), (Start: 70 @29034 has 7 MA's), (Start: 77 @29049 has 2 MA's), (Start: 109 @29100 has 197 MA's), (Start: 132 @29208 has 1 MA's), (Start: 151 @29319 has 1 MA's), (Start: 153 @29325 has 1 MA's), (156, 29337), (157, 29346), (166, 29379), (192, 29463), (Start: 195 @29475 has 1 MA's), (197, 29484), (198, 29493), (229, 29601), (236, 29622), (238, 29634), (243, 29658), (253, 29700), (285, 29829), (300, 29889), (314, 29946), (324, 29973), (327, 29988), (329, 29991), (331, 30000), (332, 30003), (339, 30015), (360, 30084), (373, 30123), (382, 30156), (402, 30237), (405, 30252), (429, 30357), (452, 30471), (487, 30570), (498, 30594),

Gene: MaGuCo_47 Start: 36178, Stop: 37593, Start Num: 109
Candidate Starts for MaGuCo_47:
(Start: 109 @36178 has 197 MA's), (Start: 138 @36316 has 1 MA's), (189, 36511), (192, 36523), (196, 36541), (209, 36601), (215, 36610), (242, 36715), (243, 36724), (285, 36856), (288, 36868), (308, 36949), (369, 37159), (378, 37192), (391, 37234), (398, 37261), (402, 37279), (439, 37420), (454, 37483), (462, 37501), (464, 37507), (490, 37579), (492, 37585),

Gene: Mabodamaca_60 Start: 40399, Stop: 41982, Start Num: 74
Candidate Starts for Mabodamaca_60:
(63, 40381), (Start: 74 @40399 has 2 MA's), (Start: 82 @40417 has 2 MA's), (148, 40633), (158, 40693), (197, 40855), (201, 40879), (280, 41197), (338, 41431), (376, 41554), (401, 41659), (411, 41695), (418, 41719), (421, 41728), (433, 41782), (436, 41794), (443, 41839), (466, 41896),

Gene: Madraxi_57 Start: 38282, Stop: 39541, Start Num: 132
Candidate Starts for Madraxi_57:
(52, 38075), (58, 38084), (Start: 95 @38153 has 33 MA's), (116, 38198), (122, 38228), (Start: 132 @38282 has 1 MA's), (134, 38291), (Start: 138 @38309 has 1 MA's), (186, 38492), (192, 38525), (204, 38585), (242, 38717), (244, 38729), (250, 38756), (281, 38840), (305, 38942), (307, 38945), (335, 39005), (346, 39044), (355, 39071), (363, 39101), (364, 39107), (368, 39122), (375, 39146), (386, 39188), (401, 39251), (418, 39311), (419, 39314), (446, 39431), (454, 39458), (460, 39467), (472, 39497),

Gene: Magnar_37 Start: 29288, Stop: 30790, Start Num: 109

Candidate Starts for Magnar_37:
(Start: 60 @29207 has 24 MA's), (Start: 64 @29213 has 2 MA's), (Start: 69 @29219 has 9 MA's), (Start: 70 @29222 has 7 MA's), (Start: 77 @29237 has 2 MA's), (Start: 109 @29288 has 197 MA's), (Start: 114 @29303 has 7 MA's), (Start: 151 @29507 has 1 MA's), (Start: 153 @29513 has 1 MA's), (156, 29525), (157, 29534), (192, 29651), (Start: 195 @29663 has 1 MA's), (197, 29672), (198, 29681), (229, 29789), (236, 29810), (238, 29822), (243, 29846), (253, 29888), (285, 30017), (300, 30077), (314, 30134), (324, 30161), (331, 30188), (332, 30191), (339, 30203), (360, 30272), (373, 30311), (382, 30344), (402, 30425), (405, 30440), (429, 30545), (452, 30659), (487, 30758), (498, 30782),

Gene: Magnito_36 Start: 29012, Stop: 30595, Start Num: 60
Candidate Starts for Magnito_36:
(Start: 60 @29012 has 24 MA's), (Start: 64 @29018 has 2 MA's), (Start: 69 @29024 has 9 MA's), (Start: 70 @29027 has 7 MA's), (Start: 77 @29042 has 2 MA's), (Start: 109 @29093 has 197 MA's), (Start: 151 @29312 has 1 MA's), (Start: 153 @29318 has 1 MA's), (157, 29339), (Start: 195 @29468 has 1 MA's), (197, 29477), (198, 29486), (229, 29594), (236, 29615), (238, 29627), (243, 29651), (253, 29693), (285, 29822), (300, 29882), (314, 29939), (331, 29993), (332, 29996), (339, 30008), (373, 30116), (382, 30149), (383, 30152), (402, 30230), (405, 30245), (429, 30350), (432, 30365), (452, 30464), (487, 30563), (498, 30587),

Gene: Makemake_38 Start: 30742, Stop: 32256, Start Num: 109
Candidate Starts for Makemake_38:
(Start: 60 @30661 has 24 MA's), (Start: 64 @30667 has 2 MA's), (Start: 69 @30673 has 9 MA's), (Start: 70 @30676 has 7 MA's), (Start: 77 @30691 has 2 MA's), (Start: 109 @30742 has 197 MA's), (Start: 114 @30757 has 7 MA's), (Start: 151 @30961 has 1 MA's), (Start: 153 @30967 has 1 MA's), (157, 30988), (192, 31105), (Start: 195 @31117 has 1 MA's), (197, 31126), (198, 31135), (199, 31141), (224, 31231), (229, 31243), (238, 31276), (285, 31471), (296, 31504), (300, 31531), (314, 31588), (331, 31642), (339, 31657), (373, 31765), (382, 31798), (402, 31879), (405, 31894), (452, 32113),

Gene: Manatee_38 Start: 29063, Stop: 30628, Start Num: 70
Candidate Starts for Manatee_38:
(Start: 60 @29048 has 24 MA's), (Start: 64 @29054 has 2 MA's), (Start: 69 @29060 has 9 MA's), (Start: 70 @29063 has 7 MA's), (Start: 77 @29078 has 2 MA's), (Start: 109 @29129 has 197 MA's), (Start: 151 @29348 has 1 MA's), (Start: 153 @29354 has 1 MA's), (157, 29375), (192, 29492), (Start: 195 @29504 has 1 MA's), (197, 29513), (198, 29522), (199, 29528), (224, 29618), (229, 29630), (236, 29651), (238, 29663), (243, 29687), (253, 29729), (285, 29858), (300, 29918), (314, 29975), (320, 29990), (331, 30029), (339, 30044), (382, 30182), (393, 30221), (399, 30248), (405, 30278), (452, 30497), (487, 30596), (498, 30620),

Gene: Maneekul_50 Start: 36203, Stop: 37825, Start Num: 41
Candidate Starts for Maneekul_50:
(Start: 31 @36146 has 7 MA's), (Start: 41 @36203 has 5 MA's), (Start: 42 @36212 has 21 MA's), (Start: 115 @36359 has 3 MA's), (134, 36458), (Start: 138 @36476 has 1 MA's), (147, 36527), (164, 36608), (165, 36611), (189, 36683), (191, 36692), (192, 36695), (224, 36821), (232, 36848), (249, 36917), (260, 36962), (283, 37031), (290, 37058), (301, 37106), (312, 37154), (326, 37193), (337, 37220), (346, 37250), (377, 37373), (395, 37433), (403, 37478), (437, 37607), (445, 37658), (448, 37667), (461, 37706), (469, 37730), (474, 37745), (480, 37760), (485, 37775),

Gene: Marcell_37 Start: 29790, Stop: 31292, Start Num: 109
Candidate Starts for Marcell_37:
(Start: 60 @29709 has 24 MA's), (Start: 64 @29715 has 2 MA's), (Start: 70 @29724 has 7 MA's), (Start: 77 @29739 has 2 MA's), (Start: 109 @29790 has 197 MA's), (Start: 151 @30009 has 1 MA's),

(Start: 153 @30015 has 1 MA's), (157, 30036), (166, 30069), (Start: 195 @30165 has 1 MA's), (197, 30174), (198, 30183), (229, 30291), (236, 30312), (238, 30324), (243, 30348), (253, 30390), (285, 30519), (300, 30579), (314, 30636), (331, 30690), (332, 30693), (339, 30705), (373, 30813), (382, 30846), (402, 30927), (405, 30942), (429, 31047), (452, 31161), (487, 31260), (498, 31284),

Gene: Marge_38 Start: 30106, Stop: 31677, Start Num: 69
Candidate Starts for Marge_38:
(Start: 64 @30100 has 2 MA's), (Start: 69 @30106 has 9 MA's), (Start: 70 @30109 has 7 MA's), (Start: 77 @30124 has 2 MA's), (Start: 109 @30175 has 197 MA's), (Start: 151 @30394 has 1 MA's), (Start: 153 @30400 has 1 MA's), (157, 30421), (Start: 195 @30550 has 1 MA's), (197, 30559), (198, 30568), (229, 30676), (236, 30697), (238, 30709), (243, 30733), (253, 30775), (285, 30904), (300, 30964), (314, 31021), (324, 31048), (331, 31075), (332, 31078), (339, 31090), (360, 31159), (373, 31198), (382, 31231), (402, 31312), (405, 31327), (429, 31432), (452, 31546), (487, 31645), (498, 31669),

Gene: Margo_34 Start: 27255, Stop: 25747, Start Num: 109
Candidate Starts for Margo_34:
(Start: 101 @27270 has 3 MA's), (Start: 109 @27255 has 197 MA's), (Start: 110 @27249 has 3 MA's), (Start: 111 @27246 has 2 MA's), (146, 27078), (147, 27072), (176, 26955), (194, 26895), (224, 26778), (236, 26739), (242, 26712), (244, 26700), (271, 26565), (309, 26412), (338, 26322), (350, 26283), (377, 26193), (390, 26151), (393, 26139), (403, 26094), (408, 26073), (456, 25860), (463, 25839),

Gene: Maroc7_37 Start: 29274, Stop: 30776, Start Num: 109
Candidate Starts for Maroc7_37:
(Start: 60 @29193 has 24 MA's), (Start: 64 @29199 has 2 MA's), (Start: 69 @29205 has 9 MA's), (Start: 70 @29208 has 7 MA's), (Start: 77 @29223 has 2 MA's), (Start: 109 @29274 has 197 MA's), (Start: 114 @29289 has 7 MA's), (Start: 151 @29493 has 1 MA's), (Start: 153 @29499 has 1 MA's), (Start: 195 @29649 has 1 MA's), (197, 29658), (198, 29667), (229, 29775), (236, 29796), (238, 29808), (243, 29832), (253, 29874), (285, 30003), (300, 30063), (314, 30120), (324, 30147), (331, 30174), (332, 30177), (339, 30189), (360, 30258), (371, 30291), (373, 30297), (382, 30330), (402, 30411), (405, 30426), (429, 30531), (452, 30645), (487, 30744), (498, 30768),

Gene: Marsha_37 Start: 30335, Stop: 31873, Start Num: 109
Candidate Starts for Marsha_37:
(Start: 60 @30254 has 24 MA's), (Start: 64 @30260 has 2 MA's), (Start: 69 @30266 has 9 MA's), (Start: 70 @30269 has 7 MA's), (Start: 77 @30284 has 2 MA's), (Start: 109 @30335 has 197 MA's), (Start: 151 @30554 has 1 MA's), (Start: 153 @30560 has 1 MA's), (Start: 195 @30710 has 1 MA's), (197, 30719), (198, 30728), (199, 30734), (229, 30836), (238, 30869), (245, 30905), (285, 31064), (300, 31124), (314, 31181), (324, 31208), (331, 31235), (339, 31250), (371, 31352), (373, 31358), (382, 31391), (383, 31394), (402, 31472), (405, 31487), (452, 31706),

Gene: MaryBeth_37 Start: 29595, Stop: 31097, Start Num: 109
Candidate Starts for MaryBeth_37:
(Start: 60 @29514 has 24 MA's), (Start: 64 @29520 has 2 MA's), (Start: 69 @29526 has 9 MA's), (Start: 70 @29529 has 7 MA's), (Start: 77 @29544 has 2 MA's), (Start: 109 @29595 has 197 MA's), (Start: 114 @29610 has 7 MA's), (Start: 151 @29814 has 1 MA's), (Start: 153 @29820 has 1 MA's), (156, 29832), (157, 29841), (Start: 195 @29970 has 1 MA's), (197, 29979), (198, 29988), (229, 30096), (236, 30117), (238, 30129), (243, 30153), (253, 30195), (285, 30324), (300, 30384), (314, 30441), (324, 30468), (331, 30495), (332, 30498), (339, 30510), (373, 30618), (382, 30651), (402, 30732), (405, 30747), (429, 30852), (452, 30966), (487, 31065), (498, 31089),

Gene: MarysWell_29 Start: 25772, Stop: 24333, Start Num: 123
Candidate Starts for MarysWell_29:

(Start: 109 @25826 has 197 MA's), (Start: 118 @25793 has 1 MA's), (Start: 119 @25790 has 3 MA's), (Start: 123 @25772 has 4 MA's), (Start: 138 @25691 has 1 MA's), (168, 25547), (178, 25520), (192, 25472), (236, 25307), (241, 25283), (242, 25280), (245, 25259), (296, 25070), (331, 24929), (343, 24899), (390, 24722), (393, 24710), (413, 24626), (417, 24611), (421, 24596), (460, 24419), (477, 24389), (478, 24386), (488, 24356),

Gene: Maureen_51 Start: 37489, Stop: 38901, Start Num: 109
Candidate Starts for Maureen_51:
(Start: 109 @37489 has 197 MA's), (Start: 138 @37627 has 1 MA's), (165, 37762), (189, 37822), (192, 37834), (196, 37852), (203, 37891), (242, 38026), (243, 38035), (285, 38167), (288, 38179), (308, 38260), (369, 38470), (378, 38503), (391, 38545), (398, 38572), (402, 38590), (439, 38731), (454, 38794), (464, 38818), (492, 38896),

Gene: Maverick_33 Start: 26646, Stop: 25123, Start Num: 100
Candidate Starts for Maverick_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Mazhar510_33 Start: 26638, Stop: 25124, Start Num: 106
Candidate Starts for Mazhar510_33:
(Start: 83 @26680 has 1 MA's), (Start: 100 @26647 has 39 MA's), (Start: 106 @26638 has 100 MA's), (139, 26476), (Start: 151 @26410 has 1 MA's), (156, 26392), (174, 26317), (180, 26293), (191, 26254), (192, 26251), (241, 26050), (243, 26038), (287, 25855), (313, 25744), (329, 25693), (369, 25564), (372, 25555), (393, 25480), (395, 25474), (422, 25351), (431, 25312), (476, 25162), (481, 25147),

Gene: McGuire_38 Start: 29330, Stop: 30922, Start Num: 53
Candidate Starts for McGuire_38:
(Start: 53 @29330 has 1 MA's), (Start: 79 @29375 has 3 MA's), (Start: 109 @29420 has 197 MA's), (Start: 114 @29435 has 7 MA's), (116, 29444), (134, 29537), (Start: 151 @29639 has 1 MA's), (Start: 153 @29645 has 1 MA's), (157, 29666), (192, 29783), (Start: 195 @29795 has 1 MA's), (197, 29804), (198, 29813), (229, 29921), (236, 29942), (238, 29954), (243, 29978), (253, 30020), (285, 30149), (300, 30209), (314, 30266), (324, 30293), (331, 30320), (332, 30323), (339, 30335), (360, 30404), (371, 30437), (373, 30443), (382, 30476), (402, 30557), (405, 30572), (429, 30677), (452, 30791), (487, 30890), (498, 30914),

Gene: MeeZee_33 Start: 26637, Stop: 25123, Start Num: 106
Candidate Starts for MeeZee_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: MetalQZJ_37 Start: 29595, Stop: 31097, Start Num: 109
Candidate Starts for MetalQZJ_37:
(Start: 60 @29514 has 24 MA's), (Start: 64 @29520 has 2 MA's), (Start: 69 @29526 has 9 MA's), (Start: 70 @29529 has 7 MA's), (Start: 77 @29544 has 2 MA's), (Start: 109 @29595 has 197 MA's), (Start: 114 @29610 has 7 MA's), (Start: 151 @29814 has 1 MA's), (Start: 153 @29820 has 1 MA's), (156, 29832), (157, 29841), (Start: 195 @29970 has 1 MA's), (197, 29979), (198, 29988), (229,

30096), (236, 30117), (238, 30129), (243, 30153), (253, 30195), (285, 30324), (300, 30384), (314, 30441), (324, 30468), (331, 30495), (332, 30498), (339, 30510), (373, 30618), (382, 30651), (402, 30732), (405, 30747), (429, 30852), (452, 30966), (487, 31065), (498, 31089),

Gene: Methuselah_35 Start: 27305, Stop: 25737, Start Num: 106
Candidate Starts for Methuselah_35:
(37, 27455), (40, 27440), (87, 27341), (Start: 106 @27305 has 100 MA's), (157, 27050), (163, 27026), (177, 26966), (191, 26918), (192, 26915), (212, 26828), (217, 26816), (221, 26795), (226, 26771), (243, 26702), (261, 26633), (265, 26624), (287, 26519), (296, 26474), (329, 26342), (356, 26258), (371, 26201), (422, 25994), (452, 25853),

Gene: Micasa_29 Start: 25698, Stop: 24259, Start Num: 123
Candidate Starts for Micasa_29:
(Start: 109 @25752 has 197 MA's), (Start: 118 @25719 has 1 MA's), (Start: 119 @25716 has 3 MA's), (Start: 123 @25698 has 4 MA's), (Start: 138 @25617 has 1 MA's), (168, 25473), (178, 25446), (192, 25398), (200, 25356), (236, 25233), (241, 25209), (242, 25206), (245, 25185), (260, 25128), (296, 24996), (331, 24855), (343, 24825), (390, 24648), (393, 24636), (413, 24552), (417, 24537), (421, 24522), (460, 24345), (477, 24315),

Gene: Michley_37 Start: 29186, Stop: 30769, Start Num: 60
Candidate Starts for Michley_37:
(Start: 60 @29186 has 24 MA's), (Start: 64 @29192 has 2 MA's), (Start: 69 @29198 has 9 MA's), (Start: 70 @29201 has 7 MA's), (Start: 77 @29216 has 2 MA's), (Start: 109 @29267 has 197 MA's), (Start: 114 @29282 has 7 MA's), (Start: 151 @29486 has 1 MA's), (Start: 153 @29492 has 1 MA's), (156, 29504), (157, 29513), (Start: 195 @29642 has 1 MA's), (197, 29651), (198, 29660), (229, 29768), (236, 29789), (238, 29801), (243, 29825), (253, 29867), (285, 29996), (300, 30056), (314, 30113), (324, 30140), (331, 30167), (332, 30170), (339, 30182), (373, 30290), (382, 30323), (402, 30404), (405, 30419), (429, 30524), (452, 30638), (487, 30737), (498, 30761),

Gene: Midas2_30 Start: 25826, Stop: 24333, Start Num: 109
Candidate Starts for Midas2_30:
(Start: 109 @25826 has 197 MA's), (Start: 118 @25793 has 1 MA's), (Start: 119 @25790 has 3 MA's), (Start: 123 @25772 has 4 MA's), (Start: 138 @25691 has 1 MA's), (168, 25547), (178, 25520), (192, 25472), (236, 25307), (241, 25283), (242, 25280), (245, 25259), (260, 25202), (296, 25070), (331, 24929), (343, 24899), (390, 24722), (393, 24710), (413, 24626), (417, 24611), (421, 24596), (460, 24419), (477, 24389), (488, 24356),

Gene: Milcery_30 Start: 25782, Stop: 24289, Start Num: 109
Candidate Starts for Milcery_30:
(Start: 109 @25782 has 197 MA's), (Start: 118 @25749 has 1 MA's), (Start: 119 @25746 has 3 MA's), (Start: 123 @25728 has 4 MA's), (Start: 138 @25647 has 1 MA's), (168, 25503), (178, 25476), (192, 25428), (236, 25263), (241, 25239), (242, 25236), (245, 25215), (296, 25026), (331, 24885), (343, 24855), (390, 24678), (393, 24666), (413, 24582), (417, 24567), (421, 24552), (460, 24375), (477, 24345), (488, 24312),

Gene: Millski_32 Start: 26641, Stop: 25127, Start Num: 106
Candidate Starts for Millski_32:
(Start: 83 @26683 has 1 MA's), (Start: 100 @26650 has 39 MA's), (Start: 106 @26641 has 100 MA's), (139, 26479), (Start: 151 @26413 has 1 MA's), (156, 26395), (174, 26320), (180, 26296), (191, 26257), (192, 26254), (212, 26167), (241, 26053), (243, 26041), (287, 25858), (313, 25747), (329, 25696), (369, 25567), (372, 25558), (393, 25483), (395, 25477), (422, 25354), (431, 25315), (476, 25165), (481, 25150),

Gene: Miramae_33 Start: 26969, Stop: 25407, Start Num: 73
Candidate Starts for Miramae_33:
(Start: 73 @26969 has 8 MA's), (Start: 105 @26912 has 1 MA's), (Start: 109 @26903 has 197 MA's), (Start: 115 @26885 has 3 MA's), (128, 26828), (136, 26780), (Start: 138 @26768 has 1 MA's), (161, 26642), (169, 26621), (170, 26618), (181, 26591), (191, 26552), (225, 26423), (241, 26363), (288, 26171), (331, 26009), (385, 25814), (393, 25787), (404, 25733), (406, 25724), (453, 25514), (460, 25496), (466, 25484), (471, 25475), (479, 25457),

Gene: Misomonster_38 Start: 27308, Stop: 25740, Start Num: 106
Candidate Starts for Misomonster_38:
(37, 27458), (40, 27443), (87, 27344), (Start: 106 @27308 has 100 MA's), (157, 27053), (163, 27029), (177, 26969), (191, 26921), (192, 26918), (212, 26831), (217, 26819), (221, 26798), (226, 26774), (243, 26705), (261, 26636), (265, 26627), (287, 26522), (296, 26477), (329, 26345), (356, 26261), (371, 26204), (422, 25997), (452, 25856),

Gene: MissSwiss_52 Start: 34517, Stop: 35938, Start Num: 99
Candidate Starts for MissSwiss_52:
(92, 34502), (Start: 99 @34517 has 4 MA's), (Start: 100 @34520 has 39 MA's), (Start: 109 @34529 has 197 MA's), (133, 34643), (Start: 153 @34751 has 1 MA's), (164, 34799), (189, 34862), (192, 34874), (220, 34982), (243, 35075), (245, 35087), (253, 35114), (260, 35141), (384, 35573), (391, 35594), (411, 35672), (438, 35777),

Gene: Molly_39 Start: 29294, Stop: 30877, Start Num: 60
Candidate Starts for Molly_39:
(Start: 60 @29294 has 24 MA's), (Start: 64 @29300 has 2 MA's), (Start: 69 @29306 has 9 MA's), (Start: 70 @29309 has 7 MA's), (Start: 77 @29324 has 2 MA's), (Start: 109 @29375 has 197 MA's), (Start: 112 @29387 has 3 MA's), (Start: 153 @29600 has 1 MA's), (156, 29612), (157, 29621), (166, 29654), (Start: 195 @29750 has 1 MA's), (197, 29759), (198, 29768), (229, 29876), (236, 29897), (238, 29909), (243, 29933), (253, 29975), (285, 30104), (300, 30164), (314, 30221), (324, 30248), (331, 30275), (332, 30278), (339, 30290), (360, 30359), (371, 30392), (373, 30398), (382, 30431), (402, 30512), (405, 30527), (429, 30632), (452, 30746), (487, 30845), (498, 30869),

Gene: Monet_39 Start: 30804, Stop: 32306, Start Num: 109
Candidate Starts for Monet_39:
(Start: 60 @30723 has 24 MA's), (Start: 64 @30729 has 2 MA's), (Start: 69 @30735 has 9 MA's), (Start: 70 @30738 has 7 MA's), (Start: 77 @30753 has 2 MA's), (Start: 109 @30804 has 197 MA's), (116, 30828), (Start: 151 @31023 has 1 MA's), (Start: 153 @31029 has 1 MA's), (157, 31050), (Start: 195 @31179 has 1 MA's), (197, 31188), (198, 31197), (229, 31305), (236, 31326), (238, 31338), (243, 31362), (253, 31404), (285, 31533), (300, 31593), (314, 31650), (324, 31677), (331, 31704), (339, 31719), (360, 31788), (373, 31827), (382, 31860), (402, 31941), (405, 31956), (429, 32061), (452, 32175), (456, 32187), (487, 32274), (498, 32298),

