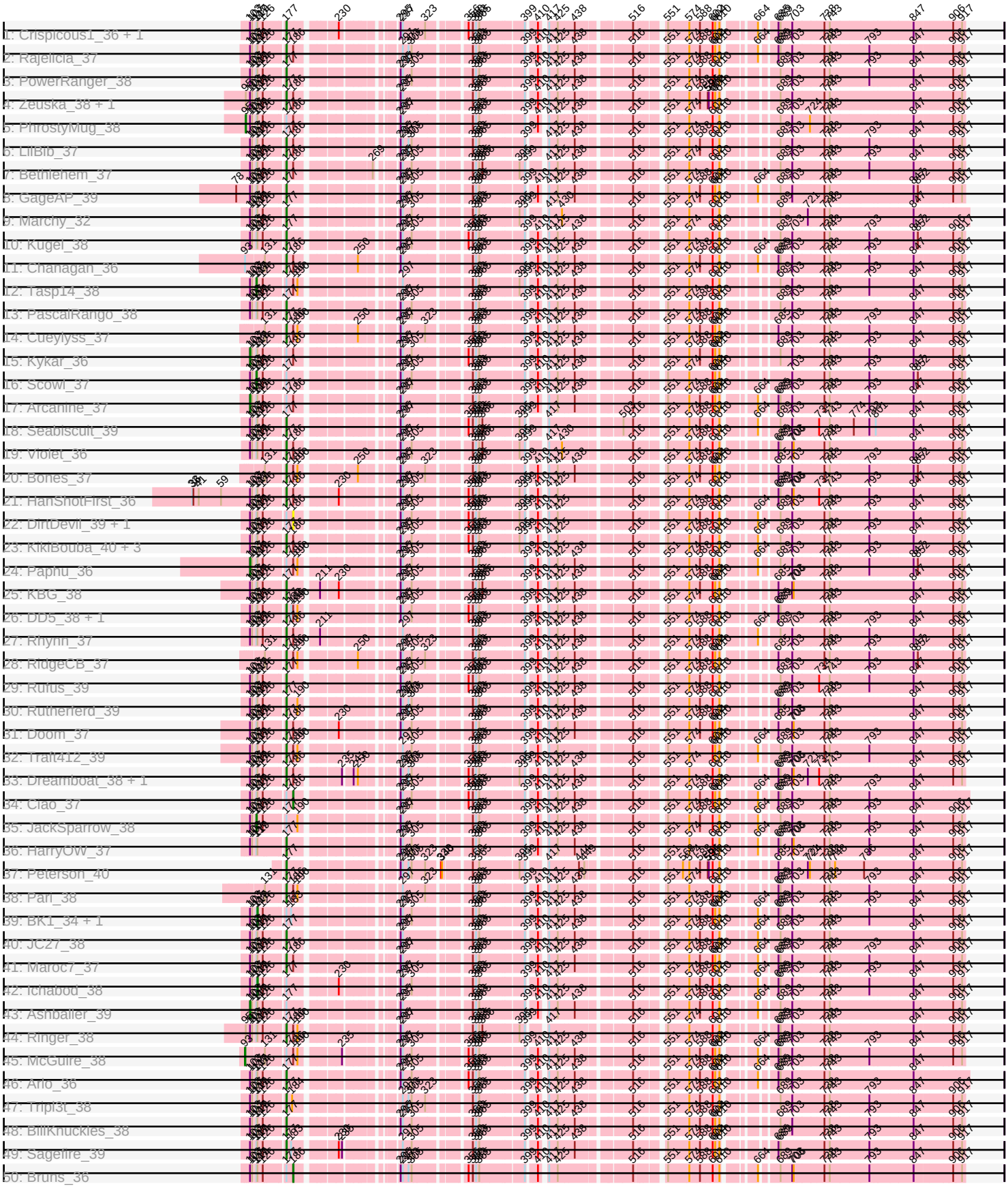
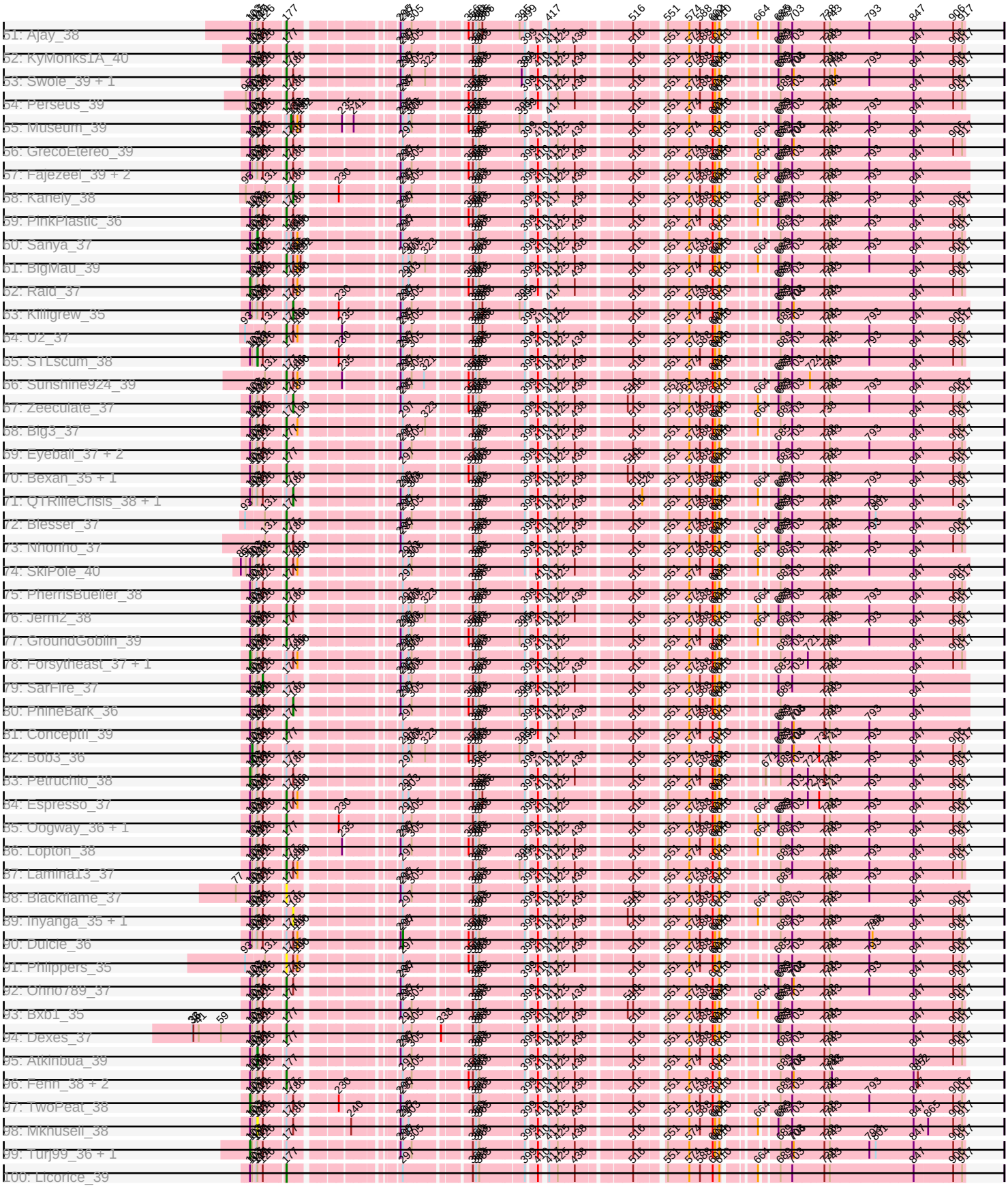
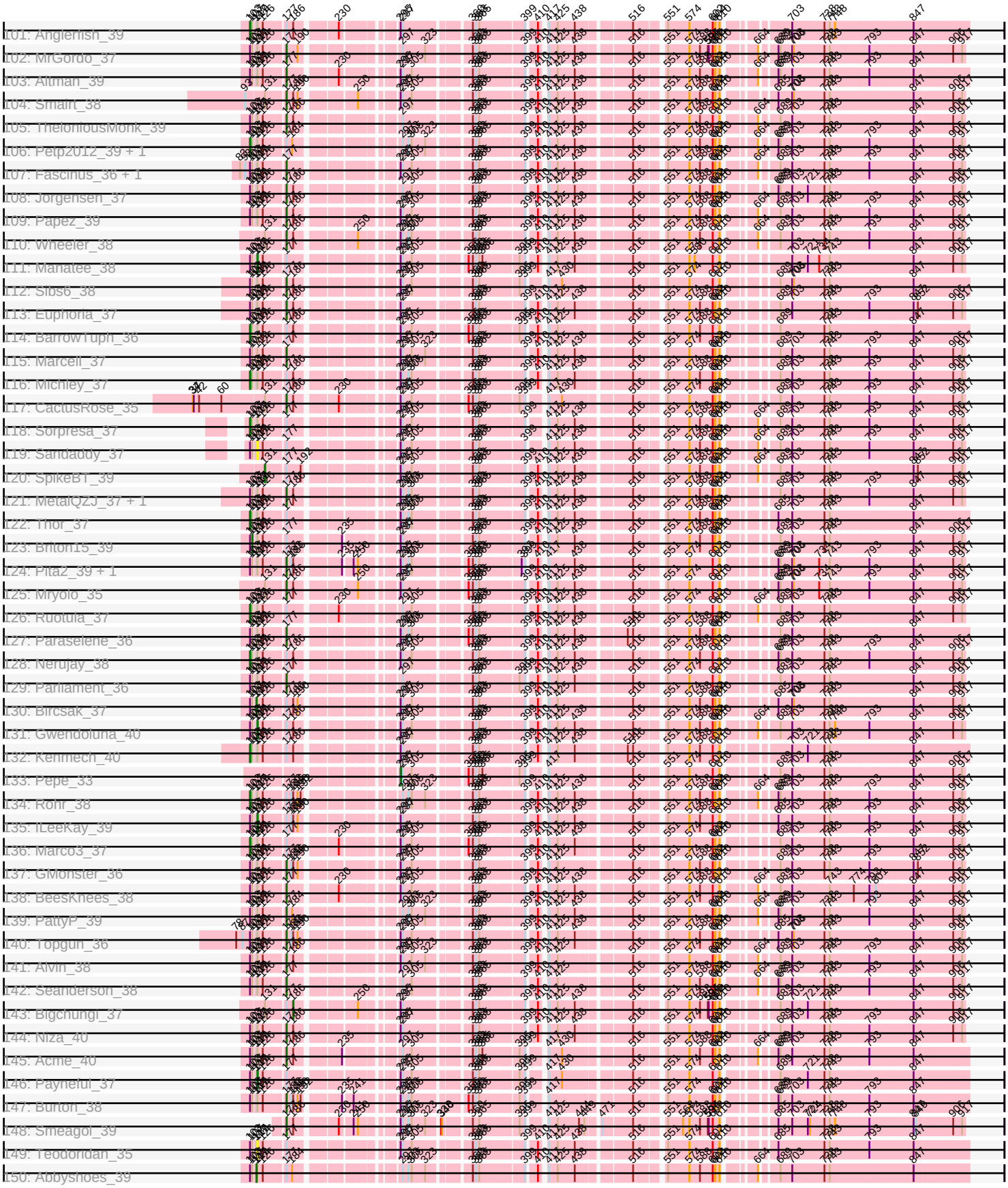
Pham 347032


1: Crispicous1_36 + 1
2: Rajelicia_37
3: PowerRanger_38
4: Zeuska_38 + 1
5: PhrostyMug_38
6: LilBib_37
7: Bethlehem_37
8: GageAP_39
9: Marchy_32
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: Seabiscuit_39
19: Violet_36
20: Bones_37
21: HanShotFirst_36
22: DirtDevil_39 + 1
23: KikiBouba_40 + 3
24: Paphu_36
25: KBG_38
26: DD5_38 + 1
27: Rhynn_37
28: RidgeCB_37
29: Rufus_39
30: Ruthenerd_39
31: Doom_37
32: Trail412_39
33: Dreamboat_38 + 1
34: Ciao_37
35: JackSparrow_38
36: HarryOW_37
37: Peterson_40
38: Pari_38
39: BK1_34 + 1
40: JC27_38
41: Maroc7_37
42: Ichabod_38
43: Ashballer_39
44: Ringer_38
45: McGuire_38
46: Arlo_36
47: Tripl3t_38
48: BillKnuckles_38
49: Sagefire_39
50: Bruns_36

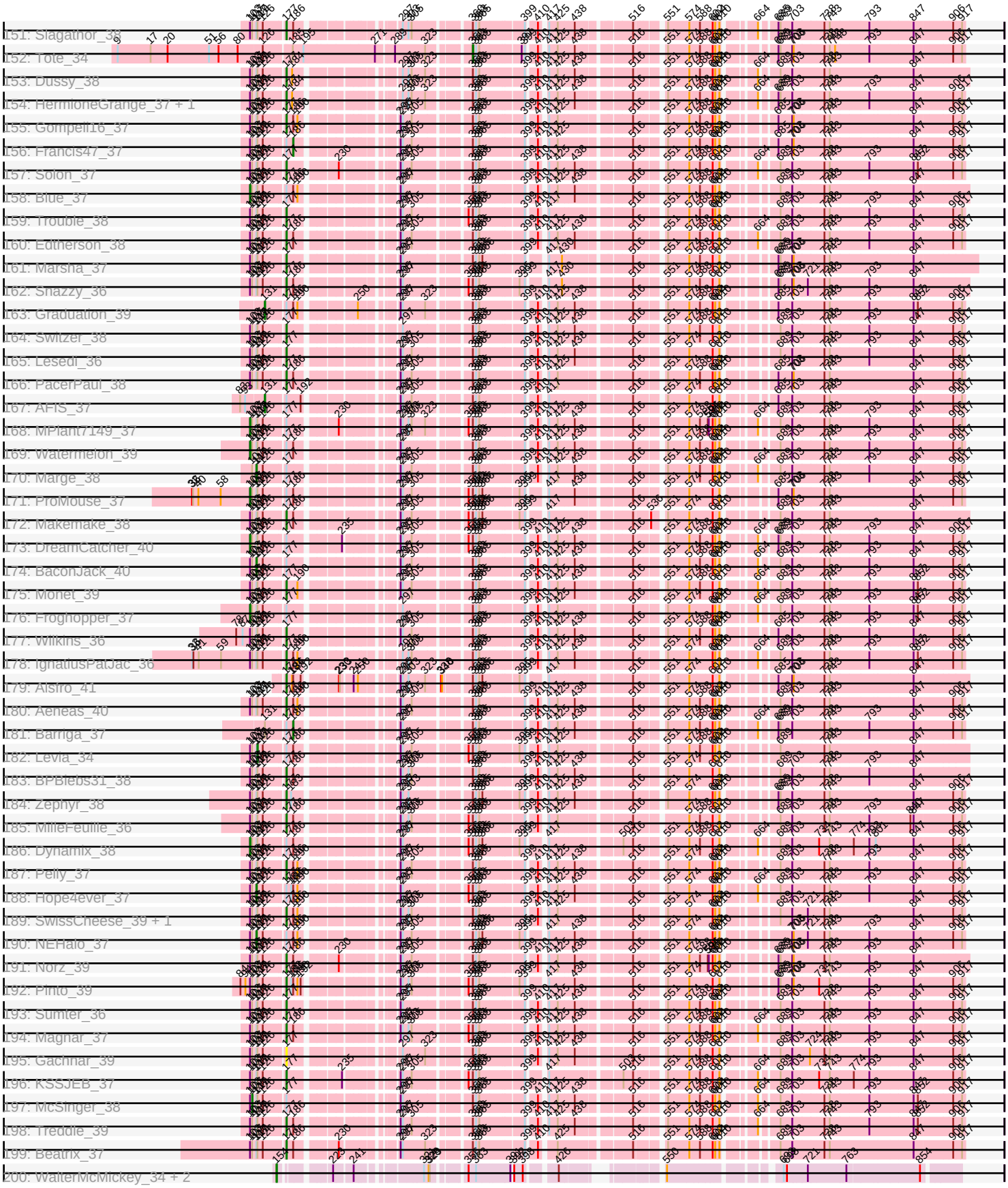
Pham 347032


51: Ajay_38
52: KyMonks1A_40
53: Swole_39 + 1
54: Perseus_39
55: Museum_39
56: GrecoEtereo_39
57: Fajezeel_39 + 2
58: Kanely_38
59: PinkPlastic_36
60: Sanya_37
61: BigMau_39
62: Raid_37
63: Killigrew_35
64: O2_37
65: STLscum_38
66: Sunshine924_39
67: Zeeculate_37
68: Big3_37
69: Eyeball_37 + 2
70: Bexan_35 + 1
71: QTRifleCrisis_38 + 1
72: Blesser_37
73: Nhonho_37
74: SkiPole_40
75: PherrisBueller_38
76: Jerm2_38
77: GroundGoblin_39
78: Forsytheast_37 + 1
79: SanFire_37
80: PhineBark_36
81: Conceptii_39
82: Bob3_36
83: Petruchio_38
84: Espresso_37
85: Oogway_36 + 1
86: Lopton_38
87: Lamina13_37
88: Blackflame_37
89: Inyanga_35 + 1
90: Dulcie_36
91: Philippers_35
92: Ohno789_37
93: Bxb1_35
94: Dexes_37
95: Atkinbua_39
96: Fenn_38 + 2
97: TwoPeat_38
98: Mkhuseli_38
99: Turj99_36 + 1
100: Licorice_39

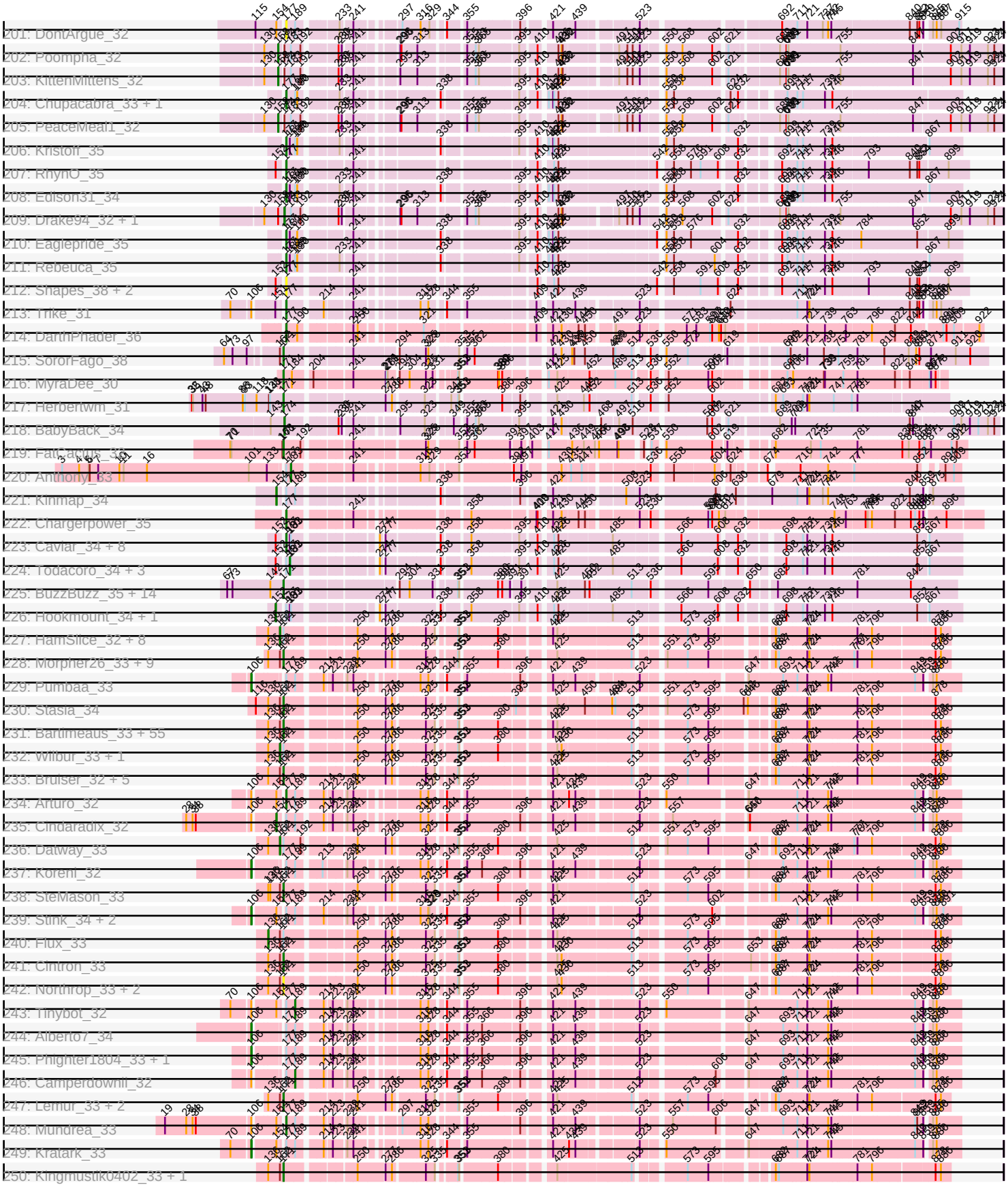
Pham 347032


I01: Anglerfish_39
I02: MrGordo_37
I03: Altman_39
I04: Smairt_38
I05: TheloniousMonk_39
I06: Petp2012_39 + 1
I07: Fascinus_36 + 1
I08: Jorgensen_37
I09: Papez_39
I10: Wheeler_38
I11: Manatee_38
I12: Sibs6_38
I13: Euphoria_37
I14: BarrowTuph_36
I15: Marcell_37
I16: Michley_37
I17: CactusRose_35
I18: Sorpresa_37
I19: Sandaddy_37
I20: SpikeBT_39
I21: MetalQZJ_37 + 1
I22: Thor_37
I23: Britton15_39
I24: Pita2_39 + 1
I25: Mryolo_35
I26: Ruotula_37
I27: Paraselene_36
I28: Nerujay_38
I29: Parliament_36
I30: Bircsak_37
I31: Gwendoluna_40
I32: Kenmech_40
I33: Pepe_33
I34: Rohr_38
I35: ILeeKay_39
I36: Marco3_37
I37: GMonster_36
I38: BeesKnees_38
I39: PattyP_39
I40: Topgun_36
I41: Alvin_38
I42: Seanderson_38
I43: Bigchungi_37
I44: Niza_40
I45: Acme_40
I46: Payneful_37
I47: Burton_38
I48: Smeagol_39
I49: Teodoridan_35
I50: Abbyshoes_39

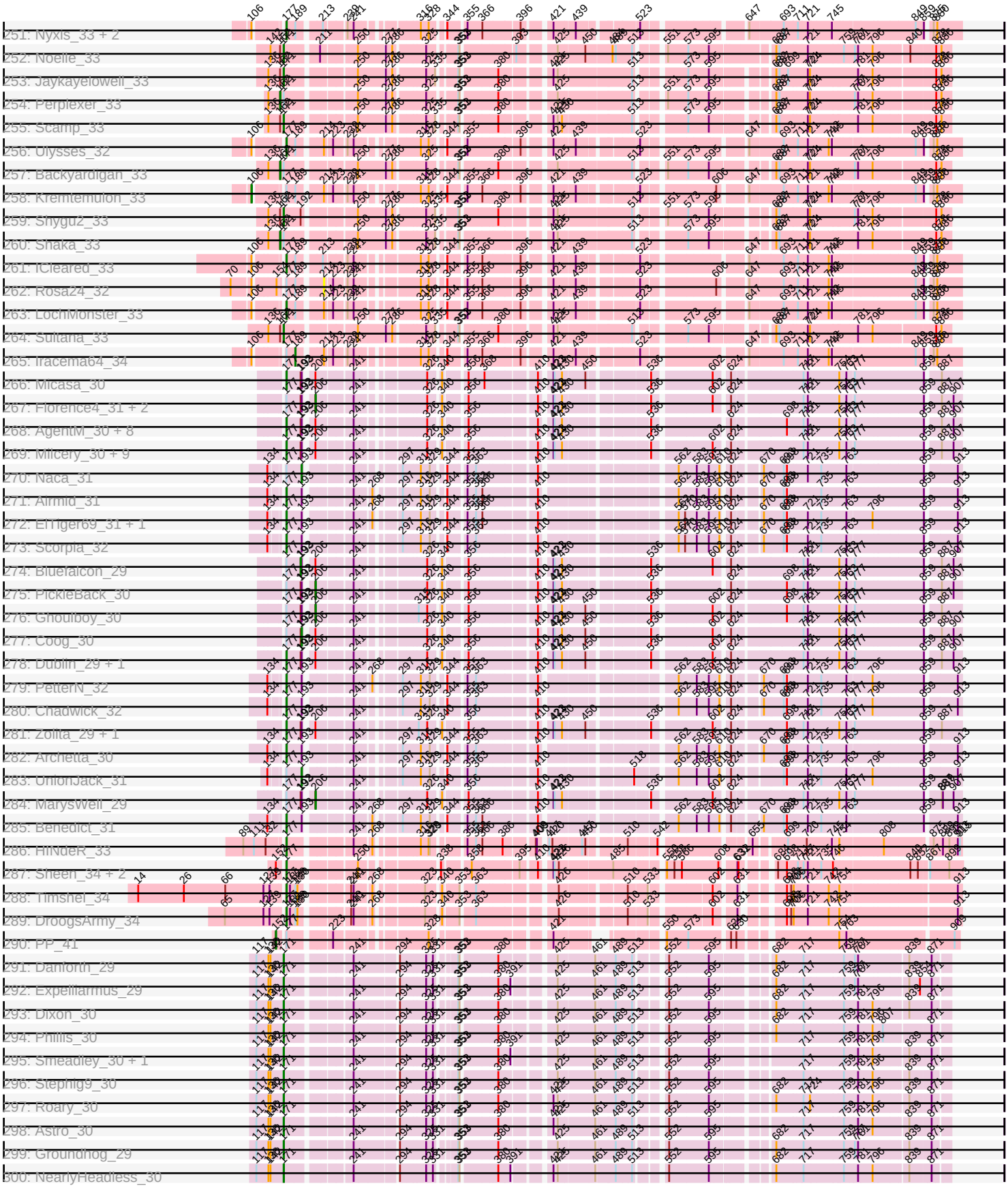
Pham 347032


151: Slagathor_38
152: Tote_34
153: Dussy_38
154: HermioneGrange_37 + 1
155: Gompeii16_37
156: Francis47_37
157: Solon_37
158: Blue_37
159: Trouble_38
160: Edtherson_38
161: Marsha_37
162: Snazzy_36
163: Graduation_39
164: Switzer_38
165: Lesedi_36
166: PacerPaul_38
167: AFIS_37
168: MPlant7149_37
169: Watermelon_39
170: Marge_38
171: ProMouse_37
172: Makemake_38
173: DreamCatcher_40
174: BaconJack_40
175: Monet_39
176: Froghopper_37
177: Wilkins_36
178: IgnatiusPatJac_36
179: Alsiro_41
180: Aeneas_40
181: Barriga_37
182: Levia_34
183: BPBlebs31_38
184: Zephyr_38
185: MilleFeuille_36
186: Dynamix_38
187: Pelly_37
188: Hope4ever_37
189: SwissCheese_39 + 1
190: NEHalo_37
191: Norz_39
192: Pinto_39
193: Sumter_36
194: Maghar_37
195: Gachnar_39
196: KSSJEB_37
197: McSinger_38
198: Treddie_39
199: Beatrix_37
200: WalterMcMickey_34 + 2

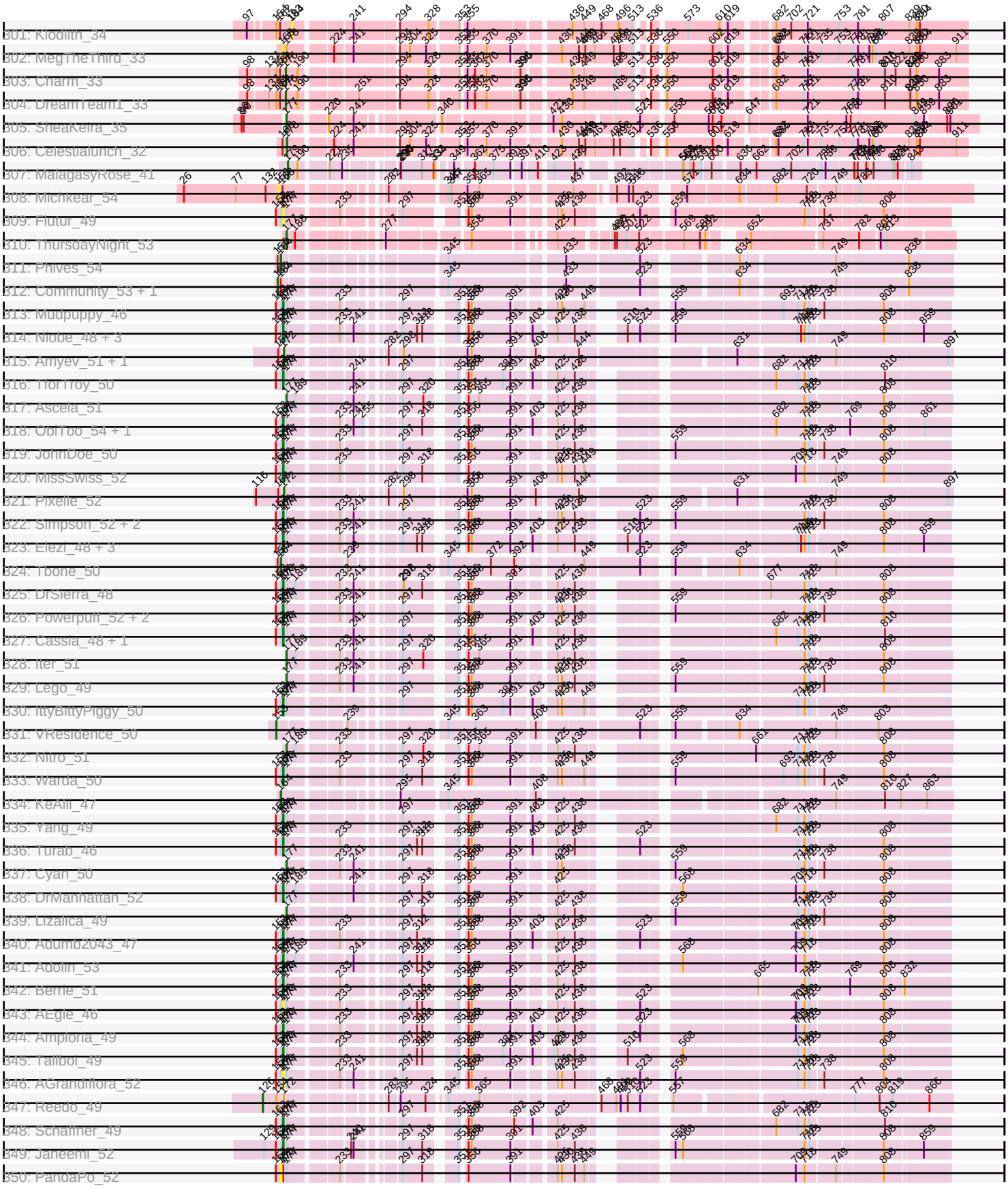
Pham 347032


201: DontArgue_32
202: Poompha_32
203: KittenMittens_32
204: Chupacabra_33 + 1
205: PeaceMeal1_32
206: Kristoff_35
207: RhynO_35
208: Edison31_34
209: Drake94_32 + 1
210: Eaglepride_35
211: Rebeuca_35
212: Shapes_38 + 2
213: Trike_31
214: DarthPhader_36
215: SororFago_38
216: MyraDee_30
217: Herbertwm_31
218: BabyBack_34
219: FatCactus_36
220: Anthonyl_33
221: Kinmap_34
222: Chargerpower_35
223: Caviar_34 + 8
224: Todacoro_34 + 3
225: BuzzBuzz_35 + 14
226: Hookmount_34 + 1
227: HamSlice_32 + 8
228: Morpher26_33 + 9
229: Pumbaa_33
230: Stasia_34
231: Bartimeaus_33 + 55
232: Wilbur_33 + 1
233: Bruiser_32 + 5
234: Arturo_32
235: Cindaradix_32
236: Datway_33
237: Koreni_32
238: SteMason_33
239: Stink_34 + 2
240: Flux_33
241: Cintron_33
242: Northrop_33 + 2
243: Tinybot_32
244: Alberto7_34
245: Phighter1804_33 + 1
246: Camperdownii_32
247: Lemur_33 + 2
248: Mundrea_33
249: Kratark_33
250: Kingmustik0402_33 + 1

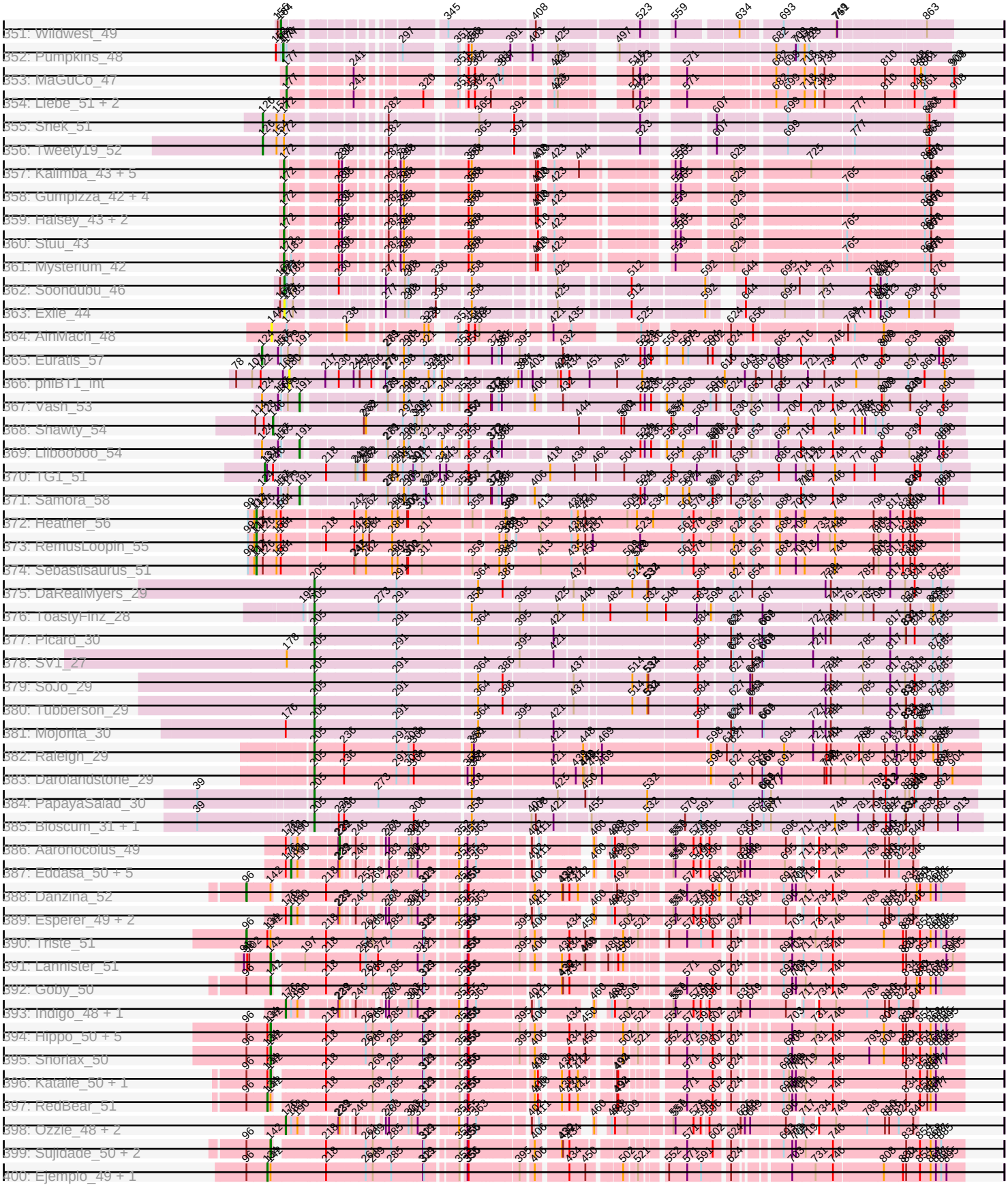
Pham 347032


251: Nyxis_33 + 2
252: Noelle_33
253: Jaykayelowell_33
254: Perplexer_33
255: Scamp_33
256: Ulysses_32
257: Backyardigan_33
258: Kremlemulon_33
259: Shygu2_33
260: Shaka_33
261: ICleared_33
262: Rosa24_32
263: LochMonster_33
264: Sultana_33
265: Iracema64_34
266: Micasa_30
267: Florence4_31 + 2
268: AgentM_30 + 8
269: Mllcery_30 + 9
270: Naca_31
271: Airmid_31
272: Effiger69_31 + 1
273: Scorpia_32
274: Bluefalcon_29
275: PickleBack_30
276: Ghoulboy_30
277: Coog_30
278: Dublin_29 + 1
279: PetterN_32
280: Chadwick_32
281: Zolita_29 + 1
282: Archetta_30
283: UnionJack_31
284: MarysWell_29
285: Benedict_31
286: HiNdeR_33
287: Sheen_34 + 2
288: Timshel_34
289: DroogsArmy_34
290: PP_41
291: Danforth_29
292: Expelliarmus_29
293: Dixon_30
294: Phillis_30
295: Smeadley_30 + 1
296: Stephig9_30
297: Roary_30
298: Astro_30
299: Groundhog_29
300: NearlyHeadless_30

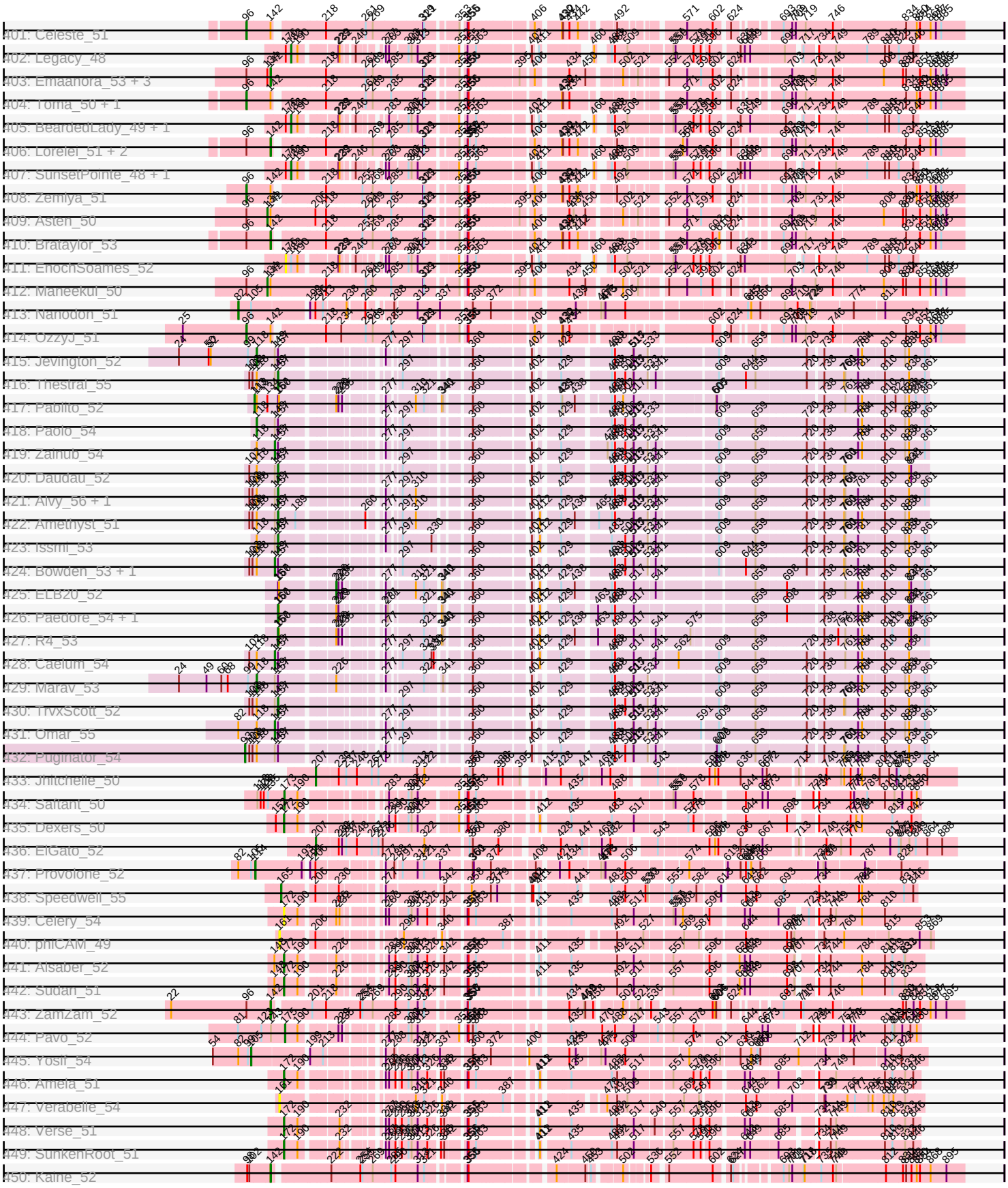
Pham 347032


301: Kloolith_34
302: MegTheThird_33
303: Charm_33
304: DreamTeam1_33
305: SheaKeira_35
306: Celestialunch_32
307: MalagasyRose_41
308: Michkeal_54
309: Flutur_49
310: ThursdayNight_53
311: Phives_54
312: Community_53 + 1
313: Mudpuppy_46
314: Niobe_48 + 3
315: Amyev_51 + 1
316: ThorTroy_50
317: Ascela_51
318: ObiTroo_54 + 1
319: JohnDoe_50
320: MissSwiss_52
321: Pixelle_52
322: Simpson_52 + 2
323: Elezi_48 + 3
324: Tbone_50
325: DrSierra_48
326: Powerpuff_52 + 2
327: Cassia_48 + 1
328: Iter_51
329: Lego_49
330: IttyBittyPiggy_50
331: VResidence_50
332: Nitro_51
333: Warda_50
334: KeAlli_47
335: Yang_49
336: Turab_46
337: Cyan_50
338: DrManhattan_52
339: Lizalica_49
340: Adumb2043_47
341: Addilh_53
342: Bernie_51
343: AEgle_46
344: Amploria_49
345: Tallbol_49
346: AGrandiflora_52
347: Reedo_49
348: Schaffner_49
349: Janeemi_52
350: PandaPo_52

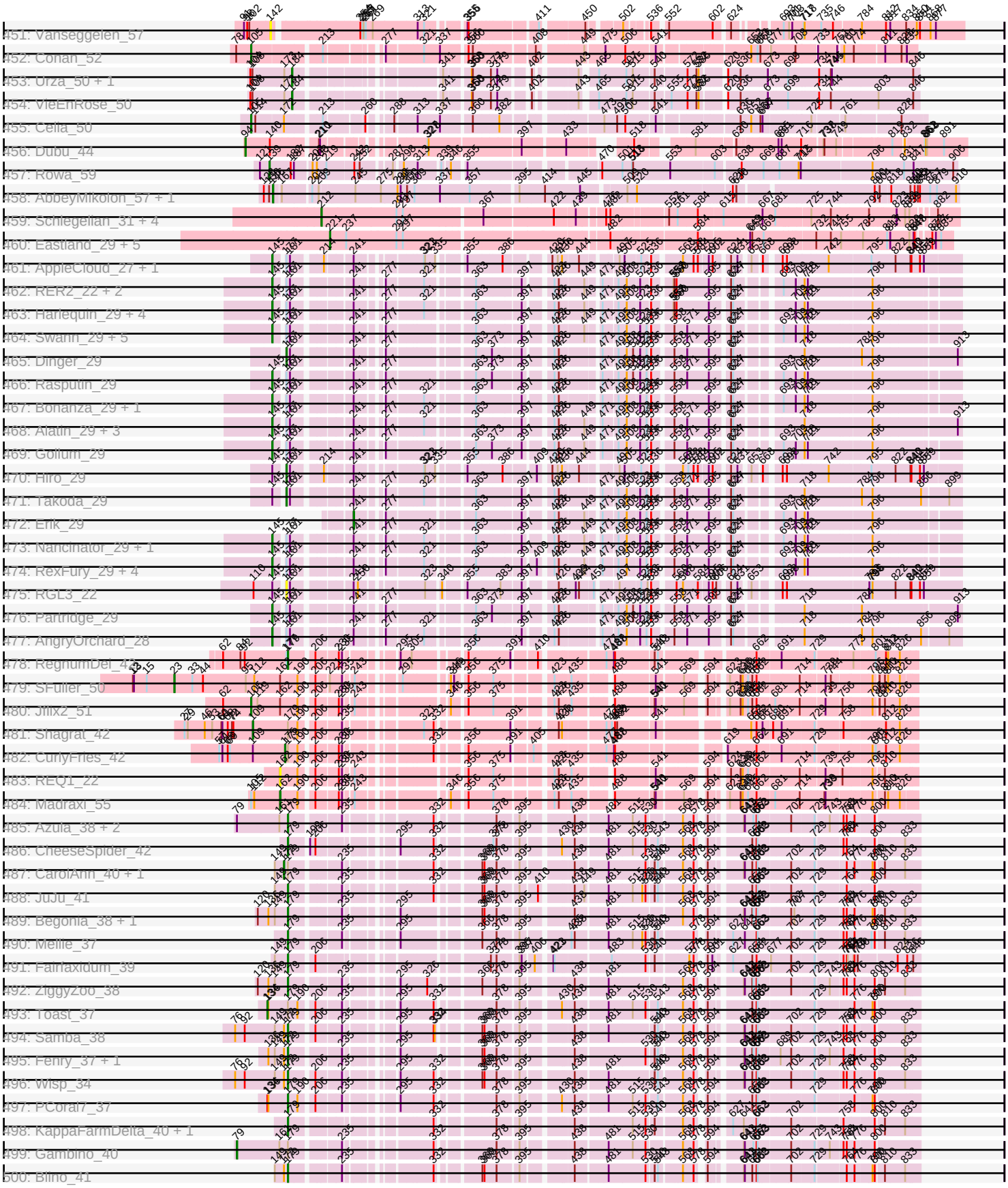
Pham 347032


351: Wildwest_49
352: Pumpkins_48
353: MaGuCo_47
354: Liebe_51 + 2
355: Snek_51
356: Tweety19_52
357: Kalimba_43 + 5
358: Gumpizza_42 + 4
359: Halsey_43 + 2
360: Stuu_43
361: Mysterium_42
362: Soondubu_46
363: Exile_44
364: AimMach_48
365: Euratis_57
366: phiBT1_int
367: Vash_53
368: Shawty_54
369: Lilboobboo_54
370: TG1_51
371: Samora_58
372: Heather_56
373: RemusLoopin_55
374: Sebastisaurus_51
375: DaRealMyers_29
376: ToastyFinz_28
377: Picard_30
378: SV1_27
379: SoJo_29
380: Tubberson_29
381: Mojorita_30
382: Raleigh_29
383: Darolandstone_29
384: PapayaSalad_30
385: Bioscum_31 + 1
386: Aaronocolus_49
387: Eddasa_50 + 5
388: Danzina_52
389: Esperer_49 + 2
390: Triste_51
391: Lannister_51
392: Goby_50
393: Indigo_48 + 1
394: Hippo_50 + 5
395: Shonax_50
396: Kataile_50 + 1
397: RedBear_51
398: Ozzie_48 + 2
399: Sujidade_50 + 2
400: Ejemplo_49 + 1

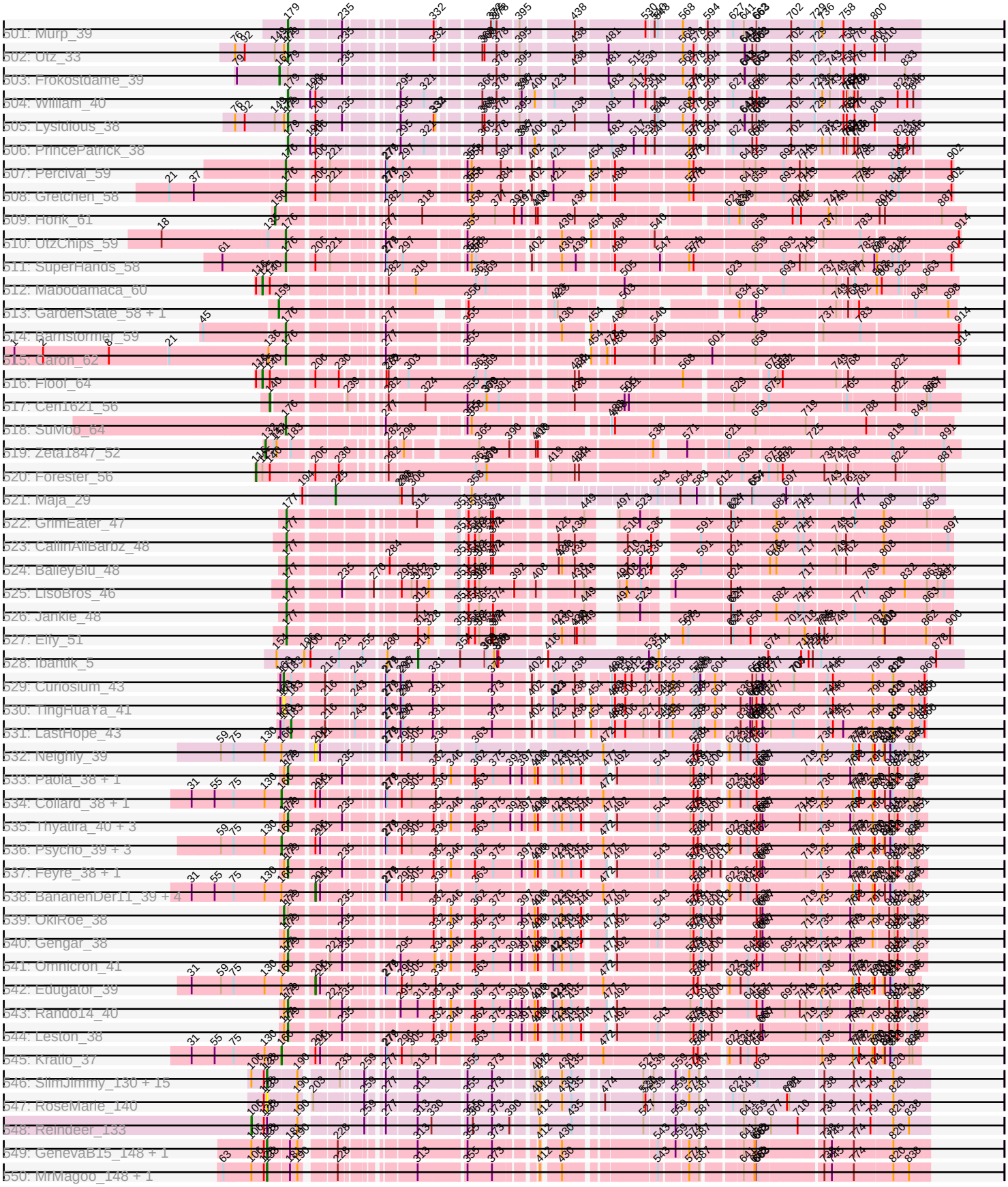
Pham 347032



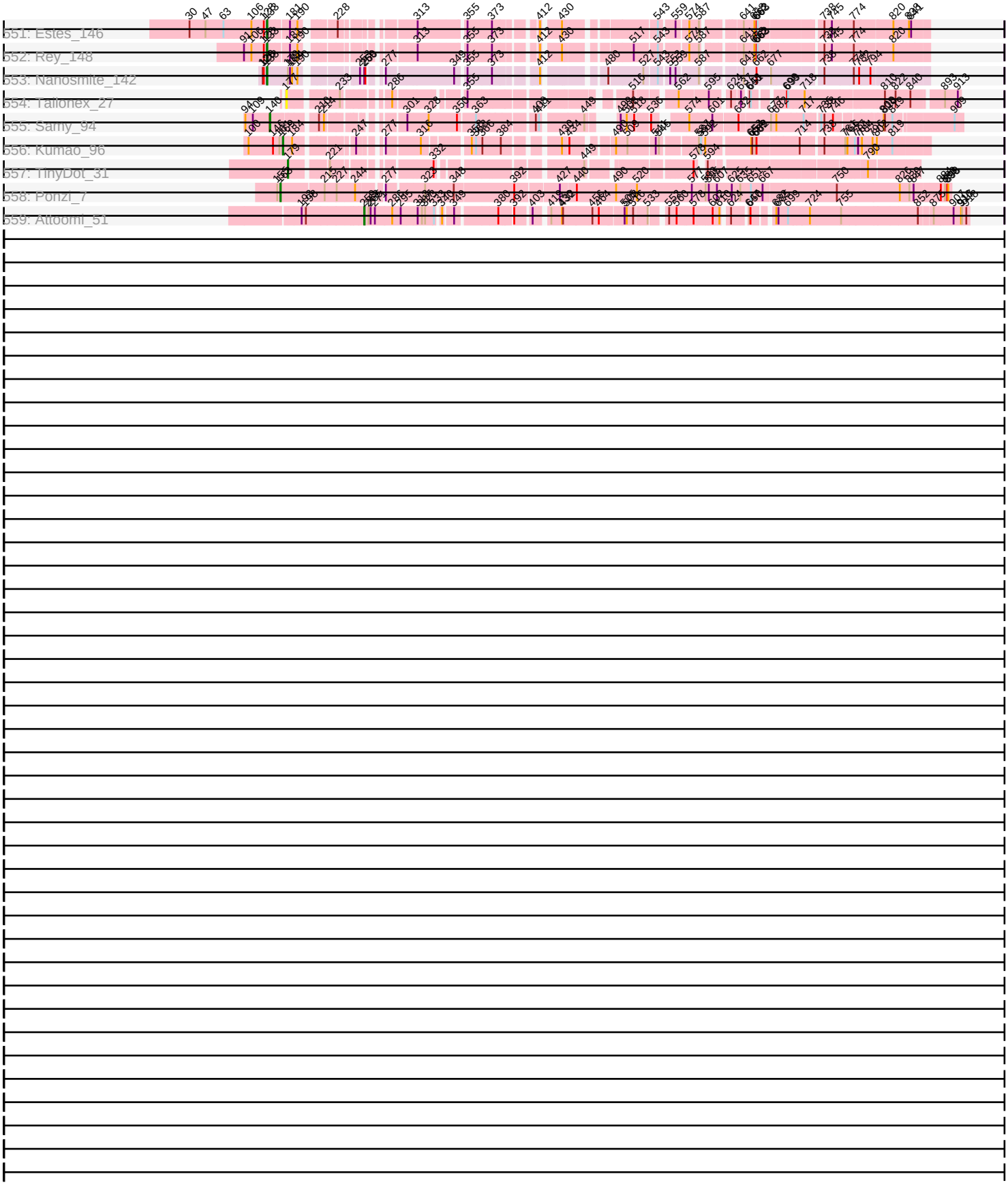
Pham 347032


451: Vanseggelen_57
452: Conan_52
453: Orza_50 + 1
454: VieEnRose_50
455: Cella_50
456: Dubu_44
457: Rowa_59
458: AbbeyMikolon_57 + 1
459: Schlegelian_31 + 4
460: Eastland_29 + 5
461: AppleCloud_27 + 1
462: RER2_22 + 2
463: Harlequin_29 + 4
464: Swann_29 + 5
465: Dinger_29
466: Rasputin_29
467: Bonanza_29 + 1
468: Alatin_29 + 3
469: Gollum_29
470: Hiro_29
471: Takoda_29
472: Erik_29
473: Nancinator_29 + 1
474: RexFury_29 + 4
475: RGL3_22
476: Partridge_29
477: AngryOrchard_28
478: RegnumDei_42
479: SFuller_50
480: Jflix2_51
481: Shagrat_42
482: CurlyFries_42
483: REQ1_22
484: Madraxi_55
485: Azula_38 + 2
486: CheeseSpider_42
487: CarolAnn_40 + 1
488: JuJu_41
489: Begonia_38 + 1
490: Mellie_37
491: Fairaxidum_39
492: Ziggy200_38
493: Toast_37
494: Samba_38
495: Fenry_37 + 1
496: Wisp_34
497: PCoral7_37
498: KappaFarmDelta_40 + 1
499: Gambino_40
500: Bilno_41

Pham 347032



Pham 347032


551: Estes_146
552: Rey_148
553: Nanosmile_142
554: Tallonex_27
555: Samy_94
556: Kumao_96
557: TinyDot_31
558: Ponzi_7
559: 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 347032 Report

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

WARNING: Pham size does not match number of genes in report. Either unphamerated genes have been added (by you) or starterator has removed genes due to invalid start codon.

Pham number 347032 has 859 members, 58 are drafts.

Phages represented in each track:
- Track 1 : Crispicous1_36, DrFeelGood_36
- Track 2 : Rajelicia_37
- Track 3 : PowerRanger_38
- Track 4 : Zeuska_38, Abrogate_380
- Track 5 : PhrostyMug_38
- Track 6 : LilBib_37
- Track 7 : Bethlehem_37
- Track 8 : GageAP_39
- Track 9 : Marchy_32
- 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 : Seabiscuit_39
- Track 19 : Violet_36
- Track 20 : Bones_37
- Track 21 : HanShotFirst_36
- Track 22 : DirtDevil_39, CatBus_39
- Track 23 : KikiBouba_40, Noxious_40, Hermia_40, Aldrich_39
- Track 24 : Paphu_36
- Track 25 : KBG_38
- Track 26 : DD5_38, Lockley_38
- Track 27 : Rhynn_37
- Track 28 : RidgeCB_37
- Track 29 : Rufus_39
- Track 30 : Rutherferd_39
- Track 31 : Doom_37
- Track 32 : Traft412_39
- Track 33 : Dreamboat_38, Jasper_38

- Track 34 : Ciao_37
- Track 35 : JackSparrow_38
- Track 36 : HarryOW_37
- Track 37 : Peterson_40
- Track 38 : Pari_38
- Track 39 : BK1_34, A6_34
- Track 40 : JC27_38
- Track 41 : Maroc7_37
- Track 42 : Ichabod_38
- Track 43 : Ashballer_39
- Track 44 : Ringer_38
- Track 45 : McGuire_38
- Track 46 : Arlo_36
- Track 47 : Tripl3t_38
- Track 48 : BillKnuckles_38
- Track 49 : Sagefire_39
- Track 50 : Bruns_36
- Track 51 : Ajay_38
- Track 52 : KyMonks1A_40
- Track 53 : Swole_39, JuliaChild_39
- Track 54 : Perseus_39
- Track 55 : Museum_39
- Track 56 : GrecoEtereo_39
- Track 57 : Fajezeel_39, Greg_39, Pippin_39
- Track 58 : Kanely_38
- Track 59 : PinkPlastic_36
- Track 60 : Sanya_37
- Track 61 : BigMau_39
- Track 62 : Raid_37
- Track 63 : Killigrew_35
- Track 64 : U2_37
- Track 65 : STLscum_38
- Track 66 : Sunshine924_39
- Track 67 : Zeeculate_37
- Track 68 : Big3_37
- Track 69 : Eyeball_37, LunarLander_38, Puppet_37
- Track 70 : Bexan_35, StrongArm_36
- Track 71 : QTRlifeCrisis_38, CartmannCramer_37
- Track 72 : Blesser_37
- Track 73 : Nhonho_37
- Track 74 : SkiPole_40
- Track 75 : PherrisBueller_38
- Track 76 : Jerm2_38
- Track 77 : GroundGoblin_39
- Track 78 : Forsytheast_37, Corvo_38
- Track 79 : SarFire_37
- Track 80 : PhineBark_36
- Track 81 : ConceptII_39
- Track 82 : Bob3_36
- Track 83 : Petruchio_38
- Track 84 : Espresso_37
- Track 85 : Oogway_36, Adahisdi_38
- Track 86 : Lopton_38

- Track 87 : Lamina13_37
- Track 88 : Blackflame_37
- Track 89 : Inyanga_35, Iqorha_35
- Track 90 : Dulcie_36
- Track 91 : Phlippers_35
- Track 92 : Ohno789_37
- Track 93 : Bxb1_35
- Track 94 : Dexes_37
- Track 95 : Atkinbua_39
- Track 96 : Fenn_38, Squee_38, Naira_38
- Track 97 : TwoPeat_38
- Track 98 : Mkhuseli_38
- Track 99 : Turj99_36, Magnito_36
- Track 100 : Licorice_39
- Track 101 : Anglerfish_39
- Track 102 : MrGordo_37
- Track 103 : Altman_39
- Track 104 : Smairt_38
- Track 105 : TheloniousMonk_39
- Track 106 : Petp2012_39, Molly_39
- Track 107 : Fascinus_36, Bigfoot_35
- Track 108 : Jorgensen_37
- Track 109 : Papez_39
- Track 110 : Wheeler_38
- Track 111 : Manatee_38
- Track 112 : Sibs6_38
- Track 113 : Euphoria_37
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- Track 117 : CactusRose_35
- Track 118 : Sorpresa_37
- Track 119 : Sandaddy_37
- Track 120 : SpikeBT_39
- Track 121 : MetalQZJ_37, MaryBeth_37
- Track 122 : Thor_37
- Track 123 : Briton15_39
- Track 124 : Pita2_39, PSullivan_36
- Track 125 : Mryolo_35
- Track 126 : Ruotula_37
- Track 127 : Paraselene_36
- Track 128 : Nerujay_38
- Track 129 : Parliament_36
- Track 130 : Bircsak_37
- Track 131 : Gwendoluna_40
- Track 132 : Kenmech_40
- Track 133 : Pepe_33
- Track 134 : Rohr_38
- Track 135 : ILeeKay_39
- Track 136 : Marco3_37
- Track 137 : GMonster_36
- Track 138 : BeesKnees_38
- Track 139 : PattyP_39

- Track 140 : Topgun_36
- Track 141 : Alvin_38
- Track 142 : Seanderson_38
- Track 143 : Bigchungi_37
- Track 144 : Niza_40
- Track 145 : Acme_40
- Track 146 : Payneful_37
- Track 147 : Burton_38
- Track 148 : Smeagol_39
- Track 149 : Teodoridan_35
- Track 150 : Abbyshoes_39
- Track 151 : Slagathor_38
- Track 152 : Tote_34
- Track 153 : Dussy_38
- Track 154 : HermioneGrange_37, Gandalf20_38
- Track 155 : Gompeii16_37
- Track 156 : Francis47_37
- Track 157 : Solon_37
- Track 158 : Blue_37
- Track 159 : Trouble_38
- Track 160 : Edtherson_38
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- Track 165 : Lesedi_36
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- Track 167 : AFIS_37
- Track 168 : MPlant7149_37
- Track 169 : Watermelon_39
- Track 170 : Marge_38
- Track 171 : ProMouse_37
- Track 172 : Makemake_38
- Track 173 : DreamCatcher_40
- Track 174 : BaconJack_40
- Track 175 : Monet_39
- Track 176 : Froghopper_37
- Track 177 : Wilkins_36
- Track 178 : IgnatiusPatJac_36
- Track 179 : Alsfro_41
- Track 180 : Aeneas_40
- Track 181 : Barriga_37
- Track 182 : Levia_34
- Track 183 : BPBiebs31_38
- Track 184 : Zephyr_38
- Track 185 : MilleFeuille_36
- Track 186 : Dynamix_38
- Track 187 : Pelly_37
- Track 188 : Hope4ever_37
- Track 189 : SwissCheese_39, Moose_37
- Track 190 : NEHalo_37
- Track 191 : Norz_39
- Track 192 : Pinto_39

• Track 193 : Sumter_36
• Track 194 : Magnar_37
• Track 195 : Gachnar_39
• Track 196 : KSSJEB_37
• Track 197 : McSinger_38
• Track 198 : Treddle_39
• Track 199 : Beatrix_37
• Track 200 : WalterMcMickey_34, Twister_34, Topanga_34
• Track 201 : DontArgue_32
• Track 202 : Poompha_32
• Track 203 : KittenMittens_32
• Track 204 : Chupacabra_33, OKCentral2016_33
• Track 205 : PeaceMeal1_32
• Track 206 : Kristoff_35
• Track 207 : RhynO_35
• Track 208 : Edison31_34
• Track 209 : Drake94_32, Severus_32
• Track 210 : Eaglepride_35
• Track 211 : Rebeuca_35
• Track 212 : Shapes_38, Rowdy_38, DustyMartin_38
• Track 213 : Trike_31
• Track 214 : DarthPhader_36
• Track 215 : SororFago_38
• Track 216 : MyraDee_30
• Track 217 : Herbertwm_31
• Track 218 : BabyBack_34
• Track 219 : FatCactus_32
• Track 220 : Anthony_33
• Track 221 : Kinmap_34
• Track 222 : Chargerpower_35
• Track 223 : Caviar_34, Margo_34, QuinnKiro_33, Noella_34, ResDef_34, Norbert_33, Popcicle_34, Panamaxus_33, Pocahontas_34
• Track 224 : Todacoro_34, EtoileNova_34, Texage_33, Veracruz_33
• Track 225 : BuzzBuzz_35, Daishi_35, Soshari_38, Phoxy_36, Bxz2_34, LarryKay_36, Rummer_36, Spike509_36, Methuselah_35, HashRod_37, Louie6_36, TinyPebbles_36, Misomonster_38, KADY_37, AgronaGT15_36
• Track 226 : Hookmount_34, Lambert1_34
• Track 227 : HamSlice_32, Maverick_33, Peaches_33, Bombshell_33, Caelakin_33, Holli_33, Pipcraft_33, Eros_33, Burger_32
• Track 228 : Morpher26_33, Katalie136_33, Wile_33, Bumblebee11_33, AbbysRanger_33, Achebe_32, PetiteSangsue_33, Badger_33, Xena_33, Cici_33
• Track 229 : Pumbaa_33
• Track 230 : Stasia_34
• Track 231 : Bartimeaus_33, Skadoosh_33, Ruin_33, Albee_33, Eris_32, Annyong_33, Junimo_32, Sabertooth_33, JoongJeon_33, OKaNui_34, Druantia_33, Millski_32, Broseidon_33, Lorenzo_33, Eapen_33, CentreCat_33, Nemo27_33, LappelDuVide_33, Florean_33, Skipitt_33, TygerBlood_33, Blackmoor_33, BubbleTrouble_33, Huxley_33, RockieBear_33, Spino_33, Roosevelt_33, Cocoaberry_33, Taquarus_33, Kyee_33, Baby16_33, Chaph_33, Phacado_33, NorthStar_33, Koan_33, Gadost_33, Mayonnaise_33, Connomayer_33, Relief_33, JetBlade_33, Dhanush_33, TiroTheta9_33, Citius_33, Funston_33, Wizard007_33, NotAPhaseMom_33, Thanksgivukkah_33, MeeZee_33, Houdini22_33, SenorClean_33, Happiness_33, Deano_33, Clarenza_33, YoSam321_33,

Palestino_32, KekoraPapaka_32
• Track 232 : Wilbur_33, Romney_33
• Track 233 : Bruiser_32, PeterPeter_33, Avle17_33, Wander_33, Mazhar510_33, Lunsford_34
• Track 234 : Arturo_32
• Track 235 : Cindaradix_32
• Track 236 : Datway_33
• Track 237 : Koreni_32
• Track 238 : SteMason_33
• Track 239 : Stink_34, AvatarAhPeg_34, Miramae_33
• Track 240 : Flux_33
• Track 241 : Cintron_33
• Track 242 : Northrop_33, Buckaroo_32, Rocksand_33
• Track 243 : Tinybot_32
• Track 244 : Alberto7_34
• Track 245 : Phighter1804_33, DirtyDunning_33
• Track 246 : Camperdownii_32
• Track 247 : Lemur_33, LittleB_33, KFPoly_33
• Track 248 : Mundrea_33
• Track 249 : Kratark_33
• Track 250 : Kingmustik0402_33, Iceman_34
• Track 251 : Nyxis_33, LittleGuy_33, Phontbonne_33
• Track 252 : Noelle_33
• Track 253 : Jaykayelowell_33
• Track 254 : Perplexer_33
• Track 255 : Scamp_33
• Track 256 : Ulysses_32
• Track 257 : Backyardigan_33
• Track 258 : Kremtemulon_33
• Track 259 : Shygu2_33
• Track 260 : Shaka_33
• Track 261 : ICleared_33
• Track 262 : Rosa24_32
• Track 263 : LochMonster_33
• Track 264 : Sultana_33
• Track 265 : Iracema64_34
• Track 266 : Micasa_30
• Track 267 : Florence4_31, Florence1_30, HuhtaEnerson15_30
• Track 268 : AgentM_30, Lev2_30, ForGetIt_30, Phlorence_30, Jovo_30, Conspiracy_30, Tiger_30, Aragog_30, Discoknowium_30
• Track 269 : Milcery_30, Tarynearal_29, Theia_28, Swirley_30, George_29, LittleCherry_30, Bonamassa_30, Twigg_30, Cuco_30, Prinashe11_30
• Track 270 : Naca_31
• Track 271 : Airmid_31
• Track 272 : ElTiger69_31, Jabiru_31
• Track 273 : Scorpia_32
• Track 274 : Bluefalcon_29
• Track 275 : PickleBack_30
• Track 276 : Ghoulboy_30
• Track 277 : Coog_30
• Track 278 : Dublin_29, Midas2_30
• Track 279 : PetterN_32
• Track 280 : Chadwick_32

- Track 281 : Zolita_29, SydNat_30
- Track 282 : Archetta_30
- Track 283 : UnionJack_31
- Track 284 : MarysWell_29
- Track 285 : Benedict_31
- Track 286 : HINdeR_33
- Track 287 : Sheen_34, Toro_35, FlyCatcher_36
- Track 288 : Timshel_34
- Track 289 : DroogsArmy_34
- Track 290 : PP_41
- Track 291 : Danforth_29
- Track 292 : Expelliarmus_29
- Track 293 : Dixon_30
- Track 294 : Phillis_30
- Track 295 : Smeadley_30, Caitlin_30
- Track 296 : Stephig9_30
- Track 297 : Roary_30
- Track 298 : Astro_30
- Track 299 : Groundhog_29
- Track 300 : NearlyHeadless_30
- Track 301 : Klodlith_34
- Track 302 : MegTheThird_33
- Track 303 : Charm_33
- Track 304 : DreamTeam1_33
- Track 305 : SheaKeira_35
- Track 306 : Celestialunch_32
- Track 307 : MalagasyRose_41
- Track 308 : Michkear_54
- Track 309 : Flutur_49
- Track 310 : ThursdayNight_53
- Track 311 : Phives_54
- Track 312 : Community_53, Tuck_53
- Track 313 : Mudpuppy_46
- Track 314 : Niobe_48, Jstan_50, Skelbel_49, Asa16_48
- Track 315 : Amyev_51, Tian_50
- Track 316 : TforTroy_50
- Track 317 : Ascela_51
- Track 318 : ObiToo_54, Crewmate_55
- Track 319 : JohnDoe_50
- Track 320 : MissSwiss_52
- Track 321 : Pixelle_52
- Track 322 : Simpson_52, Joemato_50, Kaylissa_51
- Track 323 : Elezi_48, Eraser_48, London_48, Subaru_48
- Track 324 : Tbone_50
- Track 325 : DrSierra_48
- Track 326 : Powerpuff_52, Tutumahutu_51, YesChef_50
- Track 327 : Cassia_48, JuneStar_51
- Track 328 : Iter_51
- Track 329 : Lego_49
- Track 330 : IttyBittyPiggy_50
- Track 331 : VResidence_50
- Track 332 : Nitro_51
- Track 333 : Warda_50

• Track 334 : KeAlii_47
• Track 335 : Yang_49
• Track 336 : Turab_46
• Track 337 : Cyan_50
• Track 338 : DrManhattan_52
• Track 339 : Lizalica_49
• Track 340 : Adumb2043_47
• Track 341 : Adolin_53
• Track 342 : Berrie_51
• Track 343 : AEgle_46
• Track 344 : Amploria_49
• Track 345 : Tallboi_49
• Track 346 : AGrandiflora_52
• Track 347 : Reedo_49
• Track 348 : Schaffner_49
• Track 349 : Janeemi_52
• Track 350 : PandaPo_52
• Track 351 : Wildwest_49
• Track 352 : Pumpkins_48
• Track 353 : MaGuCo_47
• Track 354 : Liebe_51, IUFootball_52, Maureen_51
• Track 355 : Snek_51
• Track 356 : Tweety19_52
• Track 357 : Kalimba_43, Gambol_44, Sabourin_43, Donkey_43, Cappuccino_43, Sooty_43
• Track 358 : Gumpizza_42, RockScotty_42, Giorgio_42, Ashes_43, Beaupre_42
• Track 359 : Halsey_43, Moss_43, SpecialK_43
• Track 360 : Stuu_43
• Track 361 : Mysterium_42
• Track 362 : Soondubu_46
• Track 363 : Exile_44
• Track 364 : AinMach_48
• Track 365 : Euratis_57
• Track 366 : phiBT1_int
• Track 367 : Vash_53
• Track 368 : Shawty_54
• Track 369 : Lilbooboo_54
• Track 370 : TG1_51
• Track 371 : Samora_58
• Track 372 : Heather_56
• Track 373 : RemusLoopin_55
• Track 374 : Sebastisaurus_51
• Track 375 : DaRealMyers_29
• Track 376 : ToastyFinz_28
• Track 377 : Picard_30
• Track 378 : SV1_27
• Track 379 : SoJo_29
• Track 380 : Tubberson_29
• Track 381 : Mojorita_30
• Track 382 : Raleigh_29
• Track 383 : Darolandstone_29
• Track 384 : PapayaSalad_30
• Track 385 : Bioscum_31, Ididsumtinwong_31

• Track 386 : Aaronocolus_49
• Track 387 : Eddasa_50, BryanRecycles_50, Rusticus_50, Jash_50, Izzy_50, Oliynyk_50
• Track 388 : Danzina_52
• Track 389 : Esperer_49, Unstoppable_49, Nerdos_48
• Track 390 : Triste_51
• Track 391 : Lannister_51
• Track 392 : Goby_50
• Track 393 : Indigo_48, Leviticus_49
• Track 394 : Hippo_50, Dwayne_50, Whatever_50, Chucky_50, BarryBee_53, Werner_50
• Track 395 : Snorlax_50
• Track 396 : Katalie_50, South40_50
• Track 397 : RedBear_51
• Track 398 : Ozzie_48, Bovely_49, Hydra_50
• Track 399 : Sujidade_50, Lika_49, Godpower_51
• Track 400 : Ejemplo_49, TuanPN_49
• Track 401 : Celeste_51
• Track 402 : Legacy_48
• Track 403 : Emaanora_53, SarahRose_50, Yasdnil_50, TagePhighter_52
• Track 404 : Toma_50, Dattran_52
• Track 405 : BeardedLady_49, Caliburn_48
• Track 406 : Lorelei_51, Nabi_51, Rana_51
• Track 407 : SunsetPointe_48, Phettuccine_49
• Track 408 : Zemlya_51
• Track 409 : Asten_50
• Track 410 : Brataylor_53
• Track 411 : EnochSoames_52
• Track 412 : Maneekul_50
• Track 413 : Nanodon_51
• Track 414 : OzzyJ_51
• Track 415 : Jevington_52
• Track 416 : Thestral_55
• Track 417 : Pablito_52
• Track 418 : Paolo_54
• Track 419 : Zainub_54
• Track 420 : Daudau_52
• Track 421 : Alvy_56, BartholomewSD_56
• Track 422 : Amethyst_51
• Track 423 : Issmi_53
• Track 424 : Bowden_53, TinaBelcher_53
• Track 425 : ELB20_52
• Track 426 : Paedore_54, Loofah_55
• Track 427 : R4_53
• Track 428 : Caelum_54
• Track 429 : Marav_53
• Track 430 : TrvxScott_52
• Track 431 : Omar_55
• Track 432 : Puginator_54
• Track 433 : Jhitchelle_50
• Track 434 : Saftant_50
• Track 435 : Dexers_50
• Track 436 : ElGato_52

• Track 437 : Provolone_52
• Track 438 : Speedwell_55
• Track 439 : Celery_54
• Track 440 : phiCAM_49
• Track 441 : Alsaber_52
• Track 442 : Sudan_51
• Track 443 : ZamZam_52
• Track 444 : Pavo_52
• Track 445 : Yosif_54
• Track 446 : Amela_51
• Track 447 : Verabelle_54
• Track 448 : Verse_51
• Track 449 : SunkenRoot_51
• Track 450 : Kaine_52
• Track 451 : Vanseggelen_57
• Track 452 : Conan_52
• Track 453 : Urza_50, Itza_50
• Track 454 : VieEnRose_50
• Track 455 : Celia_50
• Track 456 : Dubu_44
• Track 457 : Rowa_59
• Track 458 : AbbeyMikolon_57, Nesbitt_55
• Track 459 : Schlegelian_31, Vondra_28, Cumberbatch_30, HFrancette_30, ArizonaGT_30
• Track 460 : Eastland_29, AxeJC_29, Eklok_30, FrumpyGal_30, Ignacio_30, Piccadilly_29
• Track 461 : AppleCloud_27, Krishelle_29
• Track 462 : RER2_22, PhailMary_28, Alpacados_28
• Track 463 : Harlequin_29, BobbyDazzler_29, Yoncess_29, Bryce_29, Jester_29
• Track 464 : Swann_29, CosmicSans_29, Phrankenstein_29, Lillie_29, Rhodalysa_29, TWAMP_29
• Track 465 : Dinger_29
• Track 466 : Rasputin_29
• Track 467 : Bonanza_29, Yogi_29
• Track 468 : Alatin_29, StCroix_29, Naiad_29, Shuman_29
• Track 469 : Gollum_29
• Track 470 : Hiro_29
• Track 471 : Takoda_29
• Track 472 : Erik_29
• Track 473 : Nancinator_29, Bradshaw_29
• Track 474 : RexFury_29, UhSalsa_29, Espica_29, Belenaria_29, Natosaleda_29
• Track 475 : RGL3_22
• Track 476 : Partridge_29
• Track 477 : AngryOrchard_28
• Track 478 : RegnumDei_42
• Track 479 : SFuller_50
• Track 480 : Jflix2_51
• Track 481 : Shagrat_42
• Track 482 : CurlyFries_42
• Track 483 : REQ1_22
• Track 484 : Madraxi_55
• Track 485 : Azula_38, Blueberry_37, MissRona_38
• Track 486 : CheeseSpider_42

• Track 487 : CarolAnn_40, Soilmate_42
• Track 488 : JuJu_41
• Track 489 : Begonia_38, Malachai_38
• Track 490 : Mellie_37
• Track 491 : Fairfaxidum_39
• Track 492 : ZiggyZoo_38
• Track 493 : Toast_37
• Track 494 : Samba_38
• Track 495 : Fenry_37, Jalammah_42
• Track 496 : Wisp_34
• Track 497 : PCoral7_37
• Track 498 : KappaFarmDelta_40, Wocket_39
• Track 499 : Gambino_40
• Track 500 : Blino_41
• Track 501 : Murp_39
• Track 502 : Utz_33
• Track 503 : Frokostdame_39
• Track 504 : William_40
• Track 505 : Lysidious_38
• Track 506 : PrincePatrick_38
• Track 507 : Percival_59
• Track 508 : Gretchen_58
• Track 509 : Honk_61
• Track 510 : UtzChips_59
• Track 511 : SuperHands_58
• Track 512 : Mabodamaca_60
• Track 513 : GardenState_58, IAmGroot_57
• Track 514 : Barnstormer_59
• Track 515 : Caron_62
• Track 516 : Floof_64
• Track 517 : Cen1621_56
• Track 518 : SuMoo_64
• Track 519 : Zeta1847_52
• Track 520 : Forester_56
• Track 521 : Maja_29
• Track 522 : GrimEater_47
• Track 523 : CallinAllBarbz_48
• Track 524 : BaileyBlu_48
• Track 525 : LisoBros_46
• Track 526 : Jankie_48
• Track 527 : Elfy_51
• Track 528 : Ibantik_5
• Track 529 : Curiosium_43
• Track 530 : TingHuaYa_41
• Track 531 : LastHope_43
• Track 532 : Neighly_39
• Track 533 : Paola_38, Guillsminger_39
• Track 534 : Collard_38, Agent47_39
• Track 535 : Thyatira_40, Waterfoul_39, SoSeph_38, Heftyboy_38
• Track 536 : Psycho_39, Dadosky_39, AlleyCat_39, Larva_39
• Track 537 : Feyre_38, Miryou_40
• Track 538 : BananenDer11_39, DoubleChamp_38, LilDirt_38, InvictusManeo_38, ViviJ_38

• Track 539 : OkiRoe_38
• Track 540 : Gengar_38
• Track 541 : Omnicron_41
• Track 542 : Edugator_39
• Track 543 : Rando14_40
• Track 544 : Leston_38
• Track 545 : Kratio_37
• Track 546 : SlimJimmy_130, Diminimus_131, Izel_131, Bongo_130, FreakyGoo_131, Dulcita_131, Bricole_133, TyDawg_126, Skinny_137, Auspice_131, Glaske16_133, KleverKiS_134, PegLeg_134, IPhane7_129, LilhomieP_131, TpudiCK_132
• Track 547 : RoseMarie_140
• Track 548 : Reindeer_133
• Track 549 : GenevaB15_148, Aziz_145
• Track 550 : MrMagoo_148, GardenSalsa_146
• Track 551 : Estes_146
• Track 552 : Rey_148
• Track 553 : Nanosmite_142
• Track 554 : Tailonex_27
• Track 555 : Samy_94
• Track 556 : Kumao_96
• Track 557 : TinyDot_31
• Track 558 : Ponzi_7
• Track 559 : 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 177, it was called in 227 of the 801 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, Aldrich_39, 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, Blackflame_37, Blesser_37, 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_50, DD5_38, DarthPhader_36, Dexes_37, Dinger_29, Discoknowium_30, DontArgue_32, Doom_37, DrFeelGood_36, Dreamboat_38, DroogsArmy_34, Dublin_29, Dussy_38, DustyMartin_38, Eaglepride_35, Edison31_34, Edtherson_38, ElTiger69_31, Elfy_51, Espresso_37, Euphoria_37, Eyeball_37, Fajezeel_39, Fascinus_36, Fenn_38, FlyCatcher_36, ForGetIt_30, GMonster_36, Gachnar_39, GageAP_39, Gandalf20_38, George_29, Gompeii16_37, GrecoEtereo_39, Greg_39, GrimEater_47, GroundGoblin_39, HINdeR_33, HanShotFirst_36, HarryOW_37, Hermia_40, HermioneGrange_37, Hiro_29, ICleared_33, IUFootball_52, IgnatiusPatJac_36, Iter_51, JC27_38, Jabiru_31, Jankie_48, Jasper_38, Jerm2_38, Jorgensen_37, Jovo_30, JuliaChild_39, KBG_38, KSSJEB_37, KikiBouba_40, Kristoff_35, Kugel_38, KyMonks1A_40, Lamina13_37, Lego_49, Lesedi_36, Lev2_30,

Licorice_39, Liebe_51, LilBib_37, LisoBros_46, LittleCherry_30, LittleGuy_33, Lizalica_49, LochMonster_33, Lockley_38, Lopton_38, LunarLander_38, MaGuCo_47, Magnar_37, Makemake_38, Marcell_37, Marchy_32, Margo_34, Maroc7_37, Marsha_37, MaryBeth_37, Maureen_51, MetalQZJ_37, Micasa_30, Midas2_30, Milcery_30, MilleFeuille_36, Monet_39, Moose_37, MrGordo_37, Mryolo_35, Mundrea_33, Naira_38, Nhonho_37, Nitro_51, Niza_40, Noella_34, Norbert_33, Norz_39, Noxious_40, Nyxis_33, OKCentral2016_33, Ohno789_37, Oogway_36, PSullivan_36, PacerPaul_38, Panamaxus_33, Papez_39, Paraselene_36, Pari_38, Parliament_36, PascalRango_38, PattyP_39, Pelly_37, Perseus_39, Peterson_40, PetterN_32, PherrisBueller_38, Phlippers_35, Phlorence_30, Phontbonne_33, PinkPlastic_36, Pinto_39, Pippin_39, Pita2_39, Pocahontas_34, Popcicle_34, PowerRanger_38, Prinashe11_30, Puppet_37, QuinnKiro_33, RGL3_22, Rajelicia_37, Rebeuca_35, ResDef_34, RhynO_35, Rhynn_37, RidgeCB_37, Ringer_38, Rowdy_38, Rufus_39, Rutherferd_39, Sagefire_39, Scorpia_32, Seabiscuit_39, Seanderson_38, Shapes_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, Swole_39, SydNat_30, Tailonex_27, Takoda_29, Tarynearal_29, Theia_28, TheloniousMonk_39, ThursdayNight_53, Tiger_30, Timshel_34, Topgun_36, Toro_35, Traft412_39, Treddle_39, Trike_31, Tripl3t_38, Trouble_38, Twigg_30, 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, Amploria_49, Anglerfish_39, AngryOrchard_28, Anthony_33, AppleCloud_27, Arcanine_37, Asa16_48, Ashballer_39, Atkinbua_39, AvatarAhPeg_34, BK1_34, BaconJack_40, Barriga_37, BarrowTuph_36, Belenaria_29, Berrie_51, Bigchungi_37, Bircsak_37, Blue_37, Bluefalcon_29, Bob3_36, BobbyDazzler_29, Bonanza_29, Bradshaw_29, Briton15_39, Bruns_36, Bryce_29, Camperdownii_32, CartmannCramer_37, Cassia_48, CatBus_39, Ciao_37, Cindaradix_32, Coog_30, Corvo_38, CosmicSans_29, Crewmate_55, DirtDevil_39, DirtyDunning_33, DrManhattan_52, DrSierra_48, DreamCatcher_40, Dulcie_36, Dynamix_38, Elezi_48, Eraser_48, Espica_29, EtoileNova_34, Exile_44, Florence1_30, Florence4_31, Flutur_49, Forsytheast_37, Francis47_37, Froghopper_37, Ghoulboy_30, Gollum_29, Graduation_39, Gwendoluna_40, Harlequin_29, Hookmount_34, Hope4ever_37, HuhtaEnerson15_30, ILeeKay_39, Ichabod_38, Inyanga_35, Iqorha_35, Iracema64_34, IttyBittyPiggy_50, JackSparrow_38, Janeemi_52, Jester_29, Joemato_50, JohnDoe_50, Jstan_50, JuneStar_51, Kanely_38, Kaylissa_51, Kenmech_40, Killigrew_35, Kinmap_34, Koreni_32, Kratark_33, Kremtemulon_33, Krishelle_29, Kykar_36, Lambert1_34, Levia_34, Lillie_29, London_48, MPlant7149_37, Magnito_36, Manatee_38, Marco3_37, Marge_38, MarysWell_29, McGuire_38, McSinger_38, Michley_37, Miramae_33, MissSwiss_52, Mkhuseli_38, Molly_39, Mudpuppy_46, Museum_39, NEHalo_37, Naca_31, Naiad_29, Nancinator_29, Natosaleda_29, Nerujay_38, Niobe_48, ObiToo_54, PP_41, PandaPo_52, Paphu_36, Partridge_29, Payneful_37, Petp2012_39, Petruchio_38, PhailMary_28, Phighter1804_33, PhineBark_36, Phrankenstein_29, PhrostyMug_38, PickleBack_30, Powerpuff_52, ProMouse_37, Pumbaa_33, Pumpkins_48, QTRlifeCrisis_38, RER2_22, Raid_37, Rasputin_29, RegnumDei_42, RexFury_29, Rhodalysa_29, Rohr_38, Rosa24_32, Ruotula_37, STLscum_38, Sandaddy_37, Sanya_37, SarFire_37, Schaffner_49, Scowl_37, Shuman_29, Simpson_52, Skelbel_49, Soondubu_46, Sorpresa_37, SpikeBT_39, StCroix_29, Stink_34,

Subaru_48, Swann_29, TWAMP_29, Tallboi_49, Tasp14_38, Teodoridan_35, Texage_33, TforTroy_50, Thor_37, Tinybot_32, Todacoro_34, Turab_46, Turj99_36, Tutumahutu_51, TwoPeat_38, UhSalsa_29, UnionJack_31, 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:
• Aaronocolus_49, AbbeyMikolon_57, AbbysRanger_33, Achebe_32, Agent47_39, AgronaGT15_36, Albee_33, AlleyCat_39, Alsaber_52, Alvy_56, Amela_51, Amethyst_51, Amyev_51, Annyong_33, ArizonaGT_30, Ashes_43, Asten_50, Astro_30, Attoomi_51, Auspice_131, Avle17_33, AxeJC_29, Aziz_145, Azula_38, Baby16_33, BabyBack_34, Backyardigan_33, Badger_33, BananenDer11_39, Barnstormer_59, BarryBee_53, BartholomewSD_56, Bartimeaus_33, BeardedLady_49, Beaupre_42, Begonia_38, Bioscum_31, Blackmoor_33, Blino_41, Blueberry_37, Bombshell_33, Bongo_130, Bovely_49, Bowden_53, Brataylor_53, Bricole_133, Broseidon_33, Bruiser_32, BryanRecycles_50, BubbleTrouble_33, Buckaroo_32, Bumblebee11_33, Burger_32, BuzzBuzz_35, Bxz2_34, Caelakin_33, Caelum_54, Caitlin_30, Caliburn_48, Cappuccino_43, CarolAnn_40, Caron_62, Celery_54, Celeste_51, Celestialunch_32, Celia_50, Cen1621_56, CentreCat_33, Chaph_33, Charm_33, CheeseSpider_42, Chucky_50, Cici_33, Cintron_33, Citius_33, Clarenza_33, Cocoaberry_33, Collard_38, Community_53, Conan_52, Connomayer_33, Cumberbatch_30, Curiosium_43, CurlyFries_42, DaRealMyers_29, Dadosky_39, Daishi_35, Danforth_29, Danzina_52, Darolandstone_29, Dattran_52, Datway_33, Daudau_52, Deano_33, Dexers_50, Dhanush_33, Diminimus_131, Dixon_30, Donkey_43, DoubleChamp_38, Drake94_32, DreamTeam1_33, Druantia_33, Dubu_44, Dulcita_131, Dwayne_50, ELB20_52, Eapen_33, Eastland_29, Eddasa_50, Edugator_39, Ejemplo_49, Eklok_30, ElGato_52, Emaanora_53, EnochSoames_52, Erik_29, Eris_32, Eros_33, Esperer_49, Estes_146, Euratis_57, Expelliarmus_29, Fairfaxidum_39, FatCactus_32, Fenry_37, Feyre_38, Floof_64, Florean_33, Flux_33, Forester_56, FreakyGoo_131, Frokostdame_39, FrumpyGal_30, Funston_33, Gadost_33, Gambino_40, Gambol_44, GardenSalsa_146, GardenState_58, GenevaB15_148, Gengar_38, Giorgio_42, Glaske16_133, Goby_50, Godpower_51, Gretchen_58, Groundhog_29, Guillsminger_39, Gumpizza_42, HFrancette_30, Halsey_43, HamSlice_32, Happiness_33, HashRod_37, Heather_56, Heftyboy_38, Herbertwm_31, Hippo_50, Holli_33, Honk_61, Houdini22_33, Huxley_33, Hydra_50, IAmGroot_57, IPhane7_129, Ibantik_5, Iceman_34, Ididsumtinwong_31, Ignacio_30, Indigo_48, InvictusManeo_38, Issmi_53, Itza_50, Izel_131, Izzy_50, Jalammah_42, Jash_50, Jaykayelowell_33, JetBlade_33, Jevington_52, Jflix2_51, Jhitchelle_50, JoongJeon_33, JuJu_41, Junimo_32, KADY_37, KFPoly_33, Kaine_52, Kalimba_43, KappaFarmDelta_40, Katalie136_33, Katalie_50, KeAlii_47, KekoraPapaka_32, Kingmustik0402_33, KittenMittens_32, KleverKiS_134, Klodlith_34, Koan_33, Kratio_37, Kumao_96, Kyee_33, Lannister_51, LappelDuVide_33, LarryKay_36, Larva_39, LastHope_43, Legacy_48, Lemur_33, Leston_38, Leviticus_49, Lika_49, LilDirt_38, Lilbooboo_54, LilhomieP_131, LittleB_33, Loofah_55, Lorelei_51, Lorenzo_33, Louie6_36, Lunsford_34, Lysidious_38, Mabodamaca_60, Madraxi_55, Maja_29, Malachai_38, MalagasyRose_41, Maneekul_50, Marav_53, Maverick_33, Mayonnaise_33, Mazhar510_33, MeeZee_33, MegTheThird_33, Mellie_37, Methuselah_35, Michkear_54, Millski_32, Miryou_40, Misomonster_38, MissRona_38, Mojorita_30, Morpher26_33, Moss_43, MrMagoo_148, Murp_39, MyraDee_30, Mysterium_42, Nabi_51, Nanodon_51, Nanosmite_142, NearlyHeadless_30, Neighly_39, Nemo27_33, Nerdos_48, Nesbitt_55, Noelle_33, NorthStar_33, Northrop_33, NotAPhaseMom_33, OKaNui_34, OkiRoe_38, Oliynyk_50, Omar_55, Omnicron_41, Ozzie_48, OzzyJ_51, PCoral7_37, Pablito_52,

Paedore_54, Palestino_32, Paola_38, Paolo_54, PapayaSalad_30, Pavo_52, PeaceMeal1_32, Peaches_33, PegLeg_134, Pepe_33, Percival_59, Perplexer_33, PeterPeter_33, PetiteSangsue_33, Phacado_33, Phettuccine_49, Phillis_30, Phives_54, Phoxy_36, Picard_30, Piccadilly_29, Pipcraft_33, Pixelle_52, Ponzi_7, Poompha_32, PrincePatrick_38, Provolone_52, Psycho_39, Puginator_54, R4_53, REQ1_22, Raleigh_29, Rana_51, Rando14_40, RedBear_51, Reedo_49, Reindeer_133, Relief_33, RemusLoopin_55, Rey_148, Roary_30, RockScotty_42, RockieBear_33, Rocksand_33, Romney_33, Roosevelt_33, RoseMarie_140, Rowa_59, Ruin_33, Rummer_36, Rusticus_50, SFuller_50, SV1_27, Sabertooth_33, Sabourin_43, Saftant_50, Samba_38, Samora_58, Samy_94, SarahRose_50, Scamp_33, Schlegelian_31, Sebastisaurus_51, SenorClean_33, Severus_32, Shagrat_42, Shaka_33, Shawty_54, Shygu2_33, Skadoosh_33, Skinny_137, Skipitt_33, SlimJimmy_130, Smeadley_30, Snek_51, Snorlax_50, SoJo_29, SoSeph_38, Soilmate_42, Sooty_43, SororFago_38, Soshari_38, South40_50, SpecialK_43, Speedwell_55, Spike509_36, Spino_33, Stasia_34, SteMason_33, Stephig9_30, Stuu_43, SuMoo_64, Sudan_51, Sujidade_50, Sultana_33, SunkenRoot_51, SunsetPointe_48, SuperHands_58, TG1_51, TagePhighter_52, Taquarus_33, Tbone_50, Thanksgivukkah_33, Thestral_55, Thyatira_40, Tian_50, TinaBelcher_53, TingHuaYa_41, TinyDot_31, TinyPebbles_36, TiroTheta9_33, Toast_37, ToastyFinz_28, Toma_50, Topanga_34, Tote_34, TpudiCK_132, Triste_51, TrvxScott_52, TuanPN_49, Tubberson_29, Tuck_53, Tweety19_52, Twister_34, TyDawg_126, TygerBlood_33, Unstoppable_49, Urza_50, UtzChips_59, Utz_33, VResidence_50, Vanseggelen_57, Vash_53, Verabelle_54, Verse_51, VieEnRose_50, ViviJ_38, Vondra_28, WalterMcMickey_34, Wander_33, Waterfoul_39, Werner_50, Whatever_50, Wilbur_33, Wildwest_49, Wile_33, William_40, Wisp_34, Wizard007_33, Wocket_39, Xena_33, Yasdnil_50, YoSam321_33, Yosif_54, Zainub_54, ZamZam_52, Zemlya_51, Zeta1847_52, ZiggyZoo_38, phiBT1_int, phiCAM_49,

Summary by start number:

Start 23:
• Found in 1 of 859 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 100.0% of time when present
• Phage (with cluster) where this start called: SFuller_50 (CF),

Start 79:
• Found in 5 of 859 (0.6%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Gambino_40 (CV),

Start 82:
• Found in 4 of 859 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Nanodon_51 (BD1),

Start 93:
• Found in 11 of 859 (1.3%) of genes in pham
• Manual Annotations of this start: 2 of 801
• Called 18.2% of time when present

• Phage (with cluster) where this start called: McGuire_38 (A1), Puginator_54 (BD2),

Start 94:
• Found in 3 of 859 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Dubu_44 (BJ),

Start 95:
• Found in 8 of 859 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 12.5% of time when present
• Phage (with cluster) where this start called: PhrostyMug_38 (A1),

Start 96:
• Found in 34 of 859 (4.0%) of genes in pham
• Manual Annotations of this start: 7 of 801
• Called 20.6% 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 103:
• Found in 200 of 859 (23.3%) of genes in pham
• Manual Annotations of this start: 30 of 801
• Called 15.0% of time when present
• Phage (with cluster) where this start called: Anglerfish_39 (A1), Arcanine_37 (A1), Ashballer_39 (A1), BarrowTuph_36 (A1), Blue_37 (A1), Corvo_38 (A1), DreamCatcher_40 (A1), Dynamix_38 (A1), Forsytheast_37 (A1), Froghopper_37 (A1), Kenmech_40 (A1), Kykar_36 (A1), MPlant7149_37 (A1), Magnito_36 (A1), Marco3_37 (A1), Michley_37 (A1), Molly_39 (A1), Nerujay_38 (A1), Paphu_36 (A1), Petp2012_39 (A1), Petruchio_38 (A1), ProMouse_37 (A1), Raid_37 (A1), Rohr_38 (A1), Ruotula_37 (A1), Sorpresa_37 (A1), Thor_37 (A1), Turj99_36 (A1), TwoPeat_38 (A1), Watermelon_39 (A1),

Start 105:
• Found in 7 of 859 (0.8%) of genes in pham
• Manual Annotations of this start: 4 of 801
• Called 57.1% of time when present
• Phage (with cluster) where this start called: Celia_50 (BD6), Conan_52 (BD3), Jflix2_51 (CF), Yosif_54 (BD3),

Start 106:
• Found in 47 of 859 (5.5%) of genes in pham
• Manual Annotations of this start: 11 of 801
• Called 23.4% 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), Kremtemulon_33 (A4), Miramae_33 (A4), Phighter1804_33 (A4), Pumbaa_33 (A4), Reindeer_133 (M1), Stink_34 (A4),

Start 107:
• Found in 202 of 859 (23.5%) of genes in pham

• Manual Annotations of this start: 3 of 801
• Called 1.5% of time when present
• Phage (with cluster) where this start called: Bob3_36 (A1), Briton15_39 (A1), McSinger_38 (A1),

Start 109:
• Found in 3 of 859 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Shagrat_42 (CF),

Start 113:
• Found in 1 of 859 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Pablito_52 (BD2),

Start 114:
• Found in 3 of 859 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Provolone_52 (BD3),

Start 116:
• Found in 5 of 859 (0.6%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Forester_56 (EH),

Start 117:
• Found in 214 of 859 (24.9%) of genes in pham
• Manual Annotations of this start: 12 of 801
• Called 5.6% of time when present
• Phage (with cluster) where this start called: Abbyshoes_39 (A1), BaconJack_40 (A1), Bircsak_37 (A1), Heather_56 (BB2), Hope4ever_37 (A1), JackSparrow_38 (A1), Marge_38 (A1), NEHalo_37 (A1), RemusLoopin_55 (BB2), Scowl_37 (A1), Sebastisaurus_51 (BB2), Tasp14_38 (A1),

Start 118:
• Found in 18 of 859 (2.1%) of genes in pham
• Manual Annotations of this start: 3 of 801
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Jevington_52 (BD2), Marav_53 (BD2), Paolo_54 (BD2),

Start 119:
• Found in 202 of 859 (23.5%) of genes in pham
• Manual Annotations of this start: 11 of 801
• Called 6.9% of time when present
• Phage (with cluster) where this start called: A6_34 (A1), Atkinbua_39 (A1), BK1_34 (A1), Gwendoluna_40 (A1), ILeeKay_39 (A1), Ichabod_38 (A1), Levia_34 (A1), Manatee_38 (A1), Mkhuseli_38 (A1), Payneful_37 (A1), STLscum_38 (A1), Sandaddy_37 (A1), Sanya_37 (A1), Teodoridan_35 (A1),

Start 124:
• Found in 4 of 859 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Euratis_57 (BB1),

Start 125:
• Found in 3 of 859 (0.3%) of genes in pham
• Manual Annotations of this start: 2 of 801
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Floof_64 (EH), Mabodamaca_60 (EH),

Start 126:
• Found in 208 of 859 (24.2%) of genes in pham
• Manual Annotations of this start: 4 of 801
• Called 1.9% of time when present
• Phage (with cluster) where this start called: Reedo_49 (AZ1), SarFire_37 (A1), Snek_51 (AZ3), Tweety19_52 (AZ3),

Start 131:
• Found in 22 of 859 (2.6%) of genes in pham
• Manual Annotations of this start: 4 of 801
• Called 18.2% of time when present
• Phage (with cluster) where this start called: AFIS_37 (A1), Graduation_39 (A1), SpikeBT_39 (A1), TG1_51 (BB1),

Start 132:
• Found in 3 of 859 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Zeta1847_52 (EH),

Start 133:
• Found in 27 of 859 (3.1%) of genes in pham
• Manual Annotations of this start: 21 of 801
• Called 88.9% of time when present
• Phage (with cluster) where this start called: Auspice_131 (M1), Aziz_145 (M2), Bongo_130 (M1), Bricole_133 (M1), Diminimus_131 (M1), Dulcita_131 (M1), Estes_146 (M2), FreakyGoo_131 (M1), GardenSalsa_146 (M2), GenevaB15_148 (M2), Glaske16_133 (M1), IPhane7_129 (M1), Izel_131 (M1), KleverKiS_134 (M1), LilhomieP_131 (M1), MrMagoo_148 (M2), Nanosmite_142 (M3), PegLeg_134 (M1), Rey_148 (M2), RoseMarie_140 (M1), Skinny_137 (M1), SlimJimmy_130 (M1), TpudiCK_132 (M1), TyDawg_126 (M1),

Start 134:
• Found in 32 of 859 (3.7%) of genes in pham
• Manual Annotations of this start: 6 of 801
• Called 18.8% of time when present
• Phage (with cluster) where this start called: Asten_50 (BD1), Ejemplo_49 (BD1), Maneekul_50 (BD1), RedBear_51 (BD1), Toast_37 (CV), TuanPN_49 (BD1),

Start 136:

• Found in 122 of 859 (14.2%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 0.8% of time when present
• Phage (with cluster) where this start called: Flux_33 (A4),

Start 139:
• Found in 3 of 859 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Rowa_59 (BL),

Start 140:
• Found in 6 of 859 (0.7%) of genes in pham
• Manual Annotations of this start: 2 of 801
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Cen1621_56 (EH), Samy_94 (singleton),

Start 142:
• Found in 65 of 859 (7.6%) of genes in pham
• Manual Annotations of this start: 24 of 801
• Called 38.5% of time when present
• Phage (with cluster) where this start called: BarryBee_53 (BD1), Brataylor_53 (BD1), Chucky_50 (BD1), Dwayne_50 (BD1), Emaanora_53 (BD1), Goby_50 (BD1), Godpower_51 (BD1), Hippo_50 (BD1), Kaine_52 (BD3), 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), ZamZam_52 (BD3),

Start 144:
• Found in 1 of 859 (0.1%) 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 (AZ7),

Start 145:
• Found in 36 of 859 (4.2%) of genes in pham
• Manual Annotations of this start: 32 of 801
• Called 91.7% 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), 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), UhSalsa_29 (CA), Yogi_29 (CA), Yoncess_29 (CA),

Start 146:
• Found in 5 of 859 (0.6%) of genes in pham
• Manual Annotations of this start: 3 of 801
• Called 60.0% of time when present

• Phage (with cluster) where this start called: AbbeyMikolon_57 (BL), Nesbitt_55 (BL), Shawty_54 (BB1),

Start 149:
• Found in 30 of 859 (3.5%) of genes in pham
• Manual Annotations of this start: 5 of 801
• Called 16.7% of time when present
• Phage (with cluster) where this start called: Bowden_53 (BD2), Caelum_54 (BD2), Omar_55 (BD2), TinaBelcher_53 (BD2), Zainub_54 (BD2),

Start 150:
• Found in 1 of 859 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Honk_61 (EH),

Start 152:
• Found in 64 of 859 (7.5%) of genes in pham
• Manual Annotations of this start: 3 of 801
• Called 4.7% of time when present
• Phage (with cluster) where this start called: Hookmount_34 (A3), Lambert1_34 (A3), PP_41 (A7),

Start 153:
• Found in 1 of 859 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 100.0% of time when present
• Phage (with cluster) where this start called: VResidence_50 (AZ1),

Start 154:
• Found in 25 of 859 (2.9%) of genes in pham
• Manual Annotations of this start: 5 of 801
• Called 20.0% of time when present
• Phage (with cluster) where this start called: Cindaradix_32 (A4), Kinmap_34 (A21), Topanga_34 (A10), Twister_34 (A10), WalterMcMickey_34 (A10),

Start 156:
• Found in 5 of 859 (0.6%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Community_53 (AZ1), Tuck_53 (AZ1),

Start 157:
• Found in 25 of 859 (2.9%) of genes in pham
• Manual Annotations of this start: 10 of 801
• Called 40.0% of time when present
• Phage (with cluster) where this start called: Alvy_56 (BD2), Amethyst_51 (BD2), BartholomewSD_56 (BD2), Daudau_52 (BD2), Issmi_53 (BD2), Loofah_55 (BD2), Paedore_54 (BD2), R4_53 (BD2), Thestral_55 (BD2), TrvxScott_52 (BD2),

Start 158:
• Found in 9 of 859 (1.0%) of genes in pham
• Manual Annotations of this start: 3 of 801

• Called 44.4% of time when present
• Phage (with cluster) where this start called: KittenMittens_32 (A10), Michkear_54 (AZ), PeaceMeal1_32 (A10), Poompha_32 (A10),

Start 159:
• Found in 2 of 859 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 801
• Called 100.0% of time when present
• Phage (with cluster) where this start called: GardenState_58 (EH), IAmGroot_57 (EH),

Start 161:
• Found in 8 of 859 (0.9%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 37.5% of time when present
• Phage (with cluster) where this start called: Frokostdame_39 (CV), Verabelle_54 (BD3), phiCAM_49 (BD3),

Start 162:
• Found in 114 of 859 (13.3%) of genes in pham
• Manual Annotations of this start: 16 of 801
• Called 14.9% of time when present
• Phage (with cluster) where this start called: Backyardigan_33 (A4), Bombshell_33 (A4), Burger_32 (A4), Caelakin_33 (A4), Datway_33 (A4), Eros_33 (A4), HamSlice_32 (A4), Holli_33 (A4), Madraxi_55 (CF), Maverick_33 (A4), Peaches_33 (A4), Perplexer_33 (A4), Pipcraft_33 (A4), REQ1_22 (CF), Romney_33 (A4), Shaka_33 (A4), Wilbur_33 (A4),

Start 163:
• Found in 4 of 859 (0.5%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Ponzi_7 (singleton),

Start 164:
• Found in 9 of 859 (1.0%) of genes in pham
• Manual Annotations of this start: 4 of 801
• Called 44.4% of time when present
• Phage (with cluster) where this start called: KeAlii_47 (AZ1), Phives_54 (AZ1), Tbone_50 (AZ1), Wildwest_49 (AZ1),