Gene: Moose_37 Start: 29620, Stop: 31122, Start Num: 109
Candidate Starts for Moose_37:
(Start: 60 @29539 has 24 MA's), (Start: 64 @29545 has 2 MA's), (Start: 69 @29551 has 9 MA's), (Start: 70 @29554 has 7 MA's), (Start: 77 @29569 has 2 MA's), (Start: 109 @29620 has 197 MA's), (Start: 114 @29635 has 7 MA's), (116, 29644), (Start: 151 @29839 has 1 MA's), (Start: 153 @29845 has 1 MA's), (156, 29857), (157, 29866), (Start: 195 @29995 has 1 MA's), (197, 30004), (198, 30013), (229, 30121), (236, 30142), (238, 30154), (243, 30178), (285, 30349), (300, 30409), (314, 30466), (331, 30520), (332, 30523), (339, 30535), (373, 30643), (382, 30676), (393, 30715), (402, 30757), (405, 30772), (452, 30991), (487, 31090), (498, 31114),

Gene: Morpher26_33 Start: 26647, Stop: 25133, Start Num: 106

Candidate Starts for Morpher26_33:
(Start: 83 @26689 has 1 MA's), (Start: 100 @26656 has 39 MA's), (Start: 106 @26647 has 100 MA's), (139, 26485), (Start: 151 @26419 has 1 MA's), (156, 26401), (174, 26326), (191, 26263), (192, 26260), (212, 26173), (243, 26047), (287, 25864), (300, 25807), (313, 25753), (329, 25702), (369, 25573), (372, 25564), (393, 25489), (395, 25483), (421, 25369), (422, 25360), (431, 25321), (476, 25171), (481, 25156),

Gene: Moss_51 Start: 31498, Stop: 32937, Start Num: 102
Candidate Starts for Moss_51:
(Start: 102 @31498 has 1 MA's), (Start: 132 @31609 has 1 MA's), (134, 31618), (148, 31681), (Start: 151 @31705 has 1 MA's), (154, 31714), (192, 31864), (194, 31873), (234, 32029), (236, 32035), (242, 32062), (301, 32296), (342, 32419), (464, 32866), (470, 32881), (471, 32884),

Gene: MrGordo_37 Start: 29130, Stop: 30632, Start Num: 109
Candidate Starts for MrGordo_37:
(Start: 60 @29049 has 24 MA's), (Start: 64 @29055 has 2 MA's), (Start: 69 @29061 has 9 MA's), (Start: 70 @29064 has 7 MA's), (Start: 77 @29079 has 2 MA's), (Start: 109 @29130 has 197 MA's), (116, 29154), (Start: 153 @29355 has 1 MA's), (166, 29409), (Start: 195 @29505 has 1 MA's), (197, 29514), (198, 29523), (229, 29631), (236, 29652), (238, 29664), (243, 29688), (253, 29730), (285, 29859), (300, 29919), (314, 29976), (324, 30003), (327, 30018), (329, 30021), (331, 30030), (332, 30033), (339, 30045), (360, 30114), (371, 30147), (373, 30153), (382, 30186), (383, 30189), (402, 30267), (405, 30282), (429, 30387), (452, 30501), (487, 30600), (498, 30624),

Gene: Mryolo_35 Start: 29138, Stop: 30640, Start Num: 109
Candidate Starts for Mryolo_35:
(Start: 79 @29093 has 3 MA's), (Start: 109 @29138 has 197 MA's), (Start: 114 @29153 has 7 MA's), (139, 29285), (Start: 151 @29357 has 1 MA's), (Start: 153 @29363 has 1 MA's), (192, 29501), (Start: 195 @29513 has 1 MA's), (197, 29522), (198, 29531), (229, 29639), (236, 29660), (238, 29672), (243, 29696), (253, 29738), (285, 29867), (300, 29927), (314, 29984), (331, 30038), (339, 30053), (371, 30155), (373, 30161), (382, 30194), (383, 30197), (399, 30260), (405, 30290), (429, 30395), (452, 30509), (487, 30608), (498, 30632),

Gene: Mudpuppy_47 Start: 34970, Stop: 36388, Start Num: 100
Candidate Starts for Mudpuppy_47:
(92, 34952), (Start: 99 @34967 has 4 MA's), (Start: 100 @34970 has 39 MA's), (Start: 109 @34979 has 197 MA's), (133, 35093), (Start: 153 @35201 has 1 MA's), (189, 35312), (192, 35324), (194, 35333), (220, 35432), (243, 35525), (245, 35537), (260, 35591), (301, 35723), (376, 35990), (385, 36026), (391, 36044), (394, 36056), (402, 36089), (438, 36227),

Gene: Mundrea_33 Start: 26612, Stop: 25116, Start Num: 109
Candidate Starts for Mundrea_33:
(14, 26912), (22, 26852), (26, 26834), (28, 26825), (Start: 73 @26678 has 8 MA's), (Start: 105 @26621 has 1 MA's), (Start: 109 @26612 has 197 MA's), (Start: 115 @26594 has 3 MA's), (128, 26537), (130, 26519), (136, 26489), (Start: 138 @26477 has 1 MA's), (Start: 153 @26393 has 1 MA's), (161, 26351), (169, 26330), (191, 26261), (225, 26132), (241, 26072), (254, 26018), (288, 25880), (302, 25817), (333, 25712), (354, 25649), (376, 25559), (385, 25523), (393, 25496), (404, 25442), (406, 25433), (453, 25223), (456, 25217), (460, 25205), (466, 25193), (471, 25184),

Gene: Museum_39 Start: 29483, Stop: 30988, Start Num: 111
Candidate Starts for Museum_39:
(Start: 60 @29393 has 24 MA's), (Start: 64 @29399 has 2 MA's), (Start: 69 @29405 has 9 MA's), (Start: 70 @29408 has 7 MA's), (Start: 77 @29423 has 2 MA's), (Start: 109 @29474 has 197 MA's), (Start: 111 @29483 has 2 MA's), (Start: 114 @29489 has 7 MA's), (116, 29498), (Start: 118 @29507

has 1 MA's), (134, 29591), (Start: 138 @29609 has 1 MA's), (Start: 151 @29693 has 1 MA's), (Start: 153 @29699 has 1 MA's), (156, 29711), (157, 29720), (192, 29837), (Start: 195 @29849 has 1 MA's), (197, 29858), (198, 29867), (224, 29963), (229, 29975), (238, 30008), (285, 30203), (300, 30263), (314, 30320), (331, 30374), (332, 30377), (339, 30389), (371, 30491), (373, 30497), (382, 30530), (402, 30611), (405, 30626), (429, 30731), (452, 30845),

Gene: MyraDee_30 Start: 24175, Stop: 22685, Start Num: 106
Candidate Starts for MyraDee_30:
(Start: 106 @24175 has 100 MA's), (Start: 112 @24151 has 3 MA's), (121, 24112), (Start: 138 @24025 has 1 MA's), (Start: 151 @23947 has 1 MA's), (152, 23944), (Start: 153 @23941 has 1 MA's), (157, 23920), (163, 23896), (174, 23854), (177, 23836), (191, 23794), (192, 23791), (212, 23704), (213, 23701), (217, 23692), (238, 23602), (243, 23578), (265, 23500), (276, 23437), (287, 23395), (296, 23365), (301, 23335), (329, 23233), (331, 23224), (378, 23074), (383, 23059), (402, 22981), (403, 22978), (415, 22930), (422, 22894), (442, 22798), (451, 22768), (467, 22723), (470, 22720), (473, 22708),

Gene: NEHalo_37 Start: 29293, Stop: 30861, Start Num: 69
Candidate Starts for NEHalo_37:
(Start: 60 @29281 has 24 MA's), (Start: 64 @29287 has 2 MA's), (Start: 69 @29293 has 9 MA's), (Start: 70 @29296 has 7 MA's), (Start: 77 @29311 has 2 MA's), (Start: 109 @29362 has 197 MA's), (Start: 114 @29377 has 7 MA's), (116, 29386), (Start: 151 @29581 has 1 MA's), (Start: 153 @29587 has 1 MA's), (157, 29608), (Start: 195 @29737 has 1 MA's), (197, 29746), (198, 29755), (199, 29761), (224, 29851), (229, 29863), (238, 29896), (253, 29962), (285, 30091), (300, 30151), (314, 30208), (331, 30262), (332, 30265), (339, 30277), (382, 30415), (383, 30418), (393, 30454), (402, 30496), (405, 30511), (429, 30616), (452, 30730), (487, 30829), (498, 30853),

Gene: Nabi_51 Start: 35146, Stop: 36723, Start Num: 42
Candidate Starts for Nabi_51:
(Start: 31 @35080 has 7 MA's), (Start: 42 @35146 has 21 MA's), (Start: 115 @35266 has 3 MA's), (Start: 138 @35383 has 1 MA's), (147, 35434), (164, 35515), (165, 35518), (189, 35590), (191, 35599), (192, 35602), (193, 35605), (197, 35623), (232, 35755), (246, 35812), (247, 35815), (249, 35824), (255, 35848), (279, 35917), (310, 36043), (312, 36052), (337, 36118), (346, 36148), (371, 36247), (377, 36271), (380, 36280), (387, 36304), (403, 36376), (448, 36565), (461, 36604), (469, 36628), (474, 36643), (480, 36658),

Gene: Naca_31 Start: 25915, Stop: 24470, Start Num: 119
Candidate Starts for Naca_31:
(90, 25978), (Start: 109 @25951 has 197 MA's), (Start: 119 @25915 has 3 MA's), (Start: 138 @25816 has 1 MA's), (Start: 153 @25732 has 1 MA's), (161, 25690), (170, 25666), (181, 25639), (191, 25600), (197, 25576), (236, 25432), (306, 25138), (322, 25093), (329, 25063), (339, 25039), (343, 25024), (361, 24964), (376, 24913), (377, 24904), (393, 24850), (400, 24817), (417, 24751), (460, 24559), (493, 24481),

Gene: Naiad_29 Start: 23649, Stop: 22141, Start Num: 95
Candidate Starts for Naiad_29:
(Start: 95 @23649 has 33 MA's), (Start: 109 @23628 has 197 MA's), (Start: 110 @23622 has 3 MA's), (Start: 138 @23493 has 1 MA's), (147, 23445), (165, 23358), (197, 23253), (226, 23142), (242, 23082), (244, 23070), (258, 23007), (270, 22977), (275, 22944), (281, 22923), (288, 22893), (293, 22878), (296, 22872), (303, 22824), (312, 22791), (329, 22734), (343, 22695), (345, 22689), (391, 22539), (431, 22368), (493, 22152),

Gene: Naira_38 Start: 31077, Stop: 32591, Start Num: 109
Candidate Starts for Naira_38:

(Start: 60 @30996 has 24 MA's), (Start: 64 @31002 has 2 MA's), (Start: 69 @31008 has 9 MA's), (Start: 70 @31011 has 7 MA's), (Start: 77 @31026 has 2 MA's), (Start: 109 @31077 has 197 MA's), (Start: 153 @31302 has 1 MA's), (157, 31323), (192, 31440), (Start: 195 @31452 has 1 MA's), (197, 31461), (198, 31470), (229, 31578), (236, 31599), (238, 31611), (243, 31635), (253, 31677), (285, 31806), (300, 31866), (314, 31923), (331, 31977), (339, 31992), (373, 32100), (382, 32133), (383, 32136), (402, 32214), (405, 32229), (406, 32235), (452, 32448), (456, 32460),

Gene: Nancinator_29 Start: 23636, Stop: 22140, Start Num: 95
Candidate Starts for Nancinator_29:
(Start: 95 @23636 has 33 MA's), (Start: 109 @23615 has 197 MA's), (Start: 110 @23609 has 3 MA's), (Start: 138 @23480 has 1 MA's), (147, 23432), (165, 23345), (197, 23240), (226, 23129), (242, 23069), (244, 23057), (258, 22994), (270, 22964), (275, 22931), (281, 22910), (288, 22880), (293, 22865), (296, 22859), (303, 22811), (312, 22778), (329, 22721), (343, 22682), (345, 22676), (376, 22580), (384, 22547), (391, 22526), (393, 22517), (431, 22355),

Gene: Natosaleda_29 Start: 23636, Stop: 22140, Start Num: 95
Candidate Starts for Natosaleda_29:
(Start: 95 @23636 has 33 MA's), (Start: 109 @23615 has 197 MA's), (Start: 110 @23609 has 3 MA's), (Start: 138 @23480 has 1 MA's), (147, 23432), (165, 23345), (197, 23240), (226, 23129), (235, 23099), (242, 23069), (244, 23057), (258, 22994), (270, 22964), (275, 22931), (281, 22910), (288, 22880), (293, 22865), (296, 22859), (303, 22811), (312, 22778), (329, 22721), (343, 22682), (345, 22676), (376, 22580), (384, 22547), (391, 22526), (393, 22517), (431, 22355),

Gene: NearlyHeadless_30 Start: 25032, Stop: 23530, Start Num: 106
Candidate Starts for NearlyHeadless_30:
(65, 25101), (Start: 83 @25074 has 1 MA's), (87, 25068), (Start: 106 @25032 has 100 MA's), (Start: 138 @24882 has 1 MA's), (157, 24777), (174, 24711), (177, 24693), (191, 24651), (192, 24648), (212, 24561), (221, 24528), (241, 24447), (243, 24435), (267, 24342), (276, 24294), (287, 24252), (301, 24192), (329, 24090), (369, 23955), (390, 23883), (415, 23778), (422, 23742), (431, 23703), (450, 23619), (470, 23571),

Gene: Nemo27_33 Start: 26636, Stop: 25122, Start Num: 106
Candidate Starts for Nemo27_33:
(Start: 83 @26678 has 1 MA's), (Start: 100 @26645 has 39 MA's), (Start: 106 @26636 has 100 MA's), (139, 26474), (Start: 151 @26408 has 1 MA's), (156, 26390), (174, 26315), (180, 26291), (191, 26252), (192, 26249), (212, 26162), (241, 26048), (243, 26036), (287, 25853), (313, 25742), (329, 25691), (369, 25562), (372, 25553), (393, 25478), (395, 25472), (422, 25349), (431, 25310), (476, 25160), (481, 25145),

Gene: Nerujay_38 Start: 29948, Stop: 31531, Start Num: 60
Candidate Starts for Nerujay_38:
(Start: 60 @29948 has 24 MA's), (Start: 64 @29954 has 2 MA's), (Start: 69 @29960 has 9 MA's), (Start: 70 @29963 has 7 MA's), (Start: 77 @29978 has 2 MA's), (Start: 109 @30029 has 197 MA's), (Start: 114 @30044 has 7 MA's), (Start: 151 @30248 has 1 MA's), (Start: 153 @30254 has 1 MA's), (157, 30275), (Start: 195 @30404 has 1 MA's), (197, 30413), (198, 30422), (229, 30530), (236, 30551), (238, 30563), (243, 30587), (253, 30629), (285, 30758), (300, 30818), (314, 30875), (324, 30902), (331, 30929), (339, 30944), (371, 31046), (373, 31052), (382, 31085), (402, 31166), (405, 31181), (429, 31286), (452, 31400), (487, 31499), (498, 31523),

Gene: Nhonho_37 Start: 29766, Stop: 31268, Start Num: 109
Candidate Starts for Nhonho_37:
(Start: 79 @29721 has 3 MA's), (Start: 109 @29766 has 197 MA's), (Start: 114 @29781 has 7 MA's), (Start: 151 @29985 has 1 MA's), (Start: 153 @29991 has 1 MA's), (Start: 195 @30141 has 1 MA's),

(197, 30150), (198, 30159), (229, 30267), (236, 30288), (238, 30300), (243, 30324), (253, 30366), (285, 30495), (300, 30555), (314, 30612), (324, 30639), (331, 30666), (332, 30669), (339, 30681), (360, 30750), (371, 30783), (373, 30789), (382, 30822), (402, 30903), (405, 30918), (429, 31023), (452, 31137), (487, 31236), (498, 31260),

Gene: Niobe_48 Start: 35962, Stop: 37383, Start Num: 100
Candidate Starts for Niobe_48:
(92, 35944), (Start: 99 @35959 has 4 MA's), (Start: 100 @35962 has 39 MA's), (Start: 109 @35971 has 197 MA's), (133, 36085), (Start: 138 @36109 has 1 MA's), (Start: 153 @36193 has 1 MA's), (159, 36226), (164, 36241), (189, 36304), (192, 36316), (194, 36325), (220, 36424), (231, 36466), (243, 36517), (253, 36556), (282, 36634), (288, 36661), (301, 36715), (385, 37021), (388, 37030), (391, 37039), (394, 37051), (438, 37222), (463, 37309),

Gene: Nitro_51 Start: 37058, Stop: 38473, Start Num: 109
Candidate Starts for Nitro_51:
(Start: 109 @37058 has 197 MA's), (Start: 115 @37076 has 3 MA's), (133, 37172), (Start: 153 @37280 has 1 MA's), (165, 37331), (189, 37391), (192, 37403), (198, 37433), (220, 37511), (243, 37604), (253, 37643), (358, 38003), (385, 38108), (391, 38126), (394, 38138), (438, 38309),

Gene: Niza_40 Start: 30658, Stop: 32160, Start Num: 109
Candidate Starts for Niza_40:
(Start: 60 @30577 has 24 MA's), (Start: 64 @30583 has 2 MA's), (Start: 69 @30589 has 9 MA's), (Start: 70 @30592 has 7 MA's), (Start: 77 @30607 has 2 MA's), (Start: 109 @30658 has 197 MA's), (Start: 114 @30673 has 7 MA's), (Start: 151 @30877 has 1 MA's), (Start: 153 @30883 has 1 MA's), (Start: 195 @31033 has 1 MA's), (197, 31042), (198, 31051), (229, 31159), (236, 31180), (238, 31192), (243, 31216), (253, 31258), (285, 31387), (300, 31447), (314, 31504), (331, 31558), (332, 31561), (339, 31573), (373, 31681), (382, 31714), (402, 31795), (405, 31810), (429, 31915), (452, 32029), (487, 32128), (498, 32152),

Gene: Noella_34 Start: 27230, Stop: 25722, Start Num: 109
Candidate Starts for Noella_34:
(Start: 101 @27245 has 3 MA's), (Start: 109 @27230 has 197 MA's), (Start: 110 @27224 has 3 MA's), (Start: 111 @27221 has 2 MA's), (146, 27053), (147, 27047), (176, 26930), (194, 26870), (224, 26753), (236, 26714), (242, 26687), (244, 26675), (271, 26540), (309, 26387), (338, 26297), (350, 26258), (377, 26168), (390, 26126), (393, 26114), (403, 26069), (408, 26048), (456, 25835), (463, 25814),

Gene: Noelle_33 Start: 26735, Stop: 25200, Start Num: 106
Candidate Starts for Noelle_33:
(87, 26771), (Start: 100 @26744 has 39 MA's), (Start: 106 @26735 has 100 MA's), (126, 26654), (139, 26573), (Start: 151 @26507 has 1 MA's), (156, 26489), (174, 26414), (191, 26351), (192, 26348), (223, 26219), (243, 26135), (261, 26066), (273, 26003), (276, 25994), (287, 25952), (300, 25895), (313, 25841), (329, 25790), (369, 25640), (372, 25631), (393, 25556), (415, 25463), (421, 25436), (422, 25427), (431, 25388), (451, 25301), (476, 25238), (481, 25223),

Gene: Norbert_33 Start: 27229, Stop: 25721, Start Num: 109
Candidate Starts for Norbert_33:
(Start: 101 @27244 has 3 MA's), (Start: 109 @27229 has 197 MA's), (Start: 110 @27223 has 3 MA's), (Start: 111 @27220 has 2 MA's), (146, 27052), (147, 27046), (176, 26929), (194, 26869), (224, 26752), (236, 26713), (242, 26686), (244, 26674), (271, 26539), (309, 26386), (338, 26296), (350, 26257), (377, 26167), (390, 26125), (393, 26113), (403, 26068), (408, 26047), (456, 25834), (463, 25813),

Gene: NorthStar_33 Start: 26637, Stop: 25123, Start Num: 106
Candidate Starts for NorthStar_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Norz_39 Start: 30310, Stop: 31824, Start Num: 109
Candidate Starts for Norz_39:
(Start: 60 @30229 has 24 MA's), (Start: 64 @30235 has 2 MA's), (Start: 69 @30241 has 9 MA's), (Start: 70 @30244 has 7 MA's), (Start: 77 @30259 has 2 MA's), (Start: 109 @30310 has 197 MA's), (Start: 114 @30325 has 7 MA's), (Start: 132 @30418 has 1 MA's), (Start: 151 @30529 has 1 MA's), (Start: 153 @30535 has 1 MA's), (157, 30556), (Start: 195 @30685 has 1 MA's), (197, 30694), (198, 30703), (229, 30811), (236, 30832), (238, 30844), (243, 30868), (253, 30910), (285, 31039), (300, 31099), (314, 31156), (324, 31183), (327, 31198), (329, 31201), (331, 31210), (332, 31213), (339, 31225), (371, 31327), (373, 31333), (382, 31366), (383, 31369), (402, 31447), (405, 31462), (429, 31567), (452, 31681),

Gene: NotAPhaseMom_33 Start: 26641, Stop: 25127, Start Num: 106
Candidate Starts for NotAPhaseMom_33:
(Start: 83 @26683 has 1 MA's), (Start: 100 @26650 has 39 MA's), (Start: 106 @26641 has 100 MA's), (139, 26479), (Start: 151 @26413 has 1 MA's), (156, 26395), (174, 26320), (180, 26296), (191, 26257), (192, 26254), (212, 26167), (241, 26053), (243, 26041), (287, 25858), (313, 25747), (329, 25696), (369, 25567), (372, 25558), (393, 25483), (395, 25477), (422, 25354), (431, 25315), (476, 25165), (481, 25150),

Gene: Nyxis_33 Start: 26572, Stop: 25076, Start Num: 109
Candidate Starts for Nyxis_33:
(Start: 73 @26638 has 8 MA's), (Start: 109 @26572 has 197 MA's), (Start: 115 @26554 has 3 MA's), (127, 26500), (136, 26449), (Start: 138 @26437 has 1 MA's), (161, 26311), (169, 26290), (181, 26260), (191, 26221), (199, 26182), (225, 26092), (241, 26032), (254, 25978), (288, 25840), (354, 25609), (376, 25519), (385, 25483), (393, 25456), (406, 25393), (453, 25183), (460, 25165), (466, 25153), (471, 25144),

Gene: OKCentral2016_33 Start: 26376, Stop: 24868, Start Num: 109
Candidate Starts for OKCentral2016_33:
(Start: 109 @26376 has 197 MA's), (Start: 115 @26358 has 3 MA's), (116, 26352), (133, 26265), (Start: 138 @26241 has 1 MA's), (176, 26076), (224, 25899), (236, 25860), (238, 25848), (241, 25836), (242, 25833), (244, 25821), (299, 25575), (303, 25554), (343, 25425), (350, 25404), (378, 25311), (385, 25287), (390, 25272), (403, 25215), (408, 25194),

Gene: OKaNui_34 Start: 26690, Stop: 25176, Start Num: 106
Candidate Starts for OKaNui_34:
(Start: 83 @26732 has 1 MA's), (Start: 100 @26699 has 39 MA's), (Start: 106 @26690 has 100 MA's), (139, 26528), (Start: 151 @26462 has 1 MA's), (156, 26444), (174, 26369), (180, 26345), (191, 26306), (192, 26303), (212, 26216), (241, 26102), (243, 26090), (287, 25907), (313, 25796), (329, 25745), (369, 25616), (372, 25607), (393, 25532), (395, 25526), (422, 25403), (431, 25364), (476, 25214), (481, 25199),

Gene: ObiToo_54 Start: 36249, Stop: 37667, Start Num: 100
Candidate Starts for ObiToo_54:

(92, 36231), (Start: 99 @36246 has 4 MA's), (Start: 100 @36249 has 39 MA's), (Start: 109 @36258 has 197 MA's), (133, 36372), (Start: 138 @36396 has 1 MA's), (142, 36417), (Start: 153 @36480 has 1 MA's), (164, 36528), (189, 36591), (192, 36603), (220, 36711), (231, 36753), (243, 36804), (253, 36843), (369, 37248), (391, 37323), (394, 37335), (419, 37428), (438, 37506), (464, 37596),

Gene: Ohno789_37 Start: 29422, Stop: 30924, Start Num: 109
Candidate Starts for Ohno789_37:
(Start: 60 @29341 has 24 MA's), (Start: 64 @29347 has 2 MA's), (Start: 69 @29353 has 9 MA's), (Start: 70 @29356 has 7 MA's), (Start: 77 @29371 has 2 MA's), (Start: 109 @29422 has 197 MA's), (Start: 114 @29437 has 7 MA's), (Start: 151 @29641 has 1 MA's), (Start: 153 @29647 has 1 MA's), (Start: 195 @29797 has 1 MA's), (197, 29806), (198, 29815), (229, 29923), (236, 29944), (238, 29956), (243, 29980), (285, 30151), (300, 30211), (314, 30268), (331, 30322), (339, 30337), (371, 30439), (373, 30445), (382, 30478), (383, 30481), (402, 30559), (405, 30574), (429, 30679), (452, 30793), (487, 30892), (498, 30916),