Start 165:
• Found in 45 of 859 (5.2%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 4.4% of time when present
• Phage (with cluster) where this start called: PandaPo_52 (AZ1), Speedwell_55 (BD3),

Start 166:
• Found in 14 of 859 (1.6%) of genes in pham
• Manual Annotations of this start: 7 of 801
• Called 50.0% of time when present

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

Start 168:
• Found in 4 of 859 (0.5%) of genes in pham
• No Manual Annotations of this start.
• Called 25.0% of time when present
• Phage (with cluster) where this start called: MegTheThird_33 (A9),

Start 169:
• Found in 2 of 859 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Kumao_96 (singleton),

Start 170:
• Found in 40 of 859 (4.7%) of genes in pham
• Manual Annotations of this start: 33 of 801
• Called 97.5% of time when present
• Phage (with cluster) where this start called: AEgle_46 (AZ1), AGrandiflora_52 (AZ1), Adolin_53 (AZ1), Adumb2043_47 (AZ1), Amploria_49 (AZ1), Asa16_48 (AZ1), Berrie_51 (AZ1), Cassia_48 (AZ1), Crewmate_55 (AZ1), DrManhattan_52 (AZ1), DrSierra_48 (AZ1), Elezi_48 (AZ1), Eraser_48 (AZ1), Flutur_49 (AZ), IttyBittyPiggy_50 (AZ1), Janeemi_52 (AZ1), Joemato_50 (AZ1), JohnDoe_50 (AZ1), Jstan_50 (AZ1), JuneStar_51 (AZ1), Kaylissa_51 (AZ1), London_48 (AZ1), MissSwiss_52 (AZ1), Mudpuppy_46 (AZ1), Niobe_48 (AZ1), ObiToo_54 (AZ1), Powerpuff_52 (AZ1), Pumpkins_48 (AZ1), Schaffner_49 (AZ1), Simpson_52 (AZ1), Skelbel_49 (AZ1), Subaru_48 (AZ1), Tallboi_49 (AZ1), TforTroy_50 (AZ1), Turab_46 (AZ1), Tutumahutu_51 (AZ1), Warda_50 (AZ1), Yang_49 (AZ1), YesChef_50 (AZ1),

Start 171:
• Found in 137 of 859 (15.9%) of genes in pham
• Manual Annotations of this start: 113 of 801
• Called 87.6% 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), Buckaroo_32 (A4), Bumblebee11_33 (A4), BuzzBuzz_35 (A3), Bxz2_34 (A3), Caitlin_30 (A8), CentreCat_33 (A4), Chaph_33 (A4), Cici_33 (A4), Cintron_33 (A4), Citius_33 (A4), Clarenza_33 (A4), Cocoaberry_33 (A4), Connomayer_33 (A4), Curiosium_43 (K1), 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), FatCactus_32 (A20), Florean_33 (A4), Funston_33 (A4), Gadost_33 (A4), Groundhog_29 (A8), Happiness_33 (A4), HashRod_37 (A3), Herbertwm_31 (A2), Houdini22_33 (A4), Huxley_33 (A4), Iceman_34 (A4), Jaykayelowell_33 (A4), JetBlade_33 (A4), JoongJeon_33 (A4), Junimo_32 (A4), KADY_37 (A3), KFPoly_33 (A4), Katalie136_33 (A4), KekoraPapaka_32 (A4), Kingmustik0402_33 (A4), Koan_33 (A4), Kyee_33 (A4), LappelDuVide_33 (A4), LarryKay_36 (A3), Lemur_33 (A4), LittleB_33 (A4), Lorenzo_33 (A4), Louie6_36 (A3), Lunsford_34 (A4), Mayonnaise_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), Northrop_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), RockieBear_33 (A4), Rocksand_33 (A4), Roosevelt_33 (A4), Ruin_33 (A4), Rummer_36 (A3), Sabertooth_33 (A4), Scamp_33 (A4), SenorClean_33 (A4), Shygu2_33 (A4), Skadoosh_33 (A4), Skipitt_33 (A4), Smeadley_30 (A8), SororFago_38 (A14), Soshari_38 (A3), Spike509_36 (A3), Spino_33 (A4), Stasia_34 (A4), SteMason_33 (A4), Stephig9_30 (A8), Sultana_33 (A4), Taquarus_33 (A4), Thanksgivukkah_33 (A4), TingHuaYa_41 (K1), TinyPebbles_36 (A3), TiroTheta9_33 (A4), TygerBlood_33 (A4), Wander_33 (A4), Wile_33 (A4), Wizard007_33 (A4), Xena_33 (A4), YoSam321_33 (A4),

Start 172:
• Found in 52 of 859 (6.1%) of genes in pham
• Manual Annotations of this start: 26 of 801
• Called 55.8% of time when present
• Phage (with cluster) where this start called: Alsaber_52 (BD3), Amela_51 (BD3), Amyev_51 (AZ1), Ashes_43 (AZ5), Beaupre_42 (AZ5), Cappuccino_43 (AZ5), CarolAnn_40 (CV), Celery_54 (BD3), Dexers_50 (BD3), Donkey_43 (AZ5), Gambol_44 (AZ5), Giorgio_42 (AZ5), Gumpizza_42 (AZ5), Halsey_43 (AZ5), Kalimba_43 (AZ5), Moss_43 (AZ5), Mysterium_42 (AZ5), OkiRoe_38 (K5), Pixelle_52 (AZ1), RockScotty_42 (AZ5), Sabourin_43 (AZ5), Soilmate_42 (CV), Sooty_43 (AZ5), SpecialK_43 (AZ5), Stuu_43 (AZ5), Sudan_51 (BD3), SunkenRoot_51 (BD3), Tian_50 (AZ1), Verse_51 (BD3),

Start 173:
• Found in 6 of 859 (0.7%) of genes in pham
• Manual Annotations of this start: 2 of 801
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Exile_44 (AZ6), Saftant_50 (BD3), Soondubu_46 (AZ6),

Start 174:
• Found in 6 of 859 (0.7%) of genes in pham
• Manual Annotations of this start: 3 of 801
• Called 50.0% of time when present
• Phage (with cluster) where this start called: BabyBack_34 (A2), Drake94_32 (A10), Severus_32 (A10),

Start 175:
• Found in 2 of 859 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 801
• Called 100.0% of time when present
• Phage (with cluster) where this start called: CurlyFries_42 (CF), Pavo_52 (BD3),

Start 176:
• Found in 31 of 859 (3.6%) of genes in pham
• Manual Annotations of this start: 14 of 801
• Called 48.4% of time when present
• Phage (with cluster) where this start called: Barnstormer_59 (EH), Bovely_49 (BD1), Caron_62 (EH), Charm_33 (A9), DreamTeam1_33 (A9), EnochSoames_52 (BD1), Gretchen_58 (EH), Hydra_50 (BD1), Indigo_48 (BD1), Leviticus_49 (BD1), Ozzie_48 (BD1), Percival_59 (EH), SuMoo_64 (EH), SuperHands_58 (EH), UtzChips_59 (EH),

Start 177:
• Found in 428 of 859 (49.8%) of genes in pham
• Manual Annotations of this start: 227 of 801
• Called 55.6% 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), Aldrich_39 (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), Blackflame_37 (A1), Blesser_37 (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 (A22), Chupacabra_33 (A10), ConceptII_39 (A1), Conspiracy_30 (A5), Crispicous1_36 (A1), Cuco_30 (A5), Cueylyss_37 (A1), Cyan_50 (AZ1), DD5_38 (A1), DarthPhader_36 (A12), Dexes_37 (A1), Dinger_29 (CA), Discoknowium_30 (A5), DontArgue_32 (A10), Doom_37 (A1), DrFeelGood_36 (A1), Dreamboat_38 (A1), DroogsArmy_34 (A7), Dublin_29 (A5), Dussy_38 (A1), DustyMartin_38 (A10), Eaglepride_35 (A10), Edison31_34 (A10), Edtherson_38 (A1), ElTiger69_31 (A5), Elfy_51 (FP), Espresso_37 (A1), Euphoria_37 (A1), Eyeball_37 (A1), Fajezeel_39 (A1), Fascinus_36 (A1), Fenn_38 (A1), FlyCatcher_36 (A7), ForGetIt_30 (A5), GMonster_36 (A1), Gachnar_39 (A1), GageAP_39 (A1), Gandalf20_38 (A1), George_29 (A5), Gompeii16_37 (A1), GrecoEtereo_39 (A1), Greg_39 (A1), GrimEater_47 (FP), GroundGoblin_39 (A1), HINdeR_33 (A7), HanShotFirst_36 (A1), HarryOW_37 (A1), Hermia_40 (A1), HermioneGrange_37 (A1), Hiro_29 (CA), ICleared_33 (A4), IUFootball_52 (AZ2), IgnatiusPatJac_36 (A1), Iter_51 (AZ1), JC27_38 (A1), Jabiru_31 (A5), Jankie_48 (FP), Jasper_38 (A1), Jerm2_38 (A1), Jorgensen_37 (A1), Jovo_30 (A5), JuliaChild_39 (A1), KBG_38 (A1), KSSJEB_37 (A1), KikiBouba_40 (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), LilBib_37 (A1), LisoBros_46 (FP), LittleCherry_30 (A5), LittleGuy_33 (A4), Lizalica_49 (AZ1), LochMonster_33 (A4), Lockley_38 (A1), Lopton_38 (A1), LunarLander_38 (A1), MaGuCo_47 (AZ2), Magnar_37 (A1), Makemake_38 (A1), Marcell_37 (A1), Marchy_32 (A1), Margo_34 (A3), Maroc7_37 (A1), Marsha_37 (A1), MaryBeth_37 (A1), Maureen_51 (AZ2), MetalQZJ_37 (A1), Micasa_30 (A5), Midas2_30 (A5), Milcery_30 (A5), MilleFeuille_36 (A1), 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), Noxious_40 (A1), Nyxis_33 (A4), OKCentral2016_33 (A10), Ohno789_37 (A1), Oogway_36 (A1), PSullivan_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), Pelly_37 (A1), Perseus_39 (A1), Peterson_40 (A1), PetterN_32 (A5), PherrisBueller_38 (A1), Phlippers_35 (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), PowerRanger_38 (A1), Prinashe11_30 (A5), Puppet_37 (A1), QuinnKiro_33 (A3), RGL3_22 (CA), Rajelicia_37 (A1), Rebeuca_35 (A10), ResDef_34 (A3), RhynO_35 (A10), Rhynn_37 (A1), RidgeCB_37 (A1), Ringer_38 (A1), Rowdy_38 (A10), Rufus_39 (A1), Rutherferd_39 (A1), Sagefire_39 (A1), Scorpia_32 (A5), Seabiscuit_39 (A1), Seanderson_38 (A1), Shapes_38 (A10), 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), Swole_39 (A1), SydNat_30 (A5), Tailonex_27 (singleton), Takoda_29 (CA), Tarynearal_29 (A5), Theia_28 (A5), TheloniousMonk_39 (A1), ThursdayNight_53 (AZ), Tiger_30 (A5), Timshel_34 (A7), Topgun_36 (A1), Toro_35 (A7), Traft412_39 (A1), Treddle_39 (A1), Trike_31 (A10), Tripl3t_38 (A1), Trouble_38 (A1), Twigg_30 (A5), 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 178:
• Found in 3 of 859 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Celestialunch_32 (A9),

Start 179:
• Found in 50 of 859 (5.8%) of genes in pham
• Manual Annotations of this start: 38 of 801
• Called 76.0% of time when present
• Phage (with cluster) where this start called: Azula_38 (CV), Begonia_38 (CV), Blino_41 (CV), Blueberry_37 (CV), CheeseSpider_42 (CV), Fairfaxidum_39 (CV), Fenry_37 (CV), Feyre_38 (K5), Gengar_38 (K5), Guillsminger_39 (K5), Heftyboy_38 (K5), Jalammah_42 (CV), JuJu_41 (CV), KappaFarmDelta_40 (CV), Leston_38 (K5), Lysidious_38 (CV), Malachai_38 (CV), MalagasyRose_41 (AG), Mellie_37 (CV), Miryou_40 (K5), MissRona_38 (CV), Murp_39 (CV), Omnicron_41 (K5), PCoral7_37 (CV), Paola_38 (K5), PrincePatrick_38 (CV), Rando14_40 (K5), RegnumDei_42 (CF), Samba_38 (CV), SoSeph_38 (K5), Thyatira_40 (K5), TinyDot_31 (singleton), Utz_33 (CV), Waterfoul_39 (K5), William_40 (CV), Wisp_34 (CV), Wocket_39 (CV), ZiggyZoo_38 (CV),

Start 180:
• Found in 1 of 859 (0.1%) of genes in pham
• No Manual Annotations of this start.
• Called 100.0% of time when present
• Phage (with cluster) where this start called: phiBT1_int (BB1),

Start 181:
• Found in 65 of 859 (7.6%) of genes in pham
• Manual Annotations of this start: 3 of 801
• Called 6.2% of time when present
• Phage (with cluster) where this start called: EtoileNova_34 (A3), Texage_33 (A3), Todacoro_34 (A3), Veracruz_33 (A3),

Start 183:
• Found in 66 of 859 (7.7%) of genes in pham
• Manual Annotations of this start: 17 of 801
• Called 25.8% of time when present
• Phage (with cluster) where this start called: Anthony_33 (A20), BeardedLady_49 (BD1), BryanRecycles_50 (BD1), Caliburn_48 (BD1), Eddasa_50 (BD1), Esperer_49 (BD1), Izzy_50 (BD1), Jash_50 (BD1), LastHope_43 (K1), Legacy_48 (BD1), Museum_39 (A1), Nerdos_48 (BD1), Oliynyk_50 (BD1), Phettuccine_49 (BD1), Rusticus_50 (BD1), SunsetPointe_48 (BD1), Unstoppable_49 (BD1),

Start 184:
• Found in 16 of 859 (1.9%) of genes in pham

• Manual Annotations of this start: 3 of 801
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Itza_50 (BD6), Klodlith_34 (A9), Urza_50 (BD6), VieEnRose_50 (BD6),

Start 186:
• Found in 129 of 859 (15.0%) of genes in pham
• Manual Annotations of this start: 10 of 801
• Called 11.6% of time when present
• Phage (with cluster) where this start called: Barriga_37 (A1), Bigchungi_37 (A1), Bruns_36 (A1), CartmannCramer_37 (A1), CatBus_39 (A1), Ciao_37 (A1), DirtDevil_39 (A1), Francis47_37 (A1), Inyanga_35 (A1), Iqorha_35 (A1), Kanely_38 (A1), Killigrew_35 (A1), PhineBark_36 (A1), QTRlifeCrisis_38 (A1), Zeeculate_37 (A1),

Start 189:
• Found in 39 of 859 (4.5%) of genes in pham
• Manual Annotations of this start: 3 of 801
• Called 7.7% of time when present
• Phage (with cluster) where this start called: Camperdownii_32 (A4), Iracema64_34 (A4), Tinybot_32 (A4),

Start 191:
• Found in 4 of 859 (0.5%) of genes in pham
• Manual Annotations of this start: 3 of 801
• Called 75.0% of time when present
• Phage (with cluster) where this start called: Lilbooboo_54 (BB1), Samora_58 (BB1), Vash_53 (BB1),

Start 192:
• Found in 48 of 859 (5.6%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 2.1% of time when present
• Phage (with cluster) where this start called: Bluefalcon_29 (A5),

Start 193:
• Found in 44 of 859 (5.1%) of genes in pham
• Manual Annotations of this start: 3 of 801
• Called 6.8% of time when present
• Phage (with cluster) where this start called: Coog_30 (A5), Naca_31 (A5), UnionJack_31 (A5),

Start 205:
• Found in 12 of 859 (1.4%) of genes in pham
• Manual Annotations of this start: 12 of 801
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Bioscum_31 (BC3), DaRealMyers_29 (BC1), Darolandstone_29 (BC2), Ididsumtinwong_31 (BC3), Mojorita_30 (BC1), PapayaSalad_30 (BC3), Picard_30 (BC1), Raleigh_29 (BC2), SV1_27 (BC1), SoJo_29 (BC1), ToastyFinz_28 (BC1), Tubberson_29 (BC1),

Start 206:
• Found in 72 of 859 (8.4%) of genes in pham

• Manual Annotations of this start: 9 of 801
• Called 18.1% of time when present
• Phage (with cluster) where this start called: BananenDer11_39 (K5), DoubleChamp_38 (K5), Edugator_39 (K5), Florence1_30 (A5), Florence4_31 (A5), Ghoulboy_30 (A5), HuhtaEnerson15_30 (A5), InvictusManeo_38 (K5), LilDirt_38 (K5), MarysWell_29 (A5), Neighly_39 (K3), PickleBack_30 (A5), ViviJ_38 (K5),

Start 207:
• Found in 2 of 859 (0.2%) of genes in pham
• Manual Annotations of this start: 2 of 801
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ElGato_52 (BD3), Jhitchelle_50 (BD3),

Start 212:
• Found in 5 of 859 (0.6%) of genes in pham
• Manual Annotations of this start: 5 of 801
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ArizonaGT_30 (BP), Cumberbatch_30 (BP), HFrancette_30 (BP), Schlegelian_31 (BP), Vondra_28 (BP),

Start 214:
• Found in 23 of 859 (2.7%) of genes in pham
• No Manual Annotations of this start.
• Called 4.3% of time when present
• Phage (with cluster) where this start called: Rosa24_32 (A4),

Start 221:
• Found in 14 of 859 (1.6%) of genes in pham
• Manual Annotations of this start: 6 of 801
• Called 42.9% of time when present
• Phage (with cluster) where this start called: AxeJC_29 (BP), Eastland_29 (BP), Eklok_30 (BP), FrumpyGal_30 (BP), Ignacio_30 (BP), Piccadilly_29 (BP),

Start 225:
• Found in 1 of 859 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Maja_29 (FO),

Start 226:
• Found in 9 of 859 (1.0%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 11.1% of time when present
• Phage (with cluster) where this start called: ELB20_52 (BD2),

Start 232:
• Found in 24 of 859 (2.8%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 4.2% of time when present
• Phage (with cluster) where this start called: Aaronocolus_49 (BD1),

Start 241:
• Found in 189 of 859 (22.0%) of genes in pham

• Manual Annotations of this start: 1 of 801
• Called 0.5% of time when present
• Phage (with cluster) where this start called: Erik_29 (CA),

Start 259:
• Found in 20 of 859 (2.3%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 5.0% of time when present
• Phage (with cluster) where this start called: Attoomi_51 (singleton),

Start 295:
• Found in 223 of 859 (26.0%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 0.4% of time when present
• Phage (with cluster) where this start called: Pepe_33 (A1),

Start 297:
• Found in 321 of 859 (37.4%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 0.3% of time when present
• Phage (with cluster) where this start called: Dulcie_36 (A1),

Start 314:
• Found in 2 of 859 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 50.0% of time when present
• Phage (with cluster) where this start called: Ibantik_5 (JN),

Start 360:
• Found in 260 of 859 (30.3%) of genes in pham
• Manual Annotations of this start: 1 of 801
• Called 0.4% of time when present
• Phage (with cluster) where this start called: Tote_34 (A1),

Summary by clusters:

There are 49 clusters represented in this pham: FP, singleton, M3, BL, BC2, BJ, K3, JN, BC3, M1, K5, M2, FO, A14, A10, A12, A18, A1, A3, A2, BD1, A4, BD3, BD2, A9, A5, BB2, BB1, EH, AG, CA, CF, BP, A8, AZ, CV, A7, A20, A21, A22, K1, BC1, BD6, AZ1, AZ2, AZ3, AZ5, AZ6, AZ7,

Info for manual annotations of cluster A1:
•Start number 93 was manually annotated 1 time for cluster A1.
•Start number 95 was manually annotated 1 time for cluster A1.
•Start number 103 was manually annotated 30 times for cluster A1.
•Start number 107 was manually annotated 3 times for cluster A1.
•Start number 117 was manually annotated 9 times for cluster A1.
•Start number 119 was manually annotated 11 times for cluster A1.
•Start number 126 was manually annotated 1 time for cluster A1.
•Start number 131 was manually annotated 3 times for cluster A1.
•Start number 177 was manually annotated 143 times for cluster A1.
•Start number 183 was manually annotated 1 time for cluster A1.
•Start number 186 was manually annotated 10 times for cluster A1.

•Start number 295 was manually annotated 1 time for cluster A1.
•Start number 297 was manually annotated 1 time for cluster A1.
•Start number 360 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A10:
•Start number 154 was manually annotated 3 times for cluster A10.
•Start number 158 was manually annotated 3 times for cluster A10.
•Start number 174 was manually annotated 2 times for cluster A10.
•Start number 177 was manually annotated 8 times for cluster A10.

Info for manual annotations of cluster A12:
•Start number 177 was manually annotated 1 time for cluster A12.

Info for manual annotations of cluster A14:
•Start number 171 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A18:
•Start number 171 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A2:
•Start number 171 was manually annotated 1 time for cluster A2.
•Start number 174 was manually annotated 1 time for cluster A2.

Info for manual annotations of cluster A20:
•Start number 171 was manually annotated 1 time for cluster A20.
•Start number 183 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A21:
•Start number 154 was manually annotated 1 time for cluster A21.

Info for manual annotations of cluster A22:
•Start number 177 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:
•Start number 152 was manually annotated 2 times for cluster A3.
•Start number 171 was manually annotated 15 times for cluster A3.
•Start number 177 was manually annotated 9 times for cluster A3.
•Start number 181 was manually annotated 3 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 106 was manually annotated 10 times for cluster A4.
•Start number 136 was manually annotated 1 time for cluster A4.
•Start number 154 was manually annotated 1 time for cluster A4.
•Start number 162 was manually annotated 15 times for cluster A4.
•Start number 171 was manually annotated 82 times for cluster A4.
•Start number 177 was manually annotated 8 times for cluster A4.
•Start number 189 was manually annotated 3 times for cluster A4.

Info for manual annotations of cluster A5:
•Start number 177 was manually annotated 32 times for cluster A5.
•Start number 192 was manually annotated 1 time for cluster A5.
•Start number 193 was manually annotated 3 times for cluster A5.
•Start number 206 was manually annotated 4 times for cluster A5.

Info for manual annotations of cluster A7:
•Start number 152 was manually annotated 1 time for cluster A7.
•Start number 177 was manually annotated 4 times for cluster A7.

Info for manual annotations of cluster A8:
•Start number 171 was manually annotated 11 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 176 was manually annotated 2 times for cluster A9.
•Start number 177 was manually annotated 1 time for cluster A9.
•Start number 178 was manually annotated 1 time for cluster A9.

Info for manual annotations of cluster AG:
•Start number 179 was manually annotated 1 time for cluster AG.

Info for manual annotations of cluster AZ:
•Start number 177 was manually annotated 1 time for cluster AZ.

Info for manual annotations of cluster AZ1:
•Start number 126 was manually annotated 1 time for cluster AZ1.
•Start number 153 was manually annotated 1 time for cluster AZ1.
•Start number 156 was manually annotated 1 time for cluster AZ1.
•Start number 164 was manually annotated 4 times for cluster AZ1.
•Start number 170 was manually annotated 33 times for cluster AZ1.
•Start number 172 was manually annotated 2 times for cluster AZ1.
•Start number 177 was manually annotated 6 times for cluster AZ1.

Info for manual annotations of cluster AZ2:
•Start number 177 was manually annotated 4 times for cluster AZ2.

Info for manual annotations of cluster AZ3:
•Start number 126 was manually annotated 2 times for cluster AZ3.

Info for manual annotations of cluster AZ5:
•Start number 172 was manually annotated 16 times for cluster AZ5.

Info for manual annotations of cluster AZ6:
•Start number 173 was manually annotated 1 time for cluster AZ6.

Info for manual annotations of cluster BB1:
•Start number 124 was manually annotated 1 time for cluster BB1.
•Start number 131 was manually annotated 1 time for cluster BB1.
•Start number 146 was manually annotated 1 time for cluster BB1.
•Start number 191 was manually annotated 3 times for cluster BB1.

Info for manual annotations of cluster BB2:
•Start number 117 was manually annotated 3 times for cluster BB2.

Info for manual annotations of cluster BC1:
•Start number 205 was manually annotated 7 times for cluster BC1.

Info for manual annotations of cluster BC2:
•Start number 205 was manually annotated 2 times for cluster BC2.

Info for manual annotations of cluster BC3:
•Start number 205 was manually annotated 3 times for cluster BC3.

Info for manual annotations of cluster BD1:
•Start number 82 was manually annotated 1 time for cluster BD1.
•Start number 96 was manually annotated 7 times for cluster BD1.
•Start number 134 was manually annotated 5 times for cluster BD1.
•Start number 142 was manually annotated 22 times for cluster BD1.
•Start number 176 was manually annotated 5 times for cluster BD1.
•Start number 183 was manually annotated 14 times for cluster BD1.
•Start number 232 was manually annotated 1 time for cluster BD1.

Info for manual annotations of cluster BD2:
•Start number 93 was manually annotated 1 time for cluster BD2.
•Start number 113 was manually annotated 1 time for cluster BD2.
•Start number 118 was manually annotated 3 times for cluster BD2.
•Start number 149 was manually annotated 5 times for cluster BD2.
•Start number 157 was manually annotated 10 times for cluster BD2.
•Start number 226 was manually annotated 1 time for cluster BD2.

Info for manual annotations of cluster BD3:
•Start number 105 was manually annotated 2 times for cluster BD3.
•Start number 114 was manually annotated 1 time for cluster BD3.
•Start number 142 was manually annotated 2 times for cluster BD3.
•Start number 165 was manually annotated 1 time for cluster BD3.
•Start number 172 was manually annotated 6 times for cluster BD3.
•Start number 173 was manually annotated 1 time for cluster BD3.
•Start number 175 was manually annotated 1 time for cluster BD3.
•Start number 207 was manually annotated 2 times for cluster BD3.

Info for manual annotations of cluster BD6:
•Start number 105 was manually annotated 1 time for cluster BD6.
•Start number 184 was manually annotated 3 times for cluster BD6.

Info for manual annotations of cluster BJ:
•Start number 94 was manually annotated 1 time for cluster BJ.

Info for manual annotations of cluster BL:
•Start number 139 was manually annotated 1 time for cluster BL.
•Start number 146 was manually annotated 2 times for cluster BL.

Info for manual annotations of cluster BP:
•Start number 212 was manually annotated 5 times for cluster BP.
•Start number 221 was manually annotated 6 times for cluster BP.

Info for manual annotations of cluster CA:
•Start number 145 was manually annotated 32 times for cluster CA.
•Start number 177 was manually annotated 3 times for cluster CA.
•Start number 241 was manually annotated 1 time for cluster CA.

Info for manual annotations of cluster CF:
•Start number 23 was manually annotated 1 time for cluster CF.
•Start number 105 was manually annotated 1 time for cluster CF.
•Start number 109 was manually annotated 1 time for cluster CF.
•Start number 162 was manually annotated 1 time for cluster CF.
•Start number 175 was manually annotated 1 time for cluster CF.
•Start number 179 was manually annotated 1 time for cluster CF.

Info for manual annotations of cluster CV:
•Start number 79 was manually annotated 1 time for cluster CV.
•Start number 134 was manually annotated 1 time for cluster CV.
•Start number 161 was manually annotated 1 time for cluster CV.
•Start number 172 was manually annotated 1 time for cluster CV.
•Start number 179 was manually annotated 23 times for cluster CV.

Info for manual annotations of cluster EH:
•Start number 116 was manually annotated 1 time for cluster EH.
•Start number 125 was manually annotated 2 times for cluster EH.
•Start number 132 was manually annotated 1 time for cluster EH.
•Start number 140 was manually annotated 1 time for cluster EH.
•Start number 150 was manually annotated 1 time for cluster EH.
•Start number 159 was manually annotated 2 times for cluster EH.
•Start number 176 was manually annotated 7 times for cluster EH.

Info for manual annotations of cluster FO:
•Start number 225 was manually annotated 1 time for cluster FO.

Info for manual annotations of cluster FP:
•Start number 177 was manually annotated 6 times for cluster FP.

Info for manual annotations of cluster JN:
•Start number 314 was manually annotated 1 time for cluster JN.

Info for manual annotations of cluster K1:
•Start number 171 was manually annotated 1 time for cluster K1.
•Start number 183 was manually annotated 1 time for cluster K1.

Info for manual annotations of cluster K5:
•Start number 166 was manually annotated 7 times for cluster K5.
•Start number 172 was manually annotated 1 time for cluster K5.
•Start number 179 was manually annotated 12 times for cluster K5.
•Start number 206 was manually annotated 5 times for cluster K5.

Info for manual annotations of cluster M1:
•Start number 106 was manually annotated 1 time for cluster M1.
•Start number 133 was manually annotated 14 times for cluster M1.

Info for manual annotations of cluster M2:
•Start number 133 was manually annotated 6 times for cluster M2.

Info for manual annotations of cluster M3:
•Start number 133 was manually annotated 1 time for cluster M3.

Gene Information:

Gene: A6_34 Start: 28460, Stop: 30028, Start Num: 119
Candidate Starts for A6_34:
(Start: 103 @28445 has 30 MA's), (Start: 107 @28451 has 3 MA's), (Start: 117 @28457 has 12 MA's), (Start: 119 @28460 has 11 MA's), (Start: 126 @28475 has 4 MA's), (Start: 177 @28526 has 227 MA's), (Start: 183 @28535 has 17 MA's), (Start: 295 @28745 has 1 MA's), (Start: 297 @28751 has 1 MA's), (305, 28772), (Start: 360 @28901 has 1 MA's), (363, 28910), (365, 28919), (399, 29027), (410, 29048), (417, 29060), (425, 29084), (438, 29126), (516, 29255), (551, 29315), (574, 29372), (588, 29399), (602, 29426), (604, 29429), (610, 29441), (664, 29510), (685, 29543), (689, 29549), (703, 29582), (738, 29663), (743, 29678), (793, 29783), (847, 29897), (906, 29996), (917, 30020),

Gene: AEgle_46 Start: 34374, Stop: 35792, Start Num: 170
Candidate Starts for AEgle_46:
(Start: 152 @34356 has 3 MA's), (Start: 165 @34371 has 1 MA's), (Start: 170 @34374 has 33 MA's), (Start: 177 @34383 has 227 MA's), (233, 34497), (Start: 297 @34605 has 1 MA's), (312, 34638), (318, 34653), (351, 34716), (356, 34728), (358, 34737), (391, 34836), (425, 34929), (438, 34968), (523, 35073), (709, 35427), (711, 35430), (718, 35448), (723, 35460), (808, 35631),

Gene: AFIS_37 Start: 29661, Stop: 31205, Start Num: 131
Candidate Starts for AFIS_37:
(83, 29604), (Start: 93 @29616 has 2 MA's), (Start: 131 @29661 has 4 MA's), (Start: 177 @29706 has 227 MA's), (Start: 192 @29739 has 1 MA's), (Start: 295 @29925 has 1 MA's), (Start: 297 @29931 has 1 MA's), (305, 29952), (Start: 360 @30081 has 1 MA's), (363, 30090), (365, 30099), (399, 30207), (410, 30228), (417, 30240), (516, 30435), (551, 30495), (574, 30552), (602, 30606), (610, 30621), (685, 30720), (703, 30759), (738, 30840), (743, 30855), (847, 31074), (906, 31173), (917, 31197),

Gene: AGrandiflora_52 Start: 35693, Stop: 37111, Start Num: 170
Candidate Starts for AGrandiflora_52:
(Start: 152 @35675 has 3 MA's), (Start: 165 @35690 has 1 MA's), (Start: 170 @35693 has 33 MA's), (Start: 177 @35702 has 227 MA's), (233, 35816), (Start: 241 @35840 has 1 MA's), (Start: 297 @35924 has 1 MA's), (351, 36035), (356, 36047), (358, 36056), (391, 36155), (425, 36248), (430, 36260), (438, 36287), (523, 36392), (559, 36446), (711, 36749), (718, 36767), (723, 36779), (738, 36812), (808, 36950),

Gene: Aaronocolus_49 Start: 34181, Stop: 35398, Start Num: 232
Candidate Starts for Aaronocolus_49:
(Start: 176 @34064 has 14 MA's), (Start: 183 @34076 has 17 MA's), (190, 34091), (229, 34178), (Start: 232 @34181 has 1 MA's), (246, 34205), (277, 34247), (283, 34256), (303, 34298), (305, 34307), (313, 34319), (352, 34409), (355, 34418), (363, 34442), (402, 34562), (411, 34568), (460, 34658), (483, 34673), (488, 34682), (509, 34715), (557, 34826), (559, 34832), (578, 34880), (590, 34895), (596, 34910), (636, 34970), (649, 34994), (696, 35075), (717, 35105), (734, 35135), (749, 35183), (789, 35261), (810, 35309), (816, 35318), (825, 35345), (846, 35384),

Gene: AbbeyMikolon_57 Start: 38291, Stop: 40006, Start Num: 146
Candidate Starts for AbbeyMikolon_57:
(128, 38267), (138, 38282), (Start: 146 @38291 has 3 MA's), (167, 38309), (201, 38381), (209, 38399), (245, 38483), (275, 38555), (292, 38600), (Start: 295 @38609 has 1 MA's), (300, 38627), (309, 38648), (337, 38717), (357, 38801), (395, 38918), (414, 38987), (445, 39080), (509, 39185), (520, 39209), (626, 39443), (630, 39452), (800, 39788), (804, 39800), (818, 39827), (840, 39881), (848, 39893),

(852, 39902), (854, 39908), (867, 39932), (879, 39944), (910, 39998),

Gene: AbbysRanger_33 Start: 26661, Stop: 25147, Start Num: 171
Candidate Starts for AbbysRanger_33:
(Start: 136 @26703 has 1 MA's), (Start: 162 @26670 has 16 MA's), (Start: 171 @26661 has 113 MA's), (250, 26499), (277, 26433), (286, 26415), (325, 26340), (351, 26277), (353, 26274), (380, 26187), (425, 26061), (513, 25878), (551, 25821), (573, 25767), (595, 25716), (682, 25587), (687, 25578), (721, 25503), (724, 25497), (777, 25383), (781, 25374), (796, 25335), (878, 25185), (886, 25170),

Gene: Abbyshoes_39 Start: 29526, Stop: 31109, Start Num: 117
Candidate Starts for Abbyshoes_39:
(Start: 103 @29514 has 30 MA's), (Start: 107 @29520 has 3 MA's), (Start: 117 @29526 has 12 MA's), (Start: 119 @29529 has 11 MA's), (Start: 126 @29544 has 4 MA's), (Start: 177 @29595 has 227 MA's), (Start: 184 @29607 has 3 MA's), (Start: 297 @29820 has 1 MA's), (303, 29832), (305, 29841), (323, 29874), (Start: 360 @29970 has 1 MA's), (363, 29979), (365, 29988), (399, 30096), (410, 30117), (417, 30129), (425, 30153), (438, 30195), (516, 30324), (551, 30384), (574, 30441), (588, 30468), (602, 30495), (604, 30498), (610, 30510), (664, 30579), (689, 30618), (703, 30651), (738, 30732), (743, 30747), (847, 30966),

Gene: Abrogate_380 Start: 30330, Stop: 31832, Start Num: 177
Candidate Starts for Abrogate_380:
(Start: 95 @30240 has 1 MA's), (Start: 103 @30249 has 30 MA's), (Start: 107 @30255 has 3 MA's), (Start: 117 @30261 has 12 MA's), (Start: 119 @30264 has 11 MA's), (Start: 126 @30279 has 4 MA's), (Start: 177 @30330 has 227 MA's), (Start: 186 @30345 has 10 MA's), (Start: 295 @30549 has 1 MA's), (Start: 297 @30555 has 1 MA's), (Start: 360 @30705 has 1 MA's), (363, 30714), (365, 30723), (399, 30831), (410, 30852), (417, 30864), (425, 30888), (438, 30930), (516, 31059), (551, 31119), (574, 31176), (588, 31203), (594, 31218), (595, 31221), (602, 31230), (604, 31233), (610, 31245), (689, 31353), (703, 31386), (738, 31467), (743, 31482), (847, 31701), (906, 31800), (917, 31824),

Gene: Achebe_32 Start: 26644, Stop: 25130, Start Num: 171
Candidate Starts for Achebe_32:
(Start: 136 @26686 has 1 MA's), (Start: 162 @26653 has 16 MA's), (Start: 171 @26644 has 113 MA's), (250, 26482), (277, 26416), (286, 26398), (325, 26323), (351, 26260), (353, 26257), (380, 26170), (425, 26044), (513, 25861), (551, 25804), (573, 25750), (595, 25699), (682, 25570), (687, 25561), (721, 25486), (724, 25480), (777, 25366), (781, 25357), (796, 25318), (878, 25168), (886, 25153),

Gene: Acme_40 Start: 29877, Stop: 31391, Start Num: 177
Candidate Starts for Acme_40:
(Start: 103 @29796 has 30 MA's), (Start: 107 @29802 has 3 MA's), (Start: 117 @29808 has 12 MA's), (Start: 119 @29811 has 11 MA's), (Start: 126 @29826 has 4 MA's), (Start: 177 @29877 has 227 MA's), (Start: 186 @29892 has 10 MA's), (235, 29994), (Start: 297 @30102 has 1 MA's), (305, 30123), (Start: 360 @30252 has 1 MA's), (363, 30261), (365, 30270), (366, 30276), (395, 30366), (399, 30378), (417, 30411), (430, 30447), (516, 30606), (551, 30666), (574, 30723), (588, 30750), (602, 30777), (604, 30780), (610, 30792), (664, 30861), (685, 30894), (689, 30900), (703, 30933), (738, 31014), (743, 31029), (793, 31134), (847, 31248),

Gene: Adahisdi_38 Start: 29753, Stop: 31255, Start Num: 177
Candidate Starts for Adahisdi_38:
(Start: 103 @29672 has 30 MA's), (Start: 107 @29678 has 3 MA's), (Start: 117 @29684 has 12 MA's), (Start: 119 @29687 has 11 MA's), (Start: 126 @29702 has 4 MA's), (Start: 177 @29753 has 227 MA's), (230, 29861), (Start: 297 @29978 has 1 MA's), (305, 29999), (Start: 360 @30128 has 1 MA's),

(363, 30137), (365, 30146), (399, 30254), (410, 30275), (417, 30287), (425, 30311), (516, 30482), (551, 30542), (574, 30599), (588, 30626), (602, 30653), (604, 30656), (610, 30668), (664, 30737), (685, 30770), (689, 30776), (703, 30809), (738, 30890), (743, 30905), (793, 31010), (847, 31124), (906, 31223), (917, 31247),

Gene: Adolin_53 Start: 34720, Stop: 36138, Start Num: 170
Candidate Starts for Adolin_53:
(Start: 152 @34702 has 3 MA's), (Start: 165 @34717 has 1 MA's), (Start: 170 @34720 has 33 MA's), (Start: 177 @34729 has 227 MA's), (Start: 189 @34747 has 3 MA's), (Start: 241 @34867 has 1 MA's), (Start: 297 @34951 has 1 MA's), (312, 34984), (318, 34999), (351, 35062), (356, 35074), (391, 35182), (425, 35275), (438, 35314), (568, 35494), (709, 35773), (718, 35794), (808, 35977),

Gene: Adumb2043_47 Start: 34394, Stop: 35812, Start Num: 170
Candidate Starts for Adumb2043_47:
(Start: 152 @34376 has 3 MA's), (Start: 165 @34391 has 1 MA's), (Start: 170 @34394 has 33 MA's), (Start: 177 @34403 has 227 MA's), (233, 34517), (Start: 297 @34625 has 1 MA's), (312, 34658), (351, 34736), (356, 34748), (358, 34757), (391, 34856), (403, 34898), (425, 34949), (438, 34988), (523, 35093), (709, 35447), (711, 35450), (718, 35468), (723, 35480), (808, 35651),

Gene: Aeneas_40 Start: 29906, Stop: 31408, Start Num: 177
Candidate Starts for Aeneas_40:
(Start: 103 @29825 has 30 MA's), (Start: 107 @29831 has 3 MA's), (Start: 117 @29837 has 12 MA's), (Start: 119 @29840 has 11 MA's), (Start: 126 @29855 has 4 MA's), (Start: 177 @29906 has 227 MA's), (Start: 186 @29921 has 10 MA's), (190, 29930), (Start: 295 @30125 has 1 MA's), (Start: 297 @30131 has 1 MA's), (305, 30152), (Start: 360 @30281 has 1 MA's), (363, 30290), (365, 30299), (399, 30407), (410, 30428), (417, 30440), (425, 30464), (438, 30506), (516, 30635), (551, 30695), (574, 30752), (588, 30779), (602, 30806), (604, 30809), (610, 30821), (689, 30929), (703, 30962), (738, 31043), (743, 31058), (847, 31277), (906, 31376), (917, 31400),

Gene: Agent47_39 Start: 31420, Stop: 32865, Start Num: 166
Candidate Starts for Agent47_39:
(31, 31168), (55, 31231), (75, 31285), (130, 31372), (Start: 166 @31420 has 7 MA's), (Start: 206 @31495 has 9 MA's), (211, 31507), (277, 31618), (279, 31621), (296, 31654), (305, 31678), (336, 31741), (363, 31816), (472, 32092), (578, 32314), (584, 32326), (622, 32374), (636, 32404), (645, 32425), (662, 32449), (736, 32602), (772, 32683), (777, 32689), (782, 32701), (796, 32737), (800, 32743), (810, 32764), (817, 32779), (819, 32785), (839, 32833), (845, 32842),

Gene: AgentM_30 Start: 25856, Stop: 24363, Start Num: 177
Candidate Starts for AgentM_30:
(Start: 177 @25856 has 227 MA's), (Start: 192 @25823 has 1 MA's), (Start: 193 @25820 has 3 MA's), (Start: 206 @25802 has 9 MA's), (Start: 241 @25721 has 1 MA's), (326, 25577), (340, 25550), (356, 25502), (410, 25337), (421, 25313), (423, 25310), (430, 25289), (536, 25100), (624, 24929), (698, 24794), (717, 24752), (721, 24740), (754, 24656), (763, 24641), (777, 24626), (859, 24449), (887, 24419), (907, 24386),

Gene: AgronaGT15_36 Start: 27130, Stop: 25562, Start Num: 171
Candidate Starts for AgronaGT15_36:
(67, 27280), (73, 27265), (Start: 142 @27166 has 24 MA's), (Start: 171 @27130 has 113 MA's), (294, 26875), (304, 26851), (331, 26791), (351, 26743), (353, 26740), (380, 26653), (386, 26641), (391, 26620), (397, 26596), (425, 26527), (450, 26458), (452, 26449), (513, 26344), (536, 26299), (595, 26167), (650, 26083), (685, 26026), (781, 25819), (842, 25678),

Gene: AinMach_48 Start: 34606, Stop: 36066, Start Num: 144

Candidate Starts for AinMach_48:
(144, 34606), (Start: 177 @34645 has 227 MA's), (238, 34765), (322, 34918), (328, 34930), (351, 34975), (356, 34987), (362, 35005), (365, 35017), (421, 35176), (435, 35218), (525, 35338), (624, 35524), (656, 35578), (768, 35812), (777, 35821), (808, 35893),

Gene: Airmid_31 Start: 25414, Stop: 23933, Start Num: 177
Candidate Starts for Airmid_31:
(Start: 134 @25441 has 6 MA's), (Start: 177 @25414 has 227 MA's), (Start: 193 @25378 has 3 MA's), (Start: 241 @25279 has 1 MA's), (268, 25243), (Start: 297 @25195 has 1 MA's), (316, 25153), (329, 25129), (344, 25102), (355, 25063), (363, 25039), (366, 25024), (410, 24895), (562, 24601), (583, 24556), (595, 24526), (610, 24502), (624, 24487), (670, 24427), (693, 24376), (698, 24367), (735, 24280), (763, 24214), (859, 24022), (913, 23944),

Gene: Ajay_38 Start: 29543, Stop: 31045, Start Num: 177
Candidate Starts for Ajay_38:
(Start: 103 @29462 has 30 MA's), (Start: 107 @29468 has 3 MA's), (Start: 117 @29474 has 12 MA's), (Start: 119 @29477 has 11 MA's), (Start: 126 @29492 has 4 MA's), (Start: 177 @29543 has 227 MA's), (Start: 295 @29762 has 1 MA's), (Start: 297 @29768 has 1 MA's), (305, 29789), (356, 29906), (Start: 360 @29918 has 1 MA's), (363, 29927), (365, 29936), (366, 29942), (395, 30032), (399, 30044), (417, 30077), (516, 30272), (551, 30332), (574, 30389), (588, 30416), (602, 30443), (604, 30446), (610, 30458), (664, 30527), (685, 30560), (689, 30566), (703, 30599), (738, 30680), (743, 30695), (793, 30800), (847, 30914), (906, 31013), (917, 31037),

Gene: Alatin_29 Start: 23703, Stop: 22195, Start Num: 145
Candidate Starts for Alatin_29:
(Start: 145 @23703 has 32 MA's), (Start: 177 @23682 has 227 MA's), (Start: 181 @23676 has 3 MA's), (Start: 241 @23547 has 1 MA's), (277, 23499), (321, 23412), (363, 23307), (397, 23196), (423, 23136), (426, 23124), (449, 23061), (471, 23031), (495, 22998), (508, 22977), (523, 22947), (531, 22932), (536, 22926), (558, 22878), (571, 22845), (595, 22788), (624, 22749), (627, 22743), (718, 22593), (796, 22422), (913, 22206),

Gene: Albee_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for Albee_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Alberto7_34 Start: 26999, Stop: 25437, Start Num: 106
Candidate Starts for Alberto7_34:
(Start: 106 @26999 has 11 MA's), (Start: 177 @26933 has 227 MA's), (Start: 189 @26915 has 3 MA's), (214, 26858), (223, 26840), (239, 26810), (Start: 241 @26798 has 1 MA's), (316, 26672), (328, 26651), (344, 26621), (355, 26582), (366, 26543), (396, 26453), (421, 26393), (439, 26339), (523, 26201), (647, 25970), (693, 25880), (711, 25844), (721, 25817), (742, 25763), (745, 25754), (849, 25544), (859, 25526), (875, 25514), (880, 25505),

Gene: Aldrich_39 Start: 30715, Stop: 32217, Start Num: 177
Candidate Starts for Aldrich_39:
(Start: 103 @30634 has 30 MA's), (Start: 107 @30640 has 3 MA's), (Start: 117 @30646 has 12 MA's), (Start: 119 @30649 has 11 MA's), (Start: 126 @30664 has 4 MA's), (Start: 177 @30715 has 227 MA's), (Start: 186 @30730 has 10 MA's), (Start: 295 @30934 has 1 MA's), (Start: 297 @30940 has 1 MA's), (305, 30961), (356, 31078), (Start: 360 @31090 has 1 MA's), (363, 31099), (365, 31108), (395,

31204), (399, 31216), (410, 31237), (417, 31249), (425, 31273), (516, 31444), (551, 31504), (574, 31561), (588, 31588), (602, 31615), (610, 31630), (664, 31699), (689, 31738), (703, 31771), (738, 31852), (743, 31867), (793, 31972), (847, 32086), (906, 32185), (917, 32209),

Gene: AlleyCat_39 Start: 31272, Stop: 32717, Start Num: 166
Candidate Starts for AlleyCat_39:
(59, 31101), (75, 31137), (130, 31224), (Start: 166 @31272 has 7 MA's), (Start: 206 @31347 has 9 MA's), (211, 31359), (277, 31470), (279, 31473), (296, 31506), (305, 31530), (336, 31593), (363, 31668), (472, 31944), (578, 32166), (584, 32178), (622, 32226), (636, 32256), (645, 32277), (662, 32301), (736, 32454), (772, 32535), (777, 32541), (782, 32553), (796, 32589), (800, 32595), (808, 32613), (810, 32616), (817, 32631), (819, 32637), (839, 32685), (845, 32694),

Gene: Alpacados_28 Start: 23572, Stop: 22076, Start Num: 145
Candidate Starts for Alpacados_28:
(Start: 145 @23572 has 32 MA's), (Start: 177 @23551 has 227 MA's), (Start: 181 @23545 has 3 MA's), (Start: 241 @23416 has 1 MA's), (277, 23368), (321, 23281), (363, 23176), (397, 23065), (423, 23005), (426, 22993), (449, 22930), (471, 22900), (495, 22867), (508, 22846), (523, 22816), (536, 22795), (557, 22750), (558, 22747), (560, 22741), (595, 22657), (624, 22618), (627, 22612), (693, 22516), (709, 22483), (718, 22462), (721, 22453), (796, 22291),

Gene: Alsaber_52 Start: 36706, Stop: 38124, Start Num: 172
Candidate Starts for Alsaber_52:
(148, 36682), (Start: 172 @36706 has 26 MA's), (190, 36736), (Start: 226 @36817 has 1 MA's), (283, 36901), (290, 36919), (303, 36943), (305, 36952), (313, 36964), (326, 36991), (342, 37024), (355, 37063), (356, 37066), (363, 37087), (411, 37213), (435, 37276), (492, 37402), (517, 37447), (557, 37540), (596, 37624), (634, 37681), (643, 37693), (649, 37708), (698, 37792), (707, 37813), (734, 37849), (744, 37882), (784, 37960), (810, 38023), (819, 38041), (831, 38074), (833, 38077),

Gene: Alsfro_41 Start: 29931, Stop: 31442, Start Num: 177
Candidate Starts for Alsfro_41:
(Start: 177 @29931 has 227 MA's), (Start: 184 @29943 has 3 MA's), (Start: 186 @29946 has 10 MA's), (Start: 192 @29964 has 1 MA's), (230, 30039), (233, 30042), (Start: 241 @30066 has 1 MA's), (250, 30078), (Start: 295 @30150 has 1 MA's), (Start: 297 @30156 has 1 MA's), (303, 30168), (323, 30210), (338, 30240), (340, 30243), (Start: 360 @30306 has 1 MA's), (363, 30315), (365, 30324), (366, 30330), (395, 30420), (399, 30432), (417, 30465), (516, 30660), (551, 30720), (574, 30777), (602, 30831), (610, 30846), (685, 30945), (703, 30984), (706, 30987), (738, 31065), (743, 31080), (847, 31299),

Gene: Altman_39 Start: 30360, Stop: 31874, Start Num: 177
Candidate Starts for Altman_39:
(Start: 103 @30279 has 30 MA's), (Start: 107 @30285 has 3 MA's), (Start: 117 @30291 has 12 MA's), (Start: 119 @30294 has 11 MA's), (Start: 126 @30309 has 4 MA's), (Start: 177 @30360 has 227 MA's), (230, 30468), (Start: 295 @30579 has 1 MA's), (Start: 297 @30585 has 1 MA's), (305, 30606), (Start: 360 @30735 has 1 MA's), (363, 30744), (365, 30753), (399, 30861), (410, 30882), (417, 30894), (425, 30918), (438, 30960), (516, 31089), (551, 31149), (574, 31206), (588, 31233), (602, 31260), (604, 31263), (610, 31275), (664, 31344), (685, 31377), (689, 31383), (703, 31416), (738, 31497), (743, 31512), (793, 31617), (847, 31731),

Gene: Alvin_38 Start: 30002, Stop: 31504, Start Num: 177
Candidate Starts for Alvin_38:
(Start: 103 @29921 has 30 MA's), (Start: 107 @29927 has 3 MA's), (Start: 117 @29933 has 12 MA's), (Start: 119 @29936 has 11 MA's), (Start: 126 @29951 has 4 MA's), (Start: 177 @30002 has 227 MA's), (Start: 186 @30017 has 10 MA's), (Start: 295 @30221 has 1 MA's), (Start: 297 @30227 has 1

MA's), (305, 30248), (323, 30281), (Start: 360 @30377 has 1 MA's), (363, 30386), (365, 30395), (399, 30503), (410, 30524), (417, 30536), (425, 30560), (516, 30731), (551, 30791), (574, 30848), (602, 30902), (604, 30905), (610, 30917), (664, 30986), (689, 31025), (703, 31058), (738, 31139), (743, 31154), (793, 31259), (847, 31373), (906, 31472), (917, 31496),

Gene: Alvy_56 Start: 38642, Stop: 40063, Start Num: 157
Candidate Starts for Alvy_56:
(102, 38561), (108, 38570), (Start: 118 @38582 has 3 MA's), (Start: 149 @38633 has 5 MA's), (Start: 157 @38642 has 10 MA's), (277, 38852), (Start: 297 @38879 has 1 MA's), (310, 38909), (Start: 360 @39017 has 1 MA's), (402, 39146), (429, 39194), (483, 39305), (488, 39314), (506, 39341), (515, 39362), (517, 39365), (533, 39404), (541, 39419), (609, 39563), (659, 39647), (720, 39764), (738, 39800), (760, 39854), (761, 39857), (781, 39890), (810, 39956), (838, 40013), (861, 40052),

Gene: Amela_51 Start: 37563, Stop: 38975, Start Num: 172
Candidate Starts for Amela_51:
(Start: 172 @37563 has 26 MA's), (190, 37593), (277, 37749), (283, 37758), (290, 37776), (296, 37785), (303, 37800), (305, 37809), (313, 37821), (326, 37848), (338, 37872), (342, 37881), (355, 37920), (356, 37923), (363, 37944), (411, 38070), (412, 38073), (435, 38133), (483, 38244), (492, 38259), (517, 38304), (557, 38397), (578, 38451), (590, 38466), (596, 38481), (643, 38550), (649, 38565), (685, 38628), (734, 38706), (749, 38754), (810, 38880), (819, 38898), (833, 38934), (846, 38955),

Gene: Amethyst_51 Start: 36872, Stop: 38293, Start Num: 157
Candidate Starts for Amethyst_51:
(102, 36791), (108, 36800), (Start: 118 @36812 has 3 MA's), (Start: 149 @36863 has 5 MA's), (Start: 157 @36872 has 10 MA's), (Start: 189 @36917 has 3 MA's), (260, 37061), (277, 37082), (Start: 297 @37109 has 1 MA's), (310, 37139), (Start: 360 @37247 has 1 MA's), (402, 37376), (412, 37385), (429, 37424), (438, 37454), (465, 37502), (483, 37535), (488, 37544), (515, 37592), (517, 37595), (533, 37634), (541, 37649), (609, 37793), (659, 37877), (720, 37994), (738, 38030), (760, 38084), (761, 38087), (781, 38120), (784, 38129), (810, 38186), (833, 38234), (838, 38243),