Gene: Oogway_36 Start: 28960, Stop: 30462, Start Num: 109
Candidate Starts for Oogway_36:
(Start: 60 @28879 has 24 MA's), (Start: 64 @28885 has 2 MA's), (Start: 69 @28891 has 9 MA's), (Start: 70 @28894 has 7 MA's), (Start: 77 @28909 has 2 MA's), (Start: 109 @28960 has 197 MA's), (Start: 132 @29068 has 1 MA's), (Start: 153 @29185 has 1 MA's), (157, 29206), (Start: 195 @29335 has 1 MA's), (197, 29344), (198, 29353), (229, 29461), (236, 29482), (238, 29494), (243, 29518), (285, 29689), (300, 29749), (314, 29806), (324, 29833), (331, 29860), (332, 29863), (339, 29875), (360, 29944), (371, 29977), (373, 29983), (382, 30016), (402, 30097), (405, 30112), (429, 30217), (452, 30331), (487, 30430), (498, 30454),

Gene: OzzyJ_51 Start: 36081, Stop: 37724, Start Num: 31
Candidate Starts for OzzyJ_51:
(10, 35901), (Start: 31 @36081 has 7 MA's), (Start: 42 @36147 has 21 MA's), (Start: 115 @36267 has 3 MA's), (124, 36306), (134, 36366), (Start: 138 @36384 has 1 MA's), (147, 36435), (164, 36516), (165, 36519), (189, 36591), (191, 36600), (192, 36603), (232, 36756), (246, 36813), (247, 36816), (249, 36825), (337, 37119), (346, 37149), (371, 37248), (377, 37272), (380, 37281), (387, 37305), (403, 37377), (448, 37566), (461, 37605), (469, 37629), (474, 37644), (480, 37659),

Gene: PP_41 Start: 31804, Stop: 30374, Start Num: 101
Candidate Starts for PP_41:
(Start: 101 @31804 has 3 MA's), (Start: 109 @31789 has 197 MA's), (130, 31696), (169, 31507), (241, 31252), (299, 31051), (313, 30994), (343, 30904), (348, 30889), (413, 30658), (417, 30643), (490, 30388),

Gene: PSullivan_36 Start: 28610, Stop: 30097, Start Num: 114
Candidate Starts for PSullivan_36:
(Start: 60 @28514 has 24 MA's), (Start: 64 @28520 has 2 MA's), (Start: 69 @28526 has 9 MA's), (Start: 70 @28529 has 7 MA's), (Start: 77 @28544 has 2 MA's), (Start: 109 @28595 has 197 MA's), (Start: 111 @28604 has 2 MA's), (Start: 114 @28610 has 7 MA's), (134, 28712), (Start: 138 @28730 has 1 MA's), (139, 28742), (Start: 151 @28814 has 1 MA's), (Start: 153 @28820 has 1 MA's), (156, 28832), (157, 28841), (192, 28958), (Start: 195 @28970 has 1 MA's), (197, 28979), (198, 28988), (227, 29090), (229, 29096), (236, 29117), (238, 29129), (253, 29195), (285, 29324), (300, 29384), (314, 29441), (331, 29495), (339, 29510), (371, 29612), (373, 29618), (382, 29651), (383, 29654), (399, 29717), (405, 29747), (429, 29852), (452, 29966), (487, 30065), (498, 30089),

Gene: PacerPaul_38 Start: 29421, Stop: 30920, Start Num: 109
Candidate Starts for PacerPaul_38:

(Start: 60 @29340 has 24 MA's), (Start: 64 @29346 has 2 MA's), (Start: 69 @29352 has 9 MA's), (Start: 70 @29355 has 7 MA's), (Start: 77 @29370 has 2 MA's), (Start: 109 @29421 has 197 MA's), (Start: 114 @29436 has 7 MA's), (Start: 151 @29640 has 1 MA's), (Start: 153 @29646 has 1 MA's), (157, 29667), (Start: 195 @29796 has 1 MA's), (197, 29805), (198, 29814), (229, 29922), (236, 29943), (238, 29955), (243, 29979), (285, 30150), (300, 30210), (314, 30267), (324, 30294), (331, 30321), (332, 30324), (339, 30336), (371, 30435), (382, 30474), (383, 30477), (402, 30555), (405, 30570), (452, 30789), (487, 30888), (498, 30912),

Gene: Palestino_32 Start: 26637, Stop: 25123, Start Num: 106
Candidate Starts for Palestino_32:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Panamaxus_33 Start: 27229, Stop: 25721, Start Num: 109
Candidate Starts for Panamaxus_33:
(Start: 101 @27244 has 3 MA's), (Start: 109 @27229 has 197 MA's), (Start: 110 @27223 has 3 MA's), (Start: 111 @27220 has 2 MA's), (146, 27052), (147, 27046), (176, 26929), (194, 26869), (224, 26752), (236, 26713), (242, 26686), (244, 26674), (271, 26539), (309, 26386), (338, 26296), (350, 26257), (377, 26167), (390, 26125), (393, 26113), (403, 26068), (408, 26047), (456, 25834), (463, 25813),

Gene: Papez_39 Start: 31106, Stop: 32608, Start Num: 109
Candidate Starts for Papez_39:
(Start: 60 @31025 has 24 MA's), (Start: 64 @31031 has 2 MA's), (Start: 69 @31037 has 9 MA's), (Start: 70 @31040 has 7 MA's), (Start: 77 @31055 has 2 MA's), (Start: 109 @31106 has 197 MA's), (Start: 114 @31121 has 7 MA's), (Start: 151 @31325 has 1 MA's), (Start: 153 @31331 has 1 MA's), (157, 31352), (Start: 195 @31481 has 1 MA's), (197, 31490), (198, 31499), (229, 31607), (236, 31628), (238, 31640), (243, 31664), (253, 31706), (285, 31835), (300, 31895), (314, 31952), (324, 31979), (331, 32006), (332, 32009), (339, 32021), (360, 32090), (373, 32129), (382, 32162), (402, 32243), (405, 32258), (429, 32363), (452, 32477), (487, 32576), (498, 32600),

Gene: Paphu_36 Start: 29268, Stop: 30851, Start Num: 60
Candidate Starts for Paphu_36:
(Start: 60 @29268 has 24 MA's), (Start: 64 @29274 has 2 MA's), (Start: 69 @29280 has 9 MA's), (Start: 70 @29283 has 7 MA's), (Start: 77 @29298 has 2 MA's), (Start: 109 @29349 has 197 MA's), (Start: 114 @29364 has 7 MA's), (116, 29373), (Start: 151 @29568 has 1 MA's), (Start: 153 @29574 has 1 MA's), (157, 29595), (Start: 195 @29724 has 1 MA's), (197, 29733), (198, 29742), (229, 29850), (236, 29871), (238, 29883), (243, 29907), (253, 29949), (285, 30078), (300, 30138), (314, 30195), (324, 30222), (331, 30249), (339, 30264), (360, 30333), (373, 30372), (382, 30405), (402, 30486), (405, 30501), (429, 30606), (452, 30720), (456, 30732), (487, 30819), (498, 30843),

Gene: Paraselene_36 Start: 29765, Stop: 31279, Start Num: 109
Candidate Starts for Paraselene_36:
(Start: 60 @29684 has 24 MA's), (Start: 64 @29690 has 2 MA's), (Start: 69 @29696 has 9 MA's), (Start: 70 @29699 has 7 MA's), (Start: 77 @29714 has 2 MA's), (Start: 109 @29765 has 197 MA's), (Start: 151 @29984 has 1 MA's), (Start: 153 @29990 has 1 MA's), (156, 30002), (157, 30011), (192, 30128), (Start: 195 @30140 has 1 MA's), (197, 30149), (198, 30158), (229, 30266), (236, 30287), (238, 30299), (243, 30323), (253, 30365), (282, 30479), (285, 30494), (300, 30554), (314, 30611), (324, 30638), (331, 30665), (332, 30668), (339, 30680), (373, 30788), (382, 30821), (402, 30902), (405, 30917), (452, 31136),

Gene: Pari_38 Start: 29191, Stop: 30693, Start Num: 109
Candidate Starts for Pari_38:
(Start: 79 @29146 has 3 MA's), (Start: 109 @29191 has 197 MA's), (Start: 114 @29206 has 7 MA's), (116, 29215), (Start: 153 @29416 has 1 MA's), (166, 29470), (Start: 195 @29566 has 1 MA's), (197, 29575), (198, 29584), (229, 29692), (236, 29713), (238, 29725), (243, 29749), (253, 29791), (285, 29920), (300, 29980), (314, 30037), (331, 30091), (339, 30106), (371, 30208), (373, 30214), (382, 30247), (402, 30328), (405, 30343), (429, 30448), (452, 30562), (487, 30661), (498, 30685),

Gene: Parliament_36 Start: 29511, Stop: 31013, Start Num: 109
Candidate Starts for Parliament_36:
(Start: 60 @29430 has 24 MA's), (Start: 64 @29436 has 2 MA's), (Start: 69 @29442 has 9 MA's), (Start: 70 @29445 has 7 MA's), (Start: 77 @29460 has 2 MA's), (Start: 109 @29511 has 197 MA's), (Start: 153 @29736 has 1 MA's), (Start: 195 @29886 has 1 MA's), (197, 29895), (198, 29904), (224, 30000), (229, 30012), (236, 30033), (238, 30045), (243, 30069), (253, 30111), (285, 30240), (300, 30300), (314, 30357), (331, 30411), (339, 30426), (373, 30534), (382, 30567), (402, 30648), (405, 30663), (452, 30882), (487, 30981), (498, 31005),

Gene: Partridge_29 Start: 23682, Stop: 22174, Start Num: 95
Candidate Starts for Partridge_29:
(Start: 95 @23682 has 33 MA's), (Start: 109 @23661 has 197 MA's), (Start: 110 @23655 has 3 MA's), (Start: 138 @23526 has 1 MA's), (147, 23478), (197, 23286), (203, 23247), (226, 23175), (242, 23115), (244, 23103), (270, 23010), (275, 22977), (281, 22956), (285, 22938), (288, 22926), (293, 22911), (296, 22905), (303, 22857), (312, 22824), (329, 22767), (343, 22728), (345, 22722), (391, 22572), (424, 22431), (493, 22185),

Gene: PascalRango_38 Start: 29461, Stop: 30963, Start Num: 109
Candidate Starts for PascalRango_38:
(Start: 60 @29380 has 24 MA's), (Start: 64 @29386 has 2 MA's), (Start: 69 @29392 has 9 MA's), (Start: 70 @29395 has 7 MA's), (Start: 77 @29410 has 2 MA's), (Start: 109 @29461 has 197 MA's), (Start: 151 @29680 has 1 MA's), (Start: 153 @29686 has 1 MA's), (157, 29707), (Start: 195 @29836 has 1 MA's), (197, 29845), (198, 29854), (229, 29962), (236, 29983), (238, 29995), (243, 30019), (253, 30061), (285, 30190), (300, 30250), (314, 30307), (324, 30334), (331, 30361), (339, 30376), (373, 30484), (382, 30517), (402, 30598), (405, 30613), (452, 30832), (487, 30931), (498, 30955),

Gene: PattyP_39 Start: 29688, Stop: 31190, Start Num: 109
Candidate Starts for PattyP_39:
(Start: 60 @29607 has 24 MA's), (Start: 64 @29613 has 2 MA's), (Start: 69 @29619 has 9 MA's), (Start: 70 @29622 has 7 MA's), (Start: 77 @29637 has 2 MA's), (Start: 109 @29688 has 197 MA's), (Start: 112 @29700 has 3 MA's), (Start: 153 @29913 has 1 MA's), (156, 29925), (157, 29934), (166, 29967), (Start: 195 @30063 has 1 MA's), (197, 30072), (198, 30081), (229, 30189), (236, 30210), (238, 30222), (243, 30246), (253, 30288), (285, 30417), (300, 30477), (314, 30534), (331, 30588), (332, 30591), (339, 30603), (360, 30672), (371, 30705), (373, 30711), (382, 30744), (402, 30825), (405, 30840), (429, 30945), (452, 31059), (487, 31158), (498, 31182),

Gene: PeaceMeal1_32 Start: 23843, Stop: 25498, Start Num: 100
Candidate Starts for PeaceMeal1_32:
(78, 23804), (Start: 100 @23843 has 39 MA's), (Start: 108 @23852 has 2 MA's), (Start: 111 @23870 has 2 MA's), (Start: 118 @23894 has 1 MA's), (Start: 132 @23969 has 1 MA's), (134, 23978), (Start: 138 @23996 has 1 MA's), (Start: 151 @24080 has 1 MA's), (152, 24083), (159, 24119), (191, 24221), (197, 24245), (198, 24254), (224, 24350), (244, 24425), (245, 24434), (246, 24437), (276, 24554), (282, 24575), (285, 24590), (288, 24602), (299, 24650), (310, 24695), (331, 24767), (342, 24791), (373, 24911), (377, 24929), (378, 24932), (379, 24935), (414, 25070), (452, 25259), (486, 25352),

(498, 25382), (501, 25406), (504, 25454), (505, 25472),

Gene: Peaches_33 Start: 26645, Stop: 25122, Start Num: 100
Candidate Starts for Peaches_33:
(Start: 83 @26678 has 1 MA's), (Start: 100 @26645 has 39 MA's), (Start: 106 @26636 has 100 MA's), (139, 26474), (Start: 151 @26408 has 1 MA's), (156, 26390), (174, 26315), (180, 26291), (191, 26252), (192, 26249), (212, 26162), (241, 26048), (243, 26036), (287, 25853), (313, 25742), (329, 25691), (369, 25562), (372, 25553), (393, 25478), (395, 25472), (422, 25349), (431, 25310), (476, 25160), (481, 25145),

Gene: Pelly_37 Start: 29676, Stop: 31163, Start Num: 114
Candidate Starts for Pelly_37:
(Start: 60 @29580 has 24 MA's), (Start: 64 @29586 has 2 MA's), (Start: 69 @29592 has 9 MA's), (Start: 70 @29595 has 7 MA's), (Start: 77 @29610 has 2 MA's), (Start: 109 @29661 has 197 MA's), (Start: 114 @29676 has 7 MA's), (116, 29685), (Start: 151 @29880 has 1 MA's), (Start: 153 @29886 has 1 MA's), (157, 29907), (Start: 195 @30036 has 1 MA's), (197, 30045), (198, 30054), (229, 30162), (236, 30183), (238, 30195), (243, 30219), (253, 30261), (285, 30390), (300, 30450), (314, 30507), (331, 30561), (332, 30564), (339, 30576), (373, 30684), (382, 30717), (402, 30798), (405, 30813), (429, 30918), (452, 31032), (487, 31131), (498, 31155),

Gene: Pepe_33 Start: 27246, Stop: 28529, Start Num: 151
Candidate Starts for Pepe_33:
(Start: 151 @27246 has 1 MA's), (Start: 153 @27252 has 1 MA's), (157, 27273), (192, 27390), (Start: 195 @27402 has 1 MA's), (197, 27411), (198, 27420), (199, 27426), (224, 27516), (229, 27528), (238, 27561), (285, 27756), (300, 27816), (314, 27873), (331, 27927), (339, 27942), (373, 28050), (382, 28083), (402, 28164), (405, 28179), (452, 28398), (487, 28497), (498, 28521),

Gene: Perplexer_33 Start: 26653, Stop: 25130, Start Num: 100
Candidate Starts for Perplexer_33:
(Start: 83 @26686 has 1 MA's), (Start: 100 @26653 has 39 MA's), (Start: 106 @26644 has 100 MA's), (139, 26482), (Start: 151 @26416 has 1 MA's), (156, 26398), (174, 26323), (191, 26260), (192, 26257), (212, 26170), (243, 26044), (287, 25861), (300, 25804), (313, 25750), (329, 25699), (369, 25570), (372, 25561), (393, 25486), (395, 25480), (421, 25366), (422, 25357), (431, 25318), (476, 25168), (481, 25153),

Gene: Perseus_39 Start: 30449, Stop: 31951, Start Num: 109
Candidate Starts for Perseus_39:
(Start: 55 @30359 has 1 MA's), (Start: 60 @30368 has 24 MA's), (Start: 64 @30374 has 2 MA's), (Start: 69 @30380 has 9 MA's), (Start: 70 @30383 has 7 MA's), (Start: 77 @30398 has 2 MA's), (Start: 109 @30449 has 197 MA's), (Start: 114 @30464 has 7 MA's), (Start: 151 @30668 has 1 MA's), (Start: 153 @30674 has 1 MA's), (192, 30812), (Start: 195 @30824 has 1 MA's), (197, 30833), (198, 30842), (229, 30950), (236, 30971), (238, 30983), (243, 31007), (253, 31049), (285, 31178), (300, 31238), (314, 31295), (324, 31322), (331, 31349), (332, 31352), (339, 31364), (373, 31472), (382, 31505), (402, 31586), (405, 31601), (452, 31820), (487, 31919), (498, 31943),

Gene: PeterPeter_33 Start: 26637, Stop: 25123, Start Num: 106
Candidate Starts for PeterPeter_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Peterson_40 Start: 31280, Stop: 32779, Start Num: 109
Candidate Starts for Peterson_40:
(Start: 109 @31280 has 197 MA's), (Start: 151 @31499 has 1 MA's), (Start: 153 @31505 has 1 MA's), (156, 31517), (157, 31526), (166, 31559), (176, 31589), (178, 31592), (Start: 195 @31655 has 1 MA's), (198, 31673), (224, 31769), (229, 31781), (238, 31814), (256, 31892), (258, 31907), (285, 32009), (300, 32069), (310, 32111), (314, 32126), (324, 32153), (327, 32168), (329, 32171), (331, 32180), (339, 32195), (371, 32294), (382, 32333), (393, 32372), (395, 32378), (402, 32414), (405, 32429), (410, 32444), (425, 32519), (452, 32648), (487, 32747), (498, 32771),

Gene: PetiteSangsue_33 Start: 26647, Stop: 25133, Start Num: 106
Candidate Starts for PetiteSangsue_33:
(Start: 83 @26689 has 1 MA's), (Start: 100 @26656 has 39 MA's), (Start: 106 @26647 has 100 MA's), (139, 26485), (Start: 151 @26419 has 1 MA's), (156, 26401), (174, 26326), (191, 26263), (192, 26260), (212, 26173), (243, 26047), (287, 25864), (300, 25807), (313, 25753), (329, 25702), (369, 25573), (372, 25564), (393, 25489), (395, 25483), (421, 25369), (422, 25360), (431, 25321), (476, 25171), (481, 25156),

Gene: Petp2012_39 Start: 30278, Stop: 31861, Start Num: 60
Candidate Starts for Petp2012_39:
(Start: 60 @30278 has 24 MA's), (Start: 64 @30284 has 2 MA's), (Start: 69 @30290 has 9 MA's), (Start: 70 @30293 has 7 MA's), (Start: 77 @30308 has 2 MA's), (Start: 109 @30359 has 197 MA's), (Start: 112 @30371 has 3 MA's), (Start: 153 @30584 has 1 MA's), (156, 30596), (157, 30605), (166, 30638), (Start: 195 @30734 has 1 MA's), (197, 30743), (198, 30752), (229, 30860), (236, 30881), (238, 30893), (243, 30917), (253, 30959), (285, 31088), (300, 31148), (314, 31205), (324, 31232), (331, 31259), (332, 31262), (339, 31274), (360, 31343), (371, 31376), (373, 31382), (382, 31415), (402, 31496), (405, 31511), (429, 31616), (452, 31730), (487, 31829), (498, 31853),

Gene: Petruchio_38 Start: 29593, Stop: 31176, Start Num: 60
Candidate Starts for Petruchio_38:
(Start: 60 @29593 has 24 MA's), (Start: 64 @29599 has 2 MA's), (Start: 69 @29605 has 9 MA's), (Start: 70 @29608 has 7 MA's), (Start: 77 @29623 has 2 MA's), (Start: 109 @29674 has 197 MA's), (Start: 114 @29689 has 7 MA's), (Start: 153 @29899 has 1 MA's), (Start: 195 @30049 has 1 MA's), (198, 30067), (229, 30175), (236, 30196), (238, 30208), (243, 30232), (253, 30274), (285, 30403), (300, 30463), (314, 30520), (324, 30547), (331, 30574), (332, 30577), (339, 30589), (362, 30667), (373, 30697), (382, 30730), (393, 30769), (402, 30811), (405, 30826), (429, 30931), (452, 31045), (487, 31144), (498, 31168),

Gene: PetterN_32 Start: 25311, Stop: 23830, Start Num: 109
Candidate Starts for PetterN_32:
(90, 25338), (Start: 109 @25311 has 197 MA's), (Start: 119 @25275 has 3 MA's), (Start: 138 @25176 has 1 MA's), (143, 25140), (Start: 153 @25092 has 1 MA's), (161, 25050), (170, 25026), (181, 24999), (191, 24960), (197, 24936), (236, 24792), (306, 24498), (322, 24453), (329, 24423), (339, 24399), (343, 24384), (361, 24324), (376, 24273), (377, 24264), (393, 24210), (400, 24177), (417, 24111), (431, 24048), (460, 23919), (493, 23841),

Gene: Phacado_33 Start: 26636, Stop: 25122, Start Num: 106
Candidate Starts for Phacado_33:
(Start: 83 @26678 has 1 MA's), (Start: 100 @26645 has 39 MA's), (Start: 106 @26636 has 100 MA's), (139, 26474), (Start: 151 @26408 has 1 MA's), (156, 26390), (174, 26315), (180, 26291), (191, 26252), (192, 26249), (212, 26162), (241, 26048), (243, 26036), (287, 25853), (313, 25742), (329, 25691), (369, 25562), (372, 25553), (393, 25478), (395, 25472), (422, 25349), (431, 25310), (476, 25160), (481, 25145),

Gene: PhailMary_28 Start: 23958, Stop: 22462, Start Num: 95
Candidate Starts for PhailMary_28:
(Start: 95 @23958 has 33 MA's), (Start: 109 @23937 has 197 MA's), (Start: 110 @23931 has 3 MA's), (Start: 138 @23802 has 1 MA's), (147, 23754), (165, 23667), (197, 23562), (226, 23451), (242, 23391), (244, 23379), (258, 23316), (270, 23286), (275, 23253), (281, 23232), (288, 23202), (296, 23181), (302, 23136), (303, 23133), (304, 23127), (329, 23043), (343, 23004), (345, 22998), (376, 22902), (384, 22869), (391, 22848), (393, 22839), (431, 22677),

Gene: PherrisBueller_38 Start: 29250, Stop: 30752, Start Num: 109
Candidate Starts for PherrisBueller_38:
(Start: 60 @29169 has 24 MA's), (Start: 64 @29175 has 2 MA's), (Start: 69 @29181 has 9 MA's), (Start: 77 @29199 has 2 MA's), (Start: 109 @29250 has 197 MA's), (Start: 153 @29475 has 1 MA's), (Start: 195 @29625 has 1 MA's), (197, 29634), (198, 29643), (236, 29772), (238, 29784), (243, 29808), (285, 29979), (300, 30039), (314, 30096), (331, 30150), (332, 30153), (339, 30165), (373, 30273), (382, 30306), (402, 30387), (405, 30402), (452, 30621), (487, 30720), (498, 30744),

Gene: Phighter1804_33 Start: 26682, Stop: 25120, Start Num: 73
Candidate Starts for Phighter1804_33:
(Start: 73 @26682 has 8 MA's), (Start: 109 @26616 has 197 MA's), (Start: 115 @26598 has 3 MA's), (128, 26541), (130, 26523), (136, 26493), (Start: 138 @26481 has 1 MA's), (161, 26355), (169, 26334), (181, 26304), (191, 26265), (199, 26226), (225, 26136), (241, 26076), (254, 26022), (288, 25884), (354, 25653), (376, 25563), (385, 25527), (393, 25500), (404, 25446), (406, 25437), (453, 25227), (460, 25209), (466, 25197), (471, 25188),

Gene: Phillis_30 Start: 25078, Stop: 23576, Start Num: 106
Candidate Starts for Phillis_30:
(65, 25147), (Start: 83 @25120 has 1 MA's), (87, 25114), (Start: 106 @25078 has 100 MA's), (Start: 138 @24928 has 1 MA's), (157, 24823), (174, 24757), (177, 24739), (191, 24697), (192, 24694), (212, 24607), (243, 24481), (267, 24388), (276, 24340), (287, 24298), (301, 24238), (329, 24136), (369, 24001), (390, 23929), (415, 23824), (422, 23788), (431, 23749), (437, 23725), (470, 23617),

Gene: Phives_54 Start: 37471, Stop: 38946, Start Num: 99
Candidate Starts for Phives_54:
(Start: 95 @37462 has 33 MA's), (Start: 99 @37471 has 4 MA's), (183, 37792), (248, 38071), (288, 38245), (346, 38437), (411, 38674), (449, 38836),

Gene: Phlorence_30 Start: 25886, Stop: 24393, Start Num: 109
Candidate Starts for Phlorence_30:
(Start: 109 @25886 has 197 MA's), (Start: 118 @25853 has 1 MA's), (Start: 119 @25850 has 3 MA's), (Start: 123 @25832 has 4 MA's), (Start: 138 @25751 has 1 MA's), (168, 25607), (178, 25580), (192, 25532), (236, 25367), (241, 25343), (242, 25340), (245, 25319), (296, 25130), (343, 24959), (377, 24824), (390, 24782), (393, 24770), (413, 24686), (417, 24671), (421, 24656), (460, 24479), (477, 24449), (488, 24416),