Gene: Amploria_49 Start: 34579, Stop: 35997, Start Num: 170
Candidate Starts for Amploria_49:
(Start: 152 @34561 has 3 MA's), (Start: 165 @34576 has 1 MA's), (Start: 170 @34579 has 33 MA's), (Start: 177 @34588 has 227 MA's), (233, 34702), (Start: 297 @34810 has 1 MA's), (312, 34843), (318, 34858), (351, 34921), (356, 34933), (358, 34942), (391, 35041), (403, 35083), (425, 35134), (438, 35173), (523, 35278), (709, 35632), (711, 35635), (718, 35653), (723, 35665), (808, 35836),

Gene: Amyev_51 Start: 37772, Stop: 39232, Start Num: 172
Candidate Starts for Amyev_51:
(Start: 158 @37763 has 3 MA's), (Start: 172 @37772 has 26 MA's), (282, 37958), (298, 37991), (355, 38129), (358, 38141), (391, 38240), (408, 38291), (444, 38384), (631, 38717), (749, 38960), (897, 39218),

Gene: Anglerfish_39 Start: 29761, Stop: 31353, Start Num: 103
Candidate Starts for Anglerfish_39:
(Start: 103 @29761 has 30 MA's), (Start: 107 @29767 has 3 MA's), (Start: 117 @29773 has 12 MA's), (Start: 119 @29776 has 11 MA's), (Start: 126 @29791 has 4 MA's), (Start: 177 @29842 has 227 MA's), (Start: 186 @29857 has 10 MA's), (230, 29950), (Start: 295 @30061 has 1 MA's), (Start: 297 @30067 has 1 MA's), (Start: 360 @30217 has 1 MA's), (363, 30226), (365, 30235), (399, 30343), (410, 30364), (417, 30376), (425, 30400), (438, 30442), (516, 30571), (551, 30631), (574, 30688), (602, 30742), (604, 30745), (610, 30757), (703, 30895), (738, 30976), (743, 30991), (748, 31006), (847, 31210),

Gene: AngryOrchard_28 Start: 23567, Stop: 22059, Start Num: 145
Candidate Starts for AngryOrchard_28:
(Start: 145 @23567 has 32 MA's), (Start: 177 @23546 has 227 MA's), (Start: 181 @23540 has 3 MA's), (Start: 241 @23411 has 1 MA's), (277, 23363), (321, 23276), (363, 23171), (397, 23060), (423, 23000), (426, 22988), (471, 22895), (495, 22862), (508, 22841), (523, 22811), (531, 22796), (536, 22790), (558, 22742), (571, 22709), (595, 22652), (624, 22613), (627, 22607), (718, 22457), (784, 22316), (796, 22286), (856, 22160), (899, 22094),

Gene: Annyong_33 Start: 26638, Stop: 25124, Start Num: 171
Candidate Starts for Annyong_33:
(Start: 136 @26680 has 1 MA's), (Start: 162 @26647 has 16 MA's), (Start: 171 @26638 has 113 MA's), (250, 26476), (277, 26410), (286, 26392), (325, 26317), (335, 26293), (351, 26254), (353, 26251), (380, 26164), (421, 26050), (425, 26038), (513, 25855), (573, 25744), (595, 25693), (682, 25564), (687, 25555), (721, 25480), (724, 25474), (781, 25351), (796, 25312), (878, 25162), (886, 25147),

Gene: Anthony_33 Start: 25025, Stop: 23601, Start Num: 183
Candidate Starts for Anthony_33:
(3, 25649), (4, 25601), (5, 25574), (6, 25571), (7, 25547), (10, 25487), (11, 25475), (16, 25409), (101, 25121), (Start: 133 @25070 has 21 MA's), (Start: 177 @25034 has 227 MA's), (Start: 183 @25025 has 17 MA's), (Start: 241 @24899 has 1 MA's), (316, 24773), (329, 24749), (353, 24692), (392, 24569), (397, 24548), (430, 24470), (435, 24452), (447, 24422), (536, 24281), (558, 24236), (604, 24140), (624, 24113), (674, 24044), (716, 23978), (742, 23906), (777, 23846), (852, 23681), (894, 23645), (909, 23621),

Gene: AppleCloud_27 Start: 23605, Stop: 22106, Start Num: 145
Candidate Starts for AppleCloud_27:
(Start: 145 @23605 has 32 MA's), (Start: 177 @23584 has 227 MA's), (Start: 181 @23578 has 3 MA's), (214, 23509), (Start: 241 @23449 has 1 MA's), (321, 23311), (323, 23308), (335, 23281), (355, 23230), (386, 23140), (420, 23044), (425, 23029), (430, 23017), (444, 22978), (497, 22897), (505, 22885), (525, 22846), (536, 22828), (568, 22759), (578, 22732), (584, 22720), (595, 22696), (602, 22687), (624, 22657), (631, 22639), (653, 22618), (668, 22597), (692, 22564), (698, 22552), (742, 22444), (795, 22339), (822, 22279), (840, 22240), (842, 22237), (854, 22213), (859, 22207),

Gene: Aragog_30 Start: 25886, Stop: 24393, Start Num: 177
Candidate Starts for Aragog_30:
(Start: 177 @25886 has 227 MA's), (Start: 192 @25853 has 1 MA's), (Start: 193 @25850 has 3 MA's), (Start: 206 @25832 has 9 MA's), (Start: 241 @25751 has 1 MA's), (326, 25607), (340, 25580), (356, 25532), (410, 25367), (421, 25343), (423, 25340), (430, 25319), (536, 25130), (624, 24959), (698, 24824), (717, 24782), (721, 24770), (754, 24686), (763, 24671), (777, 24656), (859, 24479), (887, 24449), (907, 24416),

Gene: Arcanine_37 Start: 28843, Stop: 30426, Start Num: 103
Candidate Starts for Arcanine_37:
(Start: 103 @28843 has 30 MA's), (Start: 107 @28849 has 3 MA's), (Start: 117 @28855 has 12 MA's), (Start: 119 @28858 has 11 MA's), (Start: 126 @28873 has 4 MA's), (Start: 177 @28924 has 227 MA's), (Start: 186 @28939 has 10 MA's), (Start: 295 @29143 has 1 MA's), (Start: 297 @29149 has 1 MA's), (Start: 360 @29299 has 1 MA's), (363, 29308), (365, 29317), (399, 29425), (410, 29446), (417, 29458), (425, 29482), (438, 29524), (516, 29653), (551, 29713), (574, 29770), (588, 29797), (602, 29824), (604, 29827), (610, 29839), (664, 29908), (685, 29941), (689, 29947), (703, 29980), (738, 30061), (743, 30076), (793, 30181), (847, 30295), (906, 30394), (917, 30418),

Gene: Archetta_30 Start: 25923, Stop: 24442, Start Num: 177
Candidate Starts for Archetta_30:
(Start: 134 @25950 has 6 MA's), (Start: 177 @25923 has 227 MA's), (Start: 193 @25887 has 3 MA's), (Start: 241 @25788 has 1 MA's), (Start: 297 @25704 has 1 MA's), (316, 25662), (329, 25638), (344, 25611), (355, 25572), (363, 25548), (410, 25404), (562, 25110), (583, 25065), (595, 25035), (610, 25011), (624, 24996), (670, 24936), (693, 24885), (698, 24876), (721, 24822), (735, 24789), (763, 24723), (859, 24531), (913, 24453),

Gene: ArizonaGT_30 Start: 22964, Stop: 21345, Start Num: 212
Candidate Starts for ArizonaGT_30:
(Start: 212 @22964 has 5 MA's), (291, 22760), (Start: 297 @22742 has 1 MA's), (367, 22538), (422, 22355), (439, 22304), (476, 22238), (482, 22229), (552, 22088), (561, 22064), (584, 22010), (615, 21944), (667, 21839), (681, 21803), (725, 21716), (744, 21662), (792, 21560), (823, 21491), (833, 21467), (839, 21455), (882, 21404),

Gene: Arlo_36 Start: 29428, Stop: 30942, Start Num: 177
Candidate Starts for Arlo_36:
(Start: 103 @29347 has 30 MA's), (Start: 107 @29353 has 3 MA's), (Start: 117 @29359 has 12 MA's), (Start: 119 @29362 has 11 MA's), (Start: 126 @29377 has 4 MA's), (Start: 177 @29428 has 227 MA's), (Start: 295 @29647 has 1 MA's), (Start: 297 @29653 has 1 MA's), (305, 29674), (356, 29791), (Start: 360 @29803 has 1 MA's), (363, 29812), (365, 29821), (399, 29929), (410, 29950), (417, 29962), (425, 29986), (438, 30028), (516, 30157), (551, 30217), (574, 30274), (588, 30301), (602, 30328), (604, 30331), (610, 30343), (664, 30412), (685, 30445), (689, 30451), (703, 30484), (738, 30565), (743, 30580), (847, 30799),

Gene: Arturo_32 Start: 26750, Stop: 25254, Start Num: 177
Candidate Starts for Arturo_32:
(Start: 106 @26816 has 11 MA's), (Start: 154 @26759 has 5 MA's), (Start: 177 @26750 has 227 MA's), (Start: 189 @26732 has 3 MA's), (214, 26675), (223, 26657), (239, 26627), (Start: 241 @26615 has 1 MA's), (316, 26489), (328, 26468), (344, 26438), (355, 26399), (421, 26210), (434, 26174), (439, 26156), (523, 26018), (550, 25973), (647, 25787), (711, 25661), (721, 25634), (742, 25580), (745, 25571), (849, 25361), (859, 25343), (875, 25331), (880, 25322),

Gene: Asa16_48 Start: 35961, Stop: 37382, Start Num: 170
Candidate Starts for Asa16_48:
(Start: 152 @35943 has 3 MA's), (Start: 165 @35958 has 1 MA's), (Start: 170 @35961 has 33 MA's), (Start: 177 @35970 has 227 MA's), (233, 36084), (Start: 241 @36108 has 1 MA's), (Start: 297 @36192 has 1 MA's), (312, 36225), (318, 36240), (351, 36303), (356, 36315), (358, 36324), (391, 36423), (403, 36465), (425, 36516), (438, 36555), (510, 36633), (523, 36660), (559, 36714), (711, 37020), (716, 37029), (718, 37038), (723, 37050), (808, 37221), (859, 37308),

Gene: Ascela_51 Start: 36003, Stop: 37418, Start Num: 177
Candidate Starts for Ascela_51:
(Start: 177 @36003 has 227 MA's), (Start: 189 @36021 has 3 MA's), (Start: 241 @36141 has 1 MA's), (Start: 297 @36225 has 1 MA's), (320, 36276), (351, 36336), (356, 36348), (365, 36378), (391, 36456), (425, 36549), (438, 36588), (718, 37071), (723, 37083), (808, 37254),

Gene: Ashballer_39 Start: 30219, Stop: 31802, Start Num: 103
Candidate Starts for Ashballer_39:
(Start: 103 @30219 has 30 MA's), (Start: 107 @30225 has 3 MA's), (Start: 117 @30231 has 12 MA's), (Start: 119 @30234 has 11 MA's), (Start: 126 @30249 has 4 MA's), (Start: 177 @30300 has 227 MA's), (Start: 295 @30519 has 1 MA's), (Start: 297 @30525 has 1 MA's), (Start: 360 @30675 has 1 MA's), (363, 30684), (365, 30693), (399, 30801), (410, 30822), (417, 30834), (425, 30858), (438,

30900), (516, 31029), (551, 31089), (574, 31146), (588, 31173), (602, 31200), (610, 31215), (664, 31284), (689, 31323), (703, 31356), (738, 31437), (743, 31452), (847, 31671), (906, 31770), (917, 31794),

Gene: Ashes_43 Start: 31555, Stop: 32994, Start Num: 172
Candidate Starts for Ashes_43:
(Start: 172 @31555 has 26 MA's), (230, 31666), (235, 31675), (282, 31738), (Start: 295 @31762 has 1 MA's), (298, 31771), (356, 31921), (358, 31930), (408, 32086), (410, 32092), (423, 32119), (559, 32353), (565, 32368), (629, 32476), (765, 32746), (861, 32923), (867, 32938), (870, 32941),

Gene: Asten_50 Start: 36160, Stop: 37782, Start Num: 134
Candidate Starts for Asten_50:
(Start: 96 @36103 has 7 MA's), (Start: 134 @36160 has 6 MA's), (Start: 142 @36169 has 24 MA's), (Start: 206 @36289 has 9 MA's), (218, 36316), (261, 36415), (269, 36433), (285, 36484), (319, 36565), (321, 36568), (353, 36640), (355, 36649), (356, 36652), (395, 36778), (406, 36805), (434, 36874), (437, 36886), (450, 36919), (502, 36988), (521, 37015), (552, 37063), (571, 37111), (591, 37150), (624, 37207), (703, 37330), (731, 37390), (746, 37435), (808, 37564), (830, 37615), (834, 37624), (854, 37663), (868, 37687), (877, 37702), (885, 37717), (895, 37732),

Gene: Astro_30 Start: 25018, Stop: 23516, Start Num: 171
Candidate Starts for Astro_30:
(Start: 117 @25087 has 12 MA's), (Start: 136 @25060 has 1 MA's), (Start: 142 @25054 has 24 MA's), (Start: 171 @25018 has 113 MA's), (Start: 241 @24868 has 1 MA's), (294, 24763), (325, 24697), (331, 24679), (351, 24637), (353, 24634), (380, 24547), (421, 24433), (425, 24421), (461, 24328), (489, 24280), (513, 24238), (552, 24178), (595, 24076), (717, 23869), (759, 23764), (781, 23728), (796, 23689), (839, 23605), (871, 23557),

Gene: Atkinbua_39 Start: 29777, Stop: 31345, Start Num: 119
Candidate Starts for Atkinbua_39:
(Start: 103 @29762 has 30 MA's), (Start: 107 @29768 has 3 MA's), (Start: 117 @29774 has 12 MA's), (Start: 119 @29777 has 11 MA's), (Start: 126 @29792 has 4 MA's), (Start: 177 @29843 has 227 MA's), (Start: 295 @30062 has 1 MA's), (Start: 297 @30068 has 1 MA's), (305, 30089), (Start: 360 @30218 has 1 MA's), (363, 30227), (365, 30236), (399, 30344), (410, 30365), (417, 30377), (425, 30401), (438, 30443), (516, 30572), (551, 30632), (574, 30689), (588, 30716), (602, 30743), (610, 30758), (689, 30866), (703, 30899), (738, 30980), (743, 30995), (847, 31214), (906, 31313), (917, 31337),

Gene: Attoomi_51 Start: 39130, Stop: 40542, Start Num: 259
Candidate Starts for Attoomi_51:
(Start: 193 @38968 has 3 MA's), (198, 38980), (Start: 259 @39130 has 1 MA's), (263, 39142), (265, 39148), (271, 39160), (286, 39208), (Start: 295 @39232 has 1 MA's), (313, 39271), (317, 39283), (323, 39292), (333, 39316), (340, 39325), (349, 39349), (380, 39451), (392, 39484), (403, 39523), (419, 39556), (430, 39586), (432, 39589), (456, 39661), (464, 39676), (505, 39736), (508, 39742), (516, 39760), (533, 39793), (552, 39826), (560, 39847), (578, 39889), (602, 39931), (610, 39946), (624, 39961), (647, 39997), (650, 40000), (682, 40045), (685, 40051), (699, 40078), (724, 40135), (755, 40216), (852, 40414), (875, 40447), (907, 40498), (916, 40519), (917, 40522), (918, 40534),

Gene: Auspice_131 Start: 69640, Stop: 68180, Start Num: 133
Candidate Starts for Auspice_131:
(Start: 106 @69682 has 11 MA's), (128, 69649), (Start: 133 @69640 has 21 MA's), (190, 69568), (233, 69487), (Start: 259 @69445 has 1 MA's), (277, 69421), (313, 69349), (355, 69232), (373, 69169), (407, 69085), (412, 69073), (430, 69031), (435, 69013), (527, 68851), (539, 68830), (559, 68779), (574, 68752), (587, 68725), (663, 68605), (738, 68455), (774, 68377), (794, 68332), (820, 68275),

Gene: AvatarAhPeg_34 Start: 27306, Stop: 25744, Start Num: 106
Candidate Starts for AvatarAhPeg_34:
(Start: 106 @27306 has 11 MA's), (Start: 154 @27249 has 5 MA's), (Start: 177 @27240 has 227 MA's), (Start: 189 @27222 has 3 MA's), (214, 27165), (239, 27117), (Start: 241 @27105 has 1 MA's), (316, 26979), (328, 26958), (329, 26955), (344, 26928), (355, 26889), (396, 26760), (421, 26700), (523, 26508), (602, 26346), (711, 26151), (721, 26124), (742, 26070), (745, 26061), (849, 25851), (859, 25833), (875, 25821), (880, 25812), (891, 25794),

Gene: Avle17_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for Avle17_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: AxeJC_29 Start: 22952, Stop: 21372, Start Num: 221
Candidate Starts for AxeJC_29:
(Start: 221 @22952 has 6 MA's), (237, 22907), (291, 22772), (Start: 297 @22754 has 1 MA's), (482, 22241), (584, 22013), (649, 21884), (654, 21878), (669, 21848), (732, 21716), (744, 21677), (755, 21650), (785, 21593), (813, 21533), (817, 21524), (839, 21470), (847, 21458), (848, 21455), (872, 21425), (877, 21416), (885, 21401),

Gene: Aziz_145 Start: 70550, Stop: 69096, Start Num: 133
Candidate Starts for Aziz_145:
(Start: 106 @70592 has 11 MA's), (128, 70559), (Start: 133 @70550 has 21 MA's), (Start: 181 @70496 has 3 MA's), (190, 70478), (228, 70403), (313, 70259), (355, 70142), (373, 70079), (412, 69989), (430, 69947), (543, 69734), (559, 69695), (574, 69668), (587, 69641), (641, 69560), (658, 69530), (662, 69524), (663, 69521), (738, 69371), (745, 69350), (774, 69293), (820, 69191),

Gene: Azula_38 Start: 30375, Stop: 31766, Start Num: 179
Candidate Starts for Azula_38:
(Start: 79 @30240 has 1 MA's), (Start: 161 @30354 has 1 MA's), (Start: 179 @30375 has 38 MA's), (235, 30495), (332, 30672), (378, 30798), (395, 30852), (438, 30969), (481, 31047), (515, 31110), (530, 31146), (568, 31224), (578, 31251), (594, 31266), (641, 31332), (643, 31335), (657, 31359), (662, 31368), (663, 31371), (702, 31449), (729, 31506), (743, 31542), (758, 31575), (764, 31584), (776, 31602), (800, 31653),

Gene: BK1_34 Start: 28460, Stop: 30028, Start Num: 119
Candidate Starts for BK1_34:
(Start: 103 @28445 has 30 MA's), (Start: 107 @28451 has 3 MA's), (Start: 117 @28457 has 12 MA's), (Start: 119 @28460 has 11 MA's), (Start: 126 @28475 has 4 MA's), (Start: 177 @28526 has 227 MA's), (Start: 183 @28535 has 17 MA's), (Start: 295 @28745 has 1 MA's), (Start: 297 @28751 has 1 MA's), (305, 28772), (Start: 360 @28901 has 1 MA's), (363, 28910), (365, 28919), (399, 29027), (410, 29048), (417, 29060), (425, 29084), (438, 29126), (516, 29255), (551, 29315), (574, 29372), (588, 29399), (602, 29426), (604, 29429), (610, 29441), (664, 29510), (685, 29543), (689, 29549), (703, 29582), (738, 29663), (743, 29678), (793, 29783), (847, 29897), (906, 29996), (917, 30020),

Gene: BPBiebs31_38 Start: 29878, Stop: 31392, Start Num: 177
Candidate Starts for BPBiebs31_38:
(Start: 103 @29797 has 30 MA's), (Start: 107 @29803 has 3 MA's), (Start: 117 @29809 has 12 MA's), (Start: 119 @29812 has 11 MA's), (Start: 126 @29827 has 4 MA's), (Start: 177 @29878 has 227 MA's), (Start: 186 @29893 has 10 MA's), (Start: 295 @30097 has 1 MA's), (Start: 297 @30103 has 1

MA's), (303, 30115), (305, 30124), (Start: 360 @30253 has 1 MA's), (363, 30262), (365, 30271), (399, 30379), (410, 30400), (417, 30412), (425, 30436), (438, 30478), (516, 30607), (551, 30667), (574, 30724), (602, 30778), (610, 30793), (689, 30901), (703, 30934), (738, 31015), (743, 31030), (793, 31135), (847, 31249),

Gene: Baby16_33 Start: 26648, Stop: 25134, Start Num: 171
Candidate Starts for Baby16_33:
(Start: 136 @26690 has 1 MA's), (Start: 162 @26657 has 16 MA's), (Start: 171 @26648 has 113 MA's), (250, 26486), (277, 26420), (286, 26402), (325, 26327), (335, 26303), (351, 26264), (353, 26261), (380, 26174), (421, 26060), (425, 26048), (513, 25865), (573, 25754), (595, 25703), (682, 25574), (687, 25565), (721, 25490), (724, 25484), (781, 25361), (796, 25322), (878, 25172), (886, 25157),

Gene: BabyBack_34 Start: 26301, Stop: 27938, Start Num: 174
Candidate Starts for BabyBack_34:
(143, 26265), (Start: 174 @26301 has 3 MA's), (230, 26418), (235, 26427), (Start: 241 @26445 has 1 MA's), (Start: 295 @26529 has 1 MA's), (323, 26589), (349, 26649), (355, 26670), (363, 26694), (365, 26703), (395, 26799), (421, 26859), (430, 26883), (468, 26964), (497, 27003), (516, 27039), (594, 27204), (602, 27216), (621, 27240), (689, 27360), (703, 27393), (709, 27402), (840, 27699), (847, 27708), (909, 27810), (917, 27831), (919, 27855), (921, 27879), (923, 27906), (924, 27924),

Gene: Backyardigan_33 Start: 26665, Stop: 25142, Start Num: 162
Candidate Starts for Backyardigan_33:
(Start: 136 @26698 has 1 MA's), (Start: 162 @26665 has 16 MA's), (Start: 171 @26656 has 113 MA's), (250, 26494), (277, 26428), (286, 26410), (325, 26335), (351, 26272), (353, 26269), (380, 26182), (425, 26056), (513, 25873), (551, 25816), (573, 25762), (595, 25711), (682, 25582), (687, 25573), (721, 25498), (724, 25492), (777, 25378), (781, 25369), (796, 25330), (878, 25180), (886, 25165),

Gene: BaconJack_40 Start: 29834, Stop: 31405, Start Num: 117
Candidate Starts for BaconJack_40:
(Start: 103 @29822 has 30 MA's), (Start: 107 @29828 has 3 MA's), (Start: 117 @29834 has 12 MA's), (Start: 119 @29837 has 11 MA's), (Start: 126 @29852 has 4 MA's), (Start: 177 @29903 has 227 MA's), (Start: 295 @30122 has 1 MA's), (Start: 297 @30128 has 1 MA's), (305, 30149), (Start: 360 @30278 has 1 MA's), (363, 30287), (365, 30296), (399, 30404), (410, 30425), (417, 30437), (425, 30461), (438, 30503), (516, 30632), (551, 30692), (574, 30749), (588, 30776), (602, 30803), (604, 30806), (610, 30818), (664, 30887), (689, 30926), (703, 30959), (738, 31040), (743, 31055), (793, 31160), (847, 31274), (906, 31373), (917, 31397),

Gene: Badger_33 Start: 26645, Stop: 25131, Start Num: 171
Candidate Starts for Badger_33:
(Start: 136 @26687 has 1 MA's), (Start: 162 @26654 has 16 MA's), (Start: 171 @26645 has 113 MA's), (250, 26483), (277, 26417), (286, 26399), (325, 26324), (351, 26261), (353, 26258), (380, 26171), (425, 26045), (513, 25862), (551, 25805), (573, 25751), (595, 25700), (682, 25571), (687, 25562), (721, 25487), (724, 25481), (777, 25367), (781, 25358), (796, 25319), (878, 25169), (886, 25154),

Gene: BaileyBlu_48 Start: 34192, Stop: 35604, Start Num: 177
Candidate Starts for BaileyBlu_48:
(Start: 177 @34192 has 227 MA's), (284, 34384), (351, 34522), (356, 34534), (362, 34552), (365, 34564), (372, 34591), (374, 34597), (426, 34738), (430, 34747), (438, 34774), (510, 34855), (523, 34882), (536, 34903), (591, 35002), (624, 35071), (676, 35164), (682, 35182), (717, 35254), (749, 35335), (762, 35353), (808, 35440),

Gene: BananenDer11_39 Start: 31456, Stop: 32826, Start Num: 206
Candidate Starts for BananenDer11_39:
(31, 31129), (55, 31192), (75, 31246), (130, 31333), (Start: 166 @31381 has 7 MA's), (Start: 206 @31456 has 9 MA's), (211, 31468), (277, 31579), (279, 31582), (296, 31615), (305, 31639), (336, 31702), (363, 31777), (472, 32053), (578, 32275), (584, 32287), (622, 32335), (636, 32365), (645, 32386), (662, 32410), (736, 32563), (772, 32644), (777, 32650), (782, 32662), (796, 32698), (800, 32704), (810, 32725), (817, 32740), (819, 32746), (839, 32794), (845, 32803),

Gene: Barnstormer_59 Start: 38306, Stop: 39811, Start Num: 176
Candidate Starts for Barnstormer_59:
(45, 38096), (Start: 176 @38306 has 14 MA's), (277, 38498), (355, 38669), (430, 38861), (454, 38915), (488, 38963), (540, 39065), (659, 39302), (737, 39452), (783, 39551), (914, 39806),

Gene: Barriga_37 Start: 29037, Stop: 30524, Start Num: 186
Candidate Starts for Barriga_37:
(Start: 131 @28977 has 4 MA's), (Start: 177 @29022 has 227 MA's), (Start: 186 @29037 has 10 MA's), (Start: 295 @29241 has 1 MA's), (Start: 297 @29247 has 1 MA's), (Start: 360 @29397 has 1 MA's), (363, 29406), (365, 29415), (399, 29523), (410, 29544), (417, 29556), (425, 29580), (438, 29622), (516, 29751), (551, 29811), (574, 29868), (588, 29895), (602, 29922), (604, 29925), (610, 29937), (664, 30006), (685, 30039), (689, 30045), (703, 30078), (738, 30159), (743, 30174), (793, 30279), (847, 30393), (906, 30492), (917, 30516),

Gene: BarrowTuph_36 Start: 29337, Stop: 30932, Start Num: 103
Candidate Starts for BarrowTuph_36:
(Start: 103 @29337 has 30 MA's), (Start: 107 @29343 has 3 MA's), (Start: 117 @29349 has 12 MA's), (Start: 119 @29352 has 11 MA's), (Start: 126 @29367 has 4 MA's), (Start: 177 @29418 has 227 MA's), (Start: 186 @29433 has 10 MA's), (Start: 295 @29637 has 1 MA's), (Start: 297 @29643 has 1 MA's), (305, 29664), (356, 29781), (Start: 360 @29793 has 1 MA's), (363, 29802), (365, 29811), (395, 29907), (399, 29919), (410, 29940), (417, 29952), (425, 29976), (516, 30147), (551, 30207), (574, 30264), (588, 30291), (602, 30318), (610, 30333), (689, 30441), (738, 30555), (743, 30570), (847, 30789),

Gene: BarryBee_53 Start: 36191, Stop: 37804, Start Num: 142
Candidate Starts for BarryBee_53:
(Start: 96 @36125 has 7 MA's), (Start: 134 @36182 has 6 MA's), (Start: 142 @36191 has 24 MA's), (218, 36338), (261, 36437), (269, 36455), (285, 36506), (319, 36587), (321, 36590), (353, 36662), (355, 36671), (356, 36674), (395, 36800), (406, 36827), (434, 36896), (450, 36941), (502, 37010), (521, 37037), (552, 37085), (571, 37133), (591, 37172), (602, 37199), (624, 37229), (703, 37352), (731, 37412), (746, 37457), (808, 37586), (830, 37637), (834, 37646), (854, 37685), (868, 37709), (877, 37724), (885, 37739), (895, 37754),

Gene: BartholomewSD_56 Start: 37761, Stop: 39182, Start Num: 157
Candidate Starts for BartholomewSD_56:
(102, 37680), (108, 37689), (Start: 118 @37701 has 3 MA's), (Start: 149 @37752 has 5 MA's), (Start: 157 @37761 has 10 MA's), (277, 37971), (Start: 297 @37998 has 1 MA's), (310, 38028), (Start: 360 @38136 has 1 MA's), (402, 38265), (429, 38313), (483, 38424), (488, 38433), (506, 38460), (515, 38481), (517, 38484), (533, 38523), (541, 38538), (609, 38682), (659, 38766), (720, 38883), (738, 38919), (760, 38973), (761, 38976), (781, 39009), (810, 39075), (838, 39132), (861, 39171),

Gene: Bartimeaus_33 Start: 26639, Stop: 25125, Start Num: 171
Candidate Starts for Bartimeaus_33:

(Start: 136 @26681 has 1 MA's), (Start: 162 @26648 has 16 MA's), (Start: 171 @26639 has 113 MA's), (250, 26477), (277, 26411), (286, 26393), (325, 26318), (335, 26294), (351, 26255), (353, 26252), (380, 26165), (421, 26051), (425, 26039), (513, 25856), (573, 25745), (595, 25694), (682, 25565), (687, 25556), (721, 25481), (724, 25475), (781, 25352), (796, 25313), (878, 25163), (886, 25148),

Gene: BeardedLady_49 Start: 34453, Stop: 35775, Start Num: 183
Candidate Starts for BeardedLady_49:
(Start: 176 @34441 has 14 MA's), (Start: 183 @34453 has 17 MA's), (190, 34468), (229, 34555), (Start: 232 @34558 has 1 MA's), (246, 34582), (283, 34633), (303, 34675), (305, 34684), (313, 34696), (352, 34786), (355, 34795), (363, 34819), (402, 34939), (411, 34945), (460, 35035), (483, 35050), (488, 35059), (509, 35092), (557, 35203), (559, 35209), (578, 35257), (590, 35272), (596, 35287), (636, 35347), (649, 35371), (696, 35452), (717, 35482), (734, 35512), (749, 35560), (789, 35638), (810, 35686), (816, 35695), (825, 35722), (846, 35761),

Gene: Beatrix_37 Start: 30878, Stop: 32380, Start Num: 177
Candidate Starts for Beatrix_37:
(Start: 103 @30797 has 30 MA's), (Start: 107 @30803 has 3 MA's), (Start: 117 @30809 has 12 MA's), (Start: 119 @30812 has 11 MA's), (Start: 126 @30827 has 4 MA's), (Start: 177 @30878 has 227 MA's), (Start: 186 @30893 has 10 MA's), (230, 30986), (Start: 295 @31097 has 1 MA's), (Start: 297 @31103 has 1 MA's), (323, 31157), (Start: 360 @31253 has 1 MA's), (363, 31262), (365, 31271), (399, 31379), (410, 31400), (425, 31436), (516, 31607), (551, 31667), (574, 31724), (588, 31751), (602, 31778), (604, 31781), (610, 31793), (689, 31901), (703, 31934), (738, 32015), (743, 32030), (847, 32249), (906, 32348), (917, 32372),

Gene: Beaupre_42 Start: 31365, Stop: 32804, Start Num: 172
Candidate Starts for Beaupre_42:
(Start: 172 @31365 has 26 MA's), (230, 31476), (235, 31485), (282, 31548), (Start: 295 @31572 has 1 MA's), (298, 31581), (356, 31731), (358, 31740), (408, 31896), (410, 31902), (423, 31929), (559, 32163), (565, 32178), (629, 32286), (765, 32556), (861, 32733), (867, 32748), (870, 32751),

Gene: BeesKnees_38 Start: 29463, Stop: 30965, Start Num: 177
Candidate Starts for BeesKnees_38:
(Start: 103 @29382 has 30 MA's), (Start: 107 @29388 has 3 MA's), (Start: 117 @29394 has 12 MA's), (Start: 119 @29397 has 11 MA's), (Start: 126 @29412 has 4 MA's), (Start: 177 @29463 has 227 MA's), (230, 29571), (Start: 295 @29682 has 1 MA's), (Start: 297 @29688 has 1 MA's), (305, 29709), (Start: 360 @29838 has 1 MA's), (363, 29847), (365, 29856), (399, 29964), (410, 29985), (417, 29997), (425, 30021), (438, 30063), (516, 30192), (551, 30252), (574, 30309), (588, 30336), (602, 30363), (610, 30378), (664, 30447), (689, 30486), (703, 30519), (743, 30615), (774, 30678), (793, 30720), (801, 30735), (847, 30834), (906, 30933), (917, 30957),

Gene: Begonia_38 Start: 31872, Stop: 33263, Start Num: 179
Candidate Starts for Begonia_38:
(120, 31794), (Start: 136 @31824 has 1 MA's), (Start: 149 @31842 has 5 MA's), (Start: 179 @31872 has 38 MA's), (235, 31992), (Start: 295 @32085 has 1 MA's), (366, 32262), (368, 32268), (378, 32295), (395, 32349), (438, 32466), (481, 32544), (568, 32721), (578, 32748), (594, 32763), (641, 32829), (643, 32832), (654, 32853), (657, 32856), (662, 32865), (663, 32868), (702, 32946), (707, 32955), (729, 33003), (758, 33072), (764, 33081), (776, 33099), (796, 33144), (800, 33150), (810, 33171), (833, 33225),

Gene: Belenaria_29 Start: 23636, Stop: 22140, Start Num: 145
Candidate Starts for Belenaria_29:

(Start: 145 @23636 has 32 MA's), (Start: 177 @23615 has 227 MA's), (Start: 181 @23609 has 3 MA's), (Start: 241 @23480 has 1 MA's), (277, 23432), (321, 23345), (363, 23240), (397, 23129), (409, 23099), (423, 23069), (426, 23057), (449, 22994), (471, 22964), (495, 22931), (508, 22910), (523, 22880), (531, 22865), (536, 22859), (558, 22811), (571, 22778), (595, 22721), (624, 22682), (627, 22676), (693, 22580), (709, 22547), (718, 22526), (721, 22517), (796, 22355),

Gene: Benedict_31 Start: 25417, Stop: 23936, Start Num: 177
Candidate Starts for Benedict_31:
(Start: 134 @25444 has 6 MA's), (Start: 177 @25417 has 227 MA's), (Start: 193 @25381 has 3 MA's), (Start: 241 @25282 has 1 MA's), (268, 25246), (Start: 297 @25198 has 1 MA's), (316, 25156), (329, 25132), (344, 25105), (355, 25066), (363, 25042), (366, 25027), (410, 24898), (562, 24604), (583, 24559), (595, 24529), (610, 24505), (624, 24490), (670, 24430), (693, 24379), (698, 24370), (721, 24316), (735, 24283), (763, 24217), (859, 24025), (913, 23947),

Gene: Berrie_51 Start: 36108, Stop: 37529, Start Num: 170
Candidate Starts for Berrie_51:
(Start: 152 @36090 has 3 MA's), (Start: 165 @36105 has 1 MA's), (Start: 170 @36108 has 33 MA's), (Start: 177 @36117 has 227 MA's), (233, 36231), (Start: 297 @36339 has 1 MA's), (318, 36387), (351, 36450), (356, 36462), (358, 36471), (391, 36570), (425, 36663), (438, 36702), (665, 37068), (718, 37185), (723, 37197), (769, 37290), (808, 37368), (832, 37416),

Gene: Bethlehem_37 Start: 30167, Stop: 31669, Start Num: 177
Candidate Starts for Bethlehem_37:
(Start: 103 @30086 has 30 MA's), (Start: 107 @30092 has 3 MA's), (Start: 117 @30098 has 12 MA's), (Start: 119 @30101 has 11 MA's), (Start: 126 @30116 has 4 MA's), (Start: 177 @30167 has 227 MA's), (Start: 186 @30182 has 10 MA's), (269, 30347), (Start: 295 @30386 has 1 MA's), (Start: 297 @30392 has 1 MA's), (305, 30413), (Start: 360 @30542 has 1 MA's), (363, 30551), (365, 30560), (366, 30566), (395, 30656), (399, 30668), (417, 30701), (425, 30725), (438, 30767), (516, 30896), (551, 30956), (574, 31013), (602, 31067), (610, 31082), (689, 31190), (703, 31223), (738, 31304), (743, 31319), (793, 31424), (847, 31538), (906, 31637), (917, 31661),

Gene: Bexan_35 Start: 30373, Stop: 31875, Start Num: 177
Candidate Starts for Bexan_35:
(Start: 103 @30292 has 30 MA's), (Start: 107 @30298 has 3 MA's), (Start: 117 @30304 has 12 MA's), (Start: 119 @30307 has 11 MA's), (Start: 126 @30322 has 4 MA's), (Start: 177 @30373 has 227 MA's), (Start: 297 @30598 has 1 MA's), (356, 30736), (Start: 360 @30748 has 1 MA's), (363, 30757), (365, 30766), (399, 30874), (410, 30895), (417, 30907), (425, 30931), (438, 30973), (510, 31087), (516, 31102), (551, 31162), (574, 31219), (588, 31246), (602, 31273), (604, 31276), (610, 31288), (689, 31396), (703, 31429), (738, 31510), (743, 31525), (847, 31744), (906, 31843), (917, 31867),

Gene: Big3_37 Start: 30045, Stop: 31547, Start Num: 177
Candidate Starts for Big3_37:
(Start: 103 @29964 has 30 MA's), (Start: 107 @29970 has 3 MA's), (Start: 117 @29976 has 12 MA's), (Start: 119 @29979 has 11 MA's), (Start: 126 @29994 has 4 MA's), (Start: 177 @30045 has 227 MA's), (190, 30069), (Start: 297 @30270 has 1 MA's), (323, 30324), (Start: 360 @30420 has 1 MA's), (363, 30429), (365, 30438), (399, 30546), (410, 30567), (417, 30579), (425, 30603), (438, 30645), (516, 30774), (551, 30834), (574, 30891), (588, 30918), (602, 30945), (604, 30948), (610, 30960), (664, 31029), (689, 31068), (703, 31101), (738, 31182), (847, 31416), (906, 31515), (917, 31539),

Gene: BigMau_39 Start: 29582, Stop: 31084, Start Num: 177
Candidate Starts for BigMau_39:
(Start: 103 @29501 has 30 MA's), (Start: 107 @29507 has 3 MA's), (Start: 117 @29513 has 12 MA's), (Start: 119 @29516 has 11 MA's), (Start: 126 @29531 has 4 MA's), (Start: 177 @29582 has 227

MA's), (Start: 183 @29591 has 17 MA's), (Start: 186 @29597 has 10 MA's), (190, 29606), (Start: 192 @29615 has 1 MA's), (Start: 297 @29807 has 1 MA's), (303, 29819), (305, 29828), (323, 29861), (Start: 360 @29957 has 1 MA's), (363, 29966), (365, 29975), (399, 30083), (410, 30104), (417, 30116), (425, 30140), (438, 30182), (516, 30311), (551, 30371), (574, 30428), (588, 30455), (602, 30482), (604, 30485), (610, 30497), (664, 30566), (685, 30599), (689, 30605), (703, 30638), (738, 30719), (743, 30734), (793, 30839), (847, 30953), (906, 31052), (917, 31076),

Gene: Bigchungi_37 Start: 29171, Stop: 30658, Start Num: 186
Candidate Starts for Bigchungi_37:
(Start: 131 @29111 has 4 MA's), (Start: 177 @29156 has 227 MA's), (Start: 186 @29171 has 10 MA's), (250, 29303), (Start: 295 @29375 has 1 MA's), (Start: 297 @29381 has 1 MA's), (Start: 360 @29531 has 1 MA's), (363, 29540), (365, 29549), (399, 29657), (410, 29678), (417, 29690), (425, 29714), (438, 29756), (516, 29885), (551, 29945), (574, 30002), (588, 30029), (594, 30044), (595, 30047), (602, 30056), (604, 30059), (610, 30071), (689, 30179), (703, 30212), (721, 30251), (738, 30293), (743, 30308), (847, 30527), (906, 30626), (917, 30650),

Gene: Bigfoot_35 Start: 28813, Stop: 30315, Start Num: 177
Candidate Starts for Bigfoot_35:
(83, 28708), (Start: 93 @28720 has 2 MA's), (Start: 103 @28732 has 30 MA's), (Start: 107 @28738 has 3 MA's), (Start: 117 @28744 has 12 MA's), (Start: 119 @28747 has 11 MA's), (Start: 126 @28762 has 4 MA's), (Start: 177 @28813 has 227 MA's), (Start: 295 @29032 has 1 MA's), (Start: 297 @29038 has 1 MA's), (305, 29059), (Start: 360 @29188 has 1 MA's), (363, 29197), (365, 29206), (399, 29314), (410, 29335), (417, 29347), (425, 29371), (438, 29413), (516, 29542), (551, 29602), (574, 29659), (588, 29686), (602, 29713), (604, 29716), (610, 29728), (664, 29797), (689, 29836), (703, 29869), (738, 29950), (743, 29965), (793, 30070), (847, 30184), (906, 30283), (917, 30307),

Gene: BillKnuckles_38 Start: 30267, Stop: 31769, Start Num: 177
Candidate Starts for BillKnuckles_38:
(Start: 103 @30186 has 30 MA's), (Start: 107 @30192 has 3 MA's), (Start: 117 @30198 has 12 MA's), (Start: 119 @30201 has 11 MA's), (Start: 126 @30216 has 4 MA's), (Start: 177 @30267 has 227 MA's), (Start: 295 @30486 has 1 MA's), (Start: 297 @30492 has 1 MA's), (305, 30513), (Start: 360 @30642 has 1 MA's), (363, 30651), (365, 30660), (399, 30768), (410, 30789), (417, 30801), (425, 30825), (438, 30867), (516, 30996), (551, 31056), (574, 31113), (588, 31140), (602, 31167), (604, 31170), (610, 31182), (689, 31290), (703, 31323), (738, 31404), (743, 31419), (793, 31524), (847, 31638), (906, 31737), (917, 31761),

Gene: Bioscum_31 Start: 23000, Stop: 21264, Start Num: 205
Candidate Starts for Bioscum_31:
(39, 23297), (Start: 205 @23000 has 12 MA's), (230, 22943), (236, 22928), (308, 22736), (358, 22595), (401, 22445), (408, 22433), (421, 22385), (455, 22295), (532, 22151), (570, 22052), (591, 22010), (654, 21869), (669, 21839), (677, 21818), (748, 21653), (781, 21593), (798, 21551), (812, 21521), (817, 21509), (833, 21467), (834, 21464), (858, 21422), (882, 21386), (913, 21332),

Gene: Bircsak_37 Start: 29814, Stop: 31382, Start Num: 117
Candidate Starts for Bircsak_37:
(Start: 103 @29802 has 30 MA's), (Start: 107 @29808 has 3 MA's), (Start: 117 @29814 has 12 MA's), (Start: 119 @29817 has 11 MA's), (Start: 126 @29832 has 4 MA's), (Start: 177 @29883 has 227 MA's), (Start: 186 @29898 has 10 MA's), (190, 29907), (Start: 295 @30102 has 1 MA's), (Start: 297 @30108 has 1 MA's), (305, 30129), (Start: 360 @30258 has 1 MA's), (363, 30267), (365, 30276), (399, 30384), (410, 30405), (417, 30417), (425, 30441), (516, 30612), (551, 30672), (574, 30729), (588, 30756), (602, 30783), (604, 30786), (610, 30798), (685, 30897), (703, 30936), (706, 30939), (738, 31017), (743, 31032), (847, 31251), (906, 31350), (917, 31374),

Gene: Blackflame_37 Start: 29053, Stop: 30567, Start Num: 177
Candidate Starts for Blackflame_37:
(77, 28939), (Start: 103 @28972 has 30 MA's), (Start: 107 @28978 has 3 MA's), (Start: 117 @28984 has 12 MA's), (Start: 119 @28987 has 11 MA's), (Start: 126 @29002 has 4 MA's), (Start: 177 @29053 has 227 MA's), (Start: 295 @29272 has 1 MA's), (Start: 297 @29278 has 1 MA's), (305, 29299), (Start: 360 @29428 has 1 MA's), (363, 29437), (365, 29446), (399, 29554), (410, 29575), (417, 29587), (425, 29611), (438, 29653), (516, 29782), (551, 29842), (574, 29899), (588, 29926), (602, 29953), (610, 29968), (689, 30076), (738, 30190), (743, 30205), (793, 30310), (847, 30424),

Gene: Blackmoor_33 Start: 26639, Stop: 25125, Start Num: 171
Candidate Starts for Blackmoor_33:
(Start: 136 @26681 has 1 MA's), (Start: 162 @26648 has 16 MA's), (Start: 171 @26639 has 113 MA's), (250, 26477), (277, 26411), (286, 26393), (325, 26318), (335, 26294), (351, 26255), (353, 26252), (380, 26165), (421, 26051), (425, 26039), (513, 25856), (573, 25745), (595, 25694), (682, 25565), (687, 25556), (721, 25481), (724, 25475), (781, 25352), (796, 25313), (878, 25163), (886, 25148),

Gene: Blesser_37 Start: 29938, Stop: 31440, Start Num: 177
Candidate Starts for Blesser_37:
(Start: 93 @29848 has 2 MA's), (Start: 131 @29893 has 4 MA's), (Start: 177 @29938 has 227 MA's), (Start: 295 @30157 has 1 MA's), (Start: 297 @30163 has 1 MA's), (305, 30184), (Start: 360 @30313 has 1 MA's), (363, 30322), (365, 30331), (399, 30439), (410, 30460), (417, 30472), (425, 30496), (438, 30538), (516, 30667), (551, 30727), (574, 30784), (588, 30811), (602, 30838), (604, 30841), (610, 30853), (685, 30955), (689, 30961), (703, 30994), (738, 31075), (743, 31090), (793, 31195), (801, 31210), (847, 31309), (917, 31432),

Gene: Blino_41 Start: 33377, Stop: 34768, Start Num: 179
Candidate Starts for Blino_41:
(Start: 149 @33347 has 5 MA's), (Start: 172 @33368 has 26 MA's), (Start: 179 @33377 has 38 MA's), (235, 33497), (332, 33674), (366, 33767), (368, 33773), (378, 33800), (395, 33854), (438, 33971), (481, 34049), (530, 34148), (540, 34166), (543, 34175), (568, 34226), (578, 34253), (594, 34268), (641, 34334), (643, 34337), (654, 34358), (662, 34370), (663, 34373), (702, 34451), (729, 34508), (764, 34586), (776, 34604), (796, 34649), (800, 34655), (810, 34676), (833, 34730),

Gene: Blue_37 Start: 29798, Stop: 31393, Start Num: 103
Candidate Starts for Blue_37:
(Start: 103 @29798 has 30 MA's), (Start: 107 @29804 has 3 MA's), (Start: 117 @29810 has 12 MA's), (Start: 119 @29813 has 11 MA's), (Start: 126 @29828 has 4 MA's), (Start: 177 @29879 has 227 MA's), (Start: 186 @29894 has 10 MA's), (190, 29903), (Start: 295 @30098 has 1 MA's), (Start: 297 @30104 has 1 MA's), (Start: 360 @30254 has 1 MA's), (363, 30263), (365, 30272), (399, 30380), (410, 30401), (417, 30413), (425, 30437), (438, 30479), (516, 30608), (551, 30668), (574, 30725), (588, 30752), (602, 30779), (604, 30782), (610, 30794), (689, 30902), (703, 30935), (738, 31016), (743, 31031), (847, 31250),

Gene: Blueberry_37 Start: 30375, Stop: 31766, Start Num: 179
Candidate Starts for Blueberry_37:
(Start: 79 @30240 has 1 MA's), (Start: 161 @30354 has 1 MA's), (Start: 179 @30375 has 38 MA's), (235, 30495), (332, 30672), (378, 30798), (395, 30852), (438, 30969), (481, 31047), (515, 31110), (530, 31146), (568, 31224), (578, 31251), (594, 31266), (641, 31332), (643, 31335), (657, 31359), (662, 31368), (663, 31371), (702, 31449), (729, 31506), (743, 31542), (758, 31575), (764, 31584), (776, 31602), (800, 31653),

Gene: Bluefalcon_29 Start: 25903, Stop: 24443, Start Num: 192

Candidate Starts for Bluefalcon_29:
(Start: 177 @25936 has 227 MA's), (Start: 192 @25903 has 1 MA's), (Start: 193 @25900 has 3 MA's), (Start: 206 @25882 has 9 MA's), (Start: 241 @25801 has 1 MA's), (326, 25657), (340, 25630), (356, 25582), (410, 25417), (421, 25393), (423, 25390), (430, 25369), (536, 25180), (602, 25039), (624, 25009), (717, 24832), (721, 24820), (754, 24736), (763, 24721), (777, 24706), (859, 24529), (887, 24499), (907, 24466),

Gene: Bob3_36 Start: 28857, Stop: 30434, Start Num: 107
Candidate Starts for Bob3_36:
(Start: 103 @28851 has 30 MA's), (Start: 107 @28857 has 3 MA's), (Start: 117 @28863 has 12 MA's), (Start: 119 @28866 has 11 MA's), (Start: 126 @28881 has 4 MA's), (Start: 177 @28932 has 227 MA's), (Start: 297 @29157 has 1 MA's), (303, 29169), (305, 29178), (323, 29211), (356, 29295), (Start: 360 @29307 has 1 MA's), (363, 29316), (365, 29325), (395, 29421), (399, 29433), (417, 29466), (516, 29661), (551, 29721), (574, 29778), (602, 29832), (610, 29847), (685, 29949), (689, 29955), (703, 29988), (706, 29991), (734, 30054), (743, 30084), (793, 30189), (847, 30303), (906, 30402), (917, 30426),

Gene: BobbyDazzler_29 Start: 23682, Stop: 22186, Start Num: 145
Candidate Starts for BobbyDazzler_29:
(Start: 145 @23682 has 32 MA's), (Start: 177 @23661 has 227 MA's), (Start: 181 @23655 has 3 MA's), (Start: 241 @23526 has 1 MA's), (277, 23478), (321, 23391), (363, 23286), (397, 23175), (423, 23115), (426, 23103), (449, 23040), (471, 23010), (495, 22977), (508, 22956), (523, 22926), (536, 22905), (557, 22860), (558, 22857), (560, 22851), (595, 22767), (624, 22728), (627, 22722), (709, 22593), (718, 22572), (721, 22563), (796, 22401),

Gene: Bombshell_33 Start: 26646, Stop: 25123, Start Num: 162
Candidate Starts for Bombshell_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Bonamassa_30 Start: 25777, Stop: 24284, Start Num: 177
Candidate Starts for Bonamassa_30:
(Start: 177 @25777 has 227 MA's), (Start: 192 @25744 has 1 MA's), (Start: 193 @25741 has 3 MA's), (Start: 206 @25723 has 9 MA's), (Start: 241 @25642 has 1 MA's), (326, 25498), (340, 25471), (356, 25423), (410, 25258), (421, 25234), (423, 25231), (430, 25210), (536, 25021), (602, 24880), (624, 24850), (717, 24673), (721, 24661), (754, 24577), (763, 24562), (777, 24547), (859, 24370), (887, 24340), (907, 24307),

Gene: Bonanza_29 Start: 23610, Stop: 22114, Start Num: 145
Candidate Starts for Bonanza_29:
(Start: 145 @23610 has 32 MA's), (Start: 177 @23589 has 227 MA's), (Start: 181 @23583 has 3 MA's), (Start: 241 @23454 has 1 MA's), (277, 23406), (321, 23319), (363, 23214), (397, 23103), (423, 23043), (426, 23031), (471, 22938), (495, 22905), (508, 22884), (523, 22854), (531, 22839), (536, 22833), (558, 22785), (595, 22695), (624, 22656), (627, 22650), (693, 22554), (709, 22521), (718, 22500), (721, 22491), (796, 22329),

Gene: Bones_37 Start: 29287, Stop: 30786, Start Num: 177
Candidate Starts for Bones_37:
(Start: 131 @29242 has 4 MA's), (Start: 177 @29287 has 227 MA's), (Start: 186 @29302 has 10 MA's), (190, 29311), (250, 29434), (Start: 295 @29506 has 1 MA's), (Start: 297 @29512 has 1 MA's),

(323, 29566), (Start: 360 @29662 has 1 MA's), (363, 29671), (365, 29680), (399, 29788), (410, 29809), (417, 29821), (425, 29845), (438, 29887), (516, 30016), (551, 30076), (574, 30133), (588, 30160), (602, 30187), (604, 30190), (610, 30202), (685, 30301), (703, 30340), (738, 30421), (743, 30436), (793, 30541), (847, 30655), (852, 30667), (906, 30754), (917, 30778),

Gene: Bongo_130 Start: 69256, Stop: 67796, Start Num: 133
Candidate Starts for Bongo_130:
(Start: 106 @69298 has 11 MA's), (128, 69265), (Start: 133 @69256 has 21 MA's), (190, 69184), (233, 69103), (Start: 259 @69061 has 1 MA's), (277, 69037), (313, 68965), (355, 68848), (373, 68785), (407, 68701), (412, 68689), (430, 68647), (435, 68629), (527, 68467), (539, 68446), (559, 68395), (574, 68368), (587, 68341), (663, 68221), (738, 68071), (774, 67993), (794, 67948), (820, 67891),

Gene: Bovely_49 Start: 34070, Stop: 35404, Start Num: 176
Candidate Starts for Bovely_49:
(Start: 176 @34070 has 14 MA's), (Start: 183 @34082 has 17 MA's), (190, 34097), (229, 34184), (Start: 232 @34187 has 1 MA's), (246, 34211), (277, 34253), (283, 34262), (303, 34304), (305, 34313), (313, 34325), (352, 34415), (355, 34424), (363, 34448), (402, 34568), (411, 34574), (460, 34664), (483, 34679), (488, 34688), (509, 34721), (557, 34832), (559, 34838), (578, 34886), (590, 34901), (596, 34916), (636, 34976), (643, 34985), (649, 35000), (696, 35081), (717, 35111), (734, 35141), (749, 35189), (789, 35267), (810, 35315), (816, 35324), (825, 35351), (846, 35390),