Gene: Phontbonne_33 Start: 26573, Stop: 25077, Start Num: 109
Candidate Starts for Phontbonne_33:
(Start: 73 @26639 has 8 MA's), (Start: 109 @26573 has 197 MA's), (Start: 115 @26555 has 3 MA's), (127, 26501), (136, 26450), (Start: 138 @26438 has 1 MA's), (161, 26312), (169, 26291), (181, 26261), (191, 26222), (199, 26183), (225, 26093), (241, 26033), (254, 25979), (288, 25841), (354, 25610), (376, 25520), (385, 25484), (393, 25457), (406, 25394), (453, 25184), (460, 25166), (466, 25154), (471, 25145),

Gene: Phoxy_36 Start: 27306, Stop: 25738, Start Num: 106

Candidate Starts for Phoxy_36:
(37, 27456), (40, 27441), (87, 27342), (Start: 106 @27306 has 100 MA's), (157, 27051), (163, 27027), (177, 26967), (191, 26919), (192, 26916), (212, 26829), (217, 26817), (221, 26796), (226, 26772), (243, 26703), (261, 26634), (265, 26625), (287, 26520), (296, 26475), (329, 26343), (356, 26259), (371, 26202), (422, 25995), (452, 25854),

Gene: Phrankenstein_29 Start: 23582, Stop: 22086, Start Num: 95
Candidate Starts for Phrankenstein_29:
(Start: 95 @23582 has 33 MA's), (Start: 109 @23561 has 197 MA's), (Start: 110 @23555 has 3 MA's), (Start: 138 @23426 has 1 MA's), (147, 23378), (197, 23186), (226, 23075), (242, 23015), (244, 23003), (258, 22940), (270, 22910), (275, 22877), (281, 22856), (288, 22826), (293, 22811), (296, 22805), (303, 22757), (312, 22724), (329, 22667), (343, 22628), (345, 22622), (376, 22526), (384, 22493), (391, 22472), (393, 22463), (431, 22301),

Gene: PhrostyMug_38 Start: 29522, Stop: 31114, Start Num: 55
Candidate Starts for PhrostyMug_38:
(Start: 55 @29522 has 1 MA's), (Start: 60 @29531 has 24 MA's), (Start: 64 @29537 has 2 MA's), (Start: 69 @29543 has 9 MA's), (Start: 70 @29546 has 7 MA's), (Start: 77 @29561 has 2 MA's), (Start: 109 @29612 has 197 MA's), (Start: 114 @29627 has 7 MA's), (Start: 151 @29831 has 1 MA's), (Start: 153 @29837 has 1 MA's), (Start: 195 @29987 has 1 MA's), (197, 29996), (198, 30005), (229, 30113), (236, 30134), (238, 30146), (243, 30170), (253, 30212), (285, 30341), (300, 30401), (314, 30458), (331, 30512), (339, 30527), (373, 30635), (382, 30668), (395, 30713), (402, 30749), (405, 30764), (452, 30983), (487, 31082), (498, 31106),

Gene: PickleBack_30 Start: 25546, Stop: 24107, Start Num: 123
Candidate Starts for PickleBack_30:
(Start: 109 @25600 has 197 MA's), (Start: 118 @25567 has 1 MA's), (Start: 119 @25564 has 3 MA's), (Start: 123 @25546 has 4 MA's), (Start: 138 @25465 has 1 MA's), (168, 25321), (178, 25294), (192, 25246), (236, 25081), (241, 25057), (242, 25054), (245, 25033), (296, 24844), (343, 24673), (377, 24538), (390, 24496), (393, 24484), (413, 24400), (417, 24385), (421, 24370), (460, 24193), (477, 24163), (488, 24130),

Gene: PinkPlastic_36 Start: 29201, Stop: 30703, Start Num: 109
Candidate Starts for PinkPlastic_36:
(Start: 60 @29120 has 24 MA's), (Start: 64 @29126 has 2 MA's), (Start: 69 @29132 has 9 MA's), (Start: 70 @29135 has 7 MA's), (Start: 77 @29150 has 2 MA's), (Start: 109 @29201 has 197 MA's), (Start: 114 @29216 has 7 MA's), (Start: 151 @29420 has 1 MA's), (Start: 153 @29426 has 1 MA's), (192, 29564), (Start: 195 @29576 has 1 MA's), (197, 29585), (198, 29594), (229, 29702), (236, 29723), (238, 29735), (253, 29801), (285, 29930), (300, 29990), (314, 30047), (324, 30074), (331, 30101), (339, 30116), (360, 30185), (371, 30218), (373, 30224), (382, 30257), (402, 30338), (405, 30353), (429, 30458), (452, 30572), (487, 30671), (498, 30695),

Gene: Pinto_39 Start: 29632, Stop: 31134, Start Num: 109
Candidate Starts for Pinto_39:
(47, 29530), (54, 29542), (Start: 60 @29551 has 24 MA's), (Start: 64 @29557 has 2 MA's), (Start: 69 @29563 has 9 MA's), (Start: 70 @29566 has 7 MA's), (Start: 77 @29581 has 2 MA's), (Start: 109 @29632 has 197 MA's), (Start: 111 @29641 has 2 MA's), (Start: 114 @29647 has 7 MA's), (116, 29656), (Start: 118 @29665 has 1 MA's), (Start: 151 @29851 has 1 MA's), (Start: 153 @29857 has 1 MA's), (156, 29869), (157, 29878), (192, 29995), (Start: 195 @30007 has 1 MA's), (197, 30016), (198, 30025), (224, 30121), (229, 30133), (238, 30166), (253, 30232), (285, 30361), (300, 30421), (314, 30478), (331, 30532), (339, 30547), (371, 30649), (373, 30655), (382, 30688), (383, 30691), (399, 30754), (405, 30784), (429, 30889), (452, 31003), (487, 31102), (498, 31126),

Gene: Pipcraft_33 Start: 26646, Stop: 25123, Start Num: 100
Candidate Starts for Pipcraft_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Pippin_39 Start: 29765, Stop: 31279, Start Num: 109
Candidate Starts for Pippin_39:
(Start: 60 @29684 has 24 MA's), (Start: 64 @29690 has 2 MA's), (Start: 69 @29696 has 9 MA's), (Start: 70 @29699 has 7 MA's), (Start: 77 @29714 has 2 MA's), (Start: 109 @29765 has 197 MA's), (Start: 114 @29780 has 7 MA's), (Start: 151 @29984 has 1 MA's), (Start: 153 @29990 has 1 MA's), (157, 30011), (192, 30128), (Start: 195 @30140 has 1 MA's), (197, 30149), (198, 30158), (229, 30266), (236, 30287), (238, 30299), (243, 30323), (253, 30365), (285, 30494), (300, 30554), (314, 30611), (324, 30638), (331, 30665), (332, 30668), (339, 30680), (360, 30749), (371, 30782), (373, 30788), (382, 30821), (402, 30902), (405, 30917), (429, 31022), (452, 31136),

Gene: Pita2_39 Start: 30092, Stop: 31594, Start Num: 109
Candidate Starts for Pita2_39:
(Start: 60 @30011 has 24 MA's), (Start: 64 @30017 has 2 MA's), (Start: 69 @30023 has 9 MA's), (Start: 70 @30026 has 7 MA's), (Start: 77 @30041 has 2 MA's), (Start: 109 @30092 has 197 MA's), (Start: 111 @30101 has 2 MA's), (Start: 114 @30107 has 7 MA's), (134, 30209), (Start: 138 @30227 has 1 MA's), (139, 30239), (Start: 151 @30311 has 1 MA's), (Start: 153 @30317 has 1 MA's), (156, 30329), (157, 30338), (192, 30455), (Start: 195 @30467 has 1 MA's), (197, 30476), (198, 30485), (227, 30587), (229, 30593), (236, 30614), (238, 30626), (253, 30692), (285, 30821), (300, 30881), (314, 30938), (331, 30992), (339, 31007), (371, 31109), (373, 31115), (382, 31148), (383, 31151), (399, 31214), (405, 31244), (429, 31349), (452, 31463), (487, 31562), (498, 31586),

Gene: Pixelle_53 Start: 38117, Stop: 39577, Start Num: 102
Candidate Starts for Pixelle_53:
(61, 38054), (97, 38108), (Start: 102 @38117 has 1 MA's), (148, 38303), (154, 38336), (191, 38474), (194, 38486), (220, 38585), (234, 38636), (256, 38729), (344, 39062), (411, 39305), (485, 39563),

Gene: Pocahontas_34 Start: 27226, Stop: 25718, Start Num: 109
Candidate Starts for Pocahontas_34:
(Start: 101 @27241 has 3 MA's), (Start: 109 @27226 has 197 MA's), (Start: 110 @27220 has 3 MA's), (Start: 111 @27217 has 2 MA's), (146, 27049), (147, 27043), (176, 26926), (194, 26866), (224, 26749), (236, 26710), (242, 26683), (244, 26671), (271, 26536), (309, 26383), (338, 26293), (350, 26254), (377, 26164), (390, 26122), (393, 26110), (403, 26065), (408, 26044), (456, 25831), (463, 25810),

Gene: Poompha_32 Start: 23841, Stop: 25496, Start Num: 100
Candidate Starts for Poompha_32:
(78, 23802), (Start: 100 @23841 has 39 MA's), (Start: 108 @23850 has 2 MA's), (Start: 111 @23868 has 2 MA's), (Start: 118 @23892 has 1 MA's), (Start: 132 @23967 has 1 MA's), (134, 23976), (Start: 138 @23994 has 1 MA's), (Start: 151 @24078 has 1 MA's), (152, 24081), (159, 24117), (191, 24219), (197, 24243), (198, 24252), (224, 24348), (236, 24384), (244, 24423), (245, 24432), (246, 24435), (276, 24552), (282, 24573), (285, 24588), (288, 24600), (299, 24648), (310, 24693), (331, 24765), (342, 24789), (373, 24909), (377, 24927), (378, 24930), (379, 24933), (414, 25068), (452, 25257), (486, 25350), (498, 25380), (501, 25404), (504, 25452), (505, 25470),

Gene: Popcicle_34 Start: 27226, Stop: 25718, Start Num: 109

Candidate Starts for Popcicle_34:
(Start: 101 @27241 has 3 MA's), (Start: 109 @27226 has 197 MA's), (Start: 110 @27220 has 3 MA's), (Start: 111 @27217 has 2 MA's), (146, 27049), (147, 27043), (176, 26926), (194, 26866), (224, 26749), (236, 26710), (242, 26683), (244, 26671), (271, 26536), (309, 26383), (338, 26293), (350, 26254), (377, 26164), (390, 26122), (393, 26110), (403, 26065), (408, 26044), (456, 25831), (463, 25810),

Gene: Powerpuff_52 Start: 36416, Stop: 37834, Start Num: 100
Candidate Starts for Powerpuff_52:
(92, 36398), (Start: 99 @36413 has 4 MA's), (Start: 100 @36416 has 39 MA's), (Start: 109 @36425 has 197 MA's), (133, 36539), (Start: 138 @36563 has 1 MA's), (Start: 153 @36647 has 1 MA's), (189, 36758), (192, 36770), (194, 36779), (220, 36878), (243, 36971), (245, 36983), (253, 37010), (301, 37169), (391, 37490), (394, 37502), (402, 37535), (438, 37673),

Gene: Pumbaa_33 Start: 26690, Stop: 25128, Start Num: 73
Candidate Starts for Pumbaa_33:
(Start: 73 @26690 has 8 MA's), (Start: 109 @26624 has 197 MA's), (Start: 115 @26606 has 3 MA's), (128, 26549), (130, 26531), (136, 26501), (Start: 138 @26489 has 1 MA's), (161, 26363), (169, 26342), (181, 26312), (191, 26273), (225, 26144), (241, 26084), (254, 26030), (288, 25892), (354, 25661), (376, 25571), (385, 25535), (393, 25508), (404, 25454), (406, 25445), (453, 25235), (460, 25217), (466, 25205), (471, 25196),

Gene: Pumpkins_75 Start: 35749, Stop: 37167, Start Num: 100
Candidate Starts for Pumpkins_75:
(92, 35731), (Start: 99 @35746 has 4 MA's), (Start: 100 @35749 has 39 MA's), (Start: 109 @35758 has 197 MA's), (Start: 153 @35980 has 1 MA's), (189, 36091), (192, 36103), (194, 36112), (220, 36211), (231, 36253), (243, 36304), (276, 36400), (369, 36748), (384, 36802), (385, 36805), (391, 36823), (394, 36835),

Gene: QTRlifeCrisis_41 Start: 30185, Stop: 31672, Start Num: 114
Candidate Starts for QTRlifeCrisis_41:
(Start: 60 @30089 has 24 MA's), (Start: 64 @30095 has 2 MA's), (Start: 69 @30101 has 9 MA's), (Start: 70 @30104 has 7 MA's), (Start: 77 @30119 has 2 MA's), (Start: 109 @30170 has 197 MA's), (Start: 114 @30185 has 7 MA's), (Start: 151 @30389 has 1 MA's), (Start: 153 @30395 has 1 MA's), (156, 30407), (157, 30416), (Start: 195 @30545 has 1 MA's), (197, 30554), (198, 30563), (229, 30671), (236, 30692), (238, 30704), (243, 30728), (253, 30770), (285, 30899), (292, 30917), (300, 30959), (314, 31016), (324, 31043), (331, 31070), (332, 31073), (339, 31085), (360, 31154), (371, 31187), (373, 31193), (382, 31226), (402, 31307), (405, 31322), (429, 31427), (452, 31541), (487, 31640), (498, 31664),

Gene: QuinnKiro_33 Start: 27229, Stop: 25721, Start Num: 109
Candidate Starts for QuinnKiro_33:
(Start: 101 @27244 has 3 MA's), (Start: 109 @27229 has 197 MA's), (Start: 110 @27223 has 3 MA's), (Start: 111 @27220 has 2 MA's), (146, 27052), (147, 27046), (176, 26929), (194, 26869), (224, 26752), (236, 26713), (242, 26686), (244, 26674), (271, 26539), (309, 26386), (338, 26296), (350, 26257), (377, 26167), (390, 26125), (393, 26113), (403, 26068), (408, 26047), (456, 25834), (463, 25813),

Gene: RER2_22 Start: 20508, Stop: 19012, Start Num: 95
Candidate Starts for RER2_22:
(Start: 95 @20508 has 33 MA's), (Start: 109 @20487 has 197 MA's), (Start: 110 @20481 has 3 MA's), (Start: 138 @20352 has 1 MA's), (147, 20304), (165, 20217), (197, 20112), (226, 20001), (242, 19941), (244, 19929), (258, 19866), (270, 19836), (275, 19803), (281, 19782), (288, 19752), (296,

19731), (302, 19686), (303, 19683), (304, 19677), (329, 19593), (343, 19554), (345, 19548), (376, 19452), (384, 19419), (391, 19398), (393, 19389), (431, 19227),

Gene: RGL3_22 Start: 20966, Stop: 19488, Start Num: 109
Candidate Starts for RGL3_22:
(67, 21038), (Start: 95 @20987 has 33 MA's), (Start: 109 @20966 has 197 MA's), (Start: 110 @20960 has 3 MA's), (Start: 138 @20831 has 1 MA's), (139, 20819), (166, 20690), (178, 20657), (191, 20612), (211, 20528), (226, 20477), (244, 20408), (254, 20369), (256, 20360), (268, 20324), (276, 20279), (290, 20228), (295, 20213), (296, 20210), (304, 20159), (310, 20141), (323, 20102), (329, 20078), (331, 20069), (333, 20063), (343, 20039), (348, 20021), (357, 20000), (375, 19946), (377, 19934), (429, 19727), (430, 19721), (431, 19718), (442, 19661), (450, 19622), (451, 19619), (458, 19595), (460, 19589),

Gene: Rajelicia_37 Start: 29587, Stop: 31089, Start Num: 109
Candidate Starts for Rajelicia_37:
(Start: 60 @29506 has 24 MA's), (Start: 64 @29512 has 2 MA's), (Start: 69 @29518 has 9 MA's), (Start: 70 @29521 has 7 MA's), (Start: 77 @29536 has 2 MA's), (Start: 109 @29587 has 197 MA's), (Start: 114 @29602 has 7 MA's), (Start: 153 @29812 has 1 MA's), (156, 29824), (157, 29833), (Start: 195 @29962 has 1 MA's), (197, 29971), (198, 29980), (229, 30088), (236, 30109), (238, 30121), (243, 30145), (253, 30187), (285, 30316), (300, 30376), (314, 30433), (324, 30460), (331, 30487), (332, 30490), (339, 30502), (360, 30571), (371, 30604), (373, 30610), (382, 30643), (402, 30724), (405, 30739), (429, 30844), (452, 30958), (487, 31057), (498, 31081),

Gene: Rana_51 Start: 35146, Stop: 36723, Start Num: 42
Candidate Starts for Rana_51:
(Start: 31 @35080 has 7 MA's), (Start: 42 @35146 has 21 MA's), (Start: 115 @35266 has 3 MA's), (Start: 138 @35383 has 1 MA's), (147, 35434), (164, 35515), (165, 35518), (189, 35590), (191, 35599), (192, 35602), (193, 35605), (197, 35623), (232, 35755), (246, 35812), (247, 35815), (249, 35824), (255, 35848), (279, 35917), (310, 36043), (312, 36052), (337, 36118), (346, 36148), (371, 36247), (377, 36271), (380, 36280), (387, 36304), (403, 36376), (448, 36565), (461, 36604), (469, 36628), (474, 36643), (480, 36658),

Gene: Rasputin_29 Start: 23605, Stop: 22109, Start Num: 95
Candidate Starts for Rasputin_29:
(Start: 95 @23605 has 33 MA's), (Start: 109 @23584 has 197 MA's), (Start: 110 @23578 has 3 MA's), (Start: 138 @23449 has 1 MA's), (147, 23401), (197, 23209), (203, 23170), (226, 23098), (242, 23038), (244, 23026), (270, 22933), (275, 22900), (281, 22879), (285, 22861), (288, 22849), (293, 22834), (296, 22828), (303, 22780), (312, 22747), (329, 22690), (343, 22651), (345, 22645), (376, 22549), (384, 22516), (391, 22495), (393, 22486), (431, 22324),

Gene: Rebeuca_35 Start: 27045, Stop: 25537, Start Num: 109
Candidate Starts for Rebeuca_35:
(Start: 109 @27045 has 197 MA's), (Start: 110 @27039 has 3 MA's), (Start: 115 @27027 has 3 MA's), (116, 27021), (133, 26934), (Start: 138 @26910 has 1 MA's), (176, 26745), (224, 26568), (236, 26529), (238, 26517), (241, 26505), (242, 26502), (244, 26490), (299, 26244), (303, 26223), (332, 26121), (350, 26073), (375, 25995), (378, 25980), (385, 25956), (390, 25941), (403, 25884), (408, 25863), (463, 25629),

Gene: RedBear_51 Start: 36343, Stop: 37929, Start Num: 41
Candidate Starts for RedBear_51:
(Start: 31 @36286 has 7 MA's), (Start: 41 @36343 has 5 MA's), (Start: 42 @36352 has 21 MA's), (Start: 115 @36472 has 3 MA's), (Start: 138 @36589 has 1 MA's), (147, 36640), (164, 36721), (165, 36724), (189, 36796), (191, 36805), (192, 36808), (232, 36961), (236, 36970), (246, 37018), (249,

37030), (255, 37054), (279, 37123), (280, 37126), (312, 37258), (337, 37324), (346, 37354), (371, 37453), (376, 37468), (377, 37477), (380, 37486), (387, 37510), (403, 37582), (448, 37771), (461, 37810), (466, 37825), (469, 37834), (474, 37849),

Gene: Reedo_49 Start: 33722, Stop: 35224, Start Num: 72
Candidate Starts for Reedo_49:
(Start: 72 @33722 has 3 MA's), (94, 33761), (Start: 102 @33779 has 1 MA's), (148, 33959), (Start: 151 @33983 has 1 MA's), (167, 34046), (183, 34082), (198, 34160), (266, 34430), (273, 34469), (277, 34481), (282, 34499), (288, 34526), (299, 34571), (421, 34985), (435, 35045), (441, 35078), (468, 35162),

Gene: Relief_33 Start: 26637, Stop: 25123, Start Num: 106
Candidate Starts for Relief_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: ResDef_34 Start: 27223, Stop: 25721, Start Num: 110
Candidate Starts for ResDef_34:
(Start: 101 @27244 has 3 MA's), (Start: 109 @27229 has 197 MA's), (Start: 110 @27223 has 3 MA's), (Start: 111 @27220 has 2 MA's), (146, 27052), (147, 27046), (176, 26929), (194, 26869), (224, 26752), (236, 26713), (242, 26686), (244, 26674), (271, 26539), (309, 26386), (338, 26296), (350, 26257), (377, 26167), (390, 26125), (393, 26113), (403, 26068), (408, 26047), (456, 25834), (463, 25813),

Gene: RexFury_29 Start: 23667, Stop: 22171, Start Num: 95
Candidate Starts for RexFury_29:
(Start: 95 @23667 has 33 MA's), (Start: 109 @23646 has 197 MA's), (Start: 110 @23640 has 3 MA's), (Start: 138 @23511 has 1 MA's), (147, 23463), (165, 23376), (197, 23271), (226, 23160), (235, 23130), (242, 23100), (244, 23088), (258, 23025), (270, 22995), (275, 22962), (281, 22941), (288, 22911), (293, 22896), (296, 22890), (303, 22842), (312, 22809), (329, 22752), (343, 22713), (345, 22707), (376, 22611), (384, 22578), (391, 22557), (393, 22548), (431, 22386),

Gene: Rhodalysa_29 Start: 23636, Stop: 22140, Start Num: 95
Candidate Starts for Rhodalysa_29:
(Start: 95 @23636 has 33 MA's), (Start: 109 @23615 has 197 MA's), (Start: 110 @23609 has 3 MA's), (Start: 138 @23480 has 1 MA's), (147, 23432), (197, 23240), (226, 23129), (242, 23069), (244, 23057), (258, 22994), (270, 22964), (275, 22931), (281, 22910), (288, 22880), (293, 22865), (296, 22859), (303, 22811), (312, 22778), (329, 22721), (343, 22682), (345, 22676), (376, 22580), (384, 22547), (391, 22526), (393, 22517), (431, 22355),

Gene: RhynO_35 Start: 27045, Stop: 25519, Start Num: 109
Candidate Starts for RhynO_35:
(Start: 101 @27060 has 3 MA's), (Start: 109 @27045 has 197 MA's), (Start: 138 @26910 has 1 MA's), (236, 26529), (242, 26502), (244, 26490), (298, 26250), (303, 26223), (316, 26178), (325, 26151), (338, 26112), (350, 26073), (375, 25995), (385, 25956), (390, 25941), (403, 25884), (408, 25863), (429, 25776), (450, 25671), (456, 25650), (458, 25644), (484, 25575),

Gene: Rhynn_37 Start: 29603, Stop: 31105, Start Num: 109
Candidate Starts for Rhynn_37:

(Start: 60 @29522 has 24 MA's), (Start: 64 @29528 has 2 MA's), (Start: 69 @29534 has 9 MA's), (Start: 70 @29537 has 7 MA's), (Start: 77 @29552 has 2 MA's), (Start: 109 @29603 has 197 MA's), (Start: 114 @29618 has 7 MA's), (126, 29669), (Start: 153 @29828 has 1 MA's), (Start: 195 @29978 has 1 MA's), (197, 29987), (198, 29996), (229, 30104), (236, 30125), (238, 30137), (243, 30161), (253, 30203), (285, 30332), (300, 30392), (314, 30449), (324, 30476), (331, 30503), (339, 30518), (360, 30587), (373, 30626), (382, 30659), (402, 30740), (405, 30755), (429, 30860), (452, 30974), (487, 31073), (498, 31097),

Gene: RidgeCB_37 Start: 29192, Stop: 30691, Start Num: 109
Candidate Starts for RidgeCB_37:
(Start: 79 @29147 has 3 MA's), (Start: 109 @29192 has 197 MA's), (Start: 114 @29207 has 7 MA's), (116, 29216), (139, 29339), (Start: 151 @29411 has 1 MA's), (Start: 153 @29417 has 1 MA's), (157, 29438), (166, 29471), (Start: 195 @29567 has 1 MA's), (197, 29576), (198, 29585), (229, 29693), (236, 29714), (238, 29726), (243, 29750), (253, 29792), (285, 29921), (300, 29981), (314, 30038), (324, 30065), (331, 30092), (332, 30095), (339, 30107), (371, 30206), (382, 30245), (402, 30326), (405, 30341), (429, 30446), (452, 30560), (456, 30572), (487, 30659), (498, 30683),

Gene: Ringer_38 Start: 30000, Stop: 31502, Start Num: 109
Candidate Starts for Ringer_38:
(Start: 55 @29910 has 1 MA's), (Start: 60 @29919 has 24 MA's), (Start: 64 @29925 has 2 MA's), (Start: 69 @29931 has 9 MA's), (Start: 70 @29934 has 7 MA's), (Start: 77 @29949 has 2 MA's), (Start: 109 @30000 has 197 MA's), (Start: 114 @30015 has 7 MA's), (116, 30024), (Start: 151 @30219 has 1 MA's), (Start: 153 @30225 has 1 MA's), (Start: 195 @30375 has 1 MA's), (197, 30384), (198, 30393), (199, 30399), (224, 30489), (229, 30501), (238, 30534), (285, 30729), (300, 30789), (314, 30846), (331, 30900), (339, 30915), (371, 31017), (373, 31023), (382, 31056), (402, 31137), (405, 31152), (452, 31371), (487, 31470), (498, 31494),

Gene: Roary_30 Start: 24978, Stop: 23476, Start Num: 106
Candidate Starts for Roary_30:
(65, 25047), (Start: 83 @25020 has 1 MA's), (87, 25014), (Start: 106 @24978 has 100 MA's), (Start: 138 @24828 has 1 MA's), (157, 24723), (174, 24657), (177, 24639), (191, 24597), (192, 24594), (212, 24507), (241, 24393), (243, 24381), (267, 24288), (276, 24240), (287, 24198), (301, 24138), (329, 24036), (369, 23901), (390, 23829), (395, 23811), (415, 23724), (422, 23688), (431, 23649), (450, 23565), (470, 23517),

Gene: Rohr_38 Start: 29540, Stop: 31123, Start Num: 60
Candidate Starts for Rohr_38:
(Start: 60 @29540 has 24 MA's), (Start: 64 @29546 has 2 MA's), (Start: 69 @29552 has 9 MA's), (Start: 70 @29555 has 7 MA's), (Start: 77 @29570 has 2 MA's), (Start: 109 @29621 has 197 MA's), (Start: 111 @29630 has 2 MA's), (Start: 114 @29636 has 7 MA's), (116, 29645), (Start: 118 @29654 has 1 MA's), (Start: 153 @29846 has 1 MA's), (156, 29858), (157, 29867), (166, 29900), (Start: 195 @29996 has 1 MA's), (197, 30005), (198, 30014), (229, 30122), (236, 30143), (238, 30155), (243, 30179), (253, 30221), (285, 30350), (300, 30410), (314, 30467), (324, 30494), (331, 30521), (332, 30524), (339, 30536), (360, 30605), (371, 30638), (373, 30644), (382, 30677), (402, 30758), (405, 30773), (429, 30878), (452, 30992), (487, 31091), (498, 31115),

Gene: Romney_33 Start: 26646, Stop: 25123, Start Num: 100
Candidate Starts for Romney_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (243, 26037), (245, 26025), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Roosevelt_33 Start: 26639, Stop: 25125, Start Num: 106
Candidate Starts for Roosevelt_33:
(Start: 83 @26681 has 1 MA's), (Start: 100 @26648 has 39 MA's), (Start: 106 @26639 has 100 MA's), (139, 26477), (Start: 151 @26411 has 1 MA's), (156, 26393), (174, 26318), (180, 26294), (191, 26255), (192, 26252), (212, 26165), (241, 26051), (243, 26039), (287, 25856), (313, 25745), (329, 25694), (369, 25565), (372, 25556), (393, 25481), (395, 25475), (422, 25352), (431, 25313), (476, 25163), (481, 25148),

Gene: Rufus_39 Start: 29957, Stop: 31459, Start Num: 109
Candidate Starts for Rufus_39:
(Start: 60 @29876 has 24 MA's), (Start: 64 @29882 has 2 MA's), (Start: 69 @29888 has 9 MA's), (Start: 70 @29891 has 7 MA's), (Start: 77 @29906 has 2 MA's), (Start: 109 @29957 has 197 MA's), (Start: 151 @30176 has 1 MA's), (Start: 153 @30182 has 1 MA's), (157, 30203), (192, 30320), (Start: 195 @30332 has 1 MA's), (197, 30341), (198, 30350), (229, 30458), (236, 30479), (238, 30491), (243, 30515), (253, 30557), (285, 30686), (300, 30746), (314, 30803), (324, 30830), (331, 30857), (339, 30872), (373, 30980), (382, 31013), (399, 31079), (405, 31109), (429, 31214), (452, 31328), (487, 31427), (498, 31451),

Gene: Ruin_33 Start: 26633, Stop: 25119, Start Num: 106
Candidate Starts for Ruin_33:
(Start: 83 @26675 has 1 MA's), (Start: 100 @26642 has 39 MA's), (Start: 106 @26633 has 100 MA's), (139, 26471), (Start: 151 @26405 has 1 MA's), (156, 26387), (174, 26312), (180, 26288), (191, 26249), (192, 26246), (212, 26159), (241, 26045), (243, 26033), (287, 25850), (313, 25739), (329, 25688), (369, 25559), (372, 25550), (393, 25475), (395, 25469), (422, 25346), (431, 25307), (476, 25157), (481, 25142),

Gene: Rummer_36 Start: 27306, Stop: 25738, Start Num: 106
Candidate Starts for Rummer_36:
(37, 27456), (40, 27441), (87, 27342), (Start: 106 @27306 has 100 MA's), (157, 27051), (163, 27027), (177, 26967), (191, 26919), (192, 26916), (212, 26829), (217, 26817), (221, 26796), (226, 26772), (243, 26703), (261, 26634), (265, 26625), (287, 26520), (296, 26475), (329, 26343), (356, 26259), (371, 26202), (422, 25995), (452, 25854),

Gene: Ruotula_37 Start: 30065, Stop: 31648, Start Num: 60
Candidate Starts for Ruotula_37:
(Start: 60 @30065 has 24 MA's), (Start: 64 @30071 has 2 MA's), (Start: 69 @30077 has 9 MA's), (Start: 70 @30080 has 7 MA's), (Start: 77 @30095 has 2 MA's), (Start: 109 @30146 has 197 MA's), (Start: 132 @30254 has 1 MA's), (Start: 153 @30371 has 1 MA's), (157, 30392), (Start: 195 @30521 has 1 MA's), (197, 30530), (198, 30539), (229, 30647), (236, 30668), (238, 30680), (243, 30704), (253, 30746), (285, 30875), (300, 30935), (314, 30992), (331, 31046), (339, 31061), (360, 31130), (373, 31169), (382, 31202), (402, 31283), (405, 31298), (452, 31517), (487, 31616), (498, 31640),

Gene: Rutherferd_39 Start: 30225, Stop: 31727, Start Num: 109
Candidate Starts for Rutherferd_39:
(Start: 60 @30144 has 24 MA's), (Start: 64 @30150 has 2 MA's), (Start: 69 @30156 has 9 MA's), (Start: 70 @30159 has 7 MA's), (Start: 77 @30174 has 2 MA's), (Start: 109 @30225 has 197 MA's), (116, 30249), (Start: 151 @30444 has 1 MA's), (Start: 153 @30450 has 1 MA's), (156, 30462), (157, 30471), (Start: 195 @30600 has 1 MA's), (197, 30609), (198, 30618), (229, 30726), (236, 30747), (238, 30759), (243, 30783), (253, 30825), (285, 30954), (300, 31014), (314, 31071), (324, 31098), (331, 31125), (339, 31140), (371, 31242), (373, 31248), (382, 31281), (402, 31362), (405, 31377), (452, 31596), (487, 31695), (498, 31719),

Gene: STLscum_38 Start: 30309, Stop: 31877, Start Num: 70
Candidate Starts for STLscum_38:
(Start: 60 @30294 has 24 MA's), (Start: 64 @30300 has 2 MA's), (Start: 69 @30306 has 9 MA's), (Start: 70 @30309 has 7 MA's), (Start: 77 @30324 has 2 MA's), (Start: 109 @30375 has 197 MA's), (Start: 132 @30483 has 1 MA's), (Start: 151 @30594 has 1 MA's), (Start: 153 @30600 has 1 MA's), (157, 30621), (Start: 195 @30750 has 1 MA's), (197, 30759), (198, 30768), (229, 30876), (236, 30897), (238, 30909), (243, 30933), (253, 30975), (285, 31104), (300, 31164), (314, 31221), (324, 31248), (331, 31275), (332, 31278), (339, 31290), (373, 31398), (382, 31431), (402, 31512), (405, 31527), (429, 31632), (452, 31746), (487, 31845), (498, 31869),

Gene: Sabertooth_33 Start: 26636, Stop: 25122, Start Num: 106
Candidate Starts for Sabertooth_33:
(Start: 83 @26678 has 1 MA's), (Start: 100 @26645 has 39 MA's), (Start: 106 @26636 has 100 MA's), (139, 26474), (Start: 151 @26408 has 1 MA's), (156, 26390), (174, 26315), (180, 26291), (191, 26252), (192, 26249), (212, 26162), (241, 26048), (243, 26036), (287, 25853), (313, 25742), (329, 25691), (369, 25562), (372, 25553), (393, 25478), (395, 25472), (422, 25349), (431, 25310), (476, 25160), (481, 25145),

Gene: Sagefire_39 Start: 30397, Stop: 31899, Start Num: 109
Candidate Starts for Sagefire_39:
(Start: 60 @30316 has 24 MA's), (Start: 64 @30322 has 2 MA's), (Start: 69 @30328 has 9 MA's), (Start: 70 @30331 has 7 MA's), (Start: 77 @30346 has 2 MA's), (Start: 109 @30397 has 197 MA's), (Start: 111 @30406 has 2 MA's), (Start: 132 @30505 has 1 MA's), (134, 30514), (Start: 153 @30622 has 1 MA's), (157, 30643), (Start: 195 @30772 has 1 MA's), (197, 30781), (198, 30790), (229, 30898), (236, 30919), (238, 30931), (243, 30955), (253, 30997), (285, 31126), (300, 31186), (314, 31243), (324, 31270), (331, 31297), (332, 31300), (339, 31312), (371, 31414), (373, 31420), (402, 31534), (405, 31549), (429, 31654), (452, 31768), (487, 31867), (498, 31891),

Gene: Samora_57 Start: 39181, Stop: 40836, Start Num: 76
Candidate Starts for Samora_57:
(Start: 76 @39181 has 1 MA's), (Start: 99 @39226 has 4 MA's), (104, 39235), (Start: 109 @39247 has 197 MA's), (Start: 117 @39277 has 2 MA's), (152, 39463), (Start: 153 @39466 has 1 MA's), (159, 39499), (161, 39508), (172, 39547), (174, 39553), (182, 39583), (190, 39613), (192, 39625), (193, 39628), (203, 39682), (204, 39685), (210, 39703), (214, 39712), (233, 39781), (289, 40039), (291, 40051), (300, 40096), (310, 40141), (312, 40156), (330, 40213), (331, 40219), (340, 40249), (357, 40294), (388, 40408), (390, 40414), (408, 40492), (450, 40681), (451, 40684), (476, 40759), (480, 40771),

Gene: Samy_94 Start: 56925, Stop: 58457, Start Num: 82
Candidate Starts for Samy_94:
(Start: 46 @56856 has 1 MA's), (58, 56877), (Start: 82 @56925 has 2 MA's), (125, 57030), (128, 57042), (155, 57189), (170, 57246), (188, 57324), (197, 57369), (234, 57507), (237, 57516), (263, 57621), (277, 57654), (281, 57669), (286, 57690), (296, 57720), (310, 57789), (327, 57849), (345, 57912), (366, 57996), (369, 58011), (390, 58083), (400, 58122), (402, 58131), (408, 58155), (438, 58263), (439, 58266), (441, 58284), (495, 58434),

Gene: SarFire_37 Start: 29648, Stop: 31210, Start Num: 77
Candidate Starts for SarFire_37:
(Start: 60 @29618 has 24 MA's), (Start: 64 @29624 has 2 MA's), (Start: 69 @29630 has 9 MA's), (Start: 70 @29633 has 7 MA's), (Start: 77 @29648 has 2 MA's), (Start: 109 @29699 has 197 MA's), (Start: 151 @29918 has 1 MA's), (Start: 153 @29924 has 1 MA's), (156, 29936), (157, 29945), (Start: 195 @30074 has 1 MA's), (197, 30083), (198, 30092), (229, 30200), (236, 30221), (238, 30233), (243, 30257), (253, 30299), (285, 30428), (300, 30488), (314, 30545), (324, 30572), (331, 30599), (332,

30602), (339, 30614), (371, 30713), (382, 30752), (402, 30833), (405, 30848), (452, 31067),

Gene: SarahRose_50 Start: 36181, Stop: 37794, Start Num: 42
Candidate Starts for SarahRose_50:
(Start: 31 @36115 has 7 MA's), (Start: 41 @36172 has 5 MA's), (Start: 42 @36181 has 21 MA's), (Start: 115 @36328 has 3 MA's), (134, 36427), (Start: 138 @36445 has 1 MA's), (147, 36496), (164, 36577), (165, 36580), (189, 36652), (191, 36661), (192, 36664), (224, 36790), (232, 36817), (249, 36886), (260, 36931), (283, 37000), (290, 37027), (301, 37075), (312, 37123), (326, 37162), (337, 37189), (346, 37219), (377, 37342), (395, 37402), (403, 37447), (437, 37576), (445, 37627), (448, 37636), (461, 37675), (469, 37699), (474, 37714), (480, 37729), (485, 37744),

Gene: Scamp_33 Start: 26639, Stop: 25125, Start Num: 106
Candidate Starts for Scamp_33:
(Start: 83 @26681 has 1 MA's), (Start: 100 @26648 has 39 MA's), (Start: 106 @26639 has 100 MA's), (139, 26477), (Start: 151 @26411 has 1 MA's), (156, 26393), (174, 26318), (180, 26294), (191, 26255), (192, 26252), (212, 26165), (241, 26051), (243, 26039), (245, 26027), (287, 25856), (313, 25745), (329, 25694), (369, 25565), (372, 25556), (393, 25481), (395, 25475), (422, 25352), (431, 25313), (476, 25163), (481, 25148),

Gene: Scorpia_32 Start: 25388, Stop: 23907, Start Num: 109
Candidate Starts for Scorpia_32:
(90, 25415), (Start: 109 @25388 has 197 MA's), (Start: 119 @25352 has 3 MA's), (Start: 138 @25253 has 1 MA's), (Start: 153 @25169 has 1 MA's), (161, 25127), (170, 25103), (181, 25076), (191, 25037), (197, 25013), (236, 24869), (306, 24575), (311, 24557), (322, 24530), (329, 24500), (339, 24476), (343, 24461), (361, 24401), (376, 24350), (377, 24341), (393, 24287), (400, 24254), (417, 24188), (460, 23996), (493, 23918),

Gene: Scowl_37 Start: 29862, Stop: 31430, Start Num: 69
Candidate Starts for Scowl_37:
(Start: 60 @29850 has 24 MA's), (Start: 64 @29856 has 2 MA's), (Start: 69 @29862 has 9 MA's), (Start: 70 @29865 has 7 MA's), (Start: 77 @29880 has 2 MA's), (Start: 109 @29931 has 197 MA's), (Start: 151 @30150 has 1 MA's), (Start: 153 @30156 has 1 MA's), (157, 30177), (Start: 195 @30306 has 1 MA's), (197, 30315), (198, 30324), (229, 30432), (236, 30453), (238, 30465), (243, 30489), (253, 30531), (285, 30660), (300, 30720), (314, 30777), (331, 30831), (332, 30834), (339, 30846), (382, 30984), (402, 31065), (405, 31080), (429, 31185), (452, 31299), (456, 31311), (487, 31398), (498, 31422),

Gene: Seabiscuit_39 Start: 29433, Stop: 30935, Start Num: 109
Candidate Starts for Seabiscuit_39:
(Start: 60 @29352 has 24 MA's), (Start: 64 @29358 has 2 MA's), (Start: 69 @29364 has 9 MA's), (Start: 70 @29367 has 7 MA's), (Start: 77 @29382 has 2 MA's), (Start: 109 @29433 has 197 MA's), (Start: 151 @29652 has 1 MA's), (Start: 153 @29658 has 1 MA's), (192, 29796), (Start: 195 @29808 has 1 MA's), (197, 29817), (198, 29826), (199, 29832), (224, 29922), (229, 29934), (238, 29967), (279, 30135), (285, 30162), (300, 30222), (314, 30279), (324, 30306), (331, 30333), (339, 30348), (360, 30417), (373, 30456), (382, 30489), (399, 30555), (405, 30585), (420, 30648), (429, 30690), (432, 30705), (452, 30804), (487, 30903), (498, 30927),

Gene: Seanderson_38 Start: 30061, Stop: 31563, Start Num: 109
Candidate Starts for Seanderson_38:
(Start: 60 @29980 has 24 MA's), (Start: 64 @29986 has 2 MA's), (Start: 69 @29992 has 9 MA's), (Start: 70 @29995 has 7 MA's), (Start: 77 @30010 has 2 MA's), (Start: 109 @30061 has 197 MA's), (Start: 153 @30286 has 1 MA's), (157, 30307), (Start: 195 @30436 has 1 MA's), (197, 30445), (198, 30454), (229, 30562), (236, 30583), (238, 30595), (243, 30619), (285, 30790), (300, 30850), (314,

30907), (324, 30934), (331, 30961), (332, 30964), (339, 30976), (360, 31045), (371, 31078), (373, 31084), (382, 31117), (402, 31198), (405, 31213), (429, 31318), (452, 31432), (487, 31531), (498, 31555),

Gene: Severus_32 Start: 23850, Stop: 25496, Start Num: 108
Candidate Starts for Severus_32:
(78, 23802), (Start: 100 @23841 has 39 MA's), (Start: 108 @23850 has 2 MA's), (Start: 111 @23868 has 2 MA's), (Start: 118 @23892 has 1 MA's), (Start: 132 @23967 has 1 MA's), (134, 23976), (Start: 138 @23994 has 1 MA's), (Start: 151 @24078 has 1 MA's), (152, 24081), (159, 24117), (191, 24219), (197, 24243), (198, 24252), (224, 24348), (236, 24384), (244, 24423), (245, 24432), (246, 24435), (276, 24552), (282, 24573), (285, 24588), (288, 24600), (299, 24648), (310, 24693), (331, 24765), (342, 24789), (373, 24909), (377, 24927), (378, 24930), (379, 24933), (414, 25068), (452, 25257), (486, 25350), (498, 25380), (501, 25404), (504, 25452), (505, 25470),

Gene: Shaka_33 Start: 26646, Stop: 25123, Start Num: 100
Candidate Starts for Shaka_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: SheaKeira_35 Start: 26656, Stop: 25103, Start Num: 109
Candidate Starts for SheaKeira_35:
(51, 26761), (56, 26755), (Start: 109 @26656 has 197 MA's), (129, 26575), (Start: 138 @26521 has 1 MA's), (178, 26350), (241, 26116), (245, 26092), (288, 25924), (303, 25858), (329, 25771), (331, 25762), (336, 25741), (351, 25681), (393, 25531), (417, 25432), (419, 25423), (453, 25258), (460, 25240), (482, 25192), (485, 25183),

Gene: Sheen_34 Start: 28925, Stop: 27417, Start Num: 109
Candidate Starts for Sheen_34:
(Start: 101 @28940 has 3 MA's), (Start: 109 @28925 has 197 MA's), (139, 28778), (176, 28625), (194, 28565), (224, 28448), (236, 28409), (241, 28385), (242, 28382), (244, 28370), (271, 28235), (299, 28124), (303, 28103), (309, 28082), (338, 27992), (348, 27956), (350, 27953), (371, 27887), (377, 27863), (385, 27836), (390, 27821), (393, 27809), (400, 27776), (408, 27743), (450, 27551), (456, 27530), (463, 27509), (484, 27455),

Gene: Shuman_29 Start: 23649, Stop: 22141, Start Num: 95
Candidate Starts for Shuman_29:
(Start: 95 @23649 has 33 MA's), (Start: 109 @23628 has 197 MA's), (Start: 110 @23622 has 3 MA's), (Start: 138 @23493 has 1 MA's), (147, 23445), (165, 23358), (197, 23253), (226, 23142), (242, 23082), (244, 23070), (258, 23007), (270, 22977), (275, 22944), (281, 22923), (288, 22893), (293, 22878), (296, 22872), (303, 22824), (312, 22791), (329, 22734), (343, 22695), (345, 22689), (391, 22539), (431, 22368), (493, 22152),

Gene: Shygu2_33 Start: 26631, Stop: 25117, Start Num: 106
Candidate Starts for Shygu2_33:
(Start: 83 @26673 has 1 MA's), (Start: 100 @26640 has 39 MA's), (Start: 106 @26631 has 100 MA's), (Start: 118 @26586 has 1 MA's), (139, 26469), (Start: 151 @26403 has 1 MA's), (156, 26385), (174, 26310), (180, 26286), (191, 26247), (192, 26244), (212, 26157), (241, 26043), (243, 26031), (287, 25848), (300, 25791), (313, 25737), (329, 25686), (369, 25557), (372, 25548), (393, 25473), (395, 25467), (421, 25353), (422, 25344), (431, 25305), (476, 25155), (481, 25140),

Gene: Sibs6_38 Start: 28591, Stop: 30105, Start Num: 109
Candidate Starts for Sibs6_38:
(Start: 60 @28510 has 24 MA's), (Start: 64 @28516 has 2 MA's), (Start: 69 @28522 has 9 MA's), (Start: 70 @28525 has 7 MA's), (Start: 77 @28540 has 2 MA's), (Start: 109 @28591 has 197 MA's), (Start: 114 @28606 has 7 MA's), (Start: 151 @28810 has 1 MA's), (Start: 153 @28816 has 1 MA's), (157, 28837), (Start: 195 @28966 has 1 MA's), (197, 28975), (198, 28984), (224, 29080), (229, 29092), (238, 29125), (245, 29161), (285, 29320), (300, 29380), (314, 29437), (331, 29491), (339, 29506), (373, 29614), (382, 29647), (383, 29650), (402, 29728), (405, 29743), (452, 29962),

Gene: Simpson_52 Start: 35322, Stop: 36740, Start Num: 100
Candidate Starts for Simpson_52:
(92, 35304), (Start: 99 @35319 has 4 MA's), (Start: 100 @35322 has 39 MA's), (Start: 109 @35331 has 197 MA's), (133, 35445), (Start: 138 @35469 has 1 MA's), (Start: 153 @35553 has 1 MA's), (189, 35664), (192, 35676), (194, 35685), (220, 35784), (243, 35877), (245, 35889), (253, 35916), (288, 36021), (301, 36075), (391, 36396), (394, 36408), (402, 36441), (438, 36579),

Gene: SkiPole_40 Start: 29928, Stop: 31442, Start Num: 109
Candidate Starts for SkiPole_40:
(48, 29826), (Start: 53 @29838 has 1 MA's), (Start: 60 @29847 has 24 MA's), (Start: 64 @29853 has 2 MA's), (Start: 69 @29859 has 9 MA's), (Start: 70 @29862 has 7 MA's), (Start: 77 @29877 has 2 MA's), (Start: 109 @29928 has 197 MA's), (Start: 114 @29943 has 7 MA's), (116, 29952), (Start: 153 @30153 has 1 MA's), (156, 30165), (157, 30174), (Start: 195 @30303 has 1 MA's), (197, 30312), (198, 30321), (229, 30429), (236, 30450), (238, 30462), (243, 30486), (253, 30528), (285, 30657), (300, 30717), (314, 30774), (324, 30801), (331, 30828), (339, 30843), (360, 30912), (373, 30951), (382, 30984), (402, 31065), (405, 31080), (429, 31185), (452, 31299),

Gene: Skipitt_33 Start: 26634, Stop: 25120, Start Num: 106
Candidate Starts for Skipitt_33:
(Start: 83 @26676 has 1 MA's), (Start: 100 @26643 has 39 MA's), (Start: 106 @26634 has 100 MA's), (139, 26472), (Start: 151 @26406 has 1 MA's), (156, 26388), (174, 26313), (180, 26289), (191, 26250), (192, 26247), (212, 26160), (241, 26046), (243, 26034), (287, 25851), (313, 25740), (329, 25689), (369, 25560), (372, 25551), (393, 25476), (395, 25470), (422, 25347), (431, 25308), (476, 25158), (481, 25143),

Gene: Slagathor_38 Start: 29511, Stop: 31013, Start Num: 109
Candidate Starts for Slagathor_38:
(Start: 60 @29430 has 24 MA's), (Start: 64 @29436 has 2 MA's), (Start: 69 @29442 has 9 MA's), (Start: 70 @29445 has 7 MA's), (Start: 77 @29460 has 2 MA's), (Start: 109 @29511 has 197 MA's), (Start: 114 @29526 has 7 MA's), (Start: 153 @29736 has 1 MA's), (156, 29748), (157, 29757), (Start: 195 @29886 has 1 MA's), (197, 29895), (198, 29904), (229, 30012), (236, 30033), (238, 30045), (243, 30069), (253, 30111), (285, 30240), (300, 30300), (314, 30357), (324, 30384), (331, 30411), (332, 30414), (339, 30426), (360, 30495), (371, 30528), (373, 30534), (382, 30567), (402, 30648), (405, 30663), (429, 30768), (452, 30882), (487, 30981), (498, 31005),