Gene: Bowden_53 Start: 38547, Stop: 39977, Start Num: 149
Candidate Starts for Bowden_53:
(102, 38475), (108, 38484), (Start: 118 @38496 has 3 MA's), (Start: 149 @38547 has 5 MA's), (Start: 157 @38556 has 10 MA's), (Start: 297 @38793 has 1 MA's), (Start: 360 @38931 has 1 MA's), (402, 39060), (429, 39108), (483, 39219), (488, 39228), (506, 39255), (515, 39276), (517, 39279), (533, 39318), (541, 39333), (609, 39477), (644, 39534), (659, 39561), (720, 39678), (738, 39714), (760, 39768), (761, 39771), (781, 39804), (810, 39870), (838, 39927), (861, 39966),

Gene: Bradshaw_29 Start: 23636, Stop: 22140, Start Num: 145
Candidate Starts for Bradshaw_29:
(Start: 145 @23636 has 32 MA's), (Start: 177 @23615 has 227 MA's), (Start: 181 @23609 has 3 MA's), (Start: 241 @23480 has 1 MA's), (277, 23432), (321, 23345), (363, 23240), (397, 23129), (423, 23069), (426, 23057), (449, 22994), (471, 22964), (495, 22931), (508, 22910), (523, 22880), (531, 22865), (536, 22859), (558, 22811), (571, 22778), (595, 22721), (624, 22682), (627, 22676), (693, 22580), (709, 22547), (718, 22526), (721, 22517), (796, 22355),

Gene: Brataylor_53 Start: 35602, Stop: 37179, Start Num: 142
Candidate Starts for Brataylor_53:
(Start: 96 @35536 has 7 MA's), (Start: 142 @35602 has 24 MA's), (218, 35722), (255, 35812), (269, 35839), (285, 35890), (319, 35971), (321, 35974), (353, 36046), (355, 36055), (356, 36058), (406, 36211), (430, 36268), (432, 36271), (434, 36280), (442, 36304), (571, 36508), (602, 36574), (610, 36589), (624, 36604), (693, 36703), (703, 36727), (709, 36736), (719, 36760), (746, 36832), (834, 37021), (854, 37060), (868, 37084), (877, 37099), (885, 37114),

Gene: Bricole_133 Start: 69404, Stop: 67944, Start Num: 133
Candidate Starts for Bricole_133:
(Start: 106 @69446 has 11 MA's), (128, 69413), (Start: 133 @69404 has 21 MA's), (190, 69332), (233, 69251), (Start: 259 @69209 has 1 MA's), (277, 69185), (313, 69113), (355, 68996), (373, 68933), (407, 68849), (412, 68837), (430, 68795), (435, 68777), (527, 68615), (539, 68594), (559, 68543), (574, 68516), (587, 68489), (663, 68369), (738, 68219), (774, 68141), (794, 68096), (820, 68039),

Gene: Briton15_39 Start: 29603, Stop: 31180, Start Num: 107

Candidate Starts for Briton15_39:
(Start: 103 @29597 has 30 MA's), (Start: 107 @29603 has 3 MA's), (Start: 117 @29609 has 12 MA's), (Start: 119 @29612 has 11 MA's), (Start: 126 @29627 has 4 MA's), (Start: 177 @29678 has 227 MA's), (235, 29795), (Start: 295 @29897 has 1 MA's), (Start: 297 @29903 has 1 MA's), (Start: 360 @30053 has 1 MA's), (363, 30062), (365, 30071), (399, 30179), (410, 30200), (417, 30212), (425, 30236), (438, 30278), (516, 30407), (551, 30467), (574, 30524), (588, 30551), (602, 30578), (604, 30581), (610, 30593), (689, 30701), (703, 30734), (738, 30815), (743, 30830), (847, 31049), (906, 31148), (917, 31172),

Gene: Broseidon_33 Start: 26639, Stop: 25125, Start Num: 171
Candidate Starts for Broseidon_33:
(Start: 136 @26681 has 1 MA's), (Start: 162 @26648 has 16 MA's), (Start: 171 @26639 has 113 MA's), (250, 26477), (277, 26411), (286, 26393), (325, 26318), (335, 26294), (351, 26255), (353, 26252), (380, 26165), (421, 26051), (425, 26039), (513, 25856), (573, 25745), (595, 25694), (682, 25565), (687, 25556), (721, 25481), (724, 25475), (781, 25352), (796, 25313), (878, 25163), (886, 25148),

Gene: Bruiser_32 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for Bruiser_32:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Bruns_36 Start: 29373, Stop: 30860, Start Num: 186
Candidate Starts for Bruns_36:
(Start: 103 @29277 has 30 MA's), (Start: 107 @29283 has 3 MA's), (Start: 117 @29289 has 12 MA's), (Start: 119 @29292 has 11 MA's), (Start: 126 @29307 has 4 MA's), (Start: 177 @29358 has 227 MA's), (Start: 186 @29373 has 10 MA's), (Start: 295 @29577 has 1 MA's), (Start: 297 @29583 has 1 MA's), (303, 29595), (305, 29604), (356, 29721), (Start: 360 @29733 has 1 MA's), (363, 29742), (365, 29751), (399, 29859), (410, 29880), (417, 29892), (425, 29916), (516, 30087), (551, 30147), (574, 30204), (588, 30231), (602, 30258), (610, 30273), (664, 30342), (689, 30381), (703, 30414), (706, 30417), (738, 30495), (743, 30510), (793, 30615), (847, 30729), (906, 30828), (917, 30852),

Gene: BryanRecycles_50 Start: 34372, Stop: 35694, Start Num: 183
Candidate Starts for BryanRecycles_50:
(Start: 176 @34360 has 14 MA's), (Start: 183 @34372 has 17 MA's), (190, 34387), (229, 34474), (Start: 232 @34477 has 1 MA's), (246, 34501), (283, 34552), (303, 34594), (305, 34603), (313, 34615), (352, 34705), (355, 34714), (363, 34738), (402, 34858), (411, 34864), (460, 34954), (483, 34969), (488, 34978), (509, 35011), (557, 35122), (559, 35128), (578, 35176), (590, 35191), (596, 35206), (636, 35266), (643, 35275), (649, 35290), (695, 35368), (717, 35401), (734, 35431), (749, 35479), (789, 35557), (810, 35605), (816, 35614), (825, 35641), (846, 35680),

Gene: Bryce_29 Start: 23611, Stop: 22115, Start Num: 145
Candidate Starts for Bryce_29:
(Start: 145 @23611 has 32 MA's), (Start: 177 @23590 has 227 MA's), (Start: 181 @23584 has 3 MA's), (Start: 241 @23455 has 1 MA's), (277, 23407), (321, 23320), (363, 23215), (397, 23104), (423, 23044), (426, 23032), (449, 22969), (471, 22939), (495, 22906), (508, 22885), (523, 22855), (536, 22834), (557, 22789), (558, 22786), (560, 22780), (595, 22696), (624, 22657), (627, 22651), (709, 22522), (718, 22501), (721, 22492), (796, 22330),

Gene: BubbleTrouble_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for BubbleTrouble_33:

(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Buckaroo_32 Start: 26641, Stop: 25127, Start Num: 171
Candidate Starts for Buckaroo_32:
(Start: 136 @26683 has 1 MA's), (Start: 162 @26650 has 16 MA's), (Start: 171 @26641 has 113 MA's), (250, 26479), (277, 26413), (286, 26395), (325, 26320), (335, 26296), (351, 26257), (353, 26254), (380, 26167), (425, 26041), (430, 26029), (513, 25858), (573, 25747), (595, 25696), (682, 25567), (687, 25558), (721, 25483), (724, 25477), (781, 25354), (796, 25315), (878, 25165), (886, 25150),

Gene: Bumblebee11_33 Start: 26647, Stop: 25133, Start Num: 171
Candidate Starts for Bumblebee11_33:
(Start: 136 @26689 has 1 MA's), (Start: 162 @26656 has 16 MA's), (Start: 171 @26647 has 113 MA's), (250, 26485), (277, 26419), (286, 26401), (325, 26326), (351, 26263), (353, 26260), (380, 26173), (425, 26047), (513, 25864), (551, 25807), (573, 25753), (595, 25702), (682, 25573), (687, 25564), (721, 25489), (724, 25483), (777, 25369), (781, 25360), (796, 25321), (878, 25171), (886, 25156),

Gene: Burger_32 Start: 26646, Stop: 25123, Start Num: 162
Candidate Starts for Burger_32:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Burton_38 Start: 29535, Stop: 31049, Start Num: 177
Candidate Starts for Burton_38:
(Start: 103 @29454 has 30 MA's), (Start: 107 @29460 has 3 MA's), (Start: 117 @29466 has 12 MA's), (Start: 119 @29469 has 11 MA's), (Start: 126 @29484 has 4 MA's), (Start: 177 @29535 has 227 MA's), (Start: 183 @29544 has 17 MA's), (Start: 186 @29550 has 10 MA's), (190, 29559), (Start: 192 @29568 has 1 MA's), (235, 29652), (Start: 241 @29670 has 1 MA's), (Start: 295 @29754 has 1 MA's), (Start: 297 @29760 has 1 MA's), (303, 29772), (305, 29781), (356, 29898), (Start: 360 @29910 has 1 MA's), (363, 29919), (365, 29928), (395, 30024), (399, 30036), (417, 30069), (516, 30264), (551, 30324), (574, 30381), (602, 30435), (604, 30438), (610, 30450), (685, 30552), (689, 30558), (703, 30591), (738, 30672), (743, 30687), (793, 30792), (847, 30906),

Gene: BuzzBuzz_35 Start: 27309, Stop: 25741, Start Num: 171
Candidate Starts for BuzzBuzz_35:
(67, 27459), (73, 27444), (Start: 142 @27345 has 24 MA's), (Start: 171 @27309 has 113 MA's), (294, 27054), (304, 27030), (331, 26970), (351, 26922), (353, 26919), (380, 26832), (386, 26820), (391, 26799), (397, 26775), (425, 26706), (450, 26637), (452, 26628), (513, 26523), (536, 26478), (595, 26346), (650, 26262), (685, 26205), (781, 25998), (842, 25857),

Gene: Bxb1_35 Start: 29491, Stop: 30993, Start Num: 177
Candidate Starts for Bxb1_35:
(Start: 103 @29410 has 30 MA's), (Start: 107 @29416 has 3 MA's), (Start: 117 @29422 has 12 MA's), (Start: 119 @29425 has 11 MA's), (Start: 126 @29440 has 4 MA's), (Start: 177 @29491 has 227 MA's), (Start: 295 @29710 has 1 MA's), (Start: 297 @29716 has 1 MA's), (305, 29737), (Start: 360

@29866 has 1 MA's), (363, 29875), (365, 29884), (399, 29992), (410, 30013), (417, 30025), (425, 30049), (438, 30091), (510, 30205), (516, 30220), (551, 30280), (574, 30337), (588, 30364), (602, 30391), (604, 30394), (610, 30406), (664, 30475), (685, 30508), (689, 30514), (703, 30547), (738, 30628), (743, 30643), (847, 30862), (906, 30961), (917, 30985),

Gene: Bxz2_34 Start: 27316, Stop: 25748, Start Num: 171
Candidate Starts for Bxz2_34:
(67, 27466), (73, 27451), (Start: 142 @27352 has 24 MA's), (Start: 171 @27316 has 113 MA's), (294, 27061), (304, 27037), (331, 26977), (351, 26929), (353, 26926), (380, 26839), (386, 26827), (391, 26806), (397, 26782), (425, 26713), (450, 26644), (452, 26635), (513, 26530), (536, 26485), (595, 26353), (650, 26269), (685, 26212), (781, 26005), (842, 25864),

Gene: CactusRose_35 Start: 28926, Stop: 30428, Start Num: 177
Candidate Starts for CactusRose_35:
(34, 28689), (37, 28692), (42, 28707), (60, 28770), (Start: 131 @28881 has 4 MA's), (Start: 177 @28926 has 227 MA's), (Start: 186 @28941 has 10 MA's), (230, 29034), (Start: 295 @29145 has 1 MA's), (Start: 297 @29151 has 1 MA's), (305, 29172), (356, 29289), (Start: 360 @29301 has 1 MA's), (363, 29310), (365, 29319), (395, 29415), (399, 29427), (417, 29460), (430, 29496), (516, 29655), (551, 29715), (574, 29772), (602, 29826), (604, 29829), (610, 29841), (689, 29949), (703, 29982), (738, 30063), (743, 30078), (793, 30183), (847, 30297), (906, 30396), (917, 30420),

Gene: Caelakin_33 Start: 26646, Stop: 25123, Start Num: 162
Candidate Starts for Caelakin_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Caelum_54 Start: 37075, Stop: 38505, Start Num: 149
Candidate Starts for Caelum_54:
(102, 37003), (Start: 118 @37024 has 3 MA's), (Start: 149 @37075 has 5 MA's), (Start: 157 @37084 has 10 MA's), (277, 37294), (Start: 297 @37321 has 1 MA's), (321, 37372), (330, 37387), (332, 37393), (Start: 360 @37459 has 1 MA's), (402, 37588), (412, 37597), (429, 37636), (483, 37747), (488, 37756), (517, 37807), (541, 37861), (562, 37915), (609, 38005), (659, 38089), (720, 38206), (738, 38242), (761, 38299), (781, 38332), (784, 38341), (810, 38398), (838, 38455),

Gene: Caitlin_30 Start: 25011, Stop: 23509, Start Num: 171
Candidate Starts for Caitlin_30:
(Start: 117 @25080 has 12 MA's), (Start: 136 @25053 has 1 MA's), (Start: 142 @25047 has 24 MA's), (Start: 171 @25011 has 113 MA's), (Start: 241 @24861 has 1 MA's), (294, 24756), (325, 24690), (331, 24672), (351, 24630), (353, 24627), (380, 24540), (391, 24507), (425, 24414), (461, 24321), (489, 24273), (513, 24231), (552, 24171), (595, 24069), (717, 23862), (759, 23757), (781, 23721), (796, 23682), (839, 23598), (871, 23550),

Gene: Caliburn_48 Start: 34183, Stop: 35505, Start Num: 183
Candidate Starts for Caliburn_48:
(Start: 176 @34171 has 14 MA's), (Start: 183 @34183 has 17 MA's), (190, 34198), (229, 34285), (Start: 232 @34288 has 1 MA's), (246, 34312), (283, 34363), (303, 34405), (305, 34414), (313, 34426), (352, 34516), (355, 34525), (363, 34549), (402, 34669), (411, 34675), (460, 34765), (483, 34780), (488, 34789), (509, 34822), (557, 34933), (559, 34939), (578, 34987), (590, 35002), (596, 35017), (636, 35077), (649, 35101), (696, 35182), (717, 35212), (734, 35242), (749, 35290), (789, 35368), (810, 35416), (816, 35425), (825, 35452), (846, 35491),

Gene: CallinAllBarbz_48 Start: 34767, Stop: 36179, Start Num: 177
Candidate Starts for CallinAllBarbz_48:
(Start: 177 @34767 has 227 MA's), (351, 35097), (356, 35109), (362, 35127), (365, 35139), (372, 35166), (374, 35172), (426, 35313), (438, 35349), (510, 35430), (536, 35478), (591, 35577), (624, 35646), (682, 35757), (711, 35814), (717, 35829), (749, 35910), (762, 35928), (808, 36015), (897, 36165),

Gene: Camperdownii_32 Start: 26250, Stop: 24772, Start Num: 189
Candidate Starts for Camperdownii_32:
(Start: 106 @26334 has 11 MA's), (Start: 177 @26268 has 227 MA's), (Start: 189 @26250 has 3 MA's), (214, 26193), (223, 26175), (239, 26145), (Start: 241 @26133 has 1 MA's), (316, 26007), (328, 25986), (344, 25956), (355, 25917), (366, 25878), (396, 25788), (421, 25728), (439, 25674), (523, 25536), (606, 25368), (647, 25305), (693, 25215), (711, 25179), (721, 25152), (742, 25098), (745, 25089), (849, 24879), (859, 24861), (875, 24849), (880, 24840),

Gene: Cappuccino_43 Start: 31421, Stop: 32860, Start Num: 172
Candidate Starts for Cappuccino_43:
(Start: 172 @31421 has 26 MA's), (230, 31532), (235, 31541), (282, 31604), (Start: 295 @31628 has 1 MA's), (298, 31637), (356, 31787), (358, 31796), (408, 31952), (410, 31958), (423, 31985), (444, 32045), (559, 32219), (565, 32234), (629, 32342), (725, 32525), (861, 32789), (867, 32804), (870, 32807),

Gene: CarolAnn_40 Start: 33367, Stop: 34767, Start Num: 172
Candidate Starts for CarolAnn_40:
(Start: 149 @33346 has 5 MA's), (Start: 172 @33367 has 26 MA's), (Start: 179 @33376 has 38 MA's), (235, 33496), (332, 33673), (366, 33766), (368, 33772), (378, 33799), (395, 33853), (438, 33970), (481, 34048), (530, 34147), (540, 34165), (543, 34174), (568, 34225), (578, 34252), (594, 34267), (641, 34333), (643, 34336), (654, 34357), (662, 34369), (663, 34372), (702, 34450), (729, 34507), (764, 34585), (776, 34603), (796, 34648), (800, 34654), (810, 34675), (833, 34729),

Gene: Caron_62 Start: 38824, Stop: 40329, Start Num: 176
Candidate Starts for Caron_62:
(1, 38068), (2, 38149), (8, 38335), (21, 38500), (Start: 136 @38776 has 1 MA's), (Start: 176 @38824 has 14 MA's), (277, 39016), (355, 39187), (454, 39433), (478, 39466), (488, 39481), (540, 39583), (601, 39715), (659, 39820), (914, 40324),

Gene: CartmannCramer_37 Start: 31594, Stop: 33081, Start Num: 186
Candidate Starts for CartmannCramer_37:
(Start: 103 @31498 has 30 MA's), (Start: 107 @31504 has 3 MA's), (Start: 117 @31510 has 12 MA's), (Start: 119 @31513 has 11 MA's), (Start: 126 @31528 has 4 MA's), (Start: 177 @31579 has 227 MA's), (Start: 186 @31594 has 10 MA's), (Start: 295 @31798 has 1 MA's), (Start: 297 @31804 has 1 MA's), (303, 31816), (305, 31825), (Start: 360 @31954 has 1 MA's), (363, 31963), (365, 31972), (399, 32080), (410, 32101), (417, 32113), (425, 32137), (438, 32179), (516, 32308), (526, 32326), (551, 32368), (574, 32425), (588, 32452), (602, 32479), (604, 32482), (610, 32494), (664, 32563), (685, 32596), (689, 32602), (703, 32635), (738, 32716), (743, 32731), (793, 32836), (847, 32950), (906, 33049), (917, 33073),

Gene: Cassia_48 Start: 35110, Stop: 36528, Start Num: 170
Candidate Starts for Cassia_48:
(Start: 152 @35092 has 3 MA's), (Start: 165 @35107 has 1 MA's), (Start: 170 @35110 has 33 MA's), (Start: 177 @35119 has 227 MA's), (Start: 241 @35257 has 1 MA's), (Start: 297 @35341 has 1 MA's), (351, 35452), (356, 35464), (358, 35473), (391, 35572), (403, 35614), (425, 35665), (438, 35704),

(682, 36109), (711, 36166), (718, 36184), (723, 36196), (810, 36370),

Gene: CatBus_39 Start: 30922, Stop: 32409, Start Num: 186
Candidate Starts for CatBus_39:
(Start: 103 @30826 has 30 MA's), (Start: 107 @30832 has 3 MA's), (Start: 117 @30838 has 12 MA's), (Start: 119 @30841 has 11 MA's), (Start: 126 @30856 has 4 MA's), (Start: 177 @30907 has 227 MA's), (Start: 186 @30922 has 10 MA's), (Start: 295 @31126 has 1 MA's), (Start: 297 @31132 has 1 MA's), (305, 31153), (356, 31270), (Start: 360 @31282 has 1 MA's), (363, 31291), (365, 31300), (395, 31396), (399, 31408), (410, 31429), (417, 31441), (425, 31465), (516, 31636), (551, 31696), (574, 31753), (588, 31780), (602, 31807), (610, 31822), (664, 31891), (689, 31930), (703, 31963), (738, 32044), (743, 32059), (793, 32164), (847, 32278), (906, 32377), (917, 32401),

Gene: Caviar_34 Start: 27229, Stop: 25721, Start Num: 177
Candidate Starts for Caviar_34:
(Start: 152 @27244 has 3 MA's), (Start: 177 @27229 has 227 MA's), (Start: 181 @27223 has 3 MA's), (Start: 183 @27220 has 17 MA's), (274, 27052), (277, 27046), (338, 26929), (358, 26869), (395, 26752), (410, 26713), (423, 26686), (426, 26674), (485, 26539), (566, 26386), (608, 26296), (632, 26257), (698, 26167), (717, 26125), (721, 26113), (739, 26068), (746, 26047), (852, 25834), (867, 25813),

Gene: Celery_54 Start: 36669, Stop: 38081, Start Num: 172
Candidate Starts for Celery_54:
(Start: 172 @36669 has 26 MA's), (190, 36699), (Start: 226 @36780 has 1 MA's), (Start: 232 @36789 has 1 MA's), (277, 36855), (283, 36864), (303, 36906), (305, 36915), (313, 36927), (326, 36954), (342, 36987), (355, 37026), (356, 37029), (363, 37050), (411, 37176), (435, 37239), (483, 37350), (492, 37365), (517, 37410), (557, 37503), (559, 37509), (568, 37530), (596, 37587), (643, 37656), (649, 37671), (685, 37734), (723, 37797), (734, 37812), (744, 37845), (749, 37860), (784, 37923), (810, 37986),

Gene: Celeste_51 Start: 35002, Stop: 36645, Start Num: 96
Candidate Starts for Celeste_51:
(Start: 96 @35002 has 7 MA's), (Start: 142 @35068 has 24 MA's), (218, 35188), (261, 35287), (269, 35305), (319, 35437), (321, 35440), (353, 35512), (355, 35521), (356, 35524), (406, 35677), (430, 35734), (432, 35737), (434, 35746), (442, 35770), (492, 35839), (571, 35974), (602, 36040), (624, 36070), (693, 36169), (703, 36193), (709, 36202), (719, 36226), (746, 36298), (834, 36487), (850, 36517), (854, 36526), (868, 36550), (877, 36565), (885, 36580),

Gene: Celestialunch_32 Start: 26328, Stop: 24784, Start Num: 178
Candidate Starts for Celestialunch_32:
(168, 26340), (Start: 178 @26328 has 1 MA's), (224, 26226), (Start: 241 @26187 has 1 MA's), (294, 26082), (304, 26058), (325, 26016), (353, 25944), (355, 25935), (370, 25884), (391, 25824), (430, 25719), (444, 25680), (449, 25665), (450, 25662), (461, 25638), (486, 25596), (498, 25578), (513, 25548), (536, 25530), (550, 25506), (602, 25389), (619, 25359), (682, 25278), (685, 25272), (717, 25206), (721, 25194), (735, 25161), (753, 25113), (771, 25080), (781, 25065), (793, 25035), (796, 25026), (801, 25020), (839, 24933), (850, 24912), (854, 24903), (911, 24816),

Gene: Celia_50 Start: 33292, Stop: 34872, Start Num: 105
Candidate Starts for Celia_50:
(Start: 105 @33292 has 4 MA's), (Start: 114 @33304 has 1 MA's), (Start: 172 @33379 has 26 MA's), (213, 33466), (260, 33556), (288, 33601), (313, 33649), (337, 33709), (Start: 360 @33778 has 1 MA's), (382, 33844), (473, 34075), (492, 34108), (506, 34129), (541, 34207), (636, 34399), (652, 34429), (666, 34453), (667, 34459), (725, 34582), (761, 34663), (828, 34807),

Gene: Cen1621_56 Start: 37861, Stop: 39441, Start Num: 140
Candidate Starts for Cen1621_56:
(Start: 140 @37861 has 2 MA's), (239, 38014), (282, 38071), (324, 38158), (355, 38272), (369, 38320), (370, 38323), (381, 38353), (438, 38518), (505, 38638), (511, 38650), (629, 38890), (675, 38965), (765, 39169), (822, 39283), (863, 39349), (867, 39358),

Gene: CentreCat_33 Start: 26640, Stop: 25126, Start Num: 171
Candidate Starts for CentreCat_33:
(Start: 136 @26682 has 1 MA's), (Start: 162 @26649 has 16 MA's), (Start: 171 @26640 has 113 MA's), (250, 26478), (277, 26412), (286, 26394), (325, 26319), (335, 26295), (351, 26256), (353, 26253), (380, 26166), (421, 26052), (425, 26040), (513, 25857), (573, 25746), (595, 25695), (682, 25566), (687, 25557), (721, 25482), (724, 25476), (781, 25353), (796, 25314), (878, 25164), (886, 25149),

Gene: Chadwick_32 Start: 25311, Stop: 23830, Start Num: 177
Candidate Starts for Chadwick_32:
(Start: 134 @25338 has 6 MA's), (Start: 177 @25311 has 227 MA's), (Start: 193 @25275 has 3 MA's), (Start: 241 @25176 has 1 MA's), (Start: 297 @25092 has 1 MA's), (316, 25050), (329, 25026), (344, 24999), (355, 24960), (363, 24936), (410, 24792), (562, 24498), (583, 24453), (595, 24423), (610, 24399), (624, 24384), (670, 24324), (693, 24273), (698, 24264), (721, 24210), (735, 24177), (763, 24111), (777, 24096), (796, 24048), (859, 23919), (913, 23841),

Gene: Chanagan_36 Start: 28977, Stop: 30479, Start Num: 177
Candidate Starts for Chanagan_36:
(Start: 93 @28887 has 2 MA's), (Start: 131 @28932 has 4 MA's), (Start: 177 @28977 has 227 MA's), (Start: 186 @28992 has 10 MA's), (250, 29124), (Start: 295 @29196 has 1 MA's), (Start: 297 @29202 has 1 MA's), (Start: 360 @29352 has 1 MA's), (363, 29361), (365, 29370), (399, 29478), (410, 29499), (417, 29511), (425, 29535), (438, 29577), (516, 29706), (551, 29766), (574, 29823), (588, 29850), (602, 29877), (610, 29892), (664, 29961), (685, 29994), (689, 30000), (703, 30033), (738, 30114), (743, 30129), (793, 30234), (847, 30348), (906, 30447), (917, 30471),

Gene: Chaph_33 Start: 26648, Stop: 25134, Start Num: 171
Candidate Starts for Chaph_33:
(Start: 136 @26690 has 1 MA's), (Start: 162 @26657 has 16 MA's), (Start: 171 @26648 has 113 MA's), (250, 26486), (277, 26420), (286, 26402), (325, 26327), (335, 26303), (351, 26264), (353, 26261), (380, 26174), (421, 26060), (425, 26048), (513, 25865), (573, 25754), (595, 25703), (682, 25574), (687, 25565), (721, 25490), (724, 25484), (781, 25361), (796, 25322), (878, 25172), (886, 25157),

Gene: Chargerpower_35 Start: 26253, Stop: 24691, Start Num: 177
Candidate Starts for Chargerpower_35:
(Start: 177 @26253 has 227 MA's), (Start: 241 @26118 has 1 MA's), (358, 25890), (409, 25737), (410, 25734), (421, 25710), (430, 25686), (444, 25647), (450, 25629), (523, 25518), (536, 25497), (595, 25365), (597, 25362), (602, 25356), (610, 25341), (617, 25323), (748, 25056), (763, 25029), (788, 24984), (791, 24978), (796, 24966), (822, 24909), (842, 24867), (849, 24855), (854, 24843), (859, 24837), (896, 24786),

Gene: Charm_33 Start: 26356, Stop: 24809, Start Num: 176
Candidate Starts for Charm_33:
(98, 26449), (137, 26401), (Start: 154 @26380 has 5 MA's), (Start: 162 @26371 has 16 MA's), (Start: 176 @26356 has 14 MA's), (190, 26326), (294, 26107), (328, 26035), (353, 25969), (355, 25960), (362, 25939), (370, 25909), (395, 25831), (396, 25828), (436, 25723), (449, 25690), (489, 25615), (513, 25573), (536, 25555), (550, 25531), (602, 25414), (619, 25384), (682, 25303), (717, 25231), (721,

25219), (771, 25105), (781, 25090), (807, 25027), (810, 25021), (822, 24994), (839, 24958), (840, 24955), (850, 24937), (883, 24886),

Gene: CheeseSpider_42 Start: 30163, Stop: 31554, Start Num: 179
Candidate Starts for CheeseSpider_42:
(Start: 179 @30163 has 38 MA's), (199, 30205), (Start: 206 @30220 has 9 MA's), (Start: 295 @30376 has 1 MA's), (332, 30460), (375, 30577), (378, 30586), (395, 30640), (430, 30730), (438, 30757), (481, 30835), (515, 30898), (530, 30934), (543, 30961), (568, 31012), (578, 31039), (594, 31054), (654, 31144), (662, 31156), (663, 31159), (729, 31294), (758, 31363), (764, 31372), (800, 31441), (833, 31516),

Gene: Chucky_50 Start: 36208, Stop: 37821, Start Num: 142
Candidate Starts for Chucky_50:
(Start: 96 @36142 has 7 MA's), (Start: 134 @36199 has 6 MA's), (Start: 142 @36208 has 24 MA's), (218, 36355), (261, 36454), (269, 36472), (285, 36523), (319, 36604), (321, 36607), (353, 36679), (355, 36688), (356, 36691), (395, 36817), (406, 36844), (434, 36913), (450, 36958), (502, 37027), (521, 37054), (552, 37102), (571, 37150), (591, 37189), (602, 37216), (624, 37246), (703, 37369), (731, 37429), (746, 37474), (808, 37603), (830, 37654), (834, 37663), (854, 37702), (868, 37726), (877, 37741), (885, 37756), (895, 37771),

Gene: Chupacabra_33 Start: 26669, Stop: 25161, Start Num: 177
Candidate Starts for Chupacabra_33:
(Start: 177 @26669 has 227 MA's), (Start: 189 @26651 has 3 MA's), (190, 26645), (233, 26558), (Start: 241 @26534 has 1 MA's), (338, 26369), (395, 26192), (410, 26153), (417, 26141), (421, 26129), (423, 26126), (426, 26114), (550, 25868), (558, 25847), (624, 25718), (632, 25697), (699, 25604), (711, 25580), (717, 25565), (739, 25508), (746, 25487),

Gene: Ciao_37 Start: 29363, Stop: 30862, Start Num: 186
Candidate Starts for Ciao_37:
(Start: 103 @29267 has 30 MA's), (Start: 107 @29273 has 3 MA's), (Start: 117 @29279 has 12 MA's), (Start: 119 @29282 has 11 MA's), (Start: 126 @29297 has 4 MA's), (Start: 177 @29348 has 227 MA's), (Start: 186 @29363 has 10 MA's), (Start: 295 @29567 has 1 MA's), (Start: 297 @29573 has 1 MA's), (305, 29594), (356, 29711), (Start: 360 @29723 has 1 MA's), (363, 29732), (365, 29741), (399, 29849), (410, 29870), (417, 29882), (425, 29906), (438, 29948), (516, 30077), (551, 30137), (574, 30194), (588, 30221), (602, 30248), (604, 30251), (610, 30263), (664, 30332), (685, 30365), (689, 30371), (703, 30404), (738, 30485), (743, 30500), (793, 30605), (847, 30719),

Gene: Cici_33 Start: 26641, Stop: 25127, Start Num: 171
Candidate Starts for Cici_33:
(Start: 136 @26683 has 1 MA's), (Start: 162 @26650 has 16 MA's), (Start: 171 @26641 has 113 MA's), (250, 26479), (277, 26413), (286, 26395), (325, 26320), (351, 26257), (353, 26254), (380, 26167), (425, 26041), (513, 25858), (551, 25801), (573, 25747), (595, 25696), (682, 25567), (687, 25558), (721, 25483), (724, 25477), (777, 25363), (781, 25354), (796, 25315), (878, 25165), (886, 25150),

Gene: Cindaradix_32 Start: 26384, Stop: 24879, Start Num: 154
Candidate Starts for Cindaradix_32:
(28, 26615), (34, 26597), (38, 26588), (Start: 106 @26441 has 11 MA's), (Start: 154 @26384 has 5 MA's), (Start: 177 @26375 has 227 MA's), (Start: 189 @26357 has 3 MA's), (214, 26300), (223, 26282), (239, 26252), (Start: 241 @26240 has 1 MA's), (316, 26114), (328, 26093), (344, 26063), (355, 26024), (396, 25895), (421, 25835), (439, 25781), (523, 25643), (557, 25580), (647, 25412), (650, 25409), (711, 25286), (721, 25259), (742, 25205), (745, 25196), (849, 24986), (859, 24968), (875, 24956), (880, 24947),

Gene: Cintron_33 Start: 26703, Stop: 25171, Start Num: 171
Candidate Starts for Cintron_33:
(Start: 136 @26745 has 1 MA's), (Start: 162 @26712 has 16 MA's), (Start: 171 @26703 has 113 MA's), (250, 26541), (277, 26475), (286, 26457), (325, 26382), (335, 26358), (351, 26319), (353, 26316), (380, 26229), (425, 26103), (430, 26091), (513, 25920), (573, 25809), (595, 25758), (653, 25659), (682, 25611), (687, 25602), (721, 25527), (724, 25521), (781, 25398), (796, 25359), (878, 25209), (886, 25194),

Gene: Citius_33 Start: 26652, Stop: 25138, Start Num: 171
Candidate Starts for Citius_33:
(Start: 136 @26694 has 1 MA's), (Start: 162 @26661 has 16 MA's), (Start: 171 @26652 has 113 MA's), (250, 26490), (277, 26424), (286, 26406), (325, 26331), (335, 26307), (351, 26268), (353, 26265), (380, 26178), (421, 26064), (425, 26052), (513, 25869), (573, 25758), (595, 25707), (682, 25578), (687, 25569), (721, 25494), (724, 25488), (781, 25365), (796, 25326), (878, 25176), (886, 25161),

Gene: Clarenza_33 Start: 26634, Stop: 25120, Start Num: 171
Candidate Starts for Clarenza_33:
(Start: 136 @26676 has 1 MA's), (Start: 162 @26643 has 16 MA's), (Start: 171 @26634 has 113 MA's), (250, 26472), (277, 26406), (286, 26388), (325, 26313), (335, 26289), (351, 26250), (353, 26247), (380, 26160), (421, 26046), (425, 26034), (513, 25851), (573, 25740), (595, 25689), (682, 25560), (687, 25551), (721, 25476), (724, 25470), (781, 25347), (796, 25308), (878, 25158), (886, 25143),

Gene: Cocoaberry_33 Start: 26641, Stop: 25127, Start Num: 171
Candidate Starts for Cocoaberry_33:
(Start: 136 @26683 has 1 MA's), (Start: 162 @26650 has 16 MA's), (Start: 171 @26641 has 113 MA's), (250, 26479), (277, 26413), (286, 26395), (325, 26320), (335, 26296), (351, 26257), (353, 26254), (380, 26167), (421, 26053), (425, 26041), (513, 25858), (573, 25747), (595, 25696), (682, 25567), (687, 25558), (721, 25483), (724, 25477), (781, 25354), (796, 25315), (878, 25165), (886, 25150),

Gene: Collard_38 Start: 31381, Stop: 32826, Start Num: 166
Candidate Starts for Collard_38:
(31, 31129), (55, 31192), (75, 31246), (130, 31333), (Start: 166 @31381 has 7 MA's), (Start: 206 @31456 has 9 MA's), (211, 31468), (277, 31579), (279, 31582), (296, 31615), (305, 31639), (336, 31702), (363, 31777), (472, 32053), (578, 32275), (584, 32287), (622, 32335), (636, 32365), (645, 32386), (662, 32410), (736, 32563), (772, 32644), (777, 32650), (782, 32662), (796, 32698), (800, 32704), (810, 32725), (817, 32740), (819, 32746), (839, 32794), (845, 32803),

Gene: Community_53 Start: 37437, Stop: 38921, Start Num: 156
Candidate Starts for Community_53:
(Start: 156 @37437 has 1 MA's), (Start: 164 @37446 has 4 MA's), (345, 37767), (433, 38046), (523, 38220), (634, 38412), (749, 38649), (838, 38811),

Gene: Conan_52 Start: 36624, Stop: 38183, Start Num: 105
Candidate Starts for Conan_52:
(78, 36582), (Start: 105 @36624 has 4 MA's), (213, 36798), (277, 36909), (321, 36999), (337, 37041), (356, 37098), (Start: 360 @37110 has 1 MA's), (408, 37248), (449, 37359), (475, 37410), (506, 37461), (541, 37539), (652, 37761), (663, 37779), (666, 37785), (677, 37809), (708, 37878), (733, 37929), (751, 37983), (760, 37995), (774, 38019), (811, 38097), (828, 38142), (835, 38154),

Gene: ConceptII_39 Start: 30495, Stop: 32009, Start Num: 177
Candidate Starts for ConceptII_39:
(Start: 103 @30414 has 30 MA's), (Start: 107 @30420 has 3 MA's), (Start: 117 @30426 has 12 MA's), (Start: 119 @30429 has 11 MA's), (Start: 126 @30444 has 4 MA's), (Start: 177 @30495 has 227 MA's), (Start: 297 @30720 has 1 MA's), (Start: 360 @30870 has 1 MA's), (363, 30879), (365, 30888), (399, 30996), (410, 31017), (417, 31029), (425, 31053), (438, 31095), (516, 31224), (551, 31284), (574, 31341), (588, 31368), (602, 31395), (610, 31410), (685, 31512), (689, 31518), (703, 31551), (706, 31554), (738, 31632), (743, 31647), (793, 31752), (847, 31866),

Gene: Connomayer_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for Connomayer_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Conspiracy_30 Start: 25686, Stop: 24193, Start Num: 177
Candidate Starts for Conspiracy_30:
(Start: 177 @25686 has 227 MA's), (Start: 192 @25653 has 1 MA's), (Start: 193 @25650 has 3 MA's), (Start: 206 @25632 has 9 MA's), (Start: 241 @25551 has 1 MA's), (326, 25407), (340, 25380), (356, 25332), (410, 25167), (421, 25143), (423, 25140), (430, 25119), (536, 24930), (624, 24759), (698, 24624), (717, 24582), (721, 24570), (754, 24486), (763, 24471), (777, 24456), (859, 24279), (887, 24249), (907, 24216),

Gene: Coog_30 Start: 25790, Stop: 24333, Start Num: 193
Candidate Starts for Coog_30:
(Start: 177 @25826 has 227 MA's), (Start: 192 @25793 has 1 MA's), (Start: 193 @25790 has 3 MA's), (Start: 206 @25772 has 9 MA's), (Start: 241 @25691 has 1 MA's), (326, 25547), (340, 25520), (356, 25472), (410, 25307), (421, 25283), (423, 25280), (430, 25259), (450, 25202), (536, 25070), (602, 24929), (624, 24899), (717, 24722), (721, 24710), (754, 24626), (763, 24611), (777, 24596), (859, 24419), (887, 24389), (907, 24356),

Gene: Corvo_38 Start: 30261, Stop: 31844, Start Num: 103
Candidate Starts for Corvo_38:
(Start: 103 @30261 has 30 MA's), (Start: 107 @30267 has 3 MA's), (Start: 117 @30273 has 12 MA's), (Start: 119 @30276 has 11 MA's), (Start: 126 @30291 has 4 MA's), (Start: 177 @30342 has 227 MA's), (Start: 186 @30357 has 10 MA's), (190, 30366), (Start: 295 @30561 has 1 MA's), (Start: 297 @30567 has 1 MA's), (303, 30579), (305, 30588), (Start: 360 @30717 has 1 MA's), (363, 30726), (365, 30735), (399, 30843), (410, 30864), (417, 30876), (425, 30900), (516, 31071), (551, 31131), (574, 31188), (602, 31242), (604, 31245), (610, 31257), (689, 31365), (703, 31398), (721, 31437), (738, 31479), (743, 31494), (847, 31713), (906, 31812), (917, 31836),

Gene: CosmicSans_29 Start: 23636, Stop: 22140, Start Num: 145
Candidate Starts for CosmicSans_29:
(Start: 145 @23636 has 32 MA's), (Start: 177 @23615 has 227 MA's), (Start: 181 @23609 has 3 MA's), (Start: 241 @23480 has 1 MA's), (277, 23432), (363, 23240), (397, 23129), (423, 23069), (426, 23057), (449, 22994), (471, 22964), (495, 22931), (508, 22910), (523, 22880), (531, 22865), (536, 22859), (558, 22811), (571, 22778), (595, 22721), (624, 22682), (627, 22676), (693, 22580), (709, 22547), (718, 22526), (721, 22517), (796, 22355),

Gene: Crewmate_55 Start: 36855, Stop: 38273, Start Num: 170
Candidate Starts for Crewmate_55:

(Start: 152 @36837 has 3 MA's), (Start: 165 @36852 has 1 MA's), (Start: 170 @36855 has 33 MA's), (Start: 177 @36864 has 227 MA's), (233, 36978), (Start: 241 @37002 has 1 MA's), (255, 37023), (Start: 297 @37086 has 1 MA's), (318, 37134), (351, 37197), (356, 37209), (391, 37317), (403, 37359), (425, 37410), (438, 37449), (682, 37854), (718, 37929), (723, 37941), (769, 38034), (808, 38112), (861, 38202),

Gene: Crispicous1_36 Start: 28941, Stop: 30443, Start Num: 177
Candidate Starts for Crispicous1_36:
(Start: 103 @28860 has 30 MA's), (Start: 107 @28866 has 3 MA's), (Start: 117 @28872 has 12 MA's), (Start: 119 @28875 has 11 MA's), (Start: 126 @28890 has 4 MA's), (Start: 177 @28941 has 227 MA's), (230, 29049), (Start: 295 @29160 has 1 MA's), (Start: 297 @29166 has 1 MA's), (323, 29220), (356, 29304), (Start: 360 @29316 has 1 MA's), (363, 29325), (365, 29334), (399, 29442), (410, 29463), (417, 29475), (425, 29499), (438, 29541), (516, 29670), (551, 29730), (574, 29787), (588, 29814), (602, 29841), (604, 29844), (610, 29856), (664, 29925), (685, 29958), (689, 29964), (703, 29997), (738, 30078), (743, 30093), (847, 30312), (906, 30411), (917, 30435),

Gene: Cuco_30 Start: 25776, Stop: 24283, Start Num: 177
Candidate Starts for Cuco_30:
(Start: 177 @25776 has 227 MA's), (Start: 192 @25743 has 1 MA's), (Start: 193 @25740 has 3 MA's), (Start: 206 @25722 has 9 MA's), (Start: 241 @25641 has 1 MA's), (326, 25497), (340, 25470), (356, 25422), (410, 25257), (421, 25233), (423, 25230), (430, 25209), (536, 25020), (602, 24879), (624, 24849), (717, 24672), (721, 24660), (754, 24576), (763, 24561), (777, 24546), (859, 24369), (887, 24339), (907, 24306),

Gene: Cueylyss_37 Start: 29520, Stop: 31019, Start Num: 177
Candidate Starts for Cueylyss_37:
(Start: 131 @29475 has 4 MA's), (Start: 177 @29520 has 227 MA's), (Start: 186 @29535 has 10 MA's), (190, 29544), (250, 29667), (Start: 295 @29739 has 1 MA's), (Start: 297 @29745 has 1 MA's), (323, 29799), (Start: 360 @29895 has 1 MA's), (363, 29904), (365, 29913), (399, 30021), (410, 30042), (417, 30054), (425, 30078), (438, 30120), (516, 30249), (551, 30309), (574, 30366), (588, 30393), (602, 30420), (604, 30423), (610, 30435), (685, 30534), (703, 30573), (738, 30654), (743, 30669), (793, 30774), (847, 30888), (906, 30987), (917, 31011),

Gene: Cumberbatch_30 Start: 22964, Stop: 21345, Start Num: 212
Candidate Starts for Cumberbatch_30:
(Start: 212 @22964 has 5 MA's), (291, 22760), (Start: 297 @22742 has 1 MA's), (367, 22538), (422, 22355), (439, 22304), (476, 22238), (482, 22229), (552, 22088), (561, 22064), (584, 22010), (615, 21944), (667, 21839), (681, 21803), (725, 21716), (744, 21662), (792, 21560), (823, 21491), (833, 21467), (839, 21455), (882, 21404),

Gene: Curiosium_43 Start: 31007, Stop: 32419, Start Num: 171
Candidate Starts for Curiosium_43:
(Start: 163 @30998 has 1 MA's), (Start: 171 @31007 has 113 MA's), (Start: 183 @31028 has 17 MA's), (216, 31100), (243, 31157), (277, 31199), (279, 31202), (Start: 295 @31232 has 1 MA's), (Start: 297 @31238 has 1 MA's), (331, 31310), (373, 31433), (402, 31511), (423, 31541), (438, 31589), (483, 31658), (488, 31667), (506, 31694), (512, 31709), (530, 31748), (531, 31751), (546, 31778), (556, 31805), (579, 31859), (585, 31871), (589, 31877), (604, 31901), (654, 31994), (662, 32006), (663, 32009), (667, 32018), (677, 32036), (705, 32093), (707, 32096), (741, 32168), (746, 32183), (796, 32285), (819, 32330), (820, 32333), (860, 32414),

Gene: CurlyFries_42 Start: 31973, Stop: 33400, Start Num: 175
Candidate Starts for CurlyFries_42:

(57, 31793), (61, 31802), (68, 31817), (69, 31823), (Start: 109 @31886 has 1 MA's), (Start: 175 @31973 has 2 MA's), (Start: 179 @31979 has 38 MA's), (190, 32003), (Start: 206 @32036 has 9 MA's), (230, 32090), (235, 32099), (332, 32279), (356, 32336), (391, 32444), (405, 32489), (477, 32651), (487, 32669), (488, 32672), (619, 32918), (662, 32999), (691, 33059), (729, 33140), (796, 33281), (801, 33290), (812, 33314), (826, 33350),

Gene: Cyan_50 Start: 35259, Stop: 36668, Start Num: 177
Candidate Starts for Cyan_50:
(Start: 177 @35259 has 227 MA's), (233, 35373), (Start: 241 @35397 has 1 MA's), (Start: 297 @35481 has 1 MA's), (351, 35592), (356, 35604), (358, 35613), (391, 35712), (425, 35805), (430, 35817), (559, 36003), (711, 36306), (718, 36324), (723, 36336), (738, 36369), (808, 36507),

Gene: DD5_38 Start: 30268, Stop: 31770, Start Num: 177
Candidate Starts for DD5_38:
(Start: 103 @30187 has 30 MA's), (Start: 107 @30193 has 3 MA's), (Start: 117 @30199 has 12 MA's), (Start: 119 @30202 has 11 MA's), (Start: 126 @30217 has 4 MA's), (Start: 177 @30268 has 227 MA's), (Start: 183 @30277 has 17 MA's), (Start: 186 @30283 has 10 MA's), (190, 30292), (Start: 295 @30487 has 1 MA's), (Start: 297 @30493 has 1 MA's), (305, 30514), (356, 30631), (Start: 360 @30643 has 1 MA's), (363, 30652), (365, 30661), (399, 30769), (410, 30790), (417, 30802), (425, 30826), (438, 30868), (516, 30997), (551, 31057), (574, 31114), (602, 31168), (610, 31183), (685, 31285), (689, 31291), (738, 31405), (743, 31420), (847, 31639), (906, 31738), (917, 31762),

Gene: DaRealMyers_29 Start: 24708, Stop: 23053, Start Num: 205
Candidate Starts for DaRealMyers_29:
(Start: 205 @24708 has 12 MA's), (291, 24489), (364, 24282), (386, 24222), (437, 24042), (514, 23898), (532, 23859), (534, 23856), (584, 23727), (627, 23643), (654, 23589), (739, 23391), (744, 23376), (785, 23292), (817, 23223), (833, 23181), (848, 23154), (873, 23109), (885, 23085),

Gene: Dadosky_39 Start: 31274, Stop: 32719, Start Num: 166
Candidate Starts for Dadosky_39:
(59, 31103), (75, 31139), (130, 31226), (Start: 166 @31274 has 7 MA's), (Start: 206 @31349 has 9 MA's), (211, 31361), (277, 31472), (279, 31475), (296, 31508), (305, 31532), (336, 31595), (363, 31670), (472, 31946), (578, 32168), (584, 32180), (622, 32228), (636, 32258), (645, 32279), (662, 32303), (736, 32456), (772, 32537), (777, 32543), (782, 32555), (796, 32591), (800, 32597), (808, 32615), (810, 32618), (817, 32633), (819, 32639), (839, 32687), (845, 32696),

Gene: Daishi_35 Start: 26150, Stop: 24582, Start Num: 171
Candidate Starts for Daishi_35:
(67, 26300), (73, 26285), (Start: 142 @26186 has 24 MA's), (Start: 171 @26150 has 113 MA's), (294, 25895), (304, 25871), (331, 25811), (351, 25763), (353, 25760), (380, 25673), (386, 25661), (391, 25640), (397, 25616), (425, 25547), (450, 25478), (452, 25469), (513, 25364), (536, 25319), (595, 25187), (650, 25103), (685, 25046), (781, 24839), (842, 24698),

Gene: Danforth_29 Start: 24993, Stop: 23491, Start Num: 171
Candidate Starts for Danforth_29:
(Start: 117 @25062 has 12 MA's), (Start: 136 @25035 has 1 MA's), (Start: 142 @25029 has 24 MA's), (Start: 171 @24993 has 113 MA's), (Start: 241 @24843 has 1 MA's), (294, 24738), (325, 24672), (331, 24654), (351, 24612), (353, 24609), (380, 24522), (425, 24396), (461, 24303), (489, 24255), (513, 24213), (552, 24153), (595, 24051), (682, 23916), (717, 23844), (759, 23739), (777, 23712), (781, 23703), (839, 23580), (871, 23532),

Gene: Danzina_52 Start: 35300, Stop: 36943, Start Num: 96
Candidate Starts for Danzina_52:

(Start: 96 @35300 has 7 MA's), (Start: 142 @35366 has 24 MA's), (218, 35486), (255, 35576), (269, 35603), (285, 35654), (319, 35735), (321, 35738), (353, 35810), (355, 35819), (356, 35822), (406, 35975), (430, 36032), (432, 36035), (434, 36044), (442, 36068), (492, 36137), (571, 36272), (602, 36338), (610, 36353), (624, 36368), (693, 36467), (703, 36491), (709, 36500), (719, 36524), (746, 36596), (834, 36785), (850, 36815), (854, 36824), (868, 36848), (877, 36863), (885, 36878),

Gene: Darolandstone_29 Start: 24567, Stop: 22855, Start Num: 205
Candidate Starts for Darolandstone_29:
(Start: 205 @24567 has 12 MA's), (236, 24492), (291, 24351), (303, 24318), (308, 24303), (355, 24174), (358, 24162), (361, 24156), (421, 23952), (439, 23895), (448, 23874), (449, 23871), (455, 23859), (469, 23838), (598, 23559), (627, 23505), (654, 23451), (667, 23424), (669, 23421), (691, 23370), (738, 23262), (740, 23256), (744, 23244), (761, 23205), (785, 23160), (812, 23103), (823, 23073), (848, 23022), (882, 22968), (885, 22959), (904, 22929),

Gene: DarthPhader_36 Start: 28430, Stop: 26865, Start Num: 177
Candidate Starts for DarthPhader_36:
(Start: 177 @28430 has 227 MA's), (190, 28406), (Start: 241 @28295 has 1 MA's), (250, 28283), (321, 28160), (409, 27911), (421, 27884), (430, 27860), (444, 27821), (450, 27803), (491, 27749), (523, 27692), (571, 27593), (583, 27569), (597, 27536), (602, 27530), (610, 27515), (614, 27509), (617, 27497), (721, 27302), (739, 27257), (763, 27203), (796, 27140), (822, 27083), (842, 27041), (891, 26969), (896, 26960), (909, 26939), (922, 26876),

Gene: Dattran_52 Start: 35171, Stop: 36814, Start Num: 96
Candidate Starts for Dattran_52:
(Start: 96 @35171 has 7 MA's), (Start: 142 @35237 has 24 MA's), (218, 35357), (261, 35456), (269, 35474), (285, 35525), (319, 35606), (321, 35609), (353, 35681), (355, 35690), (356, 35693), (430, 35903), (432, 35906), (434, 35915), (571, 36143), (602, 36209), (624, 36239), (693, 36338), (703, 36362), (709, 36371), (719, 36395), (746, 36467), (834, 36656), (850, 36686), (854, 36695), (868, 36719), (877, 36734), (885, 36749),

Gene: Datway_33 Start: 26665, Stop: 25142, Start Num: 162
Candidate Starts for Datway_33:
(Start: 136 @26698 has 1 MA's), (Start: 162 @26665 has 16 MA's), (Start: 171 @26656 has 113 MA's), (Start: 192 @26611 has 1 MA's), (250, 26494), (277, 26428), (286, 26410), (325, 26335), (351, 26272), (353, 26269), (380, 26182), (425, 26056), (513, 25873), (551, 25816), (573, 25762), (595, 25711), (682, 25582), (687, 25573), (721, 25498), (724, 25492), (777, 25378), (781, 25369), (796, 25330), (878, 25180), (886, 25165),

Gene: Daudau_52 Start: 37034, Stop: 38455, Start Num: 157
Candidate Starts for Daudau_52:
(102, 36953), (Start: 118 @36974 has 3 MA's), (Start: 149 @37025 has 5 MA's), (Start: 157 @37034 has 10 MA's), (Start: 297 @37271 has 1 MA's), (Start: 360 @37409 has 1 MA's), (402, 37538), (429, 37586), (483, 37697), (488, 37706), (506, 37733), (515, 37754), (517, 37757), (533, 37796), (541, 37811), (609, 37955), (659, 38039), (720, 38156), (738, 38192), (760, 38246), (761, 38249), (810, 38348), (838, 38405), (841, 38411),