Gene: Smairt_38 Start: 29608, Stop: 31107, Start Num: 109
Candidate Starts for Smairt_38:
(Start: 53 @29518 has 1 MA's), (Start: 79 @29563 has 3 MA's), (Start: 109 @29608 has 197 MA's), (Start: 114 @29623 has 7 MA's), (116, 29632), (139, 29755), (Start: 151 @29827 has 1 MA's), (Start: 153 @29833 has 1 MA's), (157, 29854), (Start: 195 @29983 has 1 MA's), (197, 29992), (198, 30001), (229, 30109), (236, 30130), (238, 30142), (243, 30166), (253, 30208), (285, 30337), (300, 30397), (314, 30454), (324, 30481), (331, 30508), (332, 30511), (339, 30523), (371, 30622), (382, 30661), (383, 30664), (402, 30742), (405, 30757), (452, 30976), (487, 31075), (498, 31099),

Gene: Smeadley_30 Start: 25011, Stop: 23509, Start Num: 106
Candidate Starts for Smeadley_30:
(65, 25080), (Start: 83 @25053 has 1 MA's), (87, 25047), (Start: 106 @25011 has 100 MA's), (Start: 138 @24861 has 1 MA's), (157, 24756), (174, 24690), (177, 24672), (191, 24630), (192, 24627), (212, 24540), (221, 24507), (243, 24414), (267, 24321), (276, 24273), (287, 24231), (301, 24171), (329, 24069), (390, 23862), (415, 23757), (422, 23721), (431, 23682), (450, 23598), (470, 23550),

Gene: Smeagol_39 Start: 30836, Stop: 32335, Start Num: 109
Candidate Starts for Smeagol_39:
(Start: 109 @30836 has 197 MA's), (Start: 114 @30851 has 7 MA's), (Start: 132 @30944 has 1 MA's), (Start: 138 @30971 has 1 MA's), (139, 30983), (Start: 151 @31055 has 1 MA's), (Start: 153 @31061 has 1 MA's), (156, 31073), (157, 31082), (166, 31115), (176, 31145), (178, 31148), (Start: 195 @31211 has 1 MA's), (198, 31229), (224, 31325), (229, 31337), (238, 31370), (243, 31394), (256, 31448), (258, 31463), (270, 31493), (285, 31565), (300, 31625), (310, 31667), (314, 31682), (324, 31709), (327, 31724), (329, 31727), (331, 31736), (339, 31751), (371, 31850), (382, 31889), (393, 31928), (395, 31934), (402, 31970), (405, 31985), (410, 32000), (429, 32090), (452, 32204), (453, 32210), (487, 32303), (498, 32327),

Gene: Snazzy_36 Start: 29422, Stop: 30936, Start Num: 109
Candidate Starts for Snazzy_36:
(Start: 60 @29341 has 24 MA's), (Start: 64 @29347 has 2 MA's), (Start: 69 @29353 has 9 MA's), (Start: 70 @29356 has 7 MA's), (Start: 77 @29371 has 2 MA's), (Start: 109 @29422 has 197 MA's), (Start: 114 @29437 has 7 MA's), (Start: 151 @29641 has 1 MA's), (Start: 153 @29647 has 1 MA's), (192, 29785), (Start: 195 @29797 has 1 MA's), (197, 29806), (198, 29815), (224, 29911), (229, 29923), (238, 29956), (245, 29992), (285, 30151), (300, 30211), (314, 30268), (324, 30295), (331, 30322), (339, 30337), (371, 30439), (373, 30445), (382, 30478), (383, 30481), (393, 30517), (402, 30559), (405, 30574), (429, 30679), (452, 30793),

Gene: Snek_51 Start: 34577, Stop: 36082, Start Num: 72
Candidate Starts for Snek_51:
(Start: 72 @34577 has 3 MA's), (94, 34616), (Start: 102 @34634 has 1 MA's), (148, 34820), (198, 35021), (222, 35102), (288, 35387), (328, 35516), (378, 35681), (421, 35843), (466, 36014), (468, 36020),

Gene: Snorlax_50 Start: 36206, Stop: 37819, Start Num: 42
Candidate Starts for Snorlax_50:
(Start: 31 @36140 has 7 MA's), (Start: 41 @36197 has 5 MA's), (Start: 42 @36206 has 21 MA's), (Start: 115 @36353 has 3 MA's), (134, 36452), (Start: 138 @36470 has 1 MA's), (147, 36521), (164, 36602), (165, 36605), (189, 36677), (191, 36686), (192, 36689), (224, 36815), (232, 36842), (249, 36911), (260, 36956), (283, 37025), (290, 37052), (301, 37100), (312, 37148), (326, 37187), (337, 37214), (346, 37244), (375, 37355), (377, 37367), (395, 37427), (403, 37472), (427, 37562), (437, 37601), (445, 37652), (448, 37661), (461, 37700), (469, 37724), (474, 37739), (480, 37754), (485, 37769),

Gene: Solon_37 Start: 29718, Stop: 31220, Start Num: 109
Candidate Starts for Solon_37:
(Start: 60 @29637 has 24 MA's), (Start: 64 @29643 has 2 MA's), (Start: 69 @29649 has 9 MA's), (Start: 70 @29652 has 7 MA's), (Start: 77 @29667 has 2 MA's), (Start: 109 @29718 has 197 MA's), (Start: 132 @29826 has 1 MA's), (Start: 151 @29937 has 1 MA's), (Start: 153 @29943 has 1 MA's), (157, 29964), (Start: 195 @30093 has 1 MA's), (197, 30102), (198, 30111), (229, 30219), (236, 30240), (238, 30252), (243, 30276), (253, 30318), (285, 30447), (300, 30507), (314, 30564), (324, 30591), (331, 30618), (339, 30633), (360, 30702), (373, 30741), (382, 30774), (402, 30855), (405, 30870), (429, 30975), (452, 31089), (456, 31101), (487, 31188), (498, 31212),

Gene: SororFago_38 Start: 28571, Stop: 26961, Start Num: 106
Candidate Starts for SororFago_38:
(38, 28712), (Start: 42 @28688 has 21 MA's), (58, 28649), (Start: 100 @28580 has 39 MA's), (Start: 106 @28571 has 100 MA's), (Start: 138 @28421 has 1 MA's), (157, 28316), (174, 28250), (175, 28244), (192, 28178), (194, 28169), (198, 28148), (241, 27977), (245, 27953), (251, 27932), (253, 27926), (261, 27896), (274, 27830), (276, 27824), (287, 27782), (296, 27764), (299, 27740), (313, 27683), (341, 27593), (378, 27479), (381, 27470), (393, 27428), (402, 27386), (412, 27347), (422, 27299), (439, 27230), (450, 27167), (457, 27146), (460, 27137), (469, 27113), (491, 27050), (500, 27011),

Gene: Soshari_38 Start: 27305, Stop: 25737, Start Num: 106
Candidate Starts for Soshari_38:
(37, 27455), (40, 27440), (87, 27341), (Start: 106 @27305 has 100 MA's), (157, 27050), (163, 27026), (177, 26966), (191, 26918), (192, 26915), (212, 26828), (217, 26816), (221, 26795), (226, 26771), (243, 26702), (261, 26633), (265, 26624), (287, 26519), (296, 26474), (329, 26342), (356, 26258), (371, 26201), (422, 25994), (452, 25853),

Gene: South40_50 Start: 36352, Stop: 37929, Start Num: 42
Candidate Starts for South40_50:
(Start: 31 @36286 has 7 MA's), (Start: 41 @36343 has 5 MA's), (Start: 42 @36352 has 21 MA's), (Start: 115 @36472 has 3 MA's), (Start: 138 @36589 has 1 MA's), (147, 36640), (164, 36721), (165, 36724), (189, 36796), (191, 36805), (192, 36808), (232, 36961), (236, 36970), (246, 37018), (249, 37030), (255, 37054), (279, 37123), (280, 37126), (312, 37258), (337, 37324), (346, 37354), (371, 37453), (376, 37468), (377, 37477), (380, 37486), (387, 37510), (403, 37582), (448, 37771), (461, 37810), (466, 37825), (469, 37834), (474, 37849),

Gene: Spike509_36 Start: 27306, Stop: 25738, Start Num: 106
Candidate Starts for Spike509_36:
(37, 27456), (40, 27441), (87, 27342), (Start: 106 @27306 has 100 MA's), (157, 27051), (163, 27027), (177, 26967), (191, 26919), (192, 26916), (212, 26829), (217, 26817), (221, 26796), (226, 26772), (243, 26703), (261, 26634), (265, 26625), (287, 26520), (296, 26475), (329, 26343), (356, 26259), (371, 26202), (422, 25995), (452, 25854),

Gene: SpikeBT_39 Start: 30421, Stop: 31968, Start Num: 79
Candidate Starts for SpikeBT_39:
(Start: 79 @30421 has 3 MA's), (Start: 109 @30466 has 197 MA's), (Start: 118 @30499 has 1 MA's), (Start: 151 @30685 has 1 MA's), (Start: 153 @30691 has 1 MA's), (157, 30712), (Start: 195 @30841 has 1 MA's), (197, 30850), (198, 30859), (229, 30967), (236, 30988), (238, 31000), (243, 31024), (253, 31066), (285, 31195), (300, 31255), (314, 31312), (324, 31339), (331, 31366), (332, 31369), (339, 31381), (360, 31450), (373, 31489), (382, 31522), (402, 31603), (405, 31618), (452, 31837), (456, 31849), (487, 31936), (498, 31960),

Gene: Spino_33 Start: 26637, Stop: 25123, Start Num: 106
Candidate Starts for Spino_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Squee_38 Start: 30273, Stop: 31787, Start Num: 109
Candidate Starts for Squee_38:

(Start: 60 @30192 has 24 MA's), (Start: 64 @30198 has 2 MA's), (Start: 69 @30204 has 9 MA's), (Start: 70 @30207 has 7 MA's), (Start: 77 @30222 has 2 MA's), (Start: 109 @30273 has 197 MA's), (Start: 153 @30498 has 1 MA's), (157, 30519), (192, 30636), (Start: 195 @30648 has 1 MA's), (197, 30657), (198, 30666), (229, 30774), (236, 30795), (238, 30807), (243, 30831), (253, 30873), (285, 31002), (300, 31062), (314, 31119), (331, 31173), (339, 31188), (373, 31296), (382, 31329), (383, 31332), (402, 31410), (405, 31425), (406, 31431), (452, 31644), (456, 31656),

Gene: StCroix_29 Start: 23649, Stop: 22141, Start Num: 95
Candidate Starts for StCroix_29:
(Start: 95 @23649 has 33 MA's), (Start: 109 @23628 has 197 MA's), (Start: 110 @23622 has 3 MA's), (Start: 138 @23493 has 1 MA's), (147, 23445), (165, 23358), (197, 23253), (226, 23142), (242, 23082), (244, 23070), (258, 23007), (270, 22977), (275, 22944), (281, 22923), (288, 22893), (293, 22878), (296, 22872), (303, 22824), (312, 22791), (329, 22734), (343, 22695), (345, 22689), (391, 22539), (431, 22368), (493, 22152),

Gene: Stasia_34 Start: 27079, Stop: 25547, Start Num: 106
Candidate Starts for Stasia_34:
(66, 27148), (Start: 83 @27121 has 1 MA's), (Start: 100 @27088 has 39 MA's), (Start: 106 @27079 has 100 MA's), (139, 26917), (Start: 151 @26851 has 1 MA's), (156, 26833), (174, 26758), (191, 26695), (192, 26692), (223, 26563), (243, 26479), (261, 26410), (273, 26347), (276, 26338), (287, 26296), (300, 26239), (313, 26185), (329, 26134), (352, 26053), (353, 26041), (369, 25987), (372, 25978), (393, 25903), (395, 25897), (422, 25774), (431, 25735), (476, 25585),

Gene: Stephig9_30 Start: 24993, Stop: 23491, Start Num: 106
Candidate Starts for Stephig9_30:
(65, 25062), (Start: 83 @25035 has 1 MA's), (87, 25029), (Start: 106 @24993 has 100 MA's), (Start: 138 @24843 has 1 MA's), (157, 24738), (174, 24672), (177, 24654), (191, 24612), (192, 24609), (212, 24522), (243, 24396), (267, 24303), (276, 24255), (287, 24213), (301, 24153), (329, 24051), (390, 23844), (415, 23739), (422, 23703), (431, 23664), (450, 23580), (470, 23532),

Gene: Stink_33 Start: 27165, Stop: 25744, Start Num: 128
Candidate Starts for Stink_33:
(Start: 73 @27306 has 8 MA's), (Start: 105 @27249 has 1 MA's), (Start: 109 @27240 has 197 MA's), (Start: 115 @27222 has 3 MA's), (128, 27165), (136, 27117), (Start: 138 @27105 has 1 MA's), (161, 26979), (169, 26958), (170, 26955), (181, 26928), (191, 26889), (225, 26760), (241, 26700), (288, 26508), (331, 26346), (385, 26151), (393, 26124), (404, 26070), (406, 26061), (453, 25851), (460, 25833), (466, 25821), (471, 25812), (479, 25794),

Gene: StrongArm_36 Start: 30501, Stop: 32003, Start Num: 109
Candidate Starts for StrongArm_36:
(Start: 60 @30420 has 24 MA's), (Start: 64 @30426 has 2 MA's), (Start: 69 @30432 has 9 MA's), (Start: 70 @30435 has 7 MA's), (Start: 77 @30450 has 2 MA's), (Start: 109 @30501 has 197 MA's), (Start: 153 @30726 has 1 MA's), (192, 30864), (Start: 195 @30876 has 1 MA's), (197, 30885), (198, 30894), (229, 31002), (236, 31023), (238, 31035), (243, 31059), (253, 31101), (282, 31215), (285, 31230), (300, 31290), (314, 31347), (324, 31374), (331, 31401), (332, 31404), (339, 31416), (373, 31524), (382, 31557), (402, 31638), (405, 31653), (452, 31872), (487, 31971), (498, 31995),

Gene: Sujidade_50 Start: 35406, Stop: 36983, Start Num: 42
Candidate Starts for Sujidade_50:
(Start: 31 @35340 has 7 MA's), (Start: 42 @35406 has 21 MA's), (Start: 115 @35526 has 3 MA's), (134, 35625), (Start: 138 @35643 has 1 MA's), (147, 35694), (164, 35775), (165, 35778), (189, 35850), (191, 35859), (192, 35862), (232, 36015), (246, 36072), (247, 36075), (249, 36084), (312, 36312), (337, 36378), (346, 36408), (371, 36507), (377, 36531), (380, 36540), (387, 36564), (403,

36636), (448, 36825), (461, 36864), (469, 36888), (474, 36903), (480, 36918),

Gene: Sumter_36 Start: 29449, Stop: 30951, Start Num: 109
Candidate Starts for Sumter_36:
(Start: 60 @29368 has 24 MA's), (Start: 64 @29374 has 2 MA's), (Start: 69 @29380 has 9 MA's), (Start: 70 @29383 has 7 MA's), (Start: 77 @29398 has 2 MA's), (Start: 109 @29449 has 197 MA's), (Start: 151 @29668 has 1 MA's), (Start: 153 @29674 has 1 MA's), (Start: 195 @29824 has 1 MA's), (197, 29833), (198, 29842), (229, 29950), (236, 29971), (238, 29983), (243, 30007), (253, 30049), (285, 30178), (300, 30238), (314, 30295), (324, 30322), (331, 30349), (332, 30352), (339, 30364), (373, 30472), (382, 30505), (402, 30586), (405, 30601), (429, 30706), (452, 30820), (487, 30919), (498, 30943),

Gene: Sunshine924_39 Start: 29417, Stop: 30931, Start Num: 109
Candidate Starts for Sunshine924_39:
(Start: 79 @29372 has 3 MA's), (Start: 109 @29417 has 197 MA's), (Start: 114 @29432 has 7 MA's), (116, 29441), (134, 29534), (Start: 151 @29636 has 1 MA's), (Start: 153 @29642 has 1 MA's), (157, 29663), (165, 29693), (192, 29780), (Start: 195 @29792 has 1 MA's), (197, 29801), (198, 29810), (229, 29918), (236, 29939), (238, 29951), (243, 29975), (253, 30017), (285, 30146), (300, 30206), (314, 30263), (331, 30317), (332, 30320), (339, 30332), (371, 30434), (373, 30440), (382, 30473), (395, 30518), (402, 30554), (405, 30569), (452, 30788),

Gene: Swann_29 Start: 23636, Stop: 22140, Start Num: 95
Candidate Starts for Swann_29:
(Start: 95 @23636 has 33 MA's), (Start: 109 @23615 has 197 MA's), (Start: 110 @23609 has 3 MA's), (Start: 138 @23480 has 1 MA's), (147, 23432), (197, 23240), (226, 23129), (242, 23069), (244, 23057), (258, 22994), (270, 22964), (275, 22931), (281, 22910), (288, 22880), (293, 22865), (296, 22859), (303, 22811), (312, 22778), (329, 22721), (343, 22682), (345, 22676), (376, 22580), (384, 22547), (391, 22526), (393, 22517), (431, 22355),

Gene: Swirley_30 Start: 25753, Stop: 24260, Start Num: 109
Candidate Starts for Swirley_30:
(Start: 109 @25753 has 197 MA's), (Start: 118 @25720 has 1 MA's), (Start: 119 @25717 has 3 MA's), (Start: 123 @25699 has 4 MA's), (Start: 138 @25618 has 1 MA's), (168, 25474), (178, 25447), (192, 25399), (236, 25234), (241, 25210), (242, 25207), (245, 25186), (296, 24997), (331, 24856), (343, 24826), (390, 24649), (393, 24637), (413, 24553), (417, 24538), (421, 24523), (460, 24346), (477, 24316), (488, 24283),

Gene: SwissCheese_39 Start: 30120, Stop: 31622, Start Num: 109
Candidate Starts for SwissCheese_39:
(Start: 60 @30039 has 24 MA's), (Start: 64 @30045 has 2 MA's), (Start: 69 @30051 has 9 MA's), (Start: 70 @30054 has 7 MA's), (Start: 77 @30069 has 2 MA's), (Start: 109 @30120 has 197 MA's), (Start: 114 @30135 has 7 MA's), (116, 30144), (Start: 151 @30339 has 1 MA's), (Start: 153 @30345 has 1 MA's), (156, 30357), (157, 30366), (Start: 195 @30495 has 1 MA's), (197, 30504), (198, 30513), (229, 30621), (236, 30642), (238, 30654), (243, 30678), (285, 30849), (300, 30909), (314, 30966), (331, 31020), (332, 31023), (339, 31035), (373, 31143), (382, 31176), (393, 31215), (402, 31257), (405, 31272), (452, 31491), (487, 31590), (498, 31614),

Gene: Switzer_38 Start: 29527, Stop: 31029, Start Num: 109
Candidate Starts for Switzer_38:
(Start: 60 @29446 has 24 MA's), (Start: 64 @29452 has 2 MA's), (Start: 69 @29458 has 9 MA's), (Start: 70 @29461 has 7 MA's), (Start: 77 @29476 has 2 MA's), (Start: 109 @29527 has 197 MA's), (Start: 153 @29752 has 1 MA's), (Start: 195 @29902 has 1 MA's), (197, 29911), (198, 29920), (229, 30028), (236, 30049), (238, 30061), (243, 30085), (253, 30127), (285, 30256), (300, 30316), (314,

30373), (324, 30400), (331, 30427), (339, 30442), (373, 30550), (382, 30583), (402, 30664), (405, 30679), (429, 30784), (452, 30898), (487, 30997), (498, 31021),

Gene: Swole_39 Start: 29424, Stop: 31001, Start Num: 64
Candidate Starts for Swole_39:
(Start: 60 @29418 has 24 MA's), (Start: 64 @29424 has 2 MA's), (Start: 69 @29430 has 9 MA's), (Start: 70 @29433 has 7 MA's), (Start: 77 @29448 has 2 MA's), (Start: 109 @29499 has 197 MA's), (Start: 114 @29514 has 7 MA's), (Start: 151 @29718 has 1 MA's), (Start: 153 @29724 has 1 MA's), (157, 29745), (166, 29778), (Start: 195 @29874 has 1 MA's), (197, 29883), (198, 29892), (227, 29994), (229, 30000), (236, 30021), (238, 30033), (243, 30057), (253, 30099), (285, 30228), (300, 30288), (314, 30345), (324, 30372), (331, 30399), (332, 30402), (339, 30414), (371, 30516), (373, 30522), (382, 30555), (383, 30558), (402, 30636), (405, 30651), (410, 30666), (429, 30756), (452, 30870), (487, 30969), (498, 30993),

Gene: SydNat_30 Start: 26035, Stop: 24545, Start Num: 109
Candidate Starts for SydNat_30:
(Start: 109 @26035 has 197 MA's), (Start: 118 @26002 has 1 MA's), (Start: 119 @25999 has 3 MA's), (Start: 123 @25981 has 4 MA's), (Start: 138 @25900 has 1 MA's), (160, 25780), (168, 25756), (178, 25729), (192, 25681), (236, 25519), (241, 25495), (242, 25492), (245, 25471), (260, 25414), (296, 25282), (331, 25141), (343, 25111), (377, 24976), (390, 24934), (393, 24922), (413, 24838), (417, 24823), (421, 24808), (460, 24631), (477, 24601),

Gene: TWAMP_29 Start: 23636, Stop: 22140, Start Num: 95
Candidate Starts for TWAMP_29:
(Start: 95 @23636 has 33 MA's), (Start: 109 @23615 has 197 MA's), (Start: 110 @23609 has 3 MA's), (Start: 138 @23480 has 1 MA's), (147, 23432), (197, 23240), (226, 23129), (242, 23069), (244, 23057), (258, 22994), (270, 22964), (275, 22931), (281, 22910), (288, 22880), (293, 22865), (296, 22859), (303, 22811), (312, 22778), (329, 22721), (343, 22682), (345, 22676), (376, 22580), (384, 22547), (391, 22526), (393, 22517), (431, 22355),

Gene: TagePhighter_52 Start: 36182, Stop: 37795, Start Num: 42
Candidate Starts for TagePhighter_52:
(Start: 31 @36116 has 7 MA's), (Start: 41 @36173 has 5 MA's), (Start: 42 @36182 has 21 MA's), (Start: 115 @36329 has 3 MA's), (134, 36428), (Start: 138 @36446 has 1 MA's), (147, 36497), (164, 36578), (165, 36581), (189, 36653), (191, 36662), (192, 36665), (224, 36791), (232, 36818), (249, 36887), (260, 36932), (283, 37001), (290, 37028), (301, 37076), (312, 37124), (326, 37163), (337, 37190), (346, 37220), (377, 37343), (395, 37403), (403, 37448), (437, 37577), (445, 37628), (448, 37637), (461, 37676), (469, 37700), (474, 37715), (480, 37730), (485, 37745),

Gene: Takoda_29 Start: 23587, Stop: 22100, Start Num: 109
Candidate Starts for Takoda_29:
(Start: 95 @23608 has 33 MA's), (Start: 109 @23587 has 197 MA's), (Start: 110 @23581 has 3 MA's), (Start: 138 @23452 has 1 MA's), (147, 23404), (165, 23317), (197, 23212), (226, 23101), (242, 23041), (244, 23029), (270, 22936), (275, 22903), (281, 22882), (288, 22852), (293, 22837), (296, 22831), (303, 22783), (312, 22750), (329, 22693), (343, 22654), (345, 22648), (391, 22498), (424, 22357), (431, 22327), (459, 22201), (484, 22135),

Gene: Tallboi_51 Start: 36309, Stop: 37727, Start Num: 100
Candidate Starts for Tallboi_51:
(92, 36291), (Start: 99 @36306 has 4 MA's), (Start: 100 @36309 has 39 MA's), (Start: 109 @36318 has 197 MA's), (133, 36432), (Start: 153 @36540 has 1 MA's), (159, 36573), (164, 36588), (189, 36651), (192, 36663), (194, 36672), (215, 36750), (220, 36771), (231, 36813), (242, 36855), (243, 36864), (253, 36903), (282, 36981), (304, 37083), (385, 37365), (391, 37383), (394, 37395), (438,

37566),

Gene: Taquarus_33 Start: 26640, Stop: 25126, Start Num: 106
Candidate Starts for Taquarus_33:
(Start: 83 @26682 has 1 MA's), (Start: 100 @26649 has 39 MA's), (Start: 106 @26640 has 100 MA's), (139, 26478), (Start: 151 @26412 has 1 MA's), (156, 26394), (174, 26319), (180, 26295), (191, 26256), (192, 26253), (212, 26166), (241, 26052), (243, 26040), (287, 25857), (313, 25746), (329, 25695), (369, 25566), (372, 25557), (393, 25482), (395, 25476), (422, 25353), (431, 25314), (476, 25164), (481, 25149),