Gene: Deano_33 Start: 26645, Stop: 25131, Start Num: 171
Candidate Starts for Deano_33:
(Start: 136 @26687 has 1 MA's), (Start: 162 @26654 has 16 MA's), (Start: 171 @26645 has 113 MA's), (250, 26483), (277, 26417), (286, 26399), (325, 26324), (335, 26300), (351, 26261), (353, 26258), (380, 26171), (421, 26057), (425, 26045), (513, 25862), (573, 25751), (595, 25700), (682, 25571), (687, 25562), (721, 25487), (724, 25481), (781, 25358), (796, 25319), (878, 25169), (886, 25154),

Gene: Dexers_50 Start: 36616, Stop: 38022, Start Num: 172
Candidate Starts for Dexers_50:
(Start: 152 @36595 has 3 MA's), (Start: 172 @36616 has 26 MA's), (190, 36646), (283, 36811), (290, 36829), (303, 36853), (305, 36862), (313, 36874), (352, 36964), (355, 36973), (356, 36976), (363, 36997), (412, 37126), (435, 37186), (483, 37297), (517, 37357), (573, 37489), (578, 37504), (644, 37606), (698, 37702), (734, 37759), (770, 37843), (778, 37858), (784, 37870), (819, 37951), (842, 38002),

Gene: Dexes_37 Start: 29719, Stop: 31221, Start Num: 177
Candidate Starts for Dexes_37:
(33, 29482), (36, 29485), (41, 29500), (59, 29563), (Start: 103 @29638 has 30 MA's), (Start: 107 @29644 has 3 MA's), (Start: 117 @29650 has 12 MA's), (Start: 119 @29653 has 11 MA's), (Start: 126 @29668 has 4 MA's), (Start: 177 @29719 has 227 MA's), (Start: 297 @29944 has 1 MA's), (305, 29965), (338, 30028), (Start: 360 @30094 has 1 MA's), (363, 30103), (365, 30112), (399, 30220), (410, 30241), (417, 30253), (425, 30277), (438, 30319), (516, 30448), (551, 30508), (574, 30565), (588, 30592), (602, 30619), (604, 30622), (610, 30634), (685, 30736), (689, 30742), (703, 30775), (738, 30856), (743, 30871), (847, 31090), (906, 31189), (917, 31213),

Gene: Dhanush_33 Start: 26640, Stop: 25126, Start Num: 171
Candidate Starts for Dhanush_33:
(Start: 136 @26682 has 1 MA's), (Start: 162 @26649 has 16 MA's), (Start: 171 @26640 has 113 MA's), (250, 26478), (277, 26412), (286, 26394), (325, 26319), (335, 26295), (351, 26256), (353, 26253), (380, 26166), (421, 26052), (425, 26040), (513, 25857), (573, 25746), (595, 25695), (682, 25566), (687, 25557), (721, 25482), (724, 25476), (781, 25353), (796, 25314), (878, 25164), (886, 25149),

Gene: Diminimus_131 Start: 69072, Stop: 67612, Start Num: 133
Candidate Starts for Diminimus_131:
(Start: 106 @69114 has 11 MA's), (128, 69081), (Start: 133 @69072 has 21 MA's), (190, 69000), (233, 68919), (Start: 259 @68877 has 1 MA's), (277, 68853), (313, 68781), (355, 68664), (373, 68601), (407, 68517), (412, 68505), (430, 68463), (435, 68445), (527, 68283), (539, 68262), (559, 68211), (574, 68184), (587, 68157), (663, 68037), (738, 67887), (774, 67809), (794, 67764), (820, 67707),

Gene: Dinger_29 Start: 23598, Stop: 22111, Start Num: 177
Candidate Starts for Dinger_29:
(Start: 177 @23598 has 227 MA's), (Start: 181 @23592 has 3 MA's), (Start: 241 @23463 has 1 MA's), (277, 23415), (363, 23223), (373, 23184), (397, 23112), (423, 23052), (426, 23040), (471, 22947), (495, 22914), (508, 22893), (516, 22875), (523, 22863), (531, 22848), (536, 22842), (558, 22794), (571, 22761), (595, 22704), (624, 22665), (627, 22659), (718, 22509), (784, 22368), (796, 22338), (913, 22122),

Gene: DirtDevil_39 Start: 30730, Stop: 32217, Start Num: 186
Candidate Starts for DirtDevil_39:
(Start: 103 @30634 has 30 MA's), (Start: 107 @30640 has 3 MA's), (Start: 117 @30646 has 12 MA's), (Start: 119 @30649 has 11 MA's), (Start: 126 @30664 has 4 MA's), (Start: 177 @30715 has 227 MA's), (Start: 186 @30730 has 10 MA's), (Start: 295 @30934 has 1 MA's), (Start: 297 @30940 has 1 MA's), (305, 30961), (356, 31078), (Start: 360 @31090 has 1 MA's), (363, 31099), (365, 31108), (395, 31204), (399, 31216), (410, 31237), (417, 31249), (425, 31273), (516, 31444), (551, 31504), (574, 31561), (588, 31588), (602, 31615), (610, 31630), (664, 31699), (689, 31738), (703, 31771), (738, 31852), (743, 31867), (793, 31972), (847, 32086), (906, 32185), (917, 32209),

Gene: DirtyDunning_33 Start: 26700, Stop: 25138, Start Num: 106

Candidate Starts for DirtyDunning_33:
(Start: 106 @26700 has 11 MA's), (Start: 177 @26634 has 227 MA's), (Start: 189 @26616 has 3 MA's), (214, 26559), (223, 26541), (239, 26511), (Start: 241 @26499 has 1 MA's), (316, 26373), (328, 26352), (344, 26322), (355, 26283), (366, 26244), (396, 26154), (421, 26094), (439, 26040), (523, 25902), (647, 25671), (693, 25581), (711, 25545), (721, 25518), (742, 25464), (745, 25455), (849, 25245), (859, 25227), (875, 25215), (880, 25206),

Gene: Discoknowium_30 Start: 25895, Stop: 24402, Start Num: 177
Candidate Starts for Discoknowium_30:
(Start: 177 @25895 has 227 MA's), (Start: 192 @25862 has 1 MA's), (Start: 193 @25859 has 3 MA's), (Start: 206 @25841 has 9 MA's), (Start: 241 @25760 has 1 MA's), (326, 25616), (340, 25589), (356, 25541), (410, 25376), (421, 25352), (423, 25349), (430, 25328), (536, 25139), (624, 24968), (698, 24833), (717, 24791), (721, 24779), (754, 24695), (763, 24680), (777, 24665), (859, 24488), (887, 24458), (907, 24425),

Gene: Dixon_30 Start: 25012, Stop: 23510, Start Num: 171
Candidate Starts for Dixon_30:
(Start: 117 @25081 has 12 MA's), (Start: 136 @25054 has 1 MA's), (Start: 142 @25048 has 24 MA's), (Start: 171 @25012 has 113 MA's), (Start: 241 @24862 has 1 MA's), (294, 24757), (325, 24691), (331, 24673), (351, 24631), (353, 24628), (380, 24541), (425, 24415), (461, 24322), (489, 24274), (513, 24232), (552, 24172), (595, 24070), (682, 23935), (717, 23863), (759, 23758), (781, 23722), (796, 23683), (839, 23599), (871, 23551),

Gene: Donkey_43 Start: 31411, Stop: 32850, Start Num: 172
Candidate Starts for Donkey_43:
(Start: 172 @31411 has 26 MA's), (230, 31522), (235, 31531), (282, 31594), (Start: 295 @31618 has 1 MA's), (298, 31627), (356, 31777), (358, 31786), (408, 31942), (410, 31948), (423, 31975), (444, 32035), (559, 32209), (565, 32224), (629, 32332), (725, 32515), (861, 32779), (867, 32794), (870, 32797),

Gene: DontArgue_32 Start: 25416, Stop: 23920, Start Num: 177
Candidate Starts for DontArgue_32:
(115, 25482), (Start: 154 @25425 has 5 MA's), (Start: 177 @25416 has 227 MA's), (Start: 189 @25398 has 3 MA's), (233, 25305), (Start: 241 @25281 has 1 MA's), (Start: 297 @25197 has 1 MA's), (316, 25155), (329, 25131), (344, 25104), (355, 25065), (396, 24936), (421, 24876), (439, 24822), (523, 24684), (692, 24366), (711, 24327), (721, 24300), (737, 24261), (742, 24246), (745, 24237), (840, 24042), (852, 24021), (854, 24015), (859, 24009), (875, 23997), (880, 23988), (887, 23976), (915, 23925),

Gene: Doom_37 Start: 29713, Stop: 31212, Start Num: 177
Candidate Starts for Doom_37:
(Start: 103 @29632 has 30 MA's), (Start: 107 @29638 has 3 MA's), (Start: 117 @29644 has 12 MA's), (Start: 119 @29647 has 11 MA's), (Start: 126 @29662 has 4 MA's), (Start: 177 @29713 has 227 MA's), (Start: 186 @29728 has 10 MA's), (230, 29821), (Start: 295 @29932 has 1 MA's), (Start: 297 @29938 has 1 MA's), (305, 29959), (Start: 360 @30088 has 1 MA's), (363, 30097), (365, 30106), (399, 30214), (410, 30235), (417, 30247), (425, 30271), (438, 30313), (516, 30442), (551, 30502), (574, 30559), (588, 30586), (602, 30613), (604, 30616), (610, 30628), (685, 30727), (703, 30766), (706, 30769), (738, 30847), (743, 30862), (847, 31081), (906, 31180), (917, 31204),

Gene: DoubleChamp_38 Start: 31456, Stop: 32826, Start Num: 206
Candidate Starts for DoubleChamp_38:
(31, 31129), (55, 31192), (75, 31246), (130, 31333), (Start: 166 @31381 has 7 MA's), (Start: 206 @31456 has 9 MA's), (211, 31468), (277, 31579), (279, 31582), (296, 31615), (305, 31639), (336,

31702), (363, 31777), (472, 32053), (578, 32275), (584, 32287), (622, 32335), (636, 32365), (645, 32386), (662, 32410), (736, 32563), (772, 32644), (777, 32650), (782, 32662), (796, 32698), (800, 32704), (810, 32725), (817, 32740), (819, 32746), (839, 32794), (845, 32803),

Gene: DrFeelGood_36 Start: 29804, Stop: 31306, Start Num: 177
Candidate Starts for DrFeelGood_36:
(Start: 103 @29723 has 30 MA's), (Start: 107 @29729 has 3 MA's), (Start: 117 @29735 has 12 MA's), (Start: 119 @29738 has 11 MA's), (Start: 126 @29753 has 4 MA's), (Start: 177 @29804 has 227 MA's), (230, 29912), (Start: 295 @30023 has 1 MA's), (Start: 297 @30029 has 1 MA's), (323, 30083), (356, 30167), (Start: 360 @30179 has 1 MA's), (363, 30188), (365, 30197), (399, 30305), (410, 30326), (417, 30338), (425, 30362), (438, 30404), (516, 30533), (551, 30593), (574, 30650), (588, 30677), (602, 30704), (604, 30707), (610, 30719), (664, 30788), (685, 30821), (689, 30827), (703, 30860), (738, 30941), (743, 30956), (847, 31175), (906, 31274), (917, 31298),

Gene: DrManhattan_52 Start: 34287, Stop: 35705, Start Num: 170
Candidate Starts for DrManhattan_52:
(Start: 152 @34269 has 3 MA's), (Start: 165 @34284 has 1 MA's), (Start: 170 @34287 has 33 MA's), (Start: 177 @34296 has 227 MA's), (Start: 189 @34314 has 3 MA's), (Start: 241 @34434 has 1 MA's), (Start: 297 @34518 has 1 MA's), (318, 34566), (351, 34629), (356, 34641), (391, 34749), (425, 34842), (568, 35061), (709, 35340), (718, 35361), (808, 35544),

Gene: DrSierra_48 Start: 34086, Stop: 35504, Start Num: 170
Candidate Starts for DrSierra_48:
(Start: 152 @34068 has 3 MA's), (Start: 165 @34083 has 1 MA's), (Start: 170 @34086 has 33 MA's), (Start: 177 @34095 has 227 MA's), (Start: 189 @34113 has 3 MA's), (233, 34209), (Start: 241 @34233 has 1 MA's), (Start: 297 @34317 has 1 MA's), (298, 34320), (318, 34365), (351, 34428), (356, 34440), (358, 34449), (391, 34548), (425, 34641), (438, 34680), (677, 35070), (718, 35160), (723, 35172), (808, 35343),

Gene: Drake94_32 Start: 23843, Stop: 25489, Start Num: 174
Candidate Starts for Drake94_32:
(130, 23795), (Start: 158 @23834 has 3 MA's), (Start: 174 @23843 has 3 MA's), (Start: 183 @23861 has 17 MA's), (Start: 192 @23885 has 1 MA's), (230, 23960), (235, 23969), (Start: 241 @23987 has 1 MA's), (Start: 295 @24071 has 1 MA's), (296, 24074), (313, 24110), (355, 24212), (363, 24236), (365, 24245), (395, 24341), (410, 24377), (426, 24416), (430, 24425), (432, 24428), (497, 24545), (510, 24566), (516, 24581), (523, 24593), (550, 24641), (568, 24686), (602, 24758), (621, 24782), (689, 24902), (698, 24920), (699, 24923), (701, 24926), (755, 25061), (847, 25250), (902, 25343), (917, 25373), (919, 25397), (923, 25445), (924, 25463),

Gene: DreamCatcher_40 Start: 30683, Stop: 32266, Start Num: 103
Candidate Starts for DreamCatcher_40:
(Start: 103 @30683 has 30 MA's), (Start: 107 @30689 has 3 MA's), (Start: 117 @30695 has 12 MA's), (Start: 119 @30698 has 11 MA's), (Start: 126 @30713 has 4 MA's), (Start: 177 @30764 has 227 MA's), (235, 30881), (Start: 295 @30983 has 1 MA's), (Start: 297 @30989 has 1 MA's), (305, 31010), (356, 31127), (Start: 360 @31139 has 1 MA's), (363, 31148), (365, 31157), (399, 31265), (410, 31286), (417, 31298), (425, 31322), (438, 31364), (516, 31493), (551, 31553), (574, 31610), (588, 31637), (602, 31664), (604, 31667), (610, 31679), (664, 31748), (685, 31781), (689, 31787), (703, 31820), (738, 31901), (743, 31916), (793, 32021), (847, 32135), (906, 32234), (917, 32258),

Gene: DreamTeam1_33 Start: 26239, Stop: 24692, Start Num: 176
Candidate Starts for DreamTeam1_33:
(98, 26332), (137, 26284), (Start: 154 @26263 has 5 MA's), (Start: 162 @26254 has 16 MA's), (Start: 176 @26239 has 14 MA's), (190, 26209), (251, 26080), (294, 25990), (328, 25918), (353, 25852), (355,

25843), (362, 25822), (370, 25792), (395, 25714), (396, 25711), (436, 25606), (449, 25573), (489, 25498), (513, 25456), (536, 25438), (550, 25414), (602, 25297), (619, 25267), (682, 25186), (717, 25114), (721, 25102), (771, 24988), (781, 24973), (810, 24904), (839, 24841), (840, 24838), (850, 24820), (883, 24769),

Gene: Dreamboat_38 Start: 29353, Stop: 30855, Start Num: 177
Candidate Starts for Dreamboat_38:
(Start: 103 @29272 has 30 MA's), (Start: 107 @29278 has 3 MA's), (Start: 117 @29284 has 12 MA's), (Start: 119 @29287 has 11 MA's), (Start: 126 @29302 has 4 MA's), (Start: 177 @29353 has 227 MA's), (Start: 186 @29368 has 10 MA's), (235, 29470), (Start: 241 @29488 has 1 MA's), (250, 29500), (Start: 295 @29572 has 1 MA's), (Start: 297 @29578 has 1 MA's), (303, 29590), (305, 29599), (356, 29716), (Start: 360 @29728 has 1 MA's), (363, 29737), (365, 29746), (395, 29842), (399, 29854), (410, 29875), (417, 29887), (425, 29911), (438, 29953), (516, 30082), (551, 30142), (574, 30199), (602, 30253), (610, 30268), (685, 30370), (689, 30376), (703, 30409), (706, 30412), (721, 30448), (734, 30475), (743, 30505), (847, 30724), (906, 30823), (917, 30847),

Gene: DroogsArmy_34 Start: 29062, Stop: 27602, Start Num: 177
Candidate Starts for DroogsArmy_34:
(65, 29215), (127, 29110), (Start: 139 @29095 has 1 MA's), (Start: 177 @29062 has 227 MA's), (Start: 181 @29056 has 3 MA's), (Start: 189 @29044 has 3 MA's), (190, 29038), (240, 28933), (Start: 241 @28927 has 1 MA's), (268, 28891), (323, 28789), (340, 28756), (353, 28720), (363, 28687), (426, 28507), (510, 28357), (533, 28312), (602, 28168), (631, 28120), (698, 28039), (702, 28027), (706, 28021), (721, 27985), (742, 27931), (754, 27901), (913, 27613),

Gene: Druantia_33 Start: 26640, Stop: 25126, Start Num: 171
Candidate Starts for Druantia_33:
(Start: 136 @26682 has 1 MA's), (Start: 162 @26649 has 16 MA's), (Start: 171 @26640 has 113 MA's), (250, 26478), (277, 26412), (286, 26394), (325, 26319), (335, 26295), (351, 26256), (353, 26253), (380, 26166), (421, 26052), (425, 26040), (513, 25857), (573, 25746), (595, 25695), (682, 25566), (687, 25557), (721, 25482), (724, 25476), (781, 25353), (796, 25314), (878, 25164), (886, 25149),

Gene: Dublin_29 Start: 25745, Stop: 24252, Start Num: 177
Candidate Starts for Dublin_29:
(Start: 177 @25745 has 227 MA's), (Start: 192 @25712 has 1 MA's), (Start: 193 @25709 has 3 MA's), (Start: 206 @25691 has 9 MA's), (Start: 241 @25610 has 1 MA's), (326, 25466), (340, 25439), (356, 25391), (410, 25226), (421, 25202), (423, 25199), (430, 25178), (450, 25121), (536, 24989), (602, 24848), (624, 24818), (717, 24641), (721, 24629), (754, 24545), (763, 24530), (777, 24515), (859, 24338), (887, 24308), (907, 24275),

Gene: Dubu_44 Start: 35625, Stop: 37253, Start Num: 94
Candidate Starts for Dubu_44:
(Start: 94 @35625 has 1 MA's), (Start: 140 @35694 has 2 MA's), (210, 35805), (211, 35808), (327, 36018), (328, 36021), (397, 36255), (433, 36366), (518, 36486), (581, 36603), (630, 36696), (685, 36798), (691, 36807), (716, 36858), (737, 36909), (738, 36912), (749, 36945), (819, 37065), (832, 37092), (861, 37134), (862, 37137), (863, 37140), (891, 37188),

Gene: Dulcie_36 Start: 29273, Stop: 30550, Start Num: 297
Candidate Starts for Dulcie_36:
(Start: 103 @28967 has 30 MA's), (Start: 107 @28973 has 3 MA's), (Start: 117 @28979 has 12 MA's), (Start: 119 @28982 has 11 MA's), (Start: 126 @28997 has 4 MA's), (Start: 177 @29048 has 227 MA's), (Start: 186 @29063 has 10 MA's), (190, 29072), (Start: 295 @29267 has 1 MA's), (Start: 297 @29273 has 1 MA's), (356, 29411), (Start: 360 @29423 has 1 MA's), (363, 29432), (365, 29441), (399,

29549), (410, 29570), (417, 29582), (425, 29606), (438, 29648), (516, 29777), (551, 29837), (574, 29894), (588, 29921), (602, 29948), (604, 29951), (610, 29963), (689, 30071), (703, 30104), (738, 30185), (743, 30200), (793, 30305), (796, 30314), (847, 30419), (906, 30518), (917, 30542),

Gene: Dulcita_131 Start: 69073, Stop: 67613, Start Num: 133
Candidate Starts for Dulcita_131:
(Start: 106 @69115 has 11 MA's), (128, 69082), (Start: 133 @69073 has 21 MA's), (190, 69001), (233, 68920), (Start: 259 @68878 has 1 MA's), (277, 68854), (313, 68782), (355, 68665), (373, 68602), (407, 68518), (412, 68506), (430, 68464), (435, 68446), (527, 68284), (539, 68263), (559, 68212), (574, 68185), (587, 68158), (663, 68038), (738, 67888), (774, 67810), (794, 67765), (820, 67708),

Gene: Dussy_38 Start: 29615, Stop: 31129, Start Num: 177
Candidate Starts for Dussy_38:
(Start: 103 @29534 has 30 MA's), (Start: 107 @29540 has 3 MA's), (Start: 117 @29546 has 12 MA's), (Start: 119 @29549 has 11 MA's), (Start: 126 @29564 has 4 MA's), (Start: 177 @29615 has 227 MA's), (Start: 184 @29627 has 3 MA's), (Start: 297 @29840 has 1 MA's), (303, 29852), (305, 29861), (323, 29894), (Start: 360 @29990 has 1 MA's), (363, 29999), (365, 30008), (399, 30116), (410, 30137), (417, 30149), (425, 30173), (438, 30215), (516, 30344), (551, 30404), (574, 30461), (588, 30488), (602, 30515), (604, 30518), (610, 30530), (664, 30599), (689, 30638), (703, 30671), (738, 30752), (743, 30767), (847, 30986),

Gene: DustyMartin_38 Start: 26956, Stop: 25430, Start Num: 177
Candidate Starts for DustyMartin_38:
(Start: 152 @26971 has 3 MA's), (Start: 177 @26956 has 227 MA's), (Start: 241 @26821 has 1 MA's), (410, 26440), (423, 26413), (426, 26401), (542, 26161), (558, 26134), (591, 26062), (608, 26023), (632, 25984), (692, 25906), (711, 25867), (717, 25852), (739, 25795), (746, 25774), (793, 25687), (840, 25582), (852, 25561), (854, 25555), (899, 25486),

Gene: Dwayne_50 Start: 36196, Stop: 37809, Start Num: 142
Candidate Starts for Dwayne_50:
(Start: 96 @36130 has 7 MA's), (Start: 134 @36187 has 6 MA's), (Start: 142 @36196 has 24 MA's), (218, 36343), (261, 36442), (269, 36460), (285, 36511), (319, 36592), (321, 36595), (353, 36667), (355, 36676), (356, 36679), (395, 36805), (406, 36832), (434, 36901), (450, 36946), (502, 37015), (521, 37042), (552, 37090), (571, 37138), (591, 37177), (602, 37204), (624, 37234), (703, 37357), (731, 37417), (746, 37462), (808, 37591), (830, 37642), (834, 37651), (854, 37690), (868, 37714), (877, 37729), (885, 37744), (895, 37759),

Gene: Dynamix_38 Start: 29367, Stop: 30950, Start Num: 103
Candidate Starts for Dynamix_38:
(Start: 103 @29367 has 30 MA's), (Start: 107 @29373 has 3 MA's), (Start: 117 @29379 has 12 MA's), (Start: 119 @29382 has 11 MA's), (Start: 126 @29397 has 4 MA's), (Start: 177 @29448 has 227 MA's), (Start: 186 @29463 has 10 MA's), (Start: 295 @29667 has 1 MA's), (Start: 297 @29673 has 1 MA's), (356, 29811), (Start: 360 @29823 has 1 MA's), (363, 29832), (365, 29841), (366, 29847), (395, 29937), (399, 29949), (417, 29982), (503, 30150), (516, 30177), (551, 30237), (574, 30294), (588, 30321), (602, 30348), (610, 30363), (664, 30432), (689, 30471), (703, 30504), (734, 30570), (743, 30600), (774, 30663), (793, 30705), (801, 30720), (847, 30819), (906, 30918), (917, 30942),

Gene: ELB20_52 Start: 37707, Stop: 38996, Start Num: 226
Candidate Starts for ELB20_52:
(Start: 157 @37578 has 10 MA's), (160, 37581), (Start: 226 @37707 has 1 MA's), (229, 37713), (235, 37722), (277, 37785), (310, 37842), (321, 37863), (340, 37893), (341, 37896), (Start: 360 @37950 has 1 MA's), (402, 38079), (412, 38088), (429, 38127), (438, 38157), (483, 38238), (488, 38247), (517, 38298), (541, 38352), (659, 38580), (698, 38649), (738, 38733), (761, 38790), (781, 38823), (784,

38832), (810, 38889), (838, 38946), (841, 38952), (861, 38985),

Gene: Eaglepride_35 Start: 26850, Stop: 25342, Start Num: 177
Candidate Starts for Eaglepride_35:
(Start: 177 @26850 has 227 MA's), (Start: 181 @26844 has 3 MA's), (190, 26826), (Start: 241 @26715 has 1 MA's), (338, 26550), (395, 26373), (410, 26334), (417, 26322), (421, 26310), (423, 26307), (426, 26295), (542, 26055), (550, 26049), (558, 26028), (576, 25983), (632, 25878), (692, 25800), (699, 25785), (711, 25761), (717, 25746), (739, 25689), (746, 25668), (784, 25602), (852, 25455), (899, 25380),

Gene: Eapen_33 Start: 26635, Stop: 25121, Start Num: 171
Candidate Starts for Eapen_33:
(Start: 136 @26677 has 1 MA's), (Start: 162 @26644 has 16 MA's), (Start: 171 @26635 has 113 MA's), (250, 26473), (277, 26407), (286, 26389), (325, 26314), (335, 26290), (351, 26251), (353, 26248), (380, 26161), (421, 26047), (425, 26035), (513, 25852), (573, 25741), (595, 25690), (682, 25561), (687, 25552), (721, 25477), (724, 25471), (781, 25348), (796, 25309), (878, 25159), (886, 25144),

Gene: Eastland_29 Start: 22937, Stop: 21357, Start Num: 221
Candidate Starts for Eastland_29:
(Start: 221 @22937 has 6 MA's), (237, 22892), (291, 22757), (Start: 297 @22739 has 1 MA's), (482, 22226), (584, 21998), (649, 21869), (654, 21863), (669, 21833), (732, 21701), (744, 21662), (755, 21635), (785, 21578), (813, 21518), (817, 21509), (839, 21455), (847, 21443), (848, 21440), (872, 21410), (877, 21401), (885, 21386),

Gene: Eddasa_50 Start: 34372, Stop: 35694, Start Num: 183
Candidate Starts for Eddasa_50:
(Start: 176 @34360 has 14 MA's), (Start: 183 @34372 has 17 MA's), (190, 34387), (229, 34474), (Start: 232 @34477 has 1 MA's), (246, 34501), (283, 34552), (303, 34594), (305, 34603), (313, 34615), (352, 34705), (355, 34714), (363, 34738), (402, 34858), (411, 34864), (460, 34954), (483, 34969), (488, 34978), (509, 35011), (557, 35122), (559, 35128), (578, 35176), (590, 35191), (596, 35206), (636, 35266), (643, 35275), (649, 35290), (695, 35368), (717, 35401), (734, 35431), (749, 35479), (789, 35557), (810, 35605), (816, 35614), (825, 35641), (846, 35680),

Gene: Edison31_34 Start: 26880, Stop: 25372, Start Num: 177
Candidate Starts for Edison31_34:
(Start: 177 @26880 has 227 MA's), (Start: 181 @26874 has 3 MA's), (Start: 189 @26862 has 3 MA's), (190, 26856), (233, 26769), (Start: 241 @26745 has 1 MA's), (338, 26580), (395, 26403), (410, 26364), (417, 26352), (421, 26340), (423, 26337), (426, 26325), (550, 26079), (558, 26058), (632, 25908), (692, 25830), (699, 25815), (711, 25791), (717, 25776), (739, 25719), (746, 25698), (867, 25464),

Gene: Edtherson_38 Start: 30287, Stop: 31789, Start Num: 177
Candidate Starts for Edtherson_38:
(Start: 103 @30206 has 30 MA's), (Start: 107 @30212 has 3 MA's), (Start: 117 @30218 has 12 MA's), (Start: 119 @30221 has 11 MA's), (Start: 126 @30236 has 4 MA's), (Start: 177 @30287 has 227 MA's), (Start: 186 @30302 has 10 MA's), (Start: 295 @30506 has 1 MA's), (Start: 297 @30512 has 1 MA's), (305, 30533), (Start: 360 @30662 has 1 MA's), (363, 30671), (365, 30680), (399, 30788), (410, 30809), (417, 30821), (425, 30845), (438, 30887), (516, 31016), (551, 31076), (574, 31133), (588, 31160), (602, 31187), (610, 31202), (664, 31271), (689, 31310), (703, 31343), (738, 31424), (743, 31439), (793, 31544), (847, 31658), (906, 31757), (917, 31781),

Gene: Edugator_39 Start: 31774, Stop: 33144, Start Num: 206
Candidate Starts for Edugator_39:

(31, 31447), (59, 31528), (75, 31564), (130, 31651), (Start: 166 @31699 has 7 MA's), (Start: 206 @31774 has 9 MA's), (211, 31786), (277, 31897), (279, 31900), (296, 31933), (305, 31957), (336, 32020), (363, 32095), (472, 32371), (578, 32593), (584, 32605), (622, 32653), (636, 32683), (645, 32704), (736, 32881), (772, 32962), (777, 32968), (782, 32980), (796, 33016), (800, 33022), (808, 33040), (810, 33043), (817, 33058), (819, 33064), (839, 33112), (845, 33121),

Gene: Ejemplo_49 Start: 36125, Stop: 37747, Start Num: 134
Candidate Starts for Ejemplo_49:
(Start: 96 @36068 has 7 MA's), (Start: 134 @36125 has 6 MA's), (Start: 142 @36134 has 24 MA's), (218, 36281), (261, 36380), (269, 36398), (285, 36449), (319, 36530), (321, 36533), (353, 36605), (355, 36614), (356, 36617), (395, 36743), (406, 36770), (434, 36839), (450, 36884), (502, 36953), (521, 36980), (552, 37028), (571, 37076), (591, 37115), (624, 37172), (703, 37295), (731, 37355), (746, 37400), (808, 37529), (830, 37580), (834, 37589), (854, 37628), (868, 37652), (877, 37667), (885, 37682), (895, 37697),

Gene: Eklok_30 Start: 22952, Stop: 21372, Start Num: 221
Candidate Starts for Eklok_30:
(Start: 221 @22952 has 6 MA's), (237, 22907), (291, 22772), (Start: 297 @22754 has 1 MA's), (482, 22241), (584, 22013), (649, 21884), (654, 21878), (669, 21848), (732, 21716), (744, 21677), (755, 21650), (785, 21593), (813, 21533), (817, 21524), (839, 21470), (847, 21458), (848, 21455), (872, 21425), (877, 21416), (885, 21401),

Gene: ElGato_52 Start: 36418, Stop: 38001, Start Num: 207
Candidate Starts for ElGato_52:
(Start: 207 @36418 has 2 MA's), (230, 36472), (235, 36481), (237, 36493), (248, 36523), (267, 36565), (273, 36580), (276, 36592), (322, 36709), (357, 36817), (Start: 360 @36826 has 1 MA's), (380, 36889), (428, 37024), (447, 37081), (469, 37123), (482, 37144), (543, 37237), (596, 37360), (604, 37369), (608, 37378), (636, 37441), (667, 37501), (713, 37588), (740, 37648), (755, 37681), (770, 37705), (817, 37813), (825, 37837), (827, 37843), (839, 37867), (849, 37885), (864, 37918), (888, 37960),

Gene: ElTiger69_31 Start: 25415, Stop: 23934, Start Num: 177
Candidate Starts for ElTiger69_31:
(Start: 134 @25442 has 6 MA's), (Start: 177 @25415 has 227 MA's), (Start: 193 @25379 has 3 MA's), (Start: 241 @25280 has 1 MA's), (268, 25244), (Start: 297 @25196 has 1 MA's), (316, 25154), (329, 25130), (344, 25103), (355, 25064), (363, 25040), (366, 25025), (410, 24896), (562, 24602), (570, 24584), (583, 24557), (595, 24527), (610, 24503), (624, 24488), (670, 24428), (693, 24377), (698, 24368), (721, 24314), (735, 24281), (763, 24215), (796, 24152), (859, 24023), (913, 23945),

Gene: Elezi_48 Start: 35958, Stop: 37379, Start Num: 170
Candidate Starts for Elezi_48:
(Start: 152 @35940 has 3 MA's), (Start: 165 @35955 has 1 MA's), (Start: 170 @35958 has 33 MA's), (Start: 177 @35967 has 227 MA's), (233, 36081), (Start: 241 @36105 has 1 MA's), (Start: 297 @36189 has 1 MA's), (312, 36222), (318, 36237), (351, 36300), (356, 36312), (358, 36321), (391, 36420), (403, 36462), (425, 36513), (438, 36552), (510, 36630), (523, 36657), (711, 37017), (716, 37026), (718, 37035), (723, 37047), (808, 37218), (859, 37305),

Gene: Elfy_51 Start: 33960, Stop: 35375, Start Num: 177
Candidate Starts for Elfy_51:
(Start: 177 @33960 has 227 MA's), (Start: 314 @34215 has 1 MA's), (328, 34245), (351, 34290), (356, 34302), (362, 34320), (365, 34332), (372, 34359), (374, 34365), (377, 34371), (423, 34494), (430, 34515), (438, 34542), (440, 34548), (449, 34569), (568, 34722), (573, 34734), (624, 34839), (627, 34845), (650, 34887), (701, 34986), (718, 35025), (734, 35055), (735, 35061), (738, 35070), (749, 35103), (797, 35184), (808, 35208), (810, 35211), (862, 35307), (900, 35367),

Gene: Emaanora_53 Start: 36119, Stop: 37732, Start Num: 142
Candidate Starts for Emaanora_53:
(Start: 96 @36053 has 7 MA's), (Start: 134 @36110 has 6 MA's), (Start: 142 @36119 has 24 MA's), (218, 36266), (261, 36365), (269, 36383), (285, 36434), (319, 36515), (321, 36518), (353, 36590), (355, 36599), (356, 36602), (395, 36728), (406, 36755), (434, 36824), (450, 36869), (502, 36938), (521, 36965), (552, 37013), (571, 37061), (591, 37100), (602, 37127), (624, 37157), (703, 37280), (731, 37340), (746, 37385), (808, 37514), (830, 37565), (834, 37574), (854, 37613), (868, 37637), (877, 37652), (885, 37667), (895, 37682),

Gene: EnochSoames_52 Start: 34356, Stop: 35690, Start Num: 176
Candidate Starts for EnochSoames_52:
(Start: 176 @34356 has 14 MA's), (Start: 183 @34368 has 17 MA's), (190, 34383), (229, 34470), (Start: 232 @34473 has 1 MA's), (246, 34497), (277, 34539), (283, 34548), (303, 34590), (305, 34599), (313, 34611), (352, 34701), (355, 34710), (363, 34734), (402, 34854), (411, 34860), (460, 34950), (483, 34965), (488, 34974), (509, 35007), (557, 35118), (559, 35124), (578, 35172), (590, 35187), (596, 35202), (636, 35262), (643, 35271), (695, 35364), (717, 35397), (734, 35427), (749, 35475), (789, 35553), (810, 35601), (816, 35610), (825, 35637), (846, 35676),

Gene: Eraser_48 Start: 35968, Stop: 37389, Start Num: 170
Candidate Starts for Eraser_48:
(Start: 152 @35950 has 3 MA's), (Start: 165 @35965 has 1 MA's), (Start: 170 @35968 has 33 MA's), (Start: 177 @35977 has 227 MA's), (233, 36091), (Start: 241 @36115 has 1 MA's), (Start: 297 @36199 has 1 MA's), (312, 36232), (318, 36247), (351, 36310), (356, 36322), (358, 36331), (391, 36430), (403, 36472), (425, 36523), (438, 36562), (510, 36640), (523, 36667), (711, 37027), (716, 37036), (718, 37045), (723, 37057), (808, 37228), (859, 37315),

Gene: Erik_29 Start: 23479, Stop: 22139, Start Num: 241
Candidate Starts for Erik_29:
(Start: 241 @23479 has 1 MA's), (277, 23431), (363, 23239), (397, 23128), (423, 23068), (426, 23056), (449, 22993), (471, 22963), (495, 22930), (508, 22909), (523, 22879), (531, 22864), (536, 22858), (558, 22810), (571, 22777), (595, 22720), (624, 22681), (627, 22675), (693, 22579), (709, 22546), (718, 22525), (721, 22516), (796, 22354),

Gene: Eris_32 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for Eris_32:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Eros_33 Start: 26648, Stop: 25125, Start Num: 162
Candidate Starts for Eros_33:
(Start: 136 @26681 has 1 MA's), (Start: 162 @26648 has 16 MA's), (Start: 171 @26639 has 113 MA's), (250, 26477), (277, 26411), (286, 26393), (325, 26318), (335, 26294), (351, 26255), (353, 26252), (380, 26165), (421, 26051), (425, 26039), (513, 25856), (573, 25745), (595, 25694), (682, 25565), (687, 25556), (721, 25481), (724, 25475), (781, 25352), (796, 25313), (878, 25163), (886, 25148),

Gene: Esperer_49 Start: 33895, Stop: 35217, Start Num: 183
Candidate Starts for Esperer_49:

(Start: 176 @33883 has 14 MA's), (Start: 183 @33895 has 17 MA's), (190, 33910), (229, 33997), (Start: 232 @34000 has 1 MA's), (246, 34024), (277, 34066), (283, 34075), (303, 34117), (305, 34126), (313, 34138), (352, 34228), (355, 34237), (363, 34261), (402, 34381), (411, 34387), (460, 34477), (483, 34492), (488, 34501), (509, 34534), (557, 34645), (559, 34651), (578, 34699), (590, 34714), (596, 34729), (636, 34789), (649, 34813), (696, 34894), (717, 34924), (734, 34954), (749, 35002), (789, 35080), (810, 35128), (816, 35137), (825, 35164), (846, 35203),

Gene: Espica_29 Start: 23636, Stop: 22140, Start Num: 145
Candidate Starts for Espica_29:
(Start: 145 @23636 has 32 MA's), (Start: 177 @23615 has 227 MA's), (Start: 181 @23609 has 3 MA's), (Start: 241 @23480 has 1 MA's), (277, 23432), (321, 23345), (363, 23240), (397, 23129), (409, 23099), (423, 23069), (426, 23057), (449, 22994), (471, 22964), (495, 22931), (508, 22910), (523, 22880), (531, 22865), (536, 22859), (558, 22811), (571, 22778), (595, 22721), (624, 22682), (627, 22676), (693, 22580), (709, 22547), (718, 22526), (721, 22517), (796, 22355),

Gene: Espresso_37 Start: 29637, Stop: 31136, Start Num: 177
Candidate Starts for Espresso_37:
(Start: 103 @29556 has 30 MA's), (Start: 107 @29562 has 3 MA's), (Start: 117 @29568 has 12 MA's), (Start: 119 @29571 has 11 MA's), (Start: 126 @29586 has 4 MA's), (Start: 177 @29637 has 227 MA's), (Start: 186 @29652 has 10 MA's), (190, 29661), (Start: 297 @29862 has 1 MA's), (303, 29874), (Start: 360 @30012 has 1 MA's), (363, 30021), (365, 30030), (366, 30036), (399, 30138), (410, 30159), (417, 30171), (425, 30195), (516, 30366), (551, 30426), (574, 30483), (602, 30537), (604, 30540), (610, 30552), (703, 30690), (721, 30729), (734, 30756), (743, 30786), (793, 30891), (847, 31005), (906, 31104), (917, 31128),

Gene: Estes_146 Start: 70719, Stop: 69265, Start Num: 133
Candidate Starts for Estes_146:
(30, 70932), (47, 70887), (63, 70836), (Start: 106 @70761 has 11 MA's), (128, 70728), (Start: 133 @70719 has 21 MA's), (Start: 181 @70665 has 3 MA's), (190, 70647), (228, 70572), (313, 70428), (355, 70311), (373, 70248), (412, 70158), (430, 70116), (543, 69903), (559, 69864), (574, 69837), (587, 69810), (641, 69729), (658, 69699), (662, 69693), (663, 69690), (738, 69540), (745, 69519), (774, 69462), (820, 69360), (838, 69318), (841, 69312),

Gene: EtoileNova_34 Start: 27227, Stop: 25725, Start Num: 181
Candidate Starts for EtoileNova_34:
(Start: 152 @27248 has 3 MA's), (Start: 177 @27233 has 227 MA's), (Start: 181 @27227 has 3 MA's), (Start: 183 @27224 has 17 MA's), (274, 27056), (277, 27050), (338, 26933), (358, 26873), (395, 26756), (410, 26717), (423, 26690), (426, 26678), (485, 26543), (566, 26390), (608, 26300), (632, 26261), (698, 26171), (717, 26129), (721, 26117), (739, 26072), (746, 26051), (852, 25838), (867, 25817),

Gene: Euphoria_37 Start: 29484, Stop: 30986, Start Num: 177
Candidate Starts for Euphoria_37:
(Start: 103 @29403 has 30 MA's), (Start: 107 @29409 has 3 MA's), (Start: 117 @29415 has 12 MA's), (Start: 119 @29418 has 11 MA's), (Start: 126 @29433 has 4 MA's), (Start: 177 @29484 has 227 MA's), (Start: 186 @29499 has 10 MA's), (Start: 295 @29703 has 1 MA's), (Start: 297 @29709 has 1 MA's), (Start: 360 @29859 has 1 MA's), (363, 29868), (365, 29877), (399, 29985), (410, 30006), (417, 30018), (425, 30042), (438, 30084), (516, 30213), (551, 30273), (574, 30330), (588, 30357), (602, 30384), (604, 30387), (610, 30399), (689, 30507), (703, 30540), (738, 30621), (743, 30636), (793, 30741), (847, 30855), (852, 30867), (906, 30954), (917, 30978),

Gene: Euratis_57 Start: 38667, Stop: 40322, Start Num: 124
Candidate Starts for Euratis_57:

(Start: 124 @38667 has 1 MA's), (Start: 157 @38712 has 10 MA's), (Start: 165 @38721 has 1 MA's), (Start: 179 @38733 has 38 MA's), (Start: 191 @38763 has 3 MA's), (279, 38949), (281, 38952), (298, 38985), (303, 38994), (321, 39033), (353, 39099), (356, 39111), (373, 39171), (381, 39189), (385, 39198), (395, 39240), (432, 39327), (524, 39525), (529, 39537), (536, 39555), (550, 39582), (568, 39627), (573, 39639), (594, 39693), (602, 39705), (624, 39735), (685, 39834), (716, 39894), (746, 39978), (806, 40095), (809, 40101), (839, 40167), (883, 40245), (890, 40257),

Gene: Exile_44 Start: 37249, Stop: 38688, Start Num: 173
Candidate Starts for Exile_44:
(Start: 162 @37237 has 16 MA's), (Start: 173 @37249 has 2 MA's), (Start: 177 @37255 has 227 MA's), (185, 37273), (277, 37441), (299, 37486), (303, 37492), (336, 37552), (358, 37612), (425, 37780), (512, 37939), (592, 38107), (644, 38161), (695, 38254), (737, 38341), (794, 38464), (803, 38476), (805, 38482), (813, 38500), (838, 38560), (876, 38620),

Gene: Expelliarmus_29 Start: 24979, Stop: 23477, Start Num: 171
Candidate Starts for Expelliarmus_29:
(Start: 117 @25048 has 12 MA's), (Start: 136 @25021 has 1 MA's), (Start: 142 @25015 has 24 MA's), (Start: 171 @24979 has 113 MA's), (Start: 241 @24829 has 1 MA's), (294, 24724), (325, 24658), (331, 24640), (351, 24598), (353, 24595), (380, 24508), (391, 24475), (425, 24382), (461, 24289), (489, 24241), (513, 24199), (552, 24139), (595, 24037), (682, 23902), (717, 23830), (759, 23725), (777, 23698), (781, 23689), (839, 23566), (854, 23536), (871, 23518),

Gene: Eyeball_37 Start: 29191, Stop: 30690, Start Num: 177
Candidate Starts for Eyeball_37:
(Start: 103 @29110 has 30 MA's), (Start: 107 @29116 has 3 MA's), (Start: 117 @29122 has 12 MA's), (Start: 119 @29125 has 11 MA's), (Start: 126 @29140 has 4 MA's), (Start: 177 @29191 has 227 MA's), (Start: 295 @29410 has 1 MA's), (Start: 297 @29416 has 1 MA's), (305, 29437), (Start: 360 @29566 has 1 MA's), (363, 29575), (365, 29584), (399, 29692), (410, 29713), (417, 29725), (425, 29749), (438, 29791), (516, 29920), (551, 29980), (574, 30037), (588, 30064), (602, 30091), (604, 30094), (610, 30106), (685, 30205), (703, 30244), (738, 30325), (743, 30340), (793, 30445), (847, 30559), (906, 30658), (917, 30682),

Gene: Fairfaxidum_39 Start: 30789, Stop: 32177, Start Num: 179
Candidate Starts for Fairfaxidum_39:
(Start: 149 @30759 has 5 MA's), (Start: 179 @30789 has 38 MA's), (Start: 206 @30846 has 9 MA's), (372, 31200), (378, 31212), (395, 31266), (397, 31272), (406, 31299), (421, 31332), (423, 31335), (483, 31467), (530, 31560), (540, 31578), (574, 31653), (578, 31665), (594, 31680), (601, 31689), (627, 31716), (654, 31770), (662, 31782), (677, 31812), (702, 31863), (729, 31920), (758, 31989), (764, 31998), (767, 32001), (773, 32013), (776, 32016), (780, 32025), (824, 32121), (836, 32142), (846, 32157),

Gene: Fajezeel_39 Start: 29706, Stop: 31220, Start Num: 177
Candidate Starts for Fajezeel_39:
(Start: 103 @29625 has 30 MA's), (Start: 107 @29631 has 3 MA's), (Start: 117 @29637 has 12 MA's), (Start: 119 @29640 has 11 MA's), (Start: 126 @29655 has 4 MA's), (Start: 177 @29706 has 227 MA's), (Start: 186 @29721 has 10 MA's), (Start: 295 @29925 has 1 MA's), (Start: 297 @29931 has 1 MA's), (305, 29952), (356, 30069), (Start: 360 @30081 has 1 MA's), (363, 30090), (365, 30099), (399, 30207), (410, 30228), (417, 30240), (425, 30264), (438, 30306), (516, 30435), (551, 30495), (574, 30552), (588, 30579), (602, 30606), (604, 30609), (610, 30621), (664, 30690), (685, 30723), (689, 30729), (703, 30762), (738, 30843), (743, 30858), (793, 30963), (847, 31077),

Gene: Fascinus_36 Start: 28964, Stop: 30466, Start Num: 177
Candidate Starts for Fascinus_36:

(83, 28859), (Start: 93 @28871 has 2 MA's), (Start: 103 @28883 has 30 MA's), (Start: 107 @28889 has 3 MA's), (Start: 117 @28895 has 12 MA's), (Start: 119 @28898 has 11 MA's), (Start: 126 @28913 has 4 MA's), (Start: 177 @28964 has 227 MA's), (Start: 295 @29183 has 1 MA's), (Start: 297 @29189 has 1 MA's), (305, 29210), (Start: 360 @29339 has 1 MA's), (363, 29348), (365, 29357), (399, 29465), (410, 29486), (417, 29498), (425, 29522), (438, 29564), (516, 29693), (551, 29753), (574, 29810), (588, 29837), (602, 29864), (604, 29867), (610, 29879), (664, 29948), (689, 29987), (703, 30020), (738, 30101), (743, 30116), (793, 30221), (847, 30335), (906, 30434), (917, 30458),

Gene: FatCactus_32 Start: 25084, Stop: 23525, Start Num: 171
Candidate Starts for FatCactus_32:
(70, 25234), (71, 25231), (168, 25087), (Start: 171 @25084 has 113 MA's), (Start: 192 @25039 has 1 MA's), (Start: 241 @24934 has 1 MA's), (325, 24763), (328, 24757), (353, 24691), (355, 24682), (362, 24661), (391, 24571), (397, 24547), (403, 24529), (417, 24502), (436, 24445), (449, 24412), (461, 24385), (466, 24379), (493, 24331), (496, 24328), (528, 24280), (537, 24274), (550, 24253), (602, 24136), (619, 24106), (682, 24022), (725, 23929), (735, 23905), (781, 23809), (830, 23695), (839, 23677), (854, 23647), (861, 23638), (871, 23623), (903, 23569), (912, 23554),

Gene: Fenn_38 Start: 31030, Stop: 32544, Start Num: 177
Candidate Starts for Fenn_38:
(Start: 103 @30949 has 30 MA's), (Start: 107 @30955 has 3 MA's), (Start: 117 @30961 has 12 MA's), (Start: 119 @30964 has 11 MA's), (Start: 126 @30979 has 4 MA's), (Start: 177 @31030 has 227 MA's), (Start: 297 @31255 has 1 MA's), (305, 31276), (356, 31393), (Start: 360 @31405 has 1 MA's), (363, 31414), (365, 31423), (399, 31531), (410, 31552), (417, 31564), (425, 31588), (438, 31630), (516, 31759), (551, 31819), (574, 31876), (602, 31930), (610, 31945), (689, 32053), (703, 32086), (706, 32089), (738, 32167), (743, 32182), (745, 32188), (847, 32401), (852, 32413),

Gene: Fenry_37 Start: 30762, Stop: 32153, Start Num: 179
Candidate Starts for Fenry_37:
(Start: 136 @30714 has 1 MA's), (Start: 149 @30732 has 5 MA's), (Start: 172 @30753 has 26 MA's), (Start: 179 @30762 has 38 MA's), (235, 30882), (Start: 295 @30975 has 1 MA's), (366, 31152), (368, 31158), (378, 31185), (395, 31239), (438, 31356), (530, 31533), (540, 31551), (543, 31560), (568, 31611), (578, 31638), (594, 31653), (641, 31719), (643, 31722), (654, 31743), (657, 31746), (662, 31755), (663, 31758), (689, 31809), (702, 31836), (729, 31893), (743, 31929), (758, 31962), (776, 31989), (800, 32040), (833, 32115),

Gene: Feyre_38 Start: 31236, Stop: 32642, Start Num: 179
Candidate Starts for Feyre_38:
(Start: 172 @31227 has 26 MA's), (Start: 179 @31236 has 38 MA's), (235, 31356), (332, 31533), (346, 31557), (362, 31608), (375, 31650), (397, 31719), (406, 31746), (410, 31755), (423, 31782), (430, 31803), (435, 31821), (446, 31848), (477, 31893), (492, 31899), (543, 32004), (575, 32070), (578, 32079), (591, 32100), (600, 32118), (612, 32139), (662, 32226), (666, 32235), (667, 32238), (719, 32346), (735, 32382), (769, 32454), (773, 32463), (796, 32514), (816, 32553), (821, 32565), (824, 32574), (843, 32604), (851, 32619),

Gene: Floof_64 Start: 39661, Stop: 41214, Start Num: 125
Candidate Starts for Floof_64:
(Start: 116 @39643 has 1 MA's), (Start: 125 @39661 has 2 MA's), (Start: 140 @39679 has 2 MA's), (Start: 206 @39766 has 9 MA's), (230, 39820), (278, 39886), (282, 39892), (303, 39934), (363, 40114), (369, 40138), (438, 40336), (444, 40348), (568, 40603), (675, 40783), (683, 40807), (692, 40819), (749, 40963), (768, 40987), (822, 41098),

Gene: Florean_33 Start: 26636, Stop: 25122, Start Num: 171
Candidate Starts for Florean_33:

(Start: 136 @26678 has 1 MA's), (Start: 162 @26645 has 16 MA's), (Start: 171 @26636 has 113 MA's), (250, 26474), (277, 26408), (286, 26390), (325, 26315), (335, 26291), (351, 26252), (353, 26249), (380, 26162), (421, 26048), (425, 26036), (513, 25853), (573, 25742), (595, 25691), (682, 25562), (687, 25553), (721, 25478), (724, 25472), (781, 25349), (796, 25310), (878, 25160), (886, 25145),

Gene: Florence1_30 Start: 25514, Stop: 24075, Start Num: 206
Candidate Starts for Florence1_30:
(Start: 177 @25568 has 227 MA's), (Start: 192 @25535 has 1 MA's), (Start: 193 @25532 has 3 MA's), (Start: 206 @25514 has 9 MA's), (Start: 241 @25433 has 1 MA's), (326, 25289), (340, 25262), (356, 25214), (410, 25049), (421, 25025), (423, 25022), (430, 25001), (536, 24812), (602, 24671), (624, 24641), (717, 24464), (721, 24452), (754, 24368), (763, 24353), (777, 24338), (859, 24161), (887, 24131), (907, 24098),

Gene: Florence4_31 Start: 25514, Stop: 24075, Start Num: 206
Candidate Starts for Florence4_31:
(Start: 177 @25568 has 227 MA's), (Start: 192 @25535 has 1 MA's), (Start: 193 @25532 has 3 MA's), (Start: 206 @25514 has 9 MA's), (Start: 241 @25433 has 1 MA's), (326, 25289), (340, 25262), (356, 25214), (410, 25049), (421, 25025), (423, 25022), (430, 25001), (536, 24812), (602, 24671), (624, 24641), (717, 24464), (721, 24452), (754, 24368), (763, 24353), (777, 24338), (859, 24161), (887, 24131), (907, 24098),

Gene: Flutur_49 Start: 35547, Stop: 36965, Start Num: 170
Candidate Starts for Flutur_49:
(Start: 152 @35529 has 3 MA's), (Start: 165 @35544 has 1 MA's), (Start: 170 @35547 has 33 MA's), (Start: 177 @35556 has 227 MA's), (233, 35670), (Start: 297 @35778 has 1 MA's), (351, 35889), (356, 35901), (358, 35910), (391, 36009), (425, 36102), (430, 36114), (438, 36141), (523, 36246), (559, 36300), (718, 36621), (723, 36633), (738, 36666), (808, 36804),

Gene: Flux_33 Start: 26681, Stop: 25125, Start Num: 136
Candidate Starts for Flux_33:
(Start: 136 @26681 has 1 MA's), (Start: 162 @26648 has 16 MA's), (Start: 171 @26639 has 113 MA's), (250, 26477), (277, 26411), (286, 26393), (325, 26318), (335, 26294), (351, 26255), (353, 26252), (380, 26165), (421, 26051), (425, 26039), (513, 25856), (573, 25745), (595, 25694), (682, 25565), (687, 25556), (721, 25481), (724, 25475), (781, 25352), (796, 25313), (878, 25163), (886, 25148),