Gene: Tarynearal_29 Start: 25775, Stop: 24282, Start Num: 109
Candidate Starts for Tarynearal_29:
(Start: 109 @25775 has 197 MA's), (Start: 118 @25742 has 1 MA's), (Start: 119 @25739 has 3 MA's), (Start: 123 @25721 has 4 MA's), (Start: 138 @25640 has 1 MA's), (168, 25496), (178, 25469), (192, 25421), (236, 25256), (241, 25232), (242, 25229), (245, 25208), (296, 25019), (331, 24878), (343, 24848), (390, 24671), (393, 24659), (413, 24575), (417, 24560), (421, 24545), (460, 24368), (477, 24338), (488, 24305),

Gene: Tasp14_38 Start: 29595, Stop: 31166, Start Num: 69
Candidate Starts for Tasp14_38:
(Start: 60 @29583 has 24 MA's), (Start: 64 @29589 has 2 MA's), (Start: 69 @29595 has 9 MA's), (Start: 70 @29598 has 7 MA's), (Start: 77 @29613 has 2 MA's), (Start: 109 @29664 has 197 MA's), (Start: 114 @29679 has 7 MA's), (116, 29688), (Start: 153 @29889 has 1 MA's), (Start: 195 @30039 has 1 MA's), (197, 30048), (198, 30057), (224, 30153), (229, 30165), (236, 30186), (238, 30198), (243, 30222), (253, 30264), (285, 30393), (300, 30453), (314, 30510), (331, 30564), (339, 30579), (373, 30687), (382, 30720), (402, 30801), (405, 30816), (429, 30921), (452, 31035), (487, 31134), (498, 31158),

Gene: Tbone_50 Start: 35812, Stop: 37287, Start Num: 99
Candidate Starts for Tbone_50:
(Start: 95 @35803 has 33 MA's), (Start: 99 @35812 has 4 MA's), (136, 35941), (183, 36133), (203, 36238), (222, 36298), (258, 36457), (288, 36586), (301, 36637), (346, 36778), (411, 37015),

Gene: Teodoridan_35 Start: 28860, Stop: 30437, Start Num: 70
Candidate Starts for Teodoridan_35:
(Start: 60 @28845 has 24 MA's), (Start: 64 @28851 has 2 MA's), (Start: 69 @28857 has 9 MA's), (Start: 70 @28860 has 7 MA's), (Start: 77 @28875 has 2 MA's), (Start: 109 @28926 has 197 MA's), (Start: 151 @29145 has 1 MA's), (Start: 153 @29151 has 1 MA's), (157, 29172), (Start: 195 @29301 has 1 MA's), (197, 29310), (198, 29319), (229, 29427), (236, 29448), (238, 29460), (243, 29484), (253, 29526), (285, 29655), (300, 29715), (314, 29772), (331, 29826), (339, 29841), (371, 29940), (402, 30060), (405, 30075), (429, 30180), (452, 30294),

Gene: Texage_33 Start: 27224, Stop: 25722, Start Num: 110
Candidate Starts for Texage_33:
(Start: 101 @27245 has 3 MA's), (Start: 109 @27230 has 197 MA's), (Start: 110 @27224 has 3 MA's), (Start: 111 @27221 has 2 MA's), (146, 27053), (147, 27047), (176, 26930), (194, 26870), (224, 26753), (236, 26714), (242, 26687), (244, 26675), (271, 26540), (309, 26387), (338, 26297), (350, 26258), (377, 26168), (390, 26126), (393, 26114), (403, 26069), (408, 26048), (456, 25835), (463, 25814),

Gene: TforTroy_50 Start: 35647, Stop: 37065, Start Num: 100
Candidate Starts for TforTroy_50:

(92, 35629), (Start: 99 @35644 has 4 MA's), (Start: 100 @35647 has 39 MA's), (Start: 109 @35656 has 197 MA's), (Start: 138 @35794 has 1 MA's), (Start: 153 @35878 has 1 MA's), (189, 35989), (192, 36001), (194, 36010), (215, 36088), (220, 36109), (231, 36151), (243, 36202), (253, 36241), (369, 36646), (385, 36703), (391, 36721), (394, 36733), (439, 36907),

Gene: Thanksgivukkah_33 Start: 26638, Stop: 25124, Start Num: 106
Candidate Starts for Thanksgivukkah_33:
(Start: 83 @26680 has 1 MA's), (Start: 100 @26647 has 39 MA's), (Start: 106 @26638 has 100 MA's), (139, 26476), (Start: 151 @26410 has 1 MA's), (156, 26392), (174, 26317), (180, 26293), (191, 26254), (192, 26251), (212, 26164), (241, 26050), (243, 26038), (287, 25855), (313, 25744), (329, 25693), (369, 25564), (372, 25555), (393, 25480), (395, 25474), (422, 25351), (431, 25312), (476, 25162), (481, 25147),

Gene: Theia_28 Start: 25799, Stop: 24306, Start Num: 109
Candidate Starts for Theia_28:
(Start: 109 @25799 has 197 MA's), (Start: 118 @25766 has 1 MA's), (Start: 119 @25763 has 3 MA's), (Start: 123 @25745 has 4 MA's), (Start: 138 @25664 has 1 MA's), (168, 25520), (178, 25493), (192, 25445), (236, 25280), (241, 25256), (242, 25253), (245, 25232), (296, 25043), (331, 24902), (343, 24872), (390, 24695), (393, 24683), (413, 24599), (417, 24584), (421, 24569), (460, 24392), (477, 24362), (488, 24329),

Gene: TheloniousMonk_39 Start: 31068, Stop: 32570, Start Num: 109
Candidate Starts for TheloniousMonk_39:
(Start: 60 @30987 has 24 MA's), (Start: 64 @30993 has 2 MA's), (Start: 69 @30999 has 9 MA's), (Start: 70 @31002 has 7 MA's), (Start: 77 @31017 has 2 MA's), (Start: 109 @31068 has 197 MA's), (Start: 114 @31083 has 7 MA's), (Start: 153 @31293 has 1 MA's), (Start: 195 @31443 has 1 MA's), (197, 31452), (198, 31461), (229, 31569), (236, 31590), (238, 31602), (243, 31626), (253, 31668), (285, 31797), (300, 31857), (314, 31914), (324, 31941), (331, 31968), (339, 31983), (360, 32052), (373, 32091), (382, 32124), (402, 32205), (405, 32220), (452, 32439), (487, 32538), (498, 32562),

Gene: Thor_37 Start: 28976, Stop: 30568, Start Num: 60
Candidate Starts for Thor_37:
(Start: 60 @28976 has 24 MA's), (Start: 64 @28982 has 2 MA's), (Start: 69 @28988 has 9 MA's), (Start: 70 @28991 has 7 MA's), (Start: 77 @29006 has 2 MA's), (Start: 109 @29057 has 197 MA's), (Start: 151 @29276 has 1 MA's), (Start: 153 @29282 has 1 MA's), (156, 29294), (157, 29303), (Start: 195 @29432 has 1 MA's), (197, 29441), (198, 29450), (229, 29558), (236, 29579), (238, 29591), (243, 29615), (253, 29657), (285, 29786), (300, 29846), (314, 29903), (324, 29930), (331, 29957), (332, 29960), (339, 29972), (371, 30071), (382, 30110), (402, 30191), (405, 30206), (452, 30425),

Gene: Tian_50 Start: 37772, Stop: 39232, Start Num: 102
Candidate Starts for Tian_50:
(97, 37763), (Start: 102 @37772 has 1 MA's), (148, 37958), (154, 37991), (191, 38129), (194, 38141), (220, 38240), (234, 38291), (256, 38384), (344, 38717), (411, 38960), (485, 39218),

Gene: Tiger_30 Start: 25677, Stop: 24184, Start Num: 109
Candidate Starts for Tiger_30:
(Start: 109 @25677 has 197 MA's), (Start: 118 @25644 has 1 MA's), (Start: 119 @25641 has 3 MA's), (Start: 123 @25623 has 4 MA's), (Start: 138 @25542 has 1 MA's), (168, 25398), (178, 25371), (192, 25323), (236, 25158), (241, 25134), (242, 25131), (245, 25110), (296, 24921), (343, 24750), (377, 24615), (390, 24573), (393, 24561), (413, 24477), (417, 24462), (421, 24447), (460, 24270), (477, 24240), (488, 24207),

Gene: Timshel_34 Start: 29292, Stop: 27832, Start Num: 109

Candidate Starts for Timshel_34:
(9, 29691), (15, 29562), (39, 29445), (81, 29340), (90, 29325), (Start: 109 @29292 has 197 MA's), (Start: 110 @29286 has 3 MA's), (Start: 115 @29274 has 3 MA's), (116, 29268), (137, 29163), (Start: 138 @29157 has 1 MA's), (143, 29121), (166, 29019), (178, 28986), (189, 28950), (197, 28917), (244, 28737), (282, 28587), (295, 28542), (331, 28398), (348, 28350), (377, 28269), (381, 28257), (383, 28251), (393, 28215), (404, 28161), (413, 28131), (493, 27843),

Gene: Tinybot_32 Start: 26607, Stop: 25129, Start Num: 115
Candidate Starts for Tinybot_32:
(Start: 46 @26739 has 1 MA's), (Start: 73 @26691 has 8 MA's), (Start: 105 @26634 has 1 MA's), (Start: 109 @26625 has 197 MA's), (Start: 115 @26607 has 3 MA's), (128, 26550), (130, 26532), (136, 26502), (Start: 138 @26490 has 1 MA's), (161, 26364), (169, 26343), (181, 26313), (191, 26274), (225, 26145), (241, 26085), (254, 26031), (288, 25893), (299, 25848), (354, 25662), (385, 25536), (393, 25509), (404, 25455), (406, 25446), (453, 25236), (460, 25218), (466, 25206), (471, 25197),

Gene: TiroTheta9_33 Start: 26634, Stop: 25120, Start Num: 106
Candidate Starts for TiroTheta9_33:
(Start: 83 @26676 has 1 MA's), (Start: 100 @26643 has 39 MA's), (Start: 106 @26634 has 100 MA's), (139, 26472), (Start: 151 @26406 has 1 MA's), (156, 26388), (174, 26313), (180, 26289), (191, 26250), (192, 26247), (212, 26160), (241, 26046), (243, 26034), (287, 25851), (313, 25740), (329, 25689), (369, 25560), (372, 25551), (393, 25476), (395, 25470), (422, 25347), (431, 25308), (476, 25158), (481, 25143),

Gene: Todacoro_34 Start: 27223, Stop: 25721, Start Num: 110
Candidate Starts for Todacoro_34:
(Start: 101 @27244 has 3 MA's), (Start: 109 @27229 has 197 MA's), (Start: 110 @27223 has 3 MA's), (Start: 111 @27220 has 2 MA's), (146, 27052), (147, 27046), (176, 26929), (194, 26869), (224, 26752), (236, 26713), (242, 26686), (244, 26674), (271, 26539), (309, 26386), (338, 26296), (350, 26257), (377, 26167), (390, 26125), (393, 26113), (403, 26068), (408, 26047), (456, 25834), (463, 25813),

Gene: Toma_50 Start: 35070, Stop: 36713, Start Num: 31
Candidate Starts for Toma_50:
(Start: 31 @35070 has 7 MA's), (Start: 42 @35136 has 21 MA's), (Start: 115 @35256 has 3 MA's), (134, 35355), (Start: 138 @35373 has 1 MA's), (147, 35424), (164, 35505), (165, 35508), (189, 35580), (191, 35589), (192, 35592), (246, 35802), (247, 35805), (249, 35814), (312, 36042), (337, 36108), (346, 36138), (371, 36237), (377, 36261), (380, 36270), (387, 36294), (403, 36366), (448, 36555), (458, 36585), (461, 36594), (469, 36618), (474, 36633), (480, 36648),

Gene: Topanga_34 Start: 26894, Stop: 25461, Start Num: 103
Candidate Starts for Topanga_34:
(Start: 103 @26894 has 3 MA's), (130, 26792), (Start: 138 @26750 has 1 MA's), (165, 26615), (169, 26603), (170, 26600), (192, 26531), (197, 26510), (220, 26423), (222, 26420), (227, 26399), (244, 26330), (299, 26144), (376, 25901), (377, 25892), (393, 25838), (417, 25739), (458, 25553),

Gene: Topgun_36 Start: 28914, Stop: 30413, Start Num: 109
Candidate Starts for Topgun_36:
(44, 28800), (50, 28818), (Start: 60 @28833 has 24 MA's), (Start: 64 @28839 has 2 MA's), (Start: 69 @28845 has 9 MA's), (Start: 70 @28848 has 7 MA's), (Start: 77 @28863 has 2 MA's), (Start: 109 @28914 has 197 MA's), (Start: 111 @28923 has 2 MA's), (Start: 114 @28929 has 7 MA's), (116, 28938), (Start: 151 @29133 has 1 MA's), (Start: 153 @29139 has 1 MA's), (157, 29160), (Start: 195 @29289 has 1 MA's), (197, 29298), (198, 29307), (229, 29415), (236, 29436), (238, 29448), (243, 29472), (253, 29514), (285, 29643), (300, 29703), (314, 29760), (324, 29787), (331, 29814), (332,

29817), (339, 29829), (371, 29928), (382, 29967), (383, 29970), (402, 30048), (405, 30063), (452, 30282), (487, 30381), (498, 30405),

Gene: Tote_34 Start: 27141, Stop: 28268, Start Num: 195
Candidate Starts for Tote_34:
(6, 26229), (12, 26322), (13, 26370), (30, 26487), (34, 26514), (45, 26568), (Start: 77 @26634 has 2 MA's), (113, 26700), (120, 26727), (145, 26916), (150, 26961), (166, 27045), (Start: 195 @27141 has 1 MA's), (197, 27150), (198, 27159), (227, 27261), (229, 27267), (236, 27288), (238, 27300), (243, 27324), (253, 27366), (285, 27495), (300, 27555), (314, 27612), (324, 27639), (331, 27666), (332, 27669), (339, 27681), (371, 27783), (373, 27789), (382, 27822), (383, 27825), (402, 27903), (405, 27918), (410, 27933), (429, 28023), (452, 28137), (487, 28236), (498, 28260),

Gene: Traft412_39 Start: 30521, Stop: 32023, Start Num: 109
Candidate Starts for Traft412_39:
(Start: 60 @30440 has 24 MA's), (Start: 64 @30446 has 2 MA's), (Start: 69 @30452 has 9 MA's), (Start: 70 @30455 has 7 MA's), (Start: 77 @30470 has 2 MA's), (Start: 109 @30521 has 197 MA's), (Start: 114 @30536 has 7 MA's), (116, 30545), (Start: 153 @30746 has 1 MA's), (157, 30767), (Start: 195 @30896 has 1 MA's), (197, 30905), (198, 30914), (229, 31022), (236, 31043), (238, 31055), (243, 31079), (285, 31250), (300, 31310), (314, 31367), (331, 31421), (332, 31424), (339, 31436), (360, 31505), (373, 31544), (382, 31577), (402, 31658), (405, 31673), (429, 31778), (452, 31892), (487, 31991), (498, 32015),

Gene: Treddle_39 Start: 30758, Stop: 32260, Start Num: 109
Candidate Starts for Treddle_39:
(Start: 60 @30677 has 24 MA's), (Start: 64 @30683 has 2 MA's), (Start: 69 @30689 has 9 MA's), (Start: 70 @30692 has 7 MA's), (Start: 77 @30707 has 2 MA's), (Start: 109 @30758 has 197 MA's), (Start: 114 @30773 has 7 MA's), (Start: 151 @30977 has 1 MA's), (Start: 153 @30983 has 1 MA's), (157, 31004), (Start: 195 @31133 has 1 MA's), (197, 31142), (198, 31151), (229, 31259), (236, 31280), (238, 31292), (243, 31316), (253, 31358), (285, 31487), (300, 31547), (314, 31604), (324, 31631), (331, 31658), (339, 31673), (360, 31742), (373, 31781), (382, 31814), (402, 31895), (405, 31910), (429, 32015), (452, 32129), (456, 32141), (487, 32228), (498, 32252),

Gene: Trike_31 Start: 25248, Stop: 23752, Start Num: 109
Candidate Starts for Trike_31:
(Start: 46 @25362 has 1 MA's), (Start: 73 @25314 has 8 MA's), (Start: 103 @25260 has 3 MA's), (Start: 109 @25248 has 197 MA's), (128, 25173), (Start: 138 @25113 has 1 MA's), (161, 24987), (169, 24966), (181, 24936), (191, 24897), (235, 24735), (241, 24708), (254, 24654), (288, 24516), (343, 24324), (385, 24159), (393, 24132), (395, 24126), (450, 23874), (456, 23853), (458, 23847), (460, 23841), (466, 23829), (471, 23820), (477, 23808),

Gene: Tripl3t_38 Start: 30269, Stop: 31771, Start Num: 109
Candidate Starts for Tripl3t_38:
(Start: 60 @30188 has 24 MA's), (Start: 64 @30194 has 2 MA's), (Start: 69 @30200 has 9 MA's), (Start: 70 @30203 has 7 MA's), (Start: 77 @30218 has 2 MA's), (Start: 109 @30269 has 197 MA's), (Start: 112 @30281 has 3 MA's), (Start: 153 @30494 has 1 MA's), (156, 30506), (157, 30515), (166, 30548), (Start: 195 @30644 has 1 MA's), (197, 30653), (198, 30662), (229, 30770), (236, 30791), (238, 30803), (243, 30827), (253, 30869), (285, 30998), (300, 31058), (314, 31115), (324, 31142), (331, 31169), (339, 31184), (373, 31292), (382, 31325), (402, 31406), (405, 31421), (429, 31526), (452, 31640), (487, 31739), (498, 31763),

Gene: Triste_51 Start: 36115, Stop: 37794, Start Num: 31
Candidate Starts for Triste_51:

(Start: 31 @36115 has 7 MA's), (Start: 41 @36172 has 5 MA's), (Start: 42 @36181 has 21 MA's), (Start: 115 @36328 has 3 MA's), (134, 36427), (Start: 138 @36445 has 1 MA's), (147, 36496), (164, 36577), (165, 36580), (189, 36652), (191, 36661), (192, 36664), (224, 36790), (232, 36817), (249, 36886), (260, 36931), (283, 37000), (290, 37027), (301, 37075), (312, 37123), (326, 37162), (337, 37189), (346, 37219), (377, 37342), (395, 37402), (403, 37447), (437, 37576), (445, 37627), (448, 37636), (461, 37675), (469, 37699), (474, 37714), (480, 37729), (485, 37744),

Gene: Trouble_38 Start: 30371, Stop: 31873, Start Num: 109
Candidate Starts for Trouble_38:
(Start: 60 @30290 has 24 MA's), (Start: 64 @30296 has 2 MA's), (Start: 69 @30302 has 9 MA's), (Start: 70 @30305 has 7 MA's), (Start: 77 @30320 has 2 MA's), (Start: 109 @30371 has 197 MA's), (Start: 151 @30590 has 1 MA's), (Start: 153 @30596 has 1 MA's), (157, 30617), (192, 30734), (Start: 195 @30746 has 1 MA's), (197, 30755), (198, 30764), (229, 30872), (236, 30893), (238, 30905), (285, 31100), (300, 31160), (314, 31217), (324, 31244), (331, 31271), (332, 31274), (339, 31286), (373, 31394), (382, 31427), (402, 31508), (405, 31523), (429, 31628), (452, 31742), (487, 31841), (498, 31865),

Gene: TuanPN_49 Start: 36125, Stop: 37747, Start Num: 41
Candidate Starts for TuanPN_49:
(Start: 31 @36068 has 7 MA's), (Start: 41 @36125 has 5 MA's), (Start: 42 @36134 has 21 MA's), (Start: 115 @36281 has 3 MA's), (134, 36380), (Start: 138 @36398 has 1 MA's), (147, 36449), (164, 36530), (165, 36533), (189, 36605), (191, 36614), (192, 36617), (224, 36743), (232, 36770), (249, 36839), (260, 36884), (283, 36953), (290, 36980), (301, 37028), (312, 37076), (326, 37115), (346, 37172), (377, 37295), (395, 37355), (403, 37400), (437, 37529), (445, 37580), (448, 37589), (461, 37628), (469, 37652), (474, 37667), (480, 37682), (485, 37697),

Gene: Tuck_53 Start: 37345, Stop: 38829, Start Num: 95
Candidate Starts for Tuck_53:
(Start: 95 @37345 has 33 MA's), (Start: 99 @37354 has 4 MA's), (183, 37675), (248, 37954), (288, 38128), (346, 38320), (411, 38557), (449, 38719),

Gene: Turab_47 Start: 34417, Stop: 35835, Start Num: 100
Candidate Starts for Turab_47:
(92, 34399), (Start: 99 @34414 has 4 MA's), (Start: 100 @34417 has 39 MA's), (Start: 109 @34426 has 197 MA's), (133, 34540), (Start: 153 @34648 has 1 MA's), (159, 34681), (164, 34696), (189, 34759), (192, 34771), (194, 34780), (220, 34879), (231, 34921), (243, 34972), (253, 35011), (288, 35116), (385, 35473), (391, 35491), (394, 35503), (438, 35674),

Gene: Turj99_36 Start: 29282, Stop: 30865, Start Num: 60
Candidate Starts for Turj99_36:
(Start: 60 @29282 has 24 MA's), (Start: 64 @29288 has 2 MA's), (Start: 69 @29294 has 9 MA's), (Start: 70 @29297 has 7 MA's), (Start: 77 @29312 has 2 MA's), (Start: 109 @29363 has 197 MA's), (Start: 151 @29582 has 1 MA's), (Start: 153 @29588 has 1 MA's), (157, 29609), (Start: 195 @29738 has 1 MA's), (197, 29747), (198, 29756), (229, 29864), (236, 29885), (238, 29897), (243, 29921), (253, 29963), (285, 30092), (300, 30152), (314, 30209), (331, 30263), (332, 30266), (339, 30278), (373, 30386), (382, 30419), (383, 30422), (402, 30500), (405, 30515), (429, 30620), (432, 30635), (452, 30734), (487, 30833), (498, 30857),

Gene: Tutumahutu_51 Start: 35299, Stop: 36717, Start Num: 100
Candidate Starts for Tutumahutu_51:
(92, 35281), (Start: 99 @35296 has 4 MA's), (Start: 100 @35299 has 39 MA's), (Start: 109 @35308 has 197 MA's), (133, 35422), (Start: 138 @35446 has 1 MA's), (Start: 153 @35530 has 1 MA's), (189, 35641), (192, 35653), (194, 35662), (220, 35761), (243, 35854), (245, 35866), (253, 35893), (301,

36052), (391, 36373), (394, 36385), (402, 36418), (438, 36556),

Gene: Tweety19_52 Start: 34578, Stop: 36083, Start Num: 72
Candidate Starts for Tweety19_52:
(Start: 72 @34578 has 3 MA's), (94, 34617), (Start: 102 @34635 has 1 MA's), (148, 34821), (198, 35022), (222, 35103), (288, 35388), (328, 35517), (378, 35682), (421, 35844), (466, 36015), (468, 36021),

Gene: Twister_34 Start: 26802, Stop: 25369, Start Num: 103
Candidate Starts for Twister_34:
(Start: 103 @26802 has 3 MA's), (130, 26700), (Start: 138 @26658 has 1 MA's), (165, 26523), (169, 26511), (170, 26508), (192, 26439), (197, 26418), (220, 26331), (222, 26328), (227, 26307), (244, 26238), (299, 26052), (376, 25809), (377, 25800), (393, 25746), (417, 25647), (458, 25461),

Gene: TwoPeat_37 Start: 29876, Stop: 31363, Start Num: 114
Candidate Starts for TwoPeat_37:
(Start: 60 @29780 has 24 MA's), (Start: 64 @29786 has 2 MA's), (Start: 69 @29792 has 9 MA's), (Start: 70 @29795 has 7 MA's), (Start: 77 @29810 has 2 MA's), (Start: 109 @29861 has 197 MA's), (Start: 114 @29876 has 7 MA's), (Start: 132 @29969 has 1 MA's), (Start: 151 @30080 has 1 MA's), (Start: 153 @30086 has 1 MA's), (Start: 195 @30236 has 1 MA's), (197, 30245), (198, 30254), (229, 30362), (236, 30383), (238, 30395), (243, 30419), (253, 30461), (285, 30590), (300, 30650), (314, 30707), (324, 30734), (331, 30761), (339, 30776), (373, 30884), (382, 30917), (402, 30998), (405, 31013), (429, 31118), (452, 31232), (487, 31331), (498, 31355),

Gene: TygerBlood_33 Start: 26637, Stop: 25123, Start Num: 106
Candidate Starts for TygerBlood_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: U2_37 Start: 29511, Stop: 31013, Start Num: 109
Candidate Starts for U2_37:
(Start: 53 @29421 has 1 MA's), (Start: 79 @29466 has 3 MA's), (Start: 109 @29511 has 197 MA's), (Start: 114 @29526 has 7 MA's), (116, 29535), (134, 29628), (Start: 151 @29730 has 1 MA's), (Start: 153 @29736 has 1 MA's), (157, 29757), (Start: 195 @29886 has 1 MA's), (197, 29895), (198, 29904), (199, 29910), (229, 30012), (236, 30033), (238, 30045), (243, 30069), (285, 30240), (300, 30300), (314, 30357), (331, 30411), (332, 30414), (339, 30426), (373, 30534), (382, 30567), (402, 30648), (405, 30663), (429, 30768), (452, 30882), (487, 30981), (498, 31005),

Gene: UhSalsa_29 Start: 23636, Stop: 22140, Start Num: 95
Candidate Starts for UhSalsa_29:
(Start: 95 @23636 has 33 MA's), (Start: 109 @23615 has 197 MA's), (Start: 110 @23609 has 3 MA's), (Start: 138 @23480 has 1 MA's), (147, 23432), (165, 23345), (197, 23240), (226, 23129), (235, 23099), (242, 23069), (244, 23057), (258, 22994), (270, 22964), (275, 22931), (281, 22910), (288, 22880), (293, 22865), (296, 22859), (303, 22811), (312, 22778), (329, 22721), (343, 22682), (345, 22676), (376, 22580), (384, 22547), (391, 22526), (393, 22517), (431, 22355),

Gene: Ulysses_32 Start: 26359, Stop: 24863, Start Num: 109
Candidate Starts for Ulysses_32:
(Start: 73 @26425 has 8 MA's), (Start: 109 @26359 has 197 MA's), (Start: 115 @26341 has 3 MA's), (128, 26284), (130, 26266), (136, 26236), (Start: 138 @26224 has 1 MA's), (161, 26098), (169,

26077), (181, 26047), (191, 26008), (225, 25879), (241, 25819), (254, 25765), (288, 25627), (354, 25396), (376, 25306), (385, 25270), (393, 25243), (404, 25189), (406, 25180), (453, 24970), (460, 24952), (466, 24940), (471, 24931),

Gene: UnionJack_31 Start: 25014, Stop: 23569, Start Num: 119
Candidate Starts for UnionJack_31:
(90, 25077), (Start: 109 @25050 has 197 MA's), (Start: 119 @25014 has 3 MA's), (Start: 138 @24915 has 1 MA's), (Start: 153 @24831 has 1 MA's), (161, 24789), (170, 24765), (181, 24738), (191, 24699), (197, 24675), (236, 24531), (286, 24324), (306, 24237), (322, 24192), (329, 24162), (339, 24138), (343, 24123), (376, 24012), (377, 24003), (393, 23949), (400, 23916), (417, 23850), (431, 23787), (460, 23658), (493, 23580),

Gene: Urza_50 Start: 33266, Stop: 34684, Start Num: 112
Candidate Starts for Urza_50:
(52, 33152), (57, 33158), (Start: 102 @33245 has 1 MA's), (Start: 112 @33266 has 3 MA's), (184, 33578), (194, 33632), (Start: 195 @33635 has 1 MA's), (203, 33680), (207, 33695), (230, 33761), (254, 33845), (264, 33878), (288, 33950), (295, 33968), (305, 34022), (339, 34103), (346, 34127), (349, 34133), (361, 34184), (369, 34217), (389, 34286), (398, 34331), (419, 34412), (426, 34445), (427, 34448), (489, 34667),

Gene: VResidence_50 Start: 34666, Stop: 36156, Start Num: 93
Candidate Starts for VResidence_50:
(Start: 93 @34666 has 2 MA's), (136, 34810), (183, 35002), (197, 35071), (234, 35215), (288, 35455), (301, 35506), (346, 35647), (411, 35884), (434, 35974),

Gene: Vanseggelen_57 Start: 36594, Stop: 38177, Start Num: 42
Candidate Starts for Vanseggelen_57:
(29, 36522), (32, 36531), (33, 36537), (Start: 42 @36594 has 21 MA's), (131, 36804), (Start: 132 @36810 has 1 MA's), (133, 36813), (134, 36819), (Start: 138 @36837 has 1 MA's), (159, 36954), (165, 36972), (191, 37053), (192, 37056), (237, 37218), (262, 37320), (283, 37386), (296, 37428), (301, 37458), (337, 37572), (346, 37602), (371, 37701), (376, 37716), (377, 37725), (385, 37752), (386, 37755), (397, 37797), (403, 37830), (422, 37899), (439, 37965), (440, 37977), (448, 38019), (458, 38049), (461, 38058), (469, 38082), (474, 38097),

Gene: Vash_53 Start: 39034, Stop: 40593, Start Num: 117
Candidate Starts for Vash_53:
(Start: 76 @38938 has 1 MA's), (Start: 99 @38983 has 4 MA's), (104, 38992), (Start: 109 @39004 has 197 MA's), (Start: 117 @39034 has 2 MA's), (152, 39220), (Start: 153 @39223 has 1 MA's), (159, 39256), (161, 39265), (172, 39304), (182, 39340), (190, 39370), (192, 39382), (203, 39439), (204, 39442), (210, 39460), (214, 39469), (233, 39538), (246, 39598), (289, 39796), (291, 39808), (296, 39826), (300, 39853), (310, 39898), (330, 39970), (333, 39982), (340, 40006), (357, 40051), (371, 40105), (388, 40165), (408, 40249), (436, 40366), (438, 40372), (450, 40438), (451, 40441), (480, 40528),

Gene: Veracruz_33 Start: 27223, Stop: 25721, Start Num: 110
Candidate Starts for Veracruz_33:
(Start: 101 @27244 has 3 MA's), (Start: 109 @27229 has 197 MA's), (Start: 110 @27223 has 3 MA's), (Start: 111 @27220 has 2 MA's), (146, 27052), (147, 27046), (176, 26929), (194, 26869), (224, 26752), (236, 26713), (242, 26686), (244, 26674), (271, 26539), (309, 26386), (338, 26296), (350, 26257), (377, 26167), (390, 26125), (393, 26113), (403, 26068), (408, 26047), (456, 25834), (463, 25813),

Gene: VieEnRose_50 Start: 33329, Stop: 34747, Start Num: 112

Candidate Starts for VieEnRose_50:
(52, 33215), (57, 33221), (Start: 102 @33308 has 1 MA's), (Start: 112 @33329 has 3 MA's), (184, 33641), (194, 33695), (Start: 195 @33698 has 1 MA's), (203, 33743), (207, 33758), (230, 33824), (254, 33908), (264, 33941), (288, 34013), (295, 34031), (305, 34085), (318, 34124), (339, 34166), (346, 34190), (349, 34196), (361, 34247), (369, 34280), (389, 34349), (398, 34394), (419, 34475), (426, 34508), (454, 34634), (489, 34730),

Gene: Violet_36 Start: 29937, Stop: 31439, Start Num: 109
Candidate Starts for Violet_36:
(Start: 60 @29856 has 24 MA's), (Start: 64 @29862 has 2 MA's), (Start: 69 @29868 has 9 MA's), (Start: 70 @29871 has 7 MA's), (Start: 77 @29886 has 2 MA's), (Start: 109 @29937 has 197 MA's), (Start: 114 @29952 has 7 MA's), (Start: 151 @30156 has 1 MA's), (Start: 153 @30162 has 1 MA's), (157, 30183), (Start: 195 @30312 has 1 MA's), (197, 30321), (198, 30330), (199, 30336), (224, 30426), (229, 30438), (238, 30471), (245, 30507), (285, 30666), (300, 30726), (314, 30783), (324, 30810), (331, 30837), (339, 30852), (371, 30954), (373, 30960), (382, 30993), (383, 30996), (402, 31074), (405, 31089), (452, 31308), (487, 31407), (498, 31431),

Gene: WalterMcMickey_34 Start: 26802, Stop: 25369, Start Num: 103
Candidate Starts for WalterMcMickey_34:
(Start: 103 @26802 has 3 MA's), (130, 26700), (Start: 138 @26658 has 1 MA's), (165, 26523), (169, 26511), (170, 26508), (192, 26439), (197, 26418), (220, 26331), (222, 26328), (227, 26307), (244, 26238), (299, 26052), (376, 25809), (377, 25800), (393, 25746), (417, 25647), (458, 25461),

Gene: Wander_33 Start: 26637, Stop: 25123, Start Num: 106
Candidate Starts for Wander_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (241, 26049), (243, 26037), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Warda_50 Start: 35363, Stop: 36781, Start Num: 100
Candidate Starts for Warda_50:
(92, 35345), (Start: 99 @35360 has 4 MA's), (Start: 100 @35363 has 39 MA's), (Start: 109 @35372 has 197 MA's), (133, 35486), (Start: 153 @35594 has 1 MA's), (164, 35642), (189, 35705), (192, 35717), (194, 35726), (220, 35825), (243, 35918), (245, 35930), (260, 35984), (301, 36116), (376, 36383), (385, 36419), (391, 36437), (394, 36449), (402, 36482), (438, 36620),

Gene: Watermelon_39 Start: 30238, Stop: 31821, Start Num: 60
Candidate Starts for Watermelon_39:
(Start: 60 @30238 has 24 MA's), (Start: 64 @30244 has 2 MA's), (Start: 69 @30250 has 9 MA's), (Start: 70 @30253 has 7 MA's), (Start: 77 @30268 has 2 MA's), (Start: 109 @30319 has 197 MA's), (Start: 114 @30334 has 7 MA's), (Start: 151 @30538 has 1 MA's), (Start: 153 @30544 has 1 MA's), (Start: 195 @30694 has 1 MA's), (197, 30703), (198, 30712), (229, 30820), (236, 30841), (238, 30853), (243, 30877), (253, 30919), (285, 31048), (300, 31108), (314, 31165), (324, 31192), (331, 31219), (332, 31222), (339, 31234), (373, 31342), (382, 31375), (402, 31456), (405, 31471), (429, 31576), (452, 31690), (487, 31789), (498, 31813),

Gene: Werner_50 Start: 36179, Stop: 37792, Start Num: 42
Candidate Starts for Werner_50:
(Start: 31 @36113 has 7 MA's), (Start: 41 @36170 has 5 MA's), (Start: 42 @36179 has 21 MA's), (Start: 115 @36326 has 3 MA's), (134, 36425), (Start: 138 @36443 has 1 MA's), (147, 36494), (164, 36575), (165, 36578), (189, 36650), (191, 36659), (192, 36662), (224, 36788), (232, 36815), (249,

36884), (260, 36929), (283, 36998), (290, 37025), (301, 37073), (312, 37121), (326, 37160), (337, 37187), (346, 37217), (377, 37340), (395, 37400), (403, 37445), (437, 37574), (445, 37625), (448, 37634), (461, 37673), (469, 37697), (474, 37712), (480, 37727), (485, 37742),

Gene: Whatever_50 Start: 36205, Stop: 37818, Start Num: 42
Candidate Starts for Whatever_50:
(Start: 31 @36139 has 7 MA's), (Start: 41 @36196 has 5 MA's), (Start: 42 @36205 has 21 MA's), (Start: 115 @36352 has 3 MA's), (134, 36451), (Start: 138 @36469 has 1 MA's), (147, 36520), (164, 36601), (165, 36604), (189, 36676), (191, 36685), (192, 36688), (224, 36814), (232, 36841), (249, 36910), (260, 36955), (283, 37024), (290, 37051), (301, 37099), (312, 37147), (326, 37186), (337, 37213), (346, 37243), (377, 37366), (395, 37426), (403, 37471), (437, 37600), (445, 37651), (448, 37660), (461, 37699), (469, 37723), (474, 37738), (480, 37753), (485, 37768),

Gene: Wheeler_38 Start: 29849, Stop: 31351, Start Num: 109
Candidate Starts for Wheeler_38:
(Start: 79 @29804 has 3 MA's), (Start: 109 @29849 has 197 MA's), (Start: 114 @29864 has 7 MA's), (139, 29996), (Start: 151 @30068 has 1 MA's), (Start: 153 @30074 has 1 MA's), (156, 30086), (157, 30095), (Start: 195 @30224 has 1 MA's), (197, 30233), (198, 30242), (229, 30350), (236, 30371), (238, 30383), (243, 30407), (253, 30449), (285, 30578), (300, 30638), (314, 30695), (324, 30722), (331, 30749), (339, 30764), (360, 30833), (373, 30872), (382, 30905), (402, 30986), (405, 31001), (429, 31106), (452, 31220), (487, 31319), (498, 31343),

Gene: Wilbur_33 Start: 26646, Stop: 25123, Start Num: 100
Candidate Starts for Wilbur_33:
(Start: 83 @26679 has 1 MA's), (Start: 100 @26646 has 39 MA's), (Start: 106 @26637 has 100 MA's), (139, 26475), (Start: 151 @26409 has 1 MA's), (156, 26391), (174, 26316), (180, 26292), (191, 26253), (192, 26250), (212, 26163), (243, 26037), (245, 26025), (287, 25854), (313, 25743), (329, 25692), (369, 25563), (372, 25554), (393, 25479), (395, 25473), (422, 25350), (431, 25311), (476, 25161), (481, 25146),

Gene: Wildwest_49 Start: 35283, Stop: 36758, Start Num: 99
Candidate Starts for Wildwest_49:
(Start: 95 @35274 has 33 MA's), (Start: 99 @35283 has 4 MA's), (183, 35604), (234, 35817), (288, 36057), (301, 36108), (346, 36249), (376, 36345), (411, 36486), (412, 36489), (466, 36690),

Gene: Wile_33 Start: 26657, Stop: 25143, Start Num: 106
Candidate Starts for Wile_33:
(Start: 83 @26699 has 1 MA's), (Start: 100 @26666 has 39 MA's), (Start: 106 @26657 has 100 MA's), (139, 26495), (Start: 151 @26429 has 1 MA's), (156, 26411), (174, 26336), (191, 26273), (192, 26270), (212, 26183), (243, 26057), (287, 25874), (300, 25817), (313, 25763), (329, 25712), (369, 25583), (372, 25574), (393, 25499), (395, 25493), (421, 25379), (422, 25370), (431, 25331), (476, 25181), (481, 25166),

Gene: Wilkins_36 Start: 28845, Stop: 30344, Start Num: 109
Candidate Starts for Wilkins_36:
(44, 28731), (50, 28749), (Start: 60 @28764 has 24 MA's), (Start: 64 @28770 has 2 MA's), (Start: 69 @28776 has 9 MA's), (Start: 70 @28779 has 7 MA's), (Start: 77 @28794 has 2 MA's), (Start: 109 @28845 has 197 MA's), (Start: 151 @29064 has 1 MA's), (Start: 153 @29070 has 1 MA's), (157, 29091), (Start: 195 @29220 has 1 MA's), (197, 29229), (198, 29238), (229, 29346), (236, 29367), (238, 29379), (243, 29403), (253, 29445), (285, 29574), (300, 29634), (314, 29691), (324, 29718), (331, 29745), (332, 29748), (339, 29760), (371, 29859), (382, 29898), (402, 29979), (405, 29994), (429, 30099), (452, 30213), (487, 30312), (498, 30336),

Gene: Wizard007_33 Start: 26642, Stop: 25128, Start Num: 106
Candidate Starts for Wizard007_33:
(Start: 83 @26684 has 1 MA's), (Start: 100 @26651 has 39 MA's), (Start: 106 @26642 has 100 MA's), (139, 26480), (Start: 151 @26414 has 1 MA's), (156, 26396), (174, 26321), (180, 26297), (191, 26258), (192, 26255), (212, 26168), (241, 26054), (243, 26042), (287, 25859), (313, 25748), (329, 25697), (369, 25568), (372, 25559), (393, 25484), (395, 25478), (422, 25355), (431, 25316), (476, 25166), (481, 25151),

Gene: Xena_33 Start: 26644, Stop: 25130, Start Num: 106
Candidate Starts for Xena_33:
(Start: 83 @26686 has 1 MA's), (Start: 100 @26653 has 39 MA's), (Start: 106 @26644 has 100 MA's), (139, 26482), (Start: 151 @26416 has 1 MA's), (156, 26398), (174, 26323), (191, 26260), (192, 26257), (212, 26170), (243, 26044), (287, 25861), (300, 25804), (313, 25750), (329, 25699), (369, 25570), (372, 25561), (393, 25486), (395, 25480), (421, 25366), (422, 25357), (431, 25318), (476, 25168), (481, 25153),

Gene: Yang_49 Start: 35473, Stop: 36891, Start Num: 100
Candidate Starts for Yang_49:
(92, 35455), (Start: 99 @35470 has 4 MA's), (Start: 100 @35473 has 39 MA's), (Start: 109 @35482 has 197 MA's), (Start: 153 @35704 has 1 MA's), (189, 35815), (192, 35827), (194, 35836), (220, 35935), (231, 35977), (243, 36028), (253, 36067), (369, 36472), (385, 36529), (391, 36547), (394, 36559),

Gene: Yasdnil_50 Start: 36231, Stop: 37844, Start Num: 42
Candidate Starts for Yasdnil_50:
(Start: 31 @36165 has 7 MA's), (Start: 41 @36222 has 5 MA's), (Start: 42 @36231 has 21 MA's), (Start: 115 @36378 has 3 MA's), (134, 36477), (Start: 138 @36495 has 1 MA's), (147, 36546), (164, 36627), (165, 36630), (189, 36702), (191, 36711), (192, 36714), (224, 36840), (232, 36867), (249, 36936), (260, 36981), (283, 37050), (290, 37077), (301, 37125), (312, 37173), (326, 37212), (337, 37239), (346, 37269), (377, 37392), (395, 37452), (403, 37497), (437, 37626), (445, 37677), (448, 37686), (461, 37725), (469, 37749), (474, 37764), (480, 37779), (485, 37794),

Gene: YesChef_50 Start: 35275, Stop: 36693, Start Num: 100
Candidate Starts for YesChef_50:
(92, 35257), (Start: 99 @35272 has 4 MA's), (Start: 100 @35275 has 39 MA's), (Start: 109 @35284 has 197 MA's), (133, 35398), (Start: 138 @35422 has 1 MA's), (Start: 153 @35506 has 1 MA's), (189, 35617), (192, 35629), (194, 35638), (220, 35737), (243, 35830), (245, 35842), (253, 35869), (301, 36028), (391, 36349), (394, 36361), (402, 36394), (438, 36532),

Gene: YoSam321_33 Start: 26634, Stop: 25120, Start Num: 106
Candidate Starts for YoSam321_33:
(Start: 83 @26676 has 1 MA's), (Start: 100 @26643 has 39 MA's), (Start: 106 @26634 has 100 MA's), (139, 26472), (Start: 151 @26406 has 1 MA's), (156, 26388), (174, 26313), (180, 26289), (191, 26250), (192, 26247), (212, 26160), (241, 26046), (243, 26034), (287, 25851), (313, 25740), (329, 25689), (369, 25560), (372, 25551), (393, 25476), (395, 25470), (422, 25347), (431, 25308), (476, 25158), (481, 25143),

Gene: Yogi_29 Start: 23610, Stop: 22114, Start Num: 95
Candidate Starts for Yogi_29:
(Start: 95 @23610 has 33 MA's), (Start: 109 @23589 has 197 MA's), (Start: 110 @23583 has 3 MA's), (Start: 138 @23454 has 1 MA's), (147, 23406), (165, 23319), (197, 23214), (226, 23103), (242, 23043), (244, 23031), (270, 22938), (275, 22905), (281, 22884), (288, 22854), (293, 22839), (296, 22833), (303, 22785), (329, 22695), (343, 22656), (345, 22650), (376, 22554), (384, 22521), (391,

22500), (393, 22491), (431, 22329),

Gene: Yoncess_29 Start: 23611, Stop: 22115, Start Num: 95
Candidate Starts for Yoncess_29:
(Start: 95 @23611 has 33 MA's), (Start: 109 @23590 has 197 MA's), (Start: 110 @23584 has 3 MA's), (Start: 138 @23455 has 1 MA's), (147, 23407), (165, 23320), (197, 23215), (226, 23104), (242, 23044), (244, 23032), (258, 22969), (270, 22939), (275, 22906), (281, 22885), (288, 22855), (296, 22834), (302, 22789), (303, 22786), (304, 22780), (329, 22696), (343, 22657), (345, 22651), (384, 22522), (391, 22501), (393, 22492), (431, 22330),

Gene: Zeeculate_37 Start: 30186, Stop: 31673, Start Num: 114
Candidate Starts for Zeeculate_37:
(Start: 60 @30090 has 24 MA's), (Start: 64 @30096 has 2 MA's), (Start: 69 @30102 has 9 MA's), (Start: 70 @30105 has 7 MA's), (Start: 77 @30120 has 2 MA's), (Start: 109 @30171 has 197 MA's), (Start: 114 @30186 has 7 MA's), (Start: 151 @30390 has 1 MA's), (Start: 153 @30396 has 1 MA's), (192, 30534), (Start: 195 @30546 has 1 MA's), (197, 30555), (198, 30564), (229, 30672), (236, 30693), (238, 30705), (243, 30729), (253, 30771), (282, 30885), (285, 30900), (300, 30960), (308, 30993), (314, 31017), (324, 31044), (331, 31071), (339, 31086), (360, 31155), (371, 31188), (373, 31194), (382, 31227), (402, 31308), (405, 31323), (429, 31428), (452, 31542), (487, 31641), (498, 31665),

Gene: Zemlya_51 Start: 35100, Stop: 36743, Start Num: 31
Candidate Starts for Zemlya_51:
(Start: 31 @35100 has 7 MA's), (Start: 42 @35166 has 21 MA's), (Start: 115 @35286 has 3 MA's), (Start: 132 @35376 has 1 MA's), (Start: 138 @35403 has 1 MA's), (147, 35454), (164, 35535), (165, 35538), (189, 35610), (191, 35619), (192, 35622), (232, 35775), (246, 35832), (247, 35835), (249, 35844), (255, 35868), (279, 35937), (312, 36072), (337, 36138), (346, 36168), (371, 36267), (377, 36291), (380, 36300), (387, 36324), (403, 36396), (448, 36585), (458, 36615), (461, 36624), (469, 36648), (474, 36663), (480, 36678),

Gene: Zephyr_38 Start: 29921, Stop: 31423, Start Num: 109
Candidate Starts for Zephyr_38:
(Start: 60 @29840 has 24 MA's), (Start: 64 @29846 has 2 MA's), (Start: 69 @29852 has 9 MA's), (Start: 70 @29855 has 7 MA's), (Start: 77 @29870 has 2 MA's), (Start: 109 @29921 has 197 MA's), (Start: 111 @29930 has 2 MA's), (Start: 151 @30140 has 1 MA's), (Start: 153 @30146 has 1 MA's), (156, 30158), (Start: 195 @30296 has 1 MA's), (197, 30305), (198, 30314), (199, 30320), (224, 30410), (229, 30422), (236, 30443), (238, 30455), (243, 30479), (253, 30521), (285, 30650), (300, 30710), (314, 30767), (331, 30821), (332, 30824), (339, 30836), (371, 30938), (373, 30944), (382, 30977), (402, 31058), (405, 31073), (452, 31292), (487, 31391), (498, 31415),

Gene: Zeta1847_52 Start: 36962, Stop: 38524, Start Num: 77
Candidate Starts for Zeta1847_52:
(Start: 77 @36962 has 2 MA's), (91, 36986), (Start: 95 @36992 has 33 MA's), (Start: 111 @37022 has 2 MA's), (148, 37193), (154, 37226), (198, 37394), (219, 37469), (234, 37523), (236, 37529), (297, 37790), (308, 37856), (337, 37946), (396, 38147), (441, 38342), (482, 38483),

Gene: Zeuska_38 Start: 30100, Stop: 31602, Start Num: 109
Candidate Starts for Zeuska_38:
(Start: 55 @30010 has 1 MA's), (Start: 60 @30019 has 24 MA's), (Start: 64 @30025 has 2 MA's), (Start: 69 @30031 has 9 MA's), (Start: 70 @30034 has 7 MA's), (Start: 77 @30049 has 2 MA's), (Start: 109 @30100 has 197 MA's), (Start: 114 @30115 has 7 MA's), (Start: 151 @30319 has 1 MA's), (Start: 153 @30325 has 1 MA's), (Start: 195 @30475 has 1 MA's), (197, 30484), (198, 30493), (229, 30601), (236, 30622), (238, 30634), (243, 30658), (253, 30700), (285, 30829), (300, 30889), (314, 30946),

(324, 30973), (327, 30988), (329, 30991), (331, 31000), (332, 31003), (339, 31015), (373, 31123), (382, 31156), (402, 31237), (405, 31252), (452, 31471), (487, 31570), (498, 31594),

Gene: Zolita_29 Start: 26039, Stop: 24546, Start Num: 109
Candidate Starts for Zolita_29:
(Start: 109 @26039 has 197 MA's), (Start: 118 @26006 has 1 MA's), (Start: 119 @26003 has 3 MA's), (Start: 123 @25985 has 4 MA's), (Start: 138 @25904 has 1 MA's), (160, 25784), (168, 25760), (178, 25733), (192, 25685), (236, 25520), (241, 25496), (242, 25493), (245, 25472), (260, 25415), (296, 25283), (331, 25142), (343, 25112), (377, 24977), (390, 24935), (393, 24923), (413, 24839), (417, 24824), (421, 24809), (460, 24632), (477, 24602),