Gene: FlyCatcher_36 Start: 28870, Stop: 27362, Start Num: 177
Candidate Starts for FlyCatcher_36:
(Start: 152 @28885 has 3 MA's), (Start: 177 @28870 has 227 MA's), (250, 28723), (338, 28570), (358, 28510), (395, 28393), (410, 28354), (421, 28330), (423, 28327), (426, 28315), (485, 28180), (550, 28069), (558, 28048), (566, 28027), (608, 27937), (631, 27901), (632, 27898), (684, 27832), (698, 27808), (711, 27781), (717, 27766), (721, 27754), (735, 27721), (746, 27688), (840, 27496), (852, 27475), (867, 27454), (899, 27400),

Gene: ForGetIt_30 Start: 25711, Stop: 24218, Start Num: 177
Candidate Starts for ForGetIt_30:
(Start: 177 @25711 has 227 MA's), (Start: 192 @25678 has 1 MA's), (Start: 193 @25675 has 3 MA's), (Start: 206 @25657 has 9 MA's), (Start: 241 @25576 has 1 MA's), (326, 25432), (340, 25405), (356, 25357), (410, 25192), (421, 25168), (423, 25165), (430, 25144), (536, 24955), (624, 24784), (698, 24649), (717, 24607), (721, 24595), (754, 24511), (763, 24496), (777, 24481), (859, 24304), (887, 24274), (907, 24241),

Gene: Forester_56 Start: 39179, Stop: 40756, Start Num: 116
Candidate Starts for Forester_56:
(Start: 116 @39179 has 1 MA's), (Start: 125 @39197 has 2 MA's), (Start: 140 @39218 has 2 MA's), (Start: 206 @39308 has 9 MA's), (230, 39362), (282, 39434), (363, 39656), (369, 39680), (370, 39683), (419, 39821), (438, 39878), (444, 39890), (639, 40271), (675, 40325), (683, 40349), (692, 40361), (738, 40472), (749, 40505), (768, 40529), (822, 40640), (887, 40748),

Gene: Forsytheast_37 Start: 29539, Stop: 31122, Start Num: 103
Candidate Starts for Forsytheast_37:
(Start: 103 @29539 has 30 MA's), (Start: 107 @29545 has 3 MA's), (Start: 117 @29551 has 12 MA's), (Start: 119 @29554 has 11 MA's), (Start: 126 @29569 has 4 MA's), (Start: 177 @29620 has 227 MA's), (Start: 186 @29635 has 10 MA's), (190, 29644), (Start: 295 @29839 has 1 MA's), (Start: 297 @29845 has 1 MA's), (303, 29857), (305, 29866), (Start: 360 @29995 has 1 MA's), (363, 30004), (365, 30013), (399, 30121), (410, 30142), (417, 30154), (425, 30178), (516, 30349), (551, 30409), (574, 30466), (602, 30520), (604, 30523), (610, 30535), (689, 30643), (703, 30676), (721, 30715), (738, 30757), (743, 30772), (847, 30991), (906, 31090), (917, 31114),

Gene: Francis47_37 Start: 30069, Stop: 31553, Start Num: 186
Candidate Starts for Francis47_37:
(Start: 103 @29973 has 30 MA's), (Start: 107 @29979 has 3 MA's), (Start: 117 @29985 has 12 MA's), (Start: 119 @29988 has 11 MA's), (Start: 126 @30003 has 4 MA's), (Start: 177 @30054 has 227 MA's), (Start: 186 @30069 has 10 MA's), (Start: 295 @30273 has 1 MA's), (Start: 297 @30279 has 1 MA's), (305, 30300), (Start: 360 @30429 has 1 MA's), (363, 30438), (365, 30447), (399, 30555), (410, 30576), (417, 30588), (425, 30612), (516, 30783), (551, 30843), (574, 30900), (588, 30927), (602, 30954), (604, 30957), (610, 30969), (685, 31068), (703, 31107), (706, 31110), (738, 31188), (743, 31203), (847, 31422), (906, 31521), (917, 31545),

Gene: FreakyGoo_131 Start: 69557, Stop: 68097, Start Num: 133
Candidate Starts for FreakyGoo_131:
(Start: 106 @69599 has 11 MA's), (128, 69566), (Start: 133 @69557 has 21 MA's), (190, 69485), (233, 69404), (Start: 259 @69362 has 1 MA's), (277, 69338), (313, 69266), (355, 69149), (373, 69086), (407, 69002), (412, 68990), (430, 68948), (435, 68930), (527, 68768), (539, 68747), (559, 68696), (574, 68669), (587, 68642), (663, 68522), (738, 68372), (774, 68294), (794, 68249), (820, 68192),

Gene: Froghopper_37 Start: 28895, Stop: 30478, Start Num: 103
Candidate Starts for Froghopper_37:
(Start: 103 @28895 has 30 MA's), (Start: 107 @28901 has 3 MA's), (Start: 117 @28907 has 12 MA's), (Start: 119 @28910 has 11 MA's), (Start: 126 @28925 has 4 MA's), (Start: 177 @28976 has 227 MA's), (Start: 297 @29201 has 1 MA's), (Start: 360 @29351 has 1 MA's), (363, 29360), (365, 29369), (399, 29477), (410, 29498), (417, 29510), (425, 29534), (516, 29705), (551, 29765), (574, 29822), (602, 29876), (604, 29879), (610, 29891), (664, 29960), (689, 29999), (703, 30032), (738, 30113), (743, 30128), (793, 30233), (847, 30347), (852, 30359), (906, 30446), (917, 30470),

Gene: Frokostdame_39 Start: 30677, Stop: 32089, Start Num: 161
Candidate Starts for Frokostdame_39:
(Start: 79 @30563 has 1 MA's), (Start: 161 @30677 has 1 MA's), (Start: 179 @30698 has 38 MA's), (235, 30818), (378, 31121), (395, 31175), (438, 31292), (481, 31370), (515, 31433), (530, 31469), (568, 31547), (578, 31574), (594, 31589), (641, 31655), (643, 31658), (662, 31691), (663, 31694), (702, 31772), (729, 31829), (743, 31865), (758, 31898), (776, 31925), (833, 32051),

Gene: FrumpyGal_30 Start: 22937, Stop: 21357, Start Num: 221
Candidate Starts for FrumpyGal_30:

(Start: 221 @22937 has 6 MA's), (237, 22892), (291, 22757), (Start: 297 @22739 has 1 MA's), (482, 22226), (584, 21998), (649, 21869), (654, 21863), (669, 21833), (732, 21701), (744, 21662), (755, 21635), (785, 21578), (813, 21518), (817, 21509), (839, 21455), (847, 21443), (848, 21440), (872, 21410), (877, 21401), (885, 21386),

Gene: Funston_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for Funston_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: GMonster_36 Start: 28786, Stop: 30288, Start Num: 177
Candidate Starts for GMonster_36:
(Start: 103 @28705 has 30 MA's), (Start: 107 @28711 has 3 MA's), (Start: 117 @28717 has 12 MA's), (Start: 119 @28720 has 11 MA's), (Start: 126 @28735 has 4 MA's), (Start: 177 @28786 has 227 MA's), (Start: 183 @28795 has 17 MA's), (Start: 186 @28801 has 10 MA's), (190, 28810), (Start: 295 @29005 has 1 MA's), (Start: 297 @29011 has 1 MA's), (305, 29032), (Start: 360 @29161 has 1 MA's), (363, 29170), (365, 29179), (399, 29287), (410, 29308), (417, 29320), (425, 29344), (516, 29515), (551, 29575), (574, 29632), (588, 29659), (602, 29686), (604, 29689), (610, 29701), (689, 29809), (703, 29842), (738, 29923), (743, 29938), (793, 30043), (847, 30157), (852, 30169), (906, 30256), (917, 30280),

Gene: Gachnar_39 Start: 29558, Stop: 31060, Start Num: 177
Candidate Starts for Gachnar_39:
(Start: 103 @29477 has 30 MA's), (Start: 107 @29483 has 3 MA's), (Start: 117 @29489 has 12 MA's), (Start: 119 @29492 has 11 MA's), (Start: 126 @29507 has 4 MA's), (Start: 177 @29558 has 227 MA's), (Start: 297 @29783 has 1 MA's), (323, 29837), (Start: 360 @29933 has 1 MA's), (363, 29942), (365, 29951), (399, 30059), (410, 30080), (417, 30092), (425, 30116), (438, 30158), (516, 30287), (551, 30347), (574, 30404), (588, 30431), (602, 30458), (610, 30473), (689, 30581), (703, 30614), (724, 30659), (738, 30695), (743, 30710), (793, 30815), (847, 30929), (906, 31028), (917, 31052),

Gene: Gadost_33 Start: 26641, Stop: 25127, Start Num: 171
Candidate Starts for Gadost_33:
(Start: 136 @26683 has 1 MA's), (Start: 162 @26650 has 16 MA's), (Start: 171 @26641 has 113 MA's), (250, 26479), (277, 26413), (286, 26395), (325, 26320), (335, 26296), (351, 26257), (353, 26254), (380, 26167), (421, 26053), (425, 26041), (513, 25858), (573, 25747), (595, 25696), (682, 25567), (687, 25558), (721, 25483), (724, 25477), (781, 25354), (796, 25315), (878, 25165), (886, 25150),

Gene: GageAP_39 Start: 29769, Stop: 31271, Start Num: 177
Candidate Starts for GageAP_39:
(78, 29655), (Start: 103 @29688 has 30 MA's), (Start: 107 @29694 has 3 MA's), (Start: 117 @29700 has 12 MA's), (Start: 119 @29703 has 11 MA's), (Start: 126 @29718 has 4 MA's), (Start: 177 @29769 has 227 MA's), (Start: 295 @29988 has 1 MA's), (Start: 297 @29994 has 1 MA's), (305, 30015), (Start: 360 @30144 has 1 MA's), (363, 30153), (365, 30162), (399, 30270), (410, 30291), (417, 30303), (425, 30327), (438, 30369), (516, 30498), (551, 30558), (574, 30615), (588, 30642), (602, 30669), (604, 30672), (610, 30684), (664, 30753), (689, 30792), (703, 30825), (738, 30906), (743, 30921), (847, 31140), (852, 31152), (906, 31239), (917, 31263),

Gene: Gambino_40 Start: 30240, Stop: 31766, Start Num: 79
Candidate Starts for Gambino_40:

(Start: 79 @30240 has 1 MA's), (Start: 161 @30354 has 1 MA's), (Start: 179 @30375 has 38 MA's), (235, 30495), (332, 30672), (378, 30798), (395, 30852), (438, 30969), (481, 31047), (515, 31110), (530, 31146), (568, 31224), (578, 31251), (594, 31266), (641, 31332), (643, 31335), (657, 31359), (662, 31368), (663, 31371), (702, 31449), (729, 31506), (743, 31542), (758, 31575), (764, 31584), (776, 31602), (800, 31653),

Gene: Gambol_44 Start: 31430, Stop: 32869, Start Num: 172
Candidate Starts for Gambol_44:
(Start: 172 @31430 has 26 MA's), (230, 31541), (235, 31550), (282, 31613), (Start: 295 @31637 has 1 MA's), (298, 31646), (356, 31796), (358, 31805), (408, 31961), (410, 31967), (423, 31994), (444, 32054), (559, 32228), (565, 32243), (629, 32351), (725, 32534), (861, 32798), (867, 32813), (870, 32816),

Gene: Gandalf20_38 Start: 30239, Stop: 31741, Start Num: 177
Candidate Starts for Gandalf20_38:
(Start: 103 @30158 has 30 MA's), (Start: 107 @30164 has 3 MA's), (Start: 117 @30170 has 12 MA's), (Start: 119 @30173 has 11 MA's), (Start: 126 @30188 has 4 MA's), (Start: 177 @30239 has 227 MA's), (Start: 184 @30251 has 3 MA's), (Start: 297 @30464 has 1 MA's), (303, 30476), (305, 30485), (323, 30518), (Start: 360 @30614 has 1 MA's), (363, 30623), (365, 30632), (399, 30740), (410, 30761), (417, 30773), (425, 30797), (438, 30839), (516, 30968), (551, 31028), (574, 31085), (588, 31112), (602, 31139), (604, 31142), (610, 31154), (664, 31223), (685, 31256), (689, 31262), (703, 31295), (738, 31376), (743, 31391), (793, 31496), (847, 31610), (906, 31709), (917, 31733),

Gene: GardenSalsa_146 Start: 70892, Stop: 69438, Start Num: 133
Candidate Starts for GardenSalsa_146:
(63, 71009), (Start: 106 @70934 has 11 MA's), (128, 70901), (Start: 133 @70892 has 21 MA's), (Start: 181 @70838 has 3 MA's), (190, 70820), (228, 70745), (313, 70601), (355, 70484), (373, 70421), (412, 70331), (430, 70289), (543, 70076), (574, 70010), (587, 69983), (641, 69902), (658, 69872), (662, 69866), (663, 69863), (738, 69713), (745, 69692), (774, 69635), (820, 69533), (838, 69491),

Gene: GardenState_58 Start: 37501, Stop: 38922, Start Num: 159
Candidate Starts for GardenState_58:
(Start: 159 @37501 has 2 MA's), (356, 37861), (423, 38053), (425, 38062), (503, 38167), (634, 38401), (661, 38440), (749, 38641), (768, 38665), (782, 38686), (849, 38812), (898, 38899),

Gene: GenevaB15_148 Start: 70550, Stop: 69096, Start Num: 133
Candidate Starts for GenevaB15_148:
(Start: 106 @70592 has 11 MA's), (128, 70559), (Start: 133 @70550 has 21 MA's), (Start: 181 @70496 has 3 MA's), (190, 70478), (228, 70403), (313, 70259), (355, 70142), (373, 70079), (412, 69989), (430, 69947), (543, 69734), (559, 69695), (574, 69668), (587, 69641), (641, 69560), (658, 69530), (662, 69524), (663, 69521), (738, 69371), (745, 69350), (774, 69293), (820, 69191),

Gene: Gengar_38 Start: 31346, Stop: 32752, Start Num: 179
Candidate Starts for Gengar_38:
(Start: 172 @31337 has 26 MA's), (Start: 179 @31346 has 38 MA's), (235, 31466), (332, 31643), (346, 31667), (362, 31718), (375, 31760), (397, 31829), (406, 31856), (410, 31865), (423, 31892), (430, 31913), (435, 31931), (446, 31958), (477, 32003), (492, 32009), (543, 32114), (575, 32180), (578, 32189), (591, 32210), (600, 32228), (662, 32336), (666, 32345), (667, 32348), (719, 32456), (735, 32492), (769, 32564), (773, 32573), (796, 32624), (816, 32663), (821, 32675), (824, 32684), (843, 32714), (851, 32729),

Gene: George_29 Start: 25777, Stop: 24284, Start Num: 177
Candidate Starts for George_29:

(Start: 177 @25777 has 227 MA's), (Start: 192 @25744 has 1 MA's), (Start: 193 @25741 has 3 MA's), (Start: 206 @25723 has 9 MA's), (Start: 241 @25642 has 1 MA's), (326, 25498), (340, 25471), (356, 25423), (410, 25258), (421, 25234), (423, 25231), (430, 25210), (536, 25021), (602, 24880), (624, 24850), (717, 24673), (721, 24661), (754, 24577), (763, 24562), (777, 24547), (859, 24370), (887, 24340), (907, 24307),

Gene: Ghoulboy_30 Start: 25972, Stop: 24533, Start Num: 206
Candidate Starts for Ghoulboy_30:
(Start: 177 @26026 has 227 MA's), (Start: 192 @25993 has 1 MA's), (Start: 193 @25990 has 3 MA's), (Start: 206 @25972 has 9 MA's), (Start: 241 @25891 has 1 MA's), (315, 25771), (326, 25747), (340, 25720), (356, 25672), (410, 25507), (421, 25483), (423, 25480), (430, 25459), (450, 25402), (536, 25270), (602, 25129), (624, 25099), (698, 24964), (717, 24922), (721, 24910), (754, 24826), (763, 24811), (777, 24796), (859, 24619), (887, 24589),

Gene: Giorgio_42 Start: 31348, Stop: 32787, Start Num: 172
Candidate Starts for Giorgio_42:
(Start: 172 @31348 has 26 MA's), (230, 31459), (235, 31468), (282, 31531), (Start: 295 @31555 has 1 MA's), (298, 31564), (356, 31714), (358, 31723), (408, 31879), (410, 31885), (423, 31912), (559, 32146), (565, 32161), (629, 32269), (765, 32539), (861, 32716), (867, 32731), (870, 32734),

Gene: Glaske16_133 Start: 70191, Stop: 68731, Start Num: 133
Candidate Starts for Glaske16_133:
(Start: 106 @70233 has 11 MA's), (128, 70200), (Start: 133 @70191 has 21 MA's), (190, 70119), (233, 70038), (Start: 259 @69996 has 1 MA's), (277, 69972), (313, 69900), (355, 69783), (373, 69720), (407, 69636), (412, 69624), (430, 69582), (435, 69564), (527, 69402), (539, 69381), (559, 69330), (574, 69303), (587, 69276), (663, 69156), (738, 69006), (774, 68928), (794, 68883), (820, 68826),

Gene: Goby_50 Start: 35136, Stop: 36713, Start Num: 142
Candidate Starts for Goby_50:
(Start: 96 @35070 has 7 MA's), (Start: 142 @35136 has 24 MA's), (218, 35256), (261, 35355), (269, 35373), (285, 35424), (319, 35505), (321, 35508), (353, 35580), (355, 35589), (356, 35592), (430, 35802), (432, 35805), (434, 35814), (571, 36042), (602, 36108), (624, 36138), (693, 36237), (703, 36261), (709, 36270), (719, 36294), (746, 36366), (834, 36555), (850, 36585), (854, 36594), (868, 36618), (877, 36633), (885, 36648),

Gene: Godpower_51 Start: 35115, Stop: 36692, Start Num: 142
Candidate Starts for Godpower_51:
(Start: 96 @35049 has 7 MA's), (Start: 142 @35115 has 24 MA's), (218, 35235), (261, 35334), (269, 35352), (285, 35403), (319, 35484), (321, 35487), (353, 35559), (355, 35568), (356, 35571), (406, 35724), (430, 35781), (432, 35784), (434, 35793), (571, 36021), (602, 36087), (624, 36117), (693, 36216), (703, 36240), (709, 36249), (719, 36273), (746, 36345), (834, 36534), (854, 36573), (868, 36597), (877, 36612), (885, 36627),

Gene: Gollum_29 Start: 23636, Stop: 22140, Start Num: 145
Candidate Starts for Gollum_29:
(Start: 145 @23636 has 32 MA's), (Start: 177 @23615 has 227 MA's), (Start: 181 @23609 has 3 MA's), (Start: 241 @23480 has 1 MA's), (277, 23432), (363, 23240), (373, 23201), (397, 23129), (423, 23069), (426, 23057), (449, 22994), (471, 22964), (495, 22931), (508, 22910), (523, 22880), (531, 22865), (536, 22859), (558, 22811), (571, 22778), (595, 22721), (624, 22682), (627, 22676), (693, 22580), (709, 22547), (718, 22526), (721, 22517), (796, 22355),

Gene: Gompeii16_37 Start: 29884, Stop: 31383, Start Num: 177
Candidate Starts for Gompeii16_37:

(Start: 103 @29803 has 30 MA's), (Start: 107 @29809 has 3 MA's), (Start: 117 @29815 has 12 MA's), (Start: 119 @29818 has 11 MA's), (Start: 126 @29833 has 4 MA's), (Start: 177 @29884 has 227 MA's), (Start: 186 @29899 has 10 MA's), (190, 29908), (Start: 295 @30103 has 1 MA's), (Start: 297 @30109 has 1 MA's), (305, 30130), (Start: 360 @30259 has 1 MA's), (363, 30268), (365, 30277), (399, 30385), (410, 30406), (417, 30418), (425, 30442), (516, 30613), (551, 30673), (574, 30730), (588, 30757), (602, 30784), (604, 30787), (610, 30799), (685, 30898), (703, 30937), (706, 30940), (738, 31018), (743, 31033), (847, 31252), (906, 31351), (917, 31375),

Gene: Graduation_39 Start: 30062, Stop: 31606, Start Num: 131
Candidate Starts for Graduation_39:
(Start: 131 @30062 has 4 MA's), (Start: 177 @30107 has 227 MA's), (Start: 186 @30122 has 10 MA's), (190, 30131), (250, 30254), (Start: 295 @30326 has 1 MA's), (Start: 297 @30332 has 1 MA's), (323, 30386), (Start: 360 @30482 has 1 MA's), (363, 30491), (365, 30500), (399, 30608), (410, 30629), (417, 30641), (425, 30665), (438, 30707), (516, 30836), (551, 30896), (574, 30953), (588, 30980), (602, 31007), (604, 31010), (610, 31022), (685, 31121), (703, 31160), (738, 31241), (743, 31256), (793, 31361), (847, 31475), (852, 31487), (906, 31574), (917, 31598),

Gene: GrecoEtereo_39 Start: 30180, Stop: 31682, Start Num: 177
Candidate Starts for GrecoEtereo_39:
(Start: 103 @30099 has 30 MA's), (Start: 107 @30105 has 3 MA's), (Start: 117 @30111 has 12 MA's), (Start: 119 @30114 has 11 MA's), (Start: 126 @30129 has 4 MA's), (Start: 177 @30180 has 227 MA's), (Start: 186 @30195 has 10 MA's), (Start: 297 @30405 has 1 MA's), (Start: 360 @30555 has 1 MA's), (363, 30564), (365, 30573), (399, 30681), (410, 30702), (417, 30714), (425, 30738), (438, 30780), (516, 30909), (551, 30969), (574, 31026), (602, 31080), (610, 31095), (664, 31164), (685, 31197), (689, 31203), (703, 31236), (706, 31239), (738, 31317), (743, 31332), (793, 31437), (847, 31551), (906, 31650), (917, 31674),

Gene: Greg_39 Start: 29706, Stop: 31220, Start Num: 177
Candidate Starts for Greg_39:
(Start: 103 @29625 has 30 MA's), (Start: 107 @29631 has 3 MA's), (Start: 117 @29637 has 12 MA's), (Start: 119 @29640 has 11 MA's), (Start: 126 @29655 has 4 MA's), (Start: 177 @29706 has 227 MA's), (Start: 186 @29721 has 10 MA's), (Start: 295 @29925 has 1 MA's), (Start: 297 @29931 has 1 MA's), (305, 29952), (356, 30069), (Start: 360 @30081 has 1 MA's), (363, 30090), (365, 30099), (399, 30207), (410, 30228), (417, 30240), (425, 30264), (438, 30306), (516, 30435), (551, 30495), (574, 30552), (588, 30579), (602, 30606), (604, 30609), (610, 30621), (664, 30690), (685, 30723), (689, 30729), (703, 30762), (738, 30843), (743, 30858), (793, 30963), (847, 31077),

Gene: Gretchen_58 Start: 38919, Stop: 40406, Start Num: 176
Candidate Starts for Gretchen_58:
(21, 38601), (37, 38670), (Start: 176 @38919 has 14 MA's), (Start: 206 @38982 has 9 MA's), (Start: 221 @39012 has 6 MA's), (277, 39111), (279, 39114), (Start: 297 @39150 has 1 MA's), (355, 39282), (358, 39294), (384, 39366), (402, 39423), (421, 39450), (454, 39528), (488, 39576), (574, 39753), (578, 39765), (641, 39885), (659, 39918), (693, 39978), (714, 40020), (719, 40032), (779, 40158), (785, 40173), (819, 40251), (825, 40269), (902, 40401),

Gene: GrimEater_47 Start: 33306, Stop: 34718, Start Num: 177
Candidate Starts for GrimEater_47:
(Start: 177 @33306 has 227 MA's), (312, 33558), (351, 33636), (356, 33648), (365, 33678), (372, 33705), (374, 33711), (449, 33915), (497, 33948), (523, 33996), (624, 34185), (627, 34191), (682, 34296), (711, 34353), (717, 34368), (777, 34482), (808, 34554), (863, 34653),

Gene: GroundGoblin_39 Start: 30857, Stop: 32359, Start Num: 177
Candidate Starts for GroundGoblin_39:

(Start: 103 @30776 has 30 MA's), (Start: 107 @30782 has 3 MA's), (Start: 117 @30788 has 12 MA's), (Start: 119 @30791 has 11 MA's), (Start: 126 @30806 has 4 MA's), (Start: 177 @30857 has 227 MA's), (Start: 295 @31076 has 1 MA's), (Start: 297 @31082 has 1 MA's), (303, 31094), (305, 31103), (356, 31220), (Start: 360 @31232 has 1 MA's), (363, 31241), (365, 31250), (395, 31346), (399, 31358), (410, 31379), (417, 31391), (425, 31415), (516, 31586), (551, 31646), (574, 31703), (588, 31730), (602, 31757), (610, 31772), (664, 31841), (689, 31880), (703, 31913), (738, 31994), (743, 32009), (793, 32114), (847, 32228), (906, 32327), (917, 32351),

Gene: Groundhog_29 Start: 24980, Stop: 23478, Start Num: 171
Candidate Starts for Groundhog_29:
(Start: 117 @25052 has 12 MA's), (Start: 136 @25022 has 1 MA's), (Start: 142 @25016 has 24 MA's), (Start: 171 @24980 has 113 MA's), (Start: 241 @24830 has 1 MA's), (294, 24725), (325, 24659), (331, 24641), (351, 24599), (353, 24596), (380, 24509), (425, 24383), (461, 24290), (489, 24242), (513, 24200), (552, 24140), (595, 24038), (682, 23903), (717, 23831), (759, 23726), (777, 23699), (781, 23690), (839, 23567), (871, 23519),

Gene: Guillsminger_39 Start: 31317, Stop: 32723, Start Num: 179
Candidate Starts for Guillsminger_39:
(Start: 172 @31308 has 26 MA's), (Start: 179 @31317 has 38 MA's), (235, 31437), (332, 31614), (346, 31638), (362, 31689), (375, 31731), (391, 31779), (397, 31800), (406, 31827), (410, 31836), (423, 31863), (430, 31884), (435, 31902), (446, 31929), (477, 31974), (492, 31980), (543, 32085), (575, 32151), (578, 32160), (591, 32181), (600, 32199), (662, 32307), (666, 32316), (667, 32319), (719, 32427), (735, 32463), (769, 32535), (773, 32544), (796, 32595), (816, 32634), (821, 32646), (824, 32655), (843, 32685), (851, 32700),

Gene: Gumpizza_42 Start: 31304, Stop: 32743, Start Num: 172
Candidate Starts for Gumpizza_42:
(Start: 172 @31304 has 26 MA's), (230, 31415), (235, 31424), (282, 31487), (Start: 295 @31511 has 1 MA's), (298, 31520), (356, 31670), (358, 31679), (408, 31835), (410, 31841), (423, 31868), (559, 32102), (565, 32117), (629, 32225), (765, 32495), (861, 32672), (867, 32687), (870, 32690),

Gene: Gwendoluna_40 Start: 31439, Stop: 33007, Start Num: 119
Candidate Starts for Gwendoluna_40:
(Start: 103 @31424 has 30 MA's), (Start: 107 @31430 has 3 MA's), (Start: 117 @31436 has 12 MA's), (Start: 119 @31439 has 11 MA's), (Start: 126 @31454 has 4 MA's), (Start: 177 @31505 has 227 MA's), (Start: 186 @31520 has 10 MA's), (Start: 295 @31724 has 1 MA's), (Start: 297 @31730 has 1 MA's), (305, 31751), (Start: 360 @31880 has 1 MA's), (363, 31889), (365, 31898), (399, 32006), (410, 32027), (417, 32039), (425, 32063), (438, 32105), (516, 32234), (551, 32294), (574, 32351), (588, 32378), (602, 32405), (604, 32408), (610, 32420), (664, 32489), (689, 32528), (703, 32561), (738, 32642), (743, 32657), (748, 32672), (793, 32762), (847, 32876), (906, 32975), (917, 32999),

Gene: HFrancette_30 Start: 23607, Stop: 21988, Start Num: 212
Candidate Starts for HFrancette_30:
(Start: 212 @23607 has 5 MA's), (291, 23403), (Start: 297 @23385 has 1 MA's), (367, 23181), (422, 22998), (439, 22947), (476, 22881), (482, 22872), (552, 22731), (561, 22707), (584, 22653), (615, 22587), (667, 22482), (681, 22446), (725, 22359), (744, 22305), (792, 22203), (823, 22134), (833, 22110), (839, 22098), (882, 22047),

Gene: HINdeR_33 Start: 29171, Stop: 27708, Start Num: 177
Candidate Starts for HINdeR_33:
(89, 29273), (111, 29243), (Start: 132 @29210 has 1 MA's), (Start: 177 @29171 has 227 MA's), (Start: 241 @29036 has 1 MA's), (268, 29000), (316, 28910), (328, 28889), (329, 28886), (355, 28820), (363, 28796), (366, 28781), (386, 28730), (408, 28658), (409, 28655), (417, 28640), (420, 28631), (447,

28556), (450, 28547), (510, 28463), (542, 28397), (655, 28208), (699, 28139), (720, 28091), (745, 28025), (754, 28004), (808, 27899), (875, 27785), (889, 27761), (899, 27743), (913, 27719), (915, 27713),

Gene: Halsey_43 Start: 31558, Stop: 32997, Start Num: 172
Candidate Starts for Halsey_43:
(Start: 172 @31558 has 26 MA's), (230, 31669), (235, 31678), (282, 31741), (Start: 295 @31765 has 1 MA's), (298, 31774), (356, 31924), (358, 31933), (408, 32089), (410, 32095), (423, 32122), (559, 32356), (629, 32479), (861, 32926), (867, 32941), (870, 32944),

Gene: HamSlice_32 Start: 26644, Stop: 25121, Start Num: 162
Candidate Starts for HamSlice_32:
(Start: 136 @26677 has 1 MA's), (Start: 162 @26644 has 16 MA's), (Start: 171 @26635 has 113 MA's), (250, 26473), (277, 26407), (286, 26389), (325, 26314), (335, 26290), (351, 26251), (353, 26248), (380, 26161), (421, 26047), (425, 26035), (513, 25852), (573, 25741), (595, 25690), (682, 25561), (687, 25552), (721, 25477), (724, 25471), (781, 25348), (796, 25309), (878, 25159), (886, 25144),

Gene: HanShotFirst_36 Start: 28972, Stop: 30474, Start Num: 177
Candidate Starts for HanShotFirst_36:
(33, 28735), (36, 28738), (41, 28753), (59, 28816), (Start: 103 @28891 has 30 MA's), (Start: 107 @28897 has 3 MA's), (Start: 117 @28903 has 12 MA's), (Start: 119 @28906 has 11 MA's), (Start: 126 @28921 has 4 MA's), (Start: 177 @28972 has 227 MA's), (Start: 186 @28987 has 10 MA's), (230, 29080), (Start: 295 @29191 has 1 MA's), (Start: 297 @29197 has 1 MA's), (305, 29218), (356, 29335), (Start: 360 @29347 has 1 MA's), (363, 29356), (365, 29365), (395, 29461), (399, 29473), (410, 29494), (417, 29506), (425, 29530), (516, 29701), (551, 29761), (574, 29818), (602, 29872), (610, 29887), (685, 29989), (689, 29995), (703, 30028), (706, 30031), (734, 30094), (743, 30124), (793, 30229), (847, 30343), (906, 30442), (917, 30466),

Gene: Happiness_33 Start: 26642, Stop: 25128, Start Num: 171
Candidate Starts for Happiness_33:
(Start: 136 @26684 has 1 MA's), (Start: 162 @26651 has 16 MA's), (Start: 171 @26642 has 113 MA's), (250, 26480), (277, 26414), (286, 26396), (325, 26321), (335, 26297), (351, 26258), (353, 26255), (380, 26168), (421, 26054), (425, 26042), (513, 25859), (573, 25748), (595, 25697), (682, 25568), (687, 25559), (721, 25484), (724, 25478), (781, 25355), (796, 25316), (878, 25166), (886, 25151),

Gene: Harlequin_29 Start: 23641, Stop: 22145, Start Num: 145
Candidate Starts for Harlequin_29:
(Start: 145 @23641 has 32 MA's), (Start: 177 @23620 has 227 MA's), (Start: 181 @23614 has 3 MA's), (Start: 241 @23485 has 1 MA's), (277, 23437), (321, 23350), (363, 23245), (397, 23134), (423, 23074), (426, 23062), (449, 22999), (471, 22969), (495, 22936), (508, 22915), (523, 22885), (536, 22864), (557, 22819), (558, 22816), (560, 22810), (595, 22726), (624, 22687), (627, 22681), (709, 22552), (718, 22531), (721, 22522), (796, 22360),

Gene: HarryOW_37 Start: 29352, Stop: 30854, Start Num: 177
Candidate Starts for HarryOW_37:
(Start: 103 @29271 has 30 MA's), (Start: 107 @29277 has 3 MA's), (Start: 117 @29283 has 12 MA's), (Start: 119 @29286 has 11 MA's), (Start: 177 @29352 has 227 MA's), (Start: 295 @29571 has 1 MA's), (Start: 297 @29577 has 1 MA's), (305, 29598), (Start: 360 @29727 has 1 MA's), (363, 29736), (365, 29745), (399, 29853), (410, 29874), (417, 29886), (425, 29910), (438, 29952), (516, 30081), (551, 30141), (574, 30198), (602, 30252), (610, 30267), (664, 30336), (685, 30369), (689, 30375), (703, 30408), (706, 30411), (738, 30489), (743, 30504), (793, 30609), (847, 30723), (906, 30822),

(917, 30846),

Gene: HashRod_37 Start: 27309, Stop: 25741, Start Num: 171
Candidate Starts for HashRod_37:
(67, 27459), (73, 27444), (Start: 142 @27345 has 24 MA's), (Start: 171 @27309 has 113 MA's), (294, 27054), (304, 27030), (331, 26970), (351, 26922), (353, 26919), (380, 26832), (386, 26820), (391, 26799), (397, 26775), (425, 26706), (450, 26637), (452, 26628), (513, 26523), (536, 26478), (595, 26346), (650, 26262), (685, 26205), (781, 25998), (842, 25857),

Gene: Heather_56 Start: 38485, Stop: 40254, Start Num: 117
Candidate Starts for Heather_56:
(99, 38461), (112, 38479), (Start: 117 @38485 has 12 MA's), (Start: 126 @38500 has 4 MA's), (Start: 154 @38539 has 5 MA's), (Start: 164 @38551 has 4 MA's), (242, 38728), (262, 38761), (286, 38833), (292, 38848), (300, 38875), (302, 38878), (317, 38914), (359, 39040), (388, 39112), (389, 39115), (413, 39187), (435, 39274), (442, 39292), (450, 39313), (509, 39424), (520, 39445), (538, 39487), (567, 39559), (578, 39586), (599, 39628), (633, 39694), (657, 39721), (688, 39775), (709, 39820), (718, 39841), (748, 39922), (798, 40024), (817, 40069), (830, 40105), (840, 40126), (848, 40138),

Gene: Heftyboy_38 Start: 31463, Stop: 32869, Start Num: 179
Candidate Starts for Heftyboy_38:
(Start: 172 @31454 has 26 MA's), (Start: 179 @31463 has 38 MA's), (235, 31583), (332, 31760), (346, 31784), (362, 31835), (375, 31877), (391, 31925), (397, 31946), (406, 31973), (410, 31982), (423, 32009), (430, 32030), (435, 32048), (446, 32075), (477, 32120), (492, 32126), (543, 32231), (575, 32297), (578, 32306), (591, 32327), (600, 32345), (662, 32453), (666, 32462), (667, 32465), (714, 32561), (719, 32573), (735, 32609), (769, 32681), (773, 32690), (796, 32741), (816, 32780), (821, 32792), (824, 32801), (843, 32831), (851, 32846),

Gene: Herbertwm_31 Start: 25845, Stop: 24304, Start Num: 171
Candidate Starts for Herbertwm_31:
(32, 26094), (35, 26091), (43, 26064), (48, 26055), (88, 25950), (Start: 93 @25944 has 2 MA's), (Start: 118 @25911 has 3 MA's), (138, 25884), (141, 25881), (Start: 171 @25845 has 113 MA's), (277, 25617), (286, 25599), (323, 25527), (347, 25470), (351, 25452), (353, 25449), (386, 25350), (396, 25308), (425, 25236), (449, 25170), (452, 25158), (513, 25053), (536, 25023), (552, 24993), (602, 24882), (682, 24729), (693, 24708), (717, 24657), (721, 24645), (724, 24639), (747, 24576), (771, 24531), (781, 24516),

Gene: Hermia_40 Start: 30907, Stop: 32409, Start Num: 177
Candidate Starts for Hermia_40:
(Start: 103 @30826 has 30 MA's), (Start: 107 @30832 has 3 MA's), (Start: 117 @30838 has 12 MA's), (Start: 119 @30841 has 11 MA's), (Start: 126 @30856 has 4 MA's), (Start: 177 @30907 has 227 MA's), (Start: 186 @30922 has 10 MA's), (Start: 295 @31126 has 1 MA's), (Start: 297 @31132 has 1 MA's), (305, 31153), (356, 31270), (Start: 360 @31282 has 1 MA's), (363, 31291), (365, 31300), (395, 31396), (399, 31408), (410, 31429), (417, 31441), (425, 31465), (516, 31636), (551, 31696), (574, 31753), (588, 31780), (602, 31807), (610, 31822), (664, 31891), (689, 31930), (703, 31963), (738, 32044), (743, 32059), (793, 32164), (847, 32278), (906, 32377), (917, 32401),

Gene: HermioneGrange_37 Start: 29320, Stop: 30822, Start Num: 177
Candidate Starts for HermioneGrange_37:
(Start: 103 @29239 has 30 MA's), (Start: 107 @29245 has 3 MA's), (Start: 117 @29251 has 12 MA's), (Start: 119 @29254 has 11 MA's), (Start: 126 @29269 has 4 MA's), (Start: 177 @29320 has 227 MA's), (Start: 184 @29332 has 3 MA's), (Start: 297 @29545 has 1 MA's), (303, 29557), (305, 29566), (323, 29599), (Start: 360 @29695 has 1 MA's), (363, 29704), (365, 29713), (399, 29821), (410, 29842), (417, 29854), (425, 29878), (438, 29920), (516, 30049), (551, 30109), (574, 30166), (588, 30193),

(602, 30220), (604, 30223), (610, 30235), (664, 30304), (685, 30337), (689, 30343), (703, 30376), (738, 30457), (743, 30472), (793, 30577), (847, 30691), (906, 30790), (917, 30814),

Gene: Hippo_50 Start: 36182, Stop: 37795, Start Num: 142
Candidate Starts for Hippo_50:
(Start: 96 @36116 has 7 MA's), (Start: 134 @36173 has 6 MA's), (Start: 142 @36182 has 24 MA's), (218, 36329), (261, 36428), (269, 36446), (285, 36497), (319, 36578), (321, 36581), (353, 36653), (355, 36662), (356, 36665), (395, 36791), (406, 36818), (434, 36887), (450, 36932), (502, 37001), (521, 37028), (552, 37076), (571, 37124), (591, 37163), (602, 37190), (624, 37220), (703, 37343), (731, 37403), (746, 37448), (808, 37577), (830, 37628), (834, 37637), (854, 37676), (868, 37700), (877, 37715), (885, 37730), (895, 37745),

Gene: Hiro_29 Start: 23875, Stop: 22397, Start Num: 177
Candidate Starts for Hiro_29:
(Start: 145 @23896 has 32 MA's), (Start: 177 @23875 has 227 MA's), (Start: 181 @23869 has 3 MA's), (214, 23800), (Start: 241 @23740 has 1 MA's), (321, 23602), (323, 23599), (335, 23572), (355, 23521), (386, 23431), (409, 23359), (420, 23335), (425, 23320), (430, 23308), (444, 23269), (497, 23188), (505, 23176), (525, 23137), (536, 23119), (568, 23050), (573, 23038), (578, 23023), (584, 23011), (595, 22987), (602, 22978), (624, 22948), (631, 22930), (653, 22909), (668, 22888), (692, 22855), (698, 22843), (742, 22735), (795, 22630), (822, 22570), (840, 22531), (842, 22528), (854, 22504), (859, 22498),

Gene: Holli_33 Start: 26436, Stop: 24913, Start Num: 162
Candidate Starts for Holli_33:
(Start: 136 @26469 has 1 MA's), (Start: 162 @26436 has 16 MA's), (Start: 171 @26427 has 113 MA's), (250, 26265), (277, 26199), (286, 26181), (325, 26106), (335, 26082), (351, 26043), (353, 26040), (380, 25953), (421, 25839), (425, 25827), (513, 25644), (573, 25533), (595, 25482), (682, 25353), (687, 25344), (721, 25269), (724, 25263), (781, 25140), (796, 25101), (878, 24951), (886, 24936),

Gene: Honk_61 Start: 38228, Stop: 39772, Start Num: 150
Candidate Starts for Honk_61:
(Start: 150 @38228 has 1 MA's), (282, 38429), (318, 38507), (358, 38630), (377, 38690), (392, 38738), (397, 38759), (408, 38786), (410, 38792), (438, 38870), (621, 39188), (634, 39218), (639, 39224), (704, 39353), (711, 39365), (716, 39374), (742, 39449), (749, 39470), (804, 39560), (810, 39575), (887, 39707),

Gene: Hookmount_34 Start: 27245, Stop: 25722, Start Num: 152
Candidate Starts for Hookmount_34:
(Start: 152 @27245 has 3 MA's), (Start: 177 @27230 has 227 MA's), (Start: 181 @27224 has 3 MA's), (Start: 183 @27221 has 17 MA's), (274, 27053), (277, 27047), (338, 26930), (358, 26870), (395, 26753), (410, 26714), (423, 26687), (426, 26675), (485, 26540), (566, 26387), (608, 26297), (632, 26258), (698, 26168), (717, 26126), (721, 26114), (739, 26069), (746, 26048), (852, 25835), (867, 25814),

Gene: Hope4ever_37 Start: 29718, Stop: 31289, Start Num: 117
Candidate Starts for Hope4ever_37:
(Start: 103 @29706 has 30 MA's), (Start: 107 @29712 has 3 MA's), (Start: 117 @29718 has 12 MA's), (Start: 119 @29721 has 11 MA's), (Start: 126 @29736 has 4 MA's), (Start: 177 @29787 has 227 MA's), (Start: 183 @29796 has 17 MA's), (Start: 186 @29802 has 10 MA's), (190, 29811), (Start: 295 @30006 has 1 MA's), (Start: 297 @30012 has 1 MA's), (356, 30150), (Start: 360 @30162 has 1 MA's), (363, 30171), (365, 30180), (399, 30288), (410, 30309), (417, 30321), (425, 30345), (438, 30387), (516, 30516), (551, 30576), (574, 30633), (602, 30687), (604, 30690), (610, 30702), (664, 30771),

(689, 30810), (703, 30843), (738, 30924), (743, 30939), (793, 31044), (847, 31158), (906, 31257), (917, 31281),

Gene: Houdini22_33 Start: 26641, Stop: 25127, Start Num: 171
Candidate Starts for Houdini22_33:
(Start: 136 @26683 has 1 MA's), (Start: 162 @26650 has 16 MA's), (Start: 171 @26641 has 113 MA's), (250, 26479), (277, 26413), (286, 26395), (325, 26320), (335, 26296), (351, 26257), (353, 26254), (380, 26167), (421, 26053), (425, 26041), (513, 25858), (573, 25747), (595, 25696), (682, 25567), (687, 25558), (721, 25483), (724, 25477), (781, 25354), (796, 25315), (878, 25165), (886, 25150),

Gene: HuhtaEnerson15_30 Start: 25723, Stop: 24284, Start Num: 206
Candidate Starts for HuhtaEnerson15_30:
(Start: 177 @25777 has 227 MA's), (Start: 192 @25744 has 1 MA's), (Start: 193 @25741 has 3 MA's), (Start: 206 @25723 has 9 MA's), (Start: 241 @25642 has 1 MA's), (326, 25498), (340, 25471), (356, 25423), (410, 25258), (421, 25234), (423, 25231), (430, 25210), (536, 25021), (602, 24880), (624, 24850), (717, 24673), (721, 24661), (754, 24577), (763, 24562), (777, 24547), (859, 24370), (887, 24340), (907, 24307),

Gene: Huxley_33 Start: 26698, Stop: 25184, Start Num: 171
Candidate Starts for Huxley_33:
(Start: 136 @26740 has 1 MA's), (Start: 162 @26707 has 16 MA's), (Start: 171 @26698 has 113 MA's), (250, 26536), (277, 26470), (286, 26452), (325, 26377), (335, 26353), (351, 26314), (353, 26311), (380, 26224), (421, 26110), (425, 26098), (513, 25915), (573, 25804), (595, 25753), (682, 25624), (687, 25615), (721, 25540), (724, 25534), (781, 25411), (796, 25372), (878, 25222), (886, 25207),

Gene: Hydra_50 Start: 34719, Stop: 36053, Start Num: 176
Candidate Starts for Hydra_50:
(Start: 176 @34719 has 14 MA's), (Start: 183 @34731 has 17 MA's), (190, 34746), (229, 34833), (Start: 232 @34836 has 1 MA's), (246, 34860), (277, 34902), (283, 34911), (303, 34953), (305, 34962), (313, 34974), (352, 35064), (355, 35073), (363, 35097), (402, 35217), (411, 35223), (460, 35313), (483, 35328), (488, 35337), (509, 35370), (557, 35481), (559, 35487), (578, 35535), (590, 35550), (596, 35565), (636, 35625), (643, 35634), (649, 35649), (696, 35730), (717, 35760), (734, 35790), (749, 35838), (789, 35916), (810, 35964), (816, 35973), (825, 36000), (846, 36039),

Gene: IAmGroot_57 Start: 37709, Stop: 39130, Start Num: 159
Candidate Starts for IAmGroot_57:
(Start: 159 @37709 has 2 MA's), (356, 38069), (423, 38261), (425, 38270), (503, 38375), (634, 38609), (661, 38648), (749, 38849), (768, 38873), (782, 38894), (849, 39020), (898, 39107),

Gene: ICleared_33 Start: 26628, Stop: 25132, Start Num: 177
Candidate Starts for ICleared_33:
(Start: 106 @26694 has 11 MA's), (Start: 177 @26628 has 227 MA's), (Start: 189 @26610 has 3 MA's), (213, 26556), (239, 26505), (Start: 241 @26493 has 1 MA's), (316, 26367), (328, 26346), (344, 26316), (355, 26277), (366, 26238), (396, 26148), (421, 26088), (439, 26034), (523, 25896), (647, 25665), (693, 25575), (711, 25539), (721, 25512), (742, 25458), (745, 25449), (849, 25239), (859, 25221), (875, 25209), (880, 25200),

Gene: ILeeKay_39 Start: 29491, Stop: 31056, Start Num: 119
Candidate Starts for ILeeKay_39:
(Start: 103 @29476 has 30 MA's), (Start: 107 @29482 has 3 MA's), (Start: 117 @29488 has 12 MA's), (Start: 119 @29491 has 11 MA's), (Start: 126 @29506 has 4 MA's), (Start: 177 @29557 has 227

MA's), (Start: 183 @29566 has 17 MA's), (Start: 186 @29572 has 10 MA's), (190, 29581), (Start: 295 @29776 has 1 MA's), (Start: 297 @29782 has 1 MA's), (Start: 360 @29932 has 1 MA's), (363, 29941), (365, 29950), (399, 30058), (410, 30079), (417, 30091), (425, 30115), (438, 30157), (516, 30286), (551, 30346), (574, 30403), (588, 30430), (602, 30457), (610, 30472), (685, 30571), (703, 30610), (738, 30691), (743, 30706), (793, 30811), (847, 30925), (906, 31024), (917, 31048),

Gene: IPhane7_129 Start: 69256, Stop: 67796, Start Num: 133
Candidate Starts for IPhane7_129:
(Start: 106 @69298 has 11 MA's), (128, 69265), (Start: 133 @69256 has 21 MA's), (190, 69184), (233, 69103), (Start: 259 @69061 has 1 MA's), (277, 69037), (313, 68965), (355, 68848), (373, 68785), (407, 68701), (412, 68689), (430, 68647), (435, 68629), (527, 68467), (539, 68446), (559, 68395), (574, 68368), (587, 68341), (663, 68221), (738, 68071), (774, 67993), (794, 67948), (820, 67891),

Gene: IUFootball_52 Start: 37490, Stop: 38902, Start Num: 177
Candidate Starts for IUFootball_52:
(Start: 177 @37490 has 227 MA's), (Start: 241 @37628 has 1 MA's), (320, 37763), (351, 37823), (356, 37835), (362, 37853), (372, 37892), (423, 38027), (425, 38036), (516, 38168), (523, 38180), (571, 38261), (682, 38471), (699, 38504), (718, 38546), (730, 38573), (738, 38591), (810, 38732), (848, 38795), (861, 38819), (908, 38897),

Gene: Ibantik_5 Start: 2018, Stop: 3472, Start Num: 314
Candidate Starts for Ibantik_5:
(Start: 154 @1661 has 5 MA's), (196, 1733), (200, 1751), (231, 1826), (255, 1886), (280, 1943), (Start: 314 @2018 has 1 MA's), (354, 2126), (368, 2195), (369, 2198), (376, 2222), (379, 2231), (380, 2234), (416, 2345), (535, 2612), (544, 2639), (674, 2936), (716, 3026), (722, 3047), (726, 3059), (735, 3083), (878, 3395),

Gene: Iceman_34 Start: 26926, Stop: 25412, Start Num: 171
Candidate Starts for Iceman_34:
(Start: 136 @26968 has 1 MA's), (Start: 162 @26935 has 16 MA's), (Start: 171 @26926 has 113 MA's), (250, 26764), (277, 26698), (286, 26680), (325, 26605), (335, 26581), (351, 26542), (353, 26539), (380, 26452), (425, 26326), (513, 26143), (573, 26032), (595, 25981), (682, 25852), (687, 25843), (721, 25768), (724, 25762), (781, 25639), (796, 25600), (878, 25450), (886, 25435),

Gene: Ichabod_38 Start: 29525, Stop: 31093, Start Num: 119
Candidate Starts for Ichabod_38:
(Start: 103 @29510 has 30 MA's), (Start: 107 @29516 has 3 MA's), (Start: 117 @29522 has 12 MA's), (Start: 119 @29525 has 11 MA's), (Start: 126 @29540 has 4 MA's), (Start: 177 @29591 has 227 MA's), (230, 29699), (Start: 295 @29810 has 1 MA's), (Start: 297 @29816 has 1 MA's), (305, 29837), (Start: 360 @29966 has 1 MA's), (363, 29975), (365, 29984), (399, 30092), (410, 30113), (417, 30125), (425, 30149), (516, 30320), (551, 30380), (574, 30437), (588, 30464), (602, 30491), (610, 30506), (664, 30575), (685, 30608), (689, 30614), (703, 30647), (738, 30728), (743, 30743), (793, 30848), (847, 30962), (906, 31061), (917, 31085),

Gene: Ididsumtinwong_31 Start: 23000, Stop: 21264, Start Num: 205
Candidate Starts for Ididsumtinwong_31:
(39, 23297), (Start: 205 @23000 has 12 MA's), (230, 22943), (236, 22928), (308, 22736), (358, 22595), (401, 22445), (408, 22433), (421, 22385), (455, 22295), (532, 22151), (570, 22052), (591, 22010), (654, 21869), (669, 21839), (677, 21818), (748, 21653), (781, 21593), (798, 21551), (812, 21521), (817, 21509), (833, 21467), (834, 21464), (858, 21422), (882, 21386), (913, 21332),

Gene: Ignacio_30 Start: 23614, Stop: 22034, Start Num: 221
Candidate Starts for Ignacio_30:

(Start: 221 @23614 has 6 MA's), (237, 23569), (291, 23434), (Start: 297 @23416 has 1 MA's), (482, 22903), (584, 22675), (649, 22546), (654, 22540), (669, 22510), (732, 22378), (744, 22339), (755, 22312), (785, 22255), (813, 22195), (817, 22186), (839, 22132), (847, 22120), (848, 22117), (872, 22087), (877, 22078), (885, 22063),

Gene: IgnatiusPatJac_36 Start: 29287, Stop: 30789, Start Num: 177
Candidate Starts for IgnatiusPatJac_36:
(33, 29050), (36, 29053), (41, 29068), (59, 29131), (Start: 103 @29206 has 30 MA's), (Start: 107 @29212 has 3 MA's), (Start: 117 @29218 has 12 MA's), (Start: 119 @29221 has 11 MA's), (Start: 126 @29236 has 4 MA's), (Start: 177 @29287 has 227 MA's), (Start: 186 @29302 has 10 MA's), (190, 29311), (Start: 297 @29512 has 1 MA's), (303, 29524), (305, 29533), (Start: 360 @29662 has 1 MA's), (363, 29671), (365, 29680), (399, 29788), (410, 29809), (417, 29821), (425, 29845), (438, 29887), (516, 30016), (551, 30076), (574, 30133), (602, 30187), (604, 30190), (610, 30202), (664, 30271), (689, 30310), (703, 30343), (738, 30424), (743, 30439), (793, 30544), (847, 30658), (852, 30670), (906, 30757), (917, 30781),

Gene: Indigo_48 Start: 34063, Stop: 35397, Start Num: 176
Candidate Starts for Indigo_48:
(Start: 176 @34063 has 14 MA's), (Start: 183 @34075 has 17 MA's), (190, 34090), (229, 34177), (Start: 232 @34180 has 1 MA's), (246, 34204), (277, 34246), (283, 34255), (303, 34297), (305, 34306), (313, 34318), (352, 34408), (355, 34417), (363, 34441), (402, 34561), (411, 34567), (460, 34657), (483, 34672), (488, 34681), (509, 34714), (557, 34825), (559, 34831), (578, 34879), (590, 34894), (596, 34909), (636, 34969), (649, 34993), (696, 35074), (717, 35104), (734, 35134), (749, 35182), (789, 35260), (810, 35308), (816, 35317), (825, 35344), (846, 35383),

Gene: InvictusManeo_38 Start: 31499, Stop: 32869, Start Num: 206
Candidate Starts for InvictusManeo_38:
(31, 31172), (55, 31235), (75, 31289), (130, 31376), (Start: 166 @31424 has 7 MA's), (Start: 206 @31499 has 9 MA's), (211, 31511), (277, 31622), (279, 31625), (296, 31658), (305, 31682), (336, 31745), (363, 31820), (472, 32096), (578, 32318), (584, 32330), (622, 32378), (636, 32408), (645, 32429), (662, 32453), (736, 32606), (772, 32687), (777, 32693), (782, 32705), (796, 32741), (800, 32747), (810, 32768), (817, 32783), (819, 32789), (839, 32837), (845, 32846),

Gene: Inyanga_35 Start: 28750, Stop: 30237, Start Num: 186
Candidate Starts for Inyanga_35:
(Start: 103 @28654 has 30 MA's), (Start: 107 @28660 has 3 MA's), (Start: 117 @28666 has 12 MA's), (Start: 119 @28669 has 11 MA's), (Start: 126 @28684 has 4 MA's), (Start: 177 @28735 has 227 MA's), (Start: 186 @28750 has 10 MA's), (Start: 297 @28960 has 1 MA's), (Start: 360 @29110 has 1 MA's), (363, 29119), (365, 29128), (399, 29236), (410, 29257), (417, 29269), (425, 29293), (438, 29335), (510, 29449), (516, 29464), (551, 29524), (574, 29581), (588, 29608), (602, 29635), (610, 29650), (664, 29719), (689, 29758), (703, 29791), (738, 29872), (743, 29887), (847, 30106), (906, 30205), (917, 30229),

Gene: Iqorha_35 Start: 28749, Stop: 30236, Start Num: 186
Candidate Starts for Iqorha_35:
(Start: 103 @28653 has 30 MA's), (Start: 107 @28659 has 3 MA's), (Start: 117 @28665 has 12 MA's), (Start: 119 @28668 has 11 MA's), (Start: 126 @28683 has 4 MA's), (Start: 177 @28734 has 227 MA's), (Start: 186 @28749 has 10 MA's), (Start: 297 @28959 has 1 MA's), (Start: 360 @29109 has 1 MA's), (363, 29118), (365, 29127), (399, 29235), (410, 29256), (417, 29268), (425, 29292), (438, 29334), (510, 29448), (516, 29463), (551, 29523), (574, 29580), (588, 29607), (602, 29634), (610, 29649), (664, 29718), (689, 29757), (703, 29790), (738, 29871), (743, 29886), (847, 30105), (906, 30204), (917, 30228),

Gene: Iracema64_34 Start: 26931, Stop: 25453, Start Num: 189
Candidate Starts for Iracema64_34:
(Start: 106 @27015 has 11 MA's), (Start: 177 @26949 has 227 MA's), (Start: 189 @26931 has 3 MA's), (214, 26874), (223, 26856), (239, 26826), (Start: 241 @26814 has 1 MA's), (316, 26688), (328, 26667), (344, 26637), (355, 26598), (366, 26559), (396, 26469), (421, 26409), (439, 26355), (523, 26217), (647, 25986), (693, 25896), (711, 25860), (721, 25833), (742, 25779), (745, 25770), (849, 25560), (859, 25542), (875, 25530), (880, 25521),

Gene: Issmi_53 Start: 37574, Stop: 38995, Start Num: 157
Candidate Starts for Issmi_53:
(Start: 118 @37514 has 3 MA's), (Start: 149 @37565 has 5 MA's), (Start: 157 @37574 has 10 MA's), (277, 37784), (Start: 297 @37811 has 1 MA's), (330, 37877), (Start: 360 @37949 has 1 MA's), (402, 38078), (412, 38087), (429, 38126), (483, 38237), (506, 38273), (515, 38294), (517, 38297), (533, 38336), (541, 38351), (609, 38495), (659, 38579), (720, 38696), (738, 38732), (760, 38786), (761, 38789), (781, 38822), (810, 38888), (833, 38936), (838, 38945), (861, 38984),

Gene: Iter_51 Start: 35996, Stop: 37411, Start Num: 177
Candidate Starts for Iter_51:
(Start: 177 @35996 has 227 MA's), (Start: 189 @36014 has 3 MA's), (233, 36110), (Start: 241 @36134 has 1 MA's), (Start: 297 @36218 has 1 MA's), (320, 36269), (351, 36329), (356, 36341), (365, 36371), (391, 36449), (425, 36542), (438, 36581), (718, 37064), (723, 37076), (808, 37247),

Gene: IttyBittyPiggy_50 Start: 34701, Stop: 36119, Start Num: 170
Candidate Starts for IttyBittyPiggy_50:
(Start: 152 @34683 has 3 MA's), (Start: 165 @34698 has 1 MA's), (Start: 170 @34701 has 33 MA's), (Start: 177 @34710 has 227 MA's), (Start: 297 @34932 has 1 MA's), (351, 35043), (356, 35055), (358, 35064), (387, 35142), (391, 35163), (403, 35205), (425, 35256), (430, 35268), (449, 35322), (711, 35757), (718, 35775), (723, 35787),

Gene: Itza_50 Start: 33245, Stop: 34663, Start Num: 184
Candidate Starts for Itza_50:
(104, 33131), (108, 33137), (Start: 173 @33224 has 2 MA's), (Start: 184 @33245 has 3 MA's), (341, 33557), (358, 33611), (Start: 360 @33614 has 1 MA's), (372, 33659), (379, 33674), (402, 33740), (443, 33824), (465, 33857), (507, 33929), (515, 33947), (540, 34001), (572, 34082), (582, 34106), (586, 34112), (620, 34163), (636, 34196), (673, 34265), (699, 34310), (734, 34391), (744, 34424), (745, 34427), (846, 34646),

Gene: Izel_131 Start: 69072, Stop: 67612, Start Num: 133
Candidate Starts for Izel_131:
(Start: 106 @69114 has 11 MA's), (128, 69081), (Start: 133 @69072 has 21 MA's), (190, 69000), (233, 68919), (Start: 259 @68877 has 1 MA's), (277, 68853), (313, 68781), (355, 68664), (373, 68601), (407, 68517), (412, 68505), (430, 68463), (435, 68445), (527, 68283), (539, 68262), (559, 68211), (574, 68184), (587, 68157), (663, 68037), (738, 67887), (774, 67809), (794, 67764), (820, 67707),

Gene: Izzy_50 Start: 34419, Stop: 35741, Start Num: 183
Candidate Starts for Izzy_50:
(Start: 176 @34407 has 14 MA's), (Start: 183 @34419 has 17 MA's), (190, 34434), (229, 34521), (Start: 232 @34524 has 1 MA's), (246, 34548), (283, 34599), (303, 34641), (305, 34650), (313, 34662), (352, 34752), (355, 34761), (363, 34785), (402, 34905), (411, 34911), (460, 35001), (483, 35016), (488, 35025), (509, 35058), (557, 35169), (559, 35175), (578, 35223), (590, 35238), (596, 35253), (636, 35313), (643, 35322), (649, 35337), (695, 35415), (717, 35448), (734, 35478), (749, 35526), (789, 35604), (810, 35652), (816, 35661), (825, 35688), (846, 35727),

Gene: JC27_38 Start: 29870, Stop: 31372, Start Num: 177
Candidate Starts for JC27_38:
(Start: 103 @29789 has 30 MA's), (Start: 107 @29795 has 3 MA's), (Start: 117 @29801 has 12 MA's), (Start: 119 @29804 has 11 MA's), (Start: 126 @29819 has 4 MA's), (Start: 177 @29870 has 227 MA's), (Start: 295 @30089 has 1 MA's), (Start: 297 @30095 has 1 MA's), (Start: 360 @30245 has 1 MA's), (363, 30254), (365, 30263), (399, 30371), (410, 30392), (417, 30404), (425, 30428), (438, 30470), (516, 30599), (551, 30659), (574, 30716), (588, 30743), (602, 30770), (610, 30785), (664, 30854), (689, 30893), (703, 30926), (738, 31007), (743, 31022), (847, 31241), (906, 31340), (917, 31364),

Gene: Jabiru_31 Start: 25464, Stop: 23983, Start Num: 177
Candidate Starts for Jabiru_31:
(Start: 134 @25491 has 6 MA's), (Start: 177 @25464 has 227 MA's), (Start: 193 @25428 has 3 MA's), (Start: 241 @25329 has 1 MA's), (268, 25293), (Start: 297 @25245 has 1 MA's), (316, 25203), (329, 25179), (344, 25152), (355, 25113), (363, 25089), (366, 25074), (410, 24945), (562, 24651), (570, 24633), (583, 24606), (595, 24576), (610, 24552), (624, 24537), (670, 24477), (693, 24426), (698, 24417), (721, 24363), (735, 24330), (763, 24264), (796, 24201), (859, 24072), (913, 23994),

Gene: JackSparrow_38 Start: 29845, Stop: 31416, Start Num: 117
Candidate Starts for JackSparrow_38:
(Start: 103 @29833 has 30 MA's), (Start: 107 @29839 has 3 MA's), (Start: 117 @29845 has 12 MA's), (Start: 119 @29848 has 11 MA's), (Start: 126 @29863 has 4 MA's), (Start: 177 @29914 has 227 MA's), (190, 29938), (Start: 295 @30133 has 1 MA's), (Start: 297 @30139 has 1 MA's), (Start: 360 @30289 has 1 MA's), (363, 30298), (365, 30307), (399, 30415), (410, 30436), (417, 30448), (425, 30472), (438, 30514), (516, 30643), (551, 30703), (574, 30760), (588, 30787), (602, 30814), (610, 30829), (664, 30898), (689, 30937), (703, 30970), (738, 31051), (743, 31066), (793, 31171), (847, 31285), (906, 31384), (917, 31408),

Gene: Jalammah_42 Start: 32075, Stop: 33466, Start Num: 179
Candidate Starts for Jalammah_42:
(Start: 136 @32027 has 1 MA's), (Start: 149 @32045 has 5 MA's), (Start: 172 @32066 has 26 MA's), (Start: 179 @32075 has 38 MA's), (235, 32195), (Start: 295 @32288 has 1 MA's), (366, 32465), (368, 32471), (378, 32498), (395, 32552), (438, 32669), (530, 32846), (540, 32864), (543, 32873), (568, 32924), (578, 32951), (594, 32966), (641, 33032), (643, 33035), (654, 33056), (657, 33059), (662, 33068), (663, 33071), (689, 33122), (702, 33149), (729, 33206), (743, 33242), (758, 33275), (776, 33302), (800, 33353), (833, 33428),

Gene: Janeemi_52 Start: 36965, Stop: 38386, Start Num: 170
Candidate Starts for Janeemi_52:
(129, 36914), (Start: 152 @36947 has 3 MA's), (Start: 165 @36962 has 1 MA's), (Start: 170 @36965 has 33 MA's), (Start: 177 @36974 has 227 MA's), (240, 37106), (Start: 241 @37112 has 1 MA's), (Start: 297 @37196 has 1 MA's), (318, 37244), (351, 37307), (356, 37319), (358, 37328), (391, 37427), (425, 37520), (438, 37559), (559, 37718), (568, 37739), (718, 38042), (723, 38054), (808, 38225), (859, 38312),

Gene: Jankie_48 Start: 33484, Stop: 34896, Start Num: 177
Candidate Starts for Jankie_48:
(Start: 177 @33484 has 227 MA's), (312, 33736), (351, 33814), (356, 33826), (365, 33856), (374, 33889), (449, 34093), (497, 34126), (523, 34174), (624, 34363), (627, 34369), (682, 34474), (711, 34531), (717, 34546), (777, 34660), (808, 34732), (863, 34831),

Gene: Jash_50 Start: 34372, Stop: 35694, Start Num: 183
Candidate Starts for Jash_50:

(Start: 176 @34360 has 14 MA's), (Start: 183 @34372 has 17 MA's), (190, 34387), (229, 34474), (Start: 232 @34477 has 1 MA's), (246, 34501), (283, 34552), (303, 34594), (305, 34603), (313, 34615), (352, 34705), (355, 34714), (363, 34738), (402, 34858), (411, 34864), (460, 34954), (483, 34969), (488, 34978), (509, 35011), (557, 35122), (559, 35128), (578, 35176), (590, 35191), (596, 35206), (636, 35266), (643, 35275), (649, 35290), (695, 35368), (717, 35401), (734, 35431), (749, 35479), (789, 35557), (810, 35605), (816, 35614), (825, 35641), (846, 35680),

Gene: Jasper_38 Start: 29239, Stop: 30741, Start Num: 177
Candidate Starts for Jasper_38:
(Start: 103 @29158 has 30 MA's), (Start: 107 @29164 has 3 MA's), (Start: 117 @29170 has 12 MA's), (Start: 119 @29173 has 11 MA's), (Start: 126 @29188 has 4 MA's), (Start: 177 @29239 has 227 MA's), (Start: 186 @29254 has 10 MA's), (235, 29356), (Start: 241 @29374 has 1 MA's), (250, 29386), (Start: 295 @29458 has 1 MA's), (Start: 297 @29464 has 1 MA's), (303, 29476), (305, 29485), (356, 29602), (Start: 360 @29614 has 1 MA's), (363, 29623), (365, 29632), (395, 29728), (399, 29740), (410, 29761), (417, 29773), (425, 29797), (438, 29839), (516, 29968), (551, 30028), (574, 30085), (602, 30139), (610, 30154), (685, 30256), (689, 30262), (703, 30295), (706, 30298), (721, 30334), (734, 30361), (743, 30391), (847, 30610), (906, 30709), (917, 30733),

Gene: Jaykayelowell_33 Start: 26633, Stop: 25119, Start Num: 171
Candidate Starts for Jaykayelowell_33:
(Start: 136 @26675 has 1 MA's), (Start: 162 @26642 has 16 MA's), (Start: 171 @26633 has 113 MA's), (250, 26471), (277, 26405), (286, 26387), (325, 26312), (335, 26288), (351, 26249), (353, 26246), (380, 26159), (421, 26045), (425, 26033), (513, 25850), (573, 25739), (595, 25688), (682, 25559), (687, 25550), (699, 25526), (721, 25475), (724, 25469), (781, 25346), (796, 25307), (878, 25157), (886, 25142),

Gene: Jerm2_38 Start: 29575, Stop: 31077, Start Num: 177
Candidate Starts for Jerm2_38:
(Start: 103 @29494 has 30 MA's), (Start: 107 @29500 has 3 MA's), (Start: 117 @29506 has 12 MA's), (Start: 119 @29509 has 11 MA's), (Start: 126 @29524 has 4 MA's), (Start: 177 @29575 has 227 MA's), (Start: 186 @29590 has 10 MA's), (Start: 297 @29800 has 1 MA's), (303, 29812), (305, 29821), (323, 29854), (Start: 360 @29950 has 1 MA's), (363, 29959), (365, 29968), (399, 30076), (410, 30097), (417, 30109), (425, 30133), (438, 30175), (516, 30304), (551, 30364), (574, 30421), (588, 30448), (602, 30475), (604, 30478), (610, 30490), (664, 30559), (685, 30592), (689, 30598), (703, 30631), (738, 30712), (743, 30727), (793, 30832), (847, 30946), (906, 31045), (917, 31069),

Gene: Jester_29 Start: 23572, Stop: 22076, Start Num: 145
Candidate Starts for Jester_29:
(Start: 145 @23572 has 32 MA's), (Start: 177 @23551 has 227 MA's), (Start: 181 @23545 has 3 MA's), (Start: 241 @23416 has 1 MA's), (277, 23368), (321, 23281), (363, 23176), (397, 23065), (423, 23005), (426, 22993), (449, 22930), (471, 22900), (495, 22867), (508, 22846), (523, 22816), (536, 22795), (557, 22750), (558, 22747), (560, 22741), (595, 22657), (624, 22618), (627, 22612), (709, 22483), (718, 22462), (721, 22453), (796, 22291),

Gene: JetBlade_33 Start: 26634, Stop: 25120, Start Num: 171
Candidate Starts for JetBlade_33:
(Start: 136 @26676 has 1 MA's), (Start: 162 @26643 has 16 MA's), (Start: 171 @26634 has 113 MA's), (250, 26472), (277, 26406), (286, 26388), (325, 26313), (335, 26289), (351, 26250), (353, 26247), (380, 26160), (421, 26046), (425, 26034), (513, 25851), (573, 25740), (595, 25689), (682, 25560), (687, 25551), (721, 25476), (724, 25470), (781, 25347), (796, 25308), (878, 25158), (886, 25143),

Gene: Jevington_52 Start: 36147, Stop: 37628, Start Num: 118

Candidate Starts for Jevington_52:
(24, 35931), (50, 36015), (52, 36021), (99, 36123), (Start: 118 @36147 has 3 MA's), (Start: 149 @36198 has 5 MA's), (Start: 157 @36207 has 10 MA's), (277, 36417), (Start: 297 @36444 has 1 MA's), (Start: 360 @36582 has 1 MA's), (402, 36711), (429, 36759), (483, 36870), (488, 36879), (515, 36927), (517, 36930), (533, 36969), (609, 37128), (659, 37212), (720, 37329), (738, 37365), (781, 37455), (784, 37464), (810, 37521), (833, 37569), (838, 37578), (861, 37617),

Gene: Jflix2_51 Start: 35443, Stop: 36906, Start Num: 105
Candidate Starts for Jflix2_51:
(62, 35365), (Start: 105 @35443 has 4 MA's), (Start: 119 @35461 has 11 MA's), (Start: 162 @35521 has 16 MA's), (190, 35566), (Start: 206 @35596 has 9 MA's), (230, 35650), (235, 35659), (243, 35677), (346, 35860), (356, 35893), (375, 35953), (423, 36085), (426, 36097), (435, 36124), (488, 36208), (540, 36310), (541, 36313), (569, 36373), (594, 36412), (623, 36439), (636, 36469), (640, 36475), (645, 36490), (654, 36502), (662, 36514), (681, 36556), (714, 36619), (739, 36679), (756, 36721), (796, 36796), (804, 36808), (810, 36823), (826, 36862),

Gene: Jhitchelle_50 Start: 36343, Stop: 37926, Start Num: 207
Candidate Starts for Jhitchelle_50:
(Start: 207 @36343 has 2 MA's), (230, 36397), (237, 36418), (248, 36448), (267, 36490), (273, 36505), (312, 36613), (322, 36634), (357, 36742), (Start: 360 @36751 has 1 MA's), (380, 36814), (386, 36826), (395, 36865), (415, 36907), (428, 36949), (447, 37006), (469, 37048), (482, 37069), (543, 37162), (596, 37285), (604, 37294), (608, 37303), (636, 37366), (667, 37426), (672, 37438), (713, 37513), (740, 37573), (755, 37606), (760, 37615), (770, 37630), (781, 37651), (784, 37660), (804, 37708), (816, 37735), (823, 37756), (825, 37762), (839, 37792), (864, 37843),

Gene: Joemato_50 Start: 35318, Stop: 36736, Start Num: 170
Candidate Starts for Joemato_50:
(Start: 152 @35300 has 3 MA's), (Start: 165 @35315 has 1 MA's), (Start: 170 @35318 has 33 MA's), (Start: 177 @35327 has 227 MA's), (233, 35441), (Start: 241 @35465 has 1 MA's), (Start: 297 @35549 has 1 MA's), (351, 35660), (356, 35672), (358, 35681), (391, 35780), (425, 35873), (430, 35885), (438, 35912), (523, 36017), (559, 36071), (718, 36392), (723, 36404), (738, 36437), (808, 36575),

Gene: JohnDoe_50 Start: 35314, Stop: 36732, Start Num: 170
Candidate Starts for JohnDoe_50:
(Start: 152 @35296 has 3 MA's), (Start: 165 @35311 has 1 MA's), (Start: 170 @35314 has 33 MA's), (Start: 177 @35323 has 227 MA's), (233, 35437), (Start: 297 @35545 has 1 MA's), (351, 35656), (356, 35668), (358, 35677), (391, 35776), (425, 35869), (438, 35908), (559, 36067), (718, 36388), (723, 36400), (738, 36433), (808, 36571),

Gene: JoongJeon_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for JoongJeon_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Jorgensen_37 Start: 29286, Stop: 30788, Start Num: 177
Candidate Starts for Jorgensen_37:
(Start: 103 @29205 has 30 MA's), (Start: 107 @29211 has 3 MA's), (Start: 117 @29217 has 12 MA's), (Start: 119 @29220 has 11 MA's), (Start: 126 @29235 has 4 MA's), (Start: 177 @29286 has 227 MA's), (Start: 186 @29301 has 10 MA's), (Start: 297 @29511 has 1 MA's), (305, 29532), (Start: 360 @29661 has 1 MA's), (363, 29670), (365, 29679), (399, 29787), (410, 29808), (417, 29820), (425,

29844), (438, 29886), (516, 30015), (551, 30075), (574, 30132), (588, 30159), (602, 30186), (604, 30189), (610, 30201), (685, 30303), (689, 30309), (703, 30342), (721, 30381), (738, 30423), (743, 30438), (847, 30657), (906, 30756), (917, 30780),

Gene: Jovo_30 Start: 25967, Stop: 24474, Start Num: 177
Candidate Starts for Jovo_30:
(Start: 177 @25967 has 227 MA's), (Start: 192 @25934 has 1 MA's), (Start: 193 @25931 has 3 MA's), (Start: 206 @25913 has 9 MA's), (Start: 241 @25832 has 1 MA's), (326, 25688), (340, 25661), (356, 25613), (410, 25448), (421, 25424), (423, 25421), (430, 25400), (536, 25211), (624, 25040), (698, 24905), (717, 24863), (721, 24851), (754, 24767), (763, 24752), (777, 24737), (859, 24560), (887, 24530), (907, 24497),

Gene: Jstan_50 Start: 35963, Stop: 37384, Start Num: 170
Candidate Starts for Jstan_50:
(Start: 152 @35945 has 3 MA's), (Start: 165 @35960 has 1 MA's), (Start: 170 @35963 has 33 MA's), (Start: 177 @35972 has 227 MA's), (233, 36086), (Start: 241 @36110 has 1 MA's), (Start: 297 @36194 has 1 MA's), (312, 36227), (318, 36242), (351, 36305), (356, 36317), (358, 36326), (391, 36425), (403, 36467), (425, 36518), (438, 36557), (510, 36635), (523, 36662), (559, 36716), (711, 37022), (716, 37031), (718, 37040), (723, 37052), (808, 37223), (859, 37310),

Gene: JuJu_41 Start: 31203, Stop: 32594, Start Num: 179
Candidate Starts for JuJu_41:
(Start: 149 @31173 has 5 MA's), (Start: 179 @31203 has 38 MA's), (235, 31323), (332, 31500), (366, 31593), (368, 31599), (378, 31626), (395, 31680), (410, 31722), (438, 31797), (449, 31824), (481, 31875), (515, 31938), (526, 31965), (530, 31974), (540, 31992), (543, 32001), (568, 32052), (578, 32079), (594, 32094), (654, 32184), (662, 32196), (663, 32199), (702, 32277), (729, 32334), (764, 32412), (800, 32481),

Gene: JuliaChild_39 Start: 30024, Stop: 31526, Start Num: 177
Candidate Starts for JuliaChild_39:
(Start: 103 @29943 has 30 MA's), (Start: 107 @29949 has 3 MA's), (Start: 117 @29955 has 12 MA's), (Start: 119 @29958 has 11 MA's), (Start: 126 @29973 has 4 MA's), (Start: 177 @30024 has 227 MA's), (Start: 186 @30039 has 10 MA's), (Start: 295 @30243 has 1 MA's), (Start: 297 @30249 has 1 MA's), (305, 30270), (323, 30303), (Start: 360 @30399 has 1 MA's), (363, 30408), (365, 30417), (397, 30519), (399, 30525), (410, 30546), (417, 30558), (425, 30582), (438, 30624), (516, 30753), (551, 30813), (574, 30870), (588, 30897), (602, 30924), (604, 30927), (610, 30939), (685, 31041), (689, 31047), (703, 31080), (706, 31083), (738, 31161), (743, 31176), (748, 31191), (793, 31281), (847, 31395), (906, 31494), (917, 31518),

Gene: JuneStar_51 Start: 38077, Stop: 39495, Start Num: 170
Candidate Starts for JuneStar_51:
(Start: 152 @38059 has 3 MA's), (Start: 165 @38074 has 1 MA's), (Start: 170 @38077 has 33 MA's), (Start: 177 @38086 has 227 MA's), (Start: 241 @38224 has 1 MA's), (Start: 297 @38308 has 1 MA's), (351, 38419), (356, 38431), (358, 38440), (391, 38539), (403, 38581), (425, 38632), (438, 38671), (682, 39076), (711, 39133), (718, 39151), (723, 39163), (810, 39337),

Gene: Junimo_32 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for Junimo_32:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: KADY_37 Start: 27309, Stop: 25741, Start Num: 171
Candidate Starts for KADY_37:
(67, 27459), (73, 27444), (Start: 142 @27345 has 24 MA's), (Start: 171 @27309 has 113 MA's), (294, 27054), (304, 27030), (331, 26970), (351, 26922), (353, 26919), (380, 26832), (386, 26820), (391, 26799), (397, 26775), (425, 26706), (450, 26637), (452, 26628), (513, 26523), (536, 26478), (595, 26346), (650, 26262), (685, 26205), (781, 25998), (842, 25857),

Gene: KBG_38 Start: 30500, Stop: 31999, Start Num: 177
Candidate Starts for KBG_38:
(Start: 103 @30419 has 30 MA's), (Start: 107 @30425 has 3 MA's), (Start: 117 @30431 has 12 MA's), (Start: 119 @30434 has 11 MA's), (Start: 126 @30449 has 4 MA's), (Start: 177 @30500 has 227 MA's), (211, 30566), (230, 30608), (Start: 295 @30719 has 1 MA's), (Start: 297 @30725 has 1 MA's), (305, 30746), (Start: 360 @30875 has 1 MA's), (363, 30884), (365, 30893), (366, 30899), (399, 31001), (410, 31022), (417, 31034), (425, 31058), (438, 31100), (516, 31229), (551, 31289), (574, 31346), (588, 31373), (602, 31400), (604, 31403), (610, 31415), (685, 31514), (703, 31553), (706, 31556), (738, 31634), (743, 31649), (847, 31868), (906, 31967), (917, 31991),

Gene: KFPoly_33 Start: 26634, Stop: 25120, Start Num: 171
Candidate Starts for KFPoly_33:
(Start: 136 @26676 has 1 MA's), (Start: 162 @26643 has 16 MA's), (Start: 171 @26634 has 113 MA's), (250, 26472), (277, 26406), (286, 26388), (325, 26313), (335, 26289), (351, 26250), (353, 26247), (380, 26160), (421, 26046), (425, 26034), (513, 25851), (573, 25740), (595, 25689), (682, 25560), (687, 25551), (721, 25476), (724, 25470), (781, 25347), (796, 25308), (878, 25158), (886, 25143),

Gene: KSSJEB_37 Start: 29202, Stop: 30704, Start Num: 177
Candidate Starts for KSSJEB_37:
(Start: 103 @29121 has 30 MA's), (Start: 107 @29127 has 3 MA's), (Start: 117 @29133 has 12 MA's), (Start: 119 @29136 has 11 MA's), (Start: 126 @29151 has 4 MA's), (Start: 177 @29202 has 227 MA's), (235, 29319), (Start: 295 @29421 has 1 MA's), (Start: 297 @29427 has 1 MA's), (305, 29448), (356, 29565), (Start: 360 @29577 has 1 MA's), (363, 29586), (365, 29595), (399, 29703), (417, 29736), (503, 29904), (516, 29931), (551, 29991), (574, 30048), (588, 30075), (602, 30102), (610, 30117), (664, 30186), (689, 30225), (703, 30258), (734, 30324), (743, 30354), (774, 30417), (793, 30459), (847, 30573), (906, 30672), (917, 30696),

Gene: Kaine_52 Start: 36736, Stop: 38322, Start Num: 142
Candidate Starts for Kaine_52:
(98, 36673), (102, 36679), (Start: 142 @36736 has 24 MA's), (222, 36874), (254, 36946), (255, 36952), (269, 36979), (285, 37030), (290, 37042), (313, 37096), (321, 37114), (355, 37195), (356, 37198), (424, 37393), (450, 37465), (453, 37474), (502, 37531), (536, 37573), (552, 37603), (602, 37717), (624, 37747), (627, 37753), (693, 37846), (701, 37861), (703, 37870), (717, 37897), (718, 37900), (735, 37942), (746, 37975), (749, 37984), (812, 38110), (830, 38155), (834, 38164), (842, 38179), (850, 38194), (854, 38203), (868, 38227), (895, 38272),

Gene: Kalimba_43 Start: 31408, Stop: 32847, Start Num: 172
Candidate Starts for Kalimba_43:
(Start: 172 @31408 has 26 MA's), (230, 31519), (235, 31528), (282, 31591), (Start: 295 @31615 has 1 MA's), (298, 31624), (356, 31774), (358, 31783), (408, 31939), (410, 31945), (423, 31972), (444, 32032), (559, 32206), (565, 32221), (629, 32329), (725, 32512), (861, 32776), (867, 32791), (870, 32794),

Gene: Kanely_38 Start: 30151, Stop: 31650, Start Num: 186

Candidate Starts for Kanely_38:
(Start: 95 @30046 has 1 MA's), (Start: 131 @30091 has 4 MA's), (Start: 177 @30136 has 227 MA's), (Start: 186 @30151 has 10 MA's), (230, 30244), (Start: 295 @30355 has 1 MA's), (Start: 297 @30361 has 1 MA's), (305, 30382), (Start: 360 @30511 has 1 MA's), (363, 30520), (365, 30529), (399, 30637), (410, 30658), (417, 30670), (425, 30694), (438, 30736), (516, 30865), (551, 30925), (574, 30982), (588, 31009), (602, 31036), (604, 31039), (610, 31051), (664, 31120), (685, 31153), (689, 31159), (703, 31192), (738, 31273), (743, 31288), (793, 31393), (847, 31507),

Gene: KappaFarmDelta_40 Start: 29698, Stop: 31089, Start Num: 179
Candidate Starts for KappaFarmDelta_40:
(Start: 179 @29698 has 38 MA's), (332, 29995), (378, 30121), (395, 30175), (438, 30292), (515, 30433), (530, 30469), (540, 30487), (568, 30547), (578, 30574), (594, 30589), (627, 30625), (641, 30655), (662, 30691), (663, 30694), (702, 30772), (758, 30898), (800, 30976), (810, 30997), (833, 31051),

Gene: Katalie_50 Start: 36352, Stop: 37929, Start Num: 142
Candidate Starts for Katalie_50:
(Start: 96 @36286 has 7 MA's), (Start: 134 @36343 has 6 MA's), (Start: 142 @36352 has 24 MA's), (218, 36472), (269, 36589), (285, 36640), (319, 36721), (321, 36724), (353, 36796), (355, 36805), (356, 36808), (406, 36961), (410, 36970), (430, 37018), (434, 37030), (442, 37054), (492, 37123), (494, 37126), (571, 37258), (602, 37324), (624, 37354), (693, 37453), (701, 37468), (703, 37477), (709, 37486), (719, 37510), (746, 37582), (834, 37771), (854, 37810), (864, 37825), (868, 37834), (877, 37849),

Gene: Katalie136_33 Start: 26647, Stop: 25133, Start Num: 171
Candidate Starts for Katalie136_33:
(Start: 136 @26689 has 1 MA's), (Start: 162 @26656 has 16 MA's), (Start: 171 @26647 has 113 MA's), (250, 26485), (277, 26419), (286, 26401), (325, 26326), (351, 26263), (353, 26260), (380, 26173), (425, 26047), (513, 25864), (551, 25807), (573, 25753), (595, 25702), (682, 25573), (687, 25564), (721, 25489), (724, 25483), (777, 25369), (781, 25360), (796, 25321), (878, 25171), (886, 25156),

Gene: Kaylissa_51 Start: 35709, Stop: 37127, Start Num: 170
Candidate Starts for Kaylissa_51:
(Start: 152 @35691 has 3 MA's), (Start: 165 @35706 has 1 MA's), (Start: 170 @35709 has 33 MA's), (Start: 177 @35718 has 227 MA's), (233, 35832), (Start: 241 @35856 has 1 MA's), (Start: 297 @35940 has 1 MA's), (351, 36051), (356, 36063), (358, 36072), (391, 36171), (425, 36264), (430, 36276), (438, 36303), (523, 36408), (559, 36462), (718, 36783), (723, 36795), (738, 36828), (808, 36966),

Gene: KeAlii_47 Start: 34815, Stop: 36296, Start Num: 164
Candidate Starts for KeAlii_47:
(Start: 164 @34815 has 4 MA's), (Start: 295 @35031 has 1 MA's), (345, 35142), (408, 35355), (749, 36024), (810, 36132), (827, 36174), (863, 36228),

Gene: KekoraPapaka_32 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for KekoraPapaka_32:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Kenmech_40 Start: 30663, Stop: 32255, Start Num: 103

Candidate Starts for Kenmech_40:
(Start: 103 @30663 has 30 MA's), (Start: 107 @30669 has 3 MA's), (Start: 117 @30675 has 12 MA's), (Start: 119 @30678 has 11 MA's), (Start: 126 @30693 has 4 MA's), (Start: 177 @30744 has 227 MA's), (Start: 186 @30759 has 10 MA's), (Start: 295 @30963 has 1 MA's), (Start: 297 @30969 has 1 MA's), (Start: 360 @31119 has 1 MA's), (363, 31128), (365, 31137), (399, 31245), (410, 31266), (417, 31278), (425, 31302), (438, 31344), (510, 31458), (516, 31473), (551, 31533), (574, 31590), (588, 31617), (602, 31644), (610, 31659), (703, 31797), (721, 31836), (738, 31878), (743, 31893), (847, 32112),

Gene: KikiBouba_40 Start: 30716, Stop: 32218, Start Num: 177
Candidate Starts for KikiBouba_40:
(Start: 103 @30635 has 30 MA's), (Start: 107 @30641 has 3 MA's), (Start: 117 @30647 has 12 MA's), (Start: 119 @30650 has 11 MA's), (Start: 126 @30665 has 4 MA's), (Start: 177 @30716 has 227 MA's), (Start: 186 @30731 has 10 MA's), (Start: 295 @30935 has 1 MA's), (Start: 297 @30941 has 1 MA's), (305, 30962), (356, 31079), (Start: 360 @31091 has 1 MA's), (363, 31100), (365, 31109), (395, 31205), (399, 31217), (410, 31238), (417, 31250), (425, 31274), (516, 31445), (551, 31505), (574, 31562), (588, 31589), (602, 31616), (610, 31631), (664, 31700), (689, 31739), (703, 31772), (738, 31853), (743, 31868), (793, 31973), (847, 32087), (906, 32186), (917, 32210),

Gene: Killigrew_35 Start: 28933, Stop: 30432, Start Num: 186
Candidate Starts for Killigrew_35:
(Start: 103 @28837 has 30 MA's), (Start: 107 @28843 has 3 MA's), (Start: 117 @28849 has 12 MA's), (Start: 119 @28852 has 11 MA's), (Start: 126 @28867 has 4 MA's), (Start: 177 @28918 has 227 MA's), (Start: 186 @28933 has 10 MA's), (230, 29026), (Start: 295 @29137 has 1 MA's), (Start: 297 @29143 has 1 MA's), (305, 29164), (Start: 360 @29293 has 1 MA's), (363, 29302), (365, 29311), (366, 29317), (395, 29407), (399, 29419), (417, 29452), (516, 29647), (551, 29707), (574, 29764), (588, 29791), (602, 29818), (610, 29833), (685, 29935), (689, 29941), (703, 29974), (706, 29977), (738, 30055), (743, 30070), (847, 30289),

Gene: Kingmustik0402_33 Start: 26629, Stop: 25115, Start Num: 171
Candidate Starts for Kingmustik0402_33:
(Start: 136 @26671 has 1 MA's), (Start: 162 @26638 has 16 MA's), (Start: 171 @26629 has 113 MA's), (250, 26467), (277, 26401), (286, 26383), (325, 26308), (335, 26284), (351, 26245), (353, 26242), (380, 26155), (425, 26029), (513, 25846), (573, 25735), (595, 25684), (682, 25555), (687, 25546), (721, 25471), (724, 25465), (781, 25342), (796, 25303), (878, 25153), (886, 25138),

Gene: Kinmap_34 Start: 26646, Stop: 25138, Start Num: 154
Candidate Starts for Kinmap_34:
(Start: 154 @26646 has 5 MA's), (Start: 177 @26637 has 227 MA's), (Start: 189 @26619 has 3 MA's), (338, 26337), (396, 26160), (421, 26100), (508, 25938), (523, 25908), (606, 25740), (630, 25701), (679, 25617), (711, 25551), (721, 25524), (724, 25518), (737, 25485), (742, 25470), (840, 25266), (859, 25233), (875, 25221),

Gene: KittenMittens_32 Start: 23842, Stop: 25497, Start Num: 158
Candidate Starts for KittenMittens_32:
(130, 23803), (Start: 158 @23842 has 3 MA's), (Start: 174 @23851 has 3 MA's), (Start: 183 @23869 has 17 MA's), (Start: 192 @23893 has 1 MA's), (230, 23968), (235, 23977), (Start: 241 @23995 has 1 MA's), (Start: 295 @24079 has 1 MA's), (313, 24118), (355, 24220), (363, 24244), (365, 24253), (395, 24349), (410, 24385), (426, 24424), (430, 24433), (432, 24436), (497, 24553), (510, 24574), (516, 24589), (523, 24601), (550, 24649), (568, 24694), (602, 24766), (621, 24790), (689, 24910), (698, 24928), (699, 24931), (701, 24934), (755, 25069), (847, 25258), (902, 25351), (917, 25381), (919, 25405), (923, 25453), (924, 25471),

Gene: KleverKiS_134 Start: 70309, Stop: 68849, Start Num: 133
Candidate Starts for KleverKiS_134:
(Start: 106 @70351 has 11 MA's), (128, 70318), (Start: 133 @70309 has 21 MA's), (190, 70237), (233, 70156), (Start: 259 @70114 has 1 MA's), (277, 70090), (313, 70018), (355, 69901), (373, 69838), (407, 69754), (412, 69742), (430, 69700), (435, 69682), (527, 69520), (539, 69499), (559, 69448), (574, 69421), (587, 69394), (663, 69274), (738, 69124), (774, 69046), (794, 69001), (820, 68944),

Gene: Klodlith_34 Start: 26445, Stop: 24916, Start Num: 184
Candidate Starts for Klodlith_34:
(97, 26547), (Start: 154 @26487 has 5 MA's), (Start: 162 @26478 has 16 MA's), (Start: 183 @26448 has 17 MA's), (Start: 184 @26445 has 3 MA's), (Start: 241 @26319 has 1 MA's), (294, 26214), (328, 26142), (353, 26076), (355, 26067), (436, 25830), (449, 25797), (468, 25758), (496, 25713), (513, 25680), (536, 25662), (573, 25581), (610, 25506), (619, 25491), (682, 25410), (702, 25368), (721, 25326), (753, 25245), (781, 25197), (807, 25134), (839, 25065), (850, 25044), (854, 25035),

Gene: Koan_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for Koan_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Koreni_32 Start: 26343, Stop: 24781, Start Num: 106
Candidate Starts for Koreni_32:
(Start: 106 @26343 has 11 MA's), (Start: 177 @26277 has 227 MA's), (Start: 189 @26259 has 3 MA's), (213, 26205), (239, 26154), (Start: 241 @26142 has 1 MA's), (316, 26016), (328, 25995), (344, 25965), (355, 25926), (366, 25887), (396, 25797), (421, 25737), (439, 25683), (523, 25545), (647, 25314), (693, 25224), (711, 25188), (721, 25161), (742, 25107), (745, 25098), (849, 24888), (859, 24870), (875, 24858), (880, 24849),

Gene: Kratark_33 Start: 26699, Stop: 25137, Start Num: 106
Candidate Starts for Kratark_33:
(70, 26747), (Start: 106 @26699 has 11 MA's), (Start: 154 @26642 has 5 MA's), (Start: 177 @26633 has 227 MA's), (Start: 189 @26615 has 3 MA's), (214, 26558), (223, 26540), (239, 26510), (Start: 241 @26498 has 1 MA's), (316, 26372), (328, 26351), (344, 26321), (355, 26282), (421, 26093), (434, 26057), (439, 26039), (523, 25901), (550, 25856), (647, 25670), (711, 25544), (721, 25517), (742, 25463), (745, 25454), (849, 25244), (859, 25226), (875, 25214), (880, 25205),

Gene: Kratio_37 Start: 30972, Stop: 32417, Start Num: 166
Candidate Starts for Kratio_37:
(31, 30720), (55, 30783), (75, 30837), (130, 30924), (Start: 166 @30972 has 7 MA's), (Start: 206 @31047 has 9 MA's), (211, 31059), (277, 31170), (279, 31173), (296, 31206), (305, 31230), (336, 31293), (363, 31368), (472, 31644), (578, 31866), (584, 31878), (622, 31926), (636, 31956), (645, 31977), (662, 32001), (736, 32154), (772, 32235), (777, 32241), (782, 32253), (796, 32289), (800, 32295), (808, 32313), (810, 32316), (817, 32331), (819, 32337), (839, 32385), (845, 32394),

Gene: Kremtemulon_33 Start: 26749, Stop: 25187, Start Num: 106
Candidate Starts for Kremtemulon_33:
(Start: 106 @26749 has 11 MA's), (Start: 177 @26683 has 227 MA's), (Start: 189 @26665 has 3 MA's), (214, 26608), (223, 26590), (239, 26560), (Start: 241 @26548 has 1 MA's), (316, 26422), (328, 26401), (344, 26371), (355, 26332), (366, 26293), (396, 26203), (421, 26143), (439, 26089), (523, 25951), (606, 25783), (647, 25720), (693, 25630), (711, 25594), (721, 25567), (742, 25513), (745,

25504), (849, 25294), (859, 25276), (875, 25264), (880, 25255),

Gene: Krishelle_29 Start: 23947, Stop: 22448, Start Num: 145
Candidate Starts for Krishelle_29:
(Start: 145 @23947 has 32 MA's), (Start: 177 @23926 has 227 MA's), (Start: 181 @23920 has 3 MA's), (214, 23851), (Start: 241 @23791 has 1 MA's), (321, 23653), (323, 23650), (335, 23623), (355, 23572), (386, 23482), (420, 23386), (425, 23371), (430, 23359), (444, 23320), (497, 23239), (505, 23227), (525, 23188), (536, 23170), (568, 23101), (578, 23074), (584, 23062), (595, 23038), (602, 23029), (624, 22999), (631, 22981), (653, 22960), (668, 22939), (692, 22906), (698, 22894), (742, 22786), (795, 22681), (822, 22621), (840, 22582), (842, 22579), (854, 22555), (859, 22549),

Gene: Kristoff_35 Start: 27044, Stop: 25536, Start Num: 177
Candidate Starts for Kristoff_35:
(Start: 177 @27044 has 227 MA's), (Start: 181 @27038 has 3 MA's), (Start: 189 @27026 has 3 MA's), (190, 27020), (233, 26933), (Start: 241 @26909 has 1 MA's), (338, 26744), (395, 26567), (410, 26528), (417, 26516), (421, 26504), (423, 26501), (426, 26489), (550, 26243), (558, 26222), (632, 26072), (699, 25979), (711, 25955), (717, 25940), (739, 25883), (746, 25862), (867, 25628),

Gene: Kugel_38 Start: 29732, Stop: 31234, Start Num: 177
Candidate Starts for Kugel_38:
(Start: 103 @29651 has 30 MA's), (Start: 107 @29657 has 3 MA's), (Start: 117 @29663 has 12 MA's), (Start: 119 @29666 has 11 MA's), (Start: 126 @29681 has 4 MA's), (Start: 177 @29732 has 227 MA's), (Start: 295 @29951 has 1 MA's), (Start: 297 @29957 has 1 MA's), (305, 29978), (356, 30095), (Start: 360 @30107 has 1 MA's), (363, 30116), (365, 30125), (399, 30233), (410, 30254), (417, 30266), (425, 30290), (438, 30332), (516, 30461), (551, 30521), (574, 30578), (602, 30632), (610, 30647), (689, 30755), (703, 30788), (738, 30869), (743, 30884), (793, 30989), (847, 31103), (852, 31115), (906, 31202), (917, 31226),

Gene: Kumao_96 Start: 59042, Stop: 60475, Start Num: 169
Candidate Starts for Kumao_96:
(100, 58946), (Start: 146 @59015 has 3 MA's), (Start: 161 @59033 has 1 MA's), (Start: 169 @59042 has 1 MA's), (Start: 184 @59066 has 3 MA's), (247, 59189), (277, 59231), (316, 59312), (358, 59414), (363, 59426), (366, 59441), (384, 59486), (430, 59609), (434, 59621), (490, 59714), (509, 59744), (541, 59816), (545, 59825), (587, 59915), (591, 59921), (592, 59927), (652, 60035), (654, 60038), (659, 60047), (662, 60050), (714, 60155), (738, 60206), (761, 60263), (766, 60269), (777, 60287), (781, 60296), (784, 60305), (796, 60335), (802, 60341), (819, 60380),

Gene: KyMonks1A_40 Start: 29951, Stop: 31453, Start Num: 177
Candidate Starts for KyMonks1A_40:
(Start: 103 @29870 has 30 MA's), (Start: 107 @29876 has 3 MA's), (Start: 117 @29882 has 12 MA's), (Start: 119 @29885 has 11 MA's), (Start: 126 @29900 has 4 MA's), (Start: 177 @29951 has 227 MA's), (Start: 295 @30170 has 1 MA's), (Start: 297 @30176 has 1 MA's), (305, 30197), (Start: 360 @30326 has 1 MA's), (363, 30335), (365, 30344), (399, 30452), (410, 30473), (417, 30485), (425, 30509), (438, 30551), (516, 30680), (551, 30740), (574, 30797), (588, 30824), (602, 30851), (610, 30866), (685, 30968), (689, 30974), (703, 31007), (738, 31088), (743, 31103), (847, 31322), (906, 31421), (917, 31445),

Gene: Kyee_33 Start: 26635, Stop: 25121, Start Num: 171
Candidate Starts for Kyee_33:
(Start: 136 @26677 has 1 MA's), (Start: 162 @26644 has 16 MA's), (Start: 171 @26635 has 113 MA's), (250, 26473), (277, 26407), (286, 26389), (325, 26314), (335, 26290), (351, 26251), (353, 26248), (380, 26161), (421, 26047), (425, 26035), (513, 25852), (573, 25741), (595, 25690), (682, 25561), (687, 25552), (721, 25477), (724, 25471), (781, 25348), (796, 25309), (878, 25159), (886,

25144),

Gene: Kykar_36 Start: 28846, Stop: 30429, Start Num: 103
Candidate Starts for Kykar_36:
(Start: 103 @28846 has 30 MA's), (Start: 107 @28852 has 3 MA's), (Start: 117 @28858 has 12 MA's), (Start: 119 @28861 has 11 MA's), (Start: 126 @28876 has 4 MA's), (Start: 177 @28927 has 227 MA's), (Start: 186 @28942 has 10 MA's), (Start: 295 @29146 has 1 MA's), (Start: 297 @29152 has 1 MA's), (305, 29173), (356, 29290), (Start: 360 @29302 has 1 MA's), (363, 29311), (365, 29320), (399, 29428), (410, 29449), (417, 29461), (425, 29485), (438, 29527), (516, 29656), (551, 29716), (574, 29773), (588, 29800), (602, 29827), (604, 29830), (610, 29842), (689, 29950), (703, 29983), (738, 30064), (743, 30079), (793, 30184), (847, 30298), (906, 30397), (917, 30421),

Gene: Lambert1_34 Start: 27244, Stop: 25721, Start Num: 152
Candidate Starts for Lambert1_34:
(Start: 152 @27244 has 3 MA's), (Start: 177 @27229 has 227 MA's), (Start: 181 @27223 has 3 MA's), (Start: 183 @27220 has 17 MA's), (274, 27052), (277, 27046), (338, 26929), (358, 26869), (395, 26752), (410, 26713), (423, 26686), (426, 26674), (485, 26539), (566, 26386), (608, 26296), (632, 26257), (698, 26167), (717, 26125), (721, 26113), (739, 26068), (746, 26047), (852, 25834), (867, 25813),

Gene: Lamina13_37 Start: 29040, Stop: 30542, Start Num: 177
Candidate Starts for Lamina13_37:
(Start: 103 @28959 has 30 MA's), (Start: 107 @28965 has 3 MA's), (Start: 117 @28971 has 12 MA's), (Start: 119 @28974 has 11 MA's), (Start: 126 @28989 has 4 MA's), (Start: 177 @29040 has 227 MA's), (Start: 186 @29055 has 10 MA's), (190, 29064), (Start: 297 @29265 has 1 MA's), (Start: 360 @29415 has 1 MA's), (363, 29424), (365, 29433), (395, 29529), (399, 29541), (410, 29562), (417, 29574), (425, 29598), (438, 29640), (516, 29769), (551, 29829), (574, 29886), (602, 29940), (610, 29955), (689, 30063), (703, 30096), (738, 30177), (743, 30192), (793, 30297), (847, 30411), (906, 30510), (917, 30534),

Gene: Lannister_51 Start: 35058, Stop: 36647, Start Num: 142
Candidate Starts for Lannister_51:
(91, 34986), (98, 34995), (102, 35001), (Start: 142 @35058 has 24 MA's), (197, 35130), (218, 35184), (254, 35268), (261, 35283), (272, 35316), (313, 35418), (321, 35436), (355, 35517), (356, 35520), (395, 35646), (406, 35673), (430, 35730), (434, 35742), (449, 35784), (450, 35787), (480, 35826), (494, 35844), (502, 35856), (624, 36072), (693, 36171), (703, 36195), (717, 36222), (735, 36267), (746, 36300), (830, 36480), (834, 36489), (854, 36528), (895, 36597), (905, 36615),

Gene: LappelDuVide_33 Start: 26636, Stop: 25122, Start Num: 171
Candidate Starts for LappelDuVide_33:
(Start: 136 @26678 has 1 MA's), (Start: 162 @26645 has 16 MA's), (Start: 171 @26636 has 113 MA's), (250, 26474), (277, 26408), (286, 26390), (325, 26315), (335, 26291), (351, 26252), (353, 26249), (380, 26162), (421, 26048), (425, 26036), (513, 25853), (573, 25742), (595, 25691), (682, 25562), (687, 25553), (721, 25478), (724, 25472), (781, 25349), (796, 25310), (878, 25160), (886, 25145),

Gene: LarryKay_36 Start: 27311, Stop: 25743, Start Num: 171
Candidate Starts for LarryKay_36:
(67, 27461), (73, 27446), (Start: 142 @27347 has 24 MA's), (Start: 171 @27311 has 113 MA's), (294, 27056), (304, 27032), (331, 26972), (351, 26924), (353, 26921), (380, 26834), (386, 26822), (391, 26801), (397, 26777), (425, 26708), (450, 26639), (452, 26630), (513, 26525), (536, 26480), (595, 26348), (650, 26264), (685, 26207), (781, 26000), (842, 25859),

Gene: Larva_39 Start: 31141, Stop: 32586, Start Num: 166
Candidate Starts for Larva_39:
(59, 30970), (75, 31006), (130, 31093), (Start: 166 @31141 has 7 MA's), (Start: 206 @31216 has 9 MA's), (211, 31228), (277, 31339), (279, 31342), (296, 31375), (305, 31399), (336, 31462), (363, 31537), (472, 31813), (578, 32035), (584, 32047), (622, 32095), (636, 32125), (645, 32146), (662, 32170), (736, 32323), (772, 32404), (777, 32410), (782, 32422), (796, 32458), (800, 32464), (808, 32482), (810, 32485), (817, 32500), (819, 32506), (839, 32554), (845, 32563),

Gene: LastHope_43 Start: 31352, Stop: 32743, Start Num: 183
Candidate Starts for LastHope_43:
(Start: 163 @31322 has 1 MA's), (Start: 171 @31331 has 113 MA's), (Start: 183 @31352 has 17 MA's), (216, 31424), (243, 31481), (277, 31523), (279, 31526), (Start: 295 @31556 has 1 MA's), (Start: 297 @31562 has 1 MA's), (331, 31634), (373, 31757), (402, 31835), (423, 31865), (438, 31913), (454, 31940), (483, 31982), (488, 31991), (506, 32018), (527, 32066), (546, 32102), (549, 32111), (556, 32129), (579, 32183), (585, 32195), (604, 32225), (636, 32285), (649, 32312), (654, 32318), (659, 32327), (662, 32330), (667, 32342), (677, 32360), (705, 32417), (741, 32492), (746, 32507), (757, 32534), (796, 32609), (819, 32654), (820, 32657), (844, 32708), (855, 32732), (860, 32738),

Gene: Legacy_48 Start: 34174, Stop: 35496, Start Num: 183
Candidate Starts for Legacy_48:
(Start: 176 @34162 has 14 MA's), (Start: 183 @34174 has 17 MA's), (190, 34189), (229, 34276), (Start: 232 @34279 has 1 MA's), (246, 34303), (277, 34345), (283, 34354), (303, 34396), (305, 34405), (313, 34417), (352, 34507), (355, 34516), (363, 34540), (402, 34660), (411, 34666), (460, 34756), (483, 34771), (488, 34780), (509, 34813), (557, 34924), (559, 34930), (578, 34978), (590, 34993), (596, 35008), (636, 35068), (643, 35077), (649, 35092), (695, 35170), (717, 35203), (734, 35233), (749, 35281), (789, 35359), (810, 35407), (816, 35416), (825, 35443), (846, 35482),

Gene: Lego_49 Start: 35038, Stop: 36447, Start Num: 177
Candidate Starts for Lego_49:
(Start: 177 @35038 has 227 MA's), (233, 35152), (Start: 241 @35176 has 1 MA's), (Start: 297 @35260 has 1 MA's), (351, 35371), (356, 35383), (358, 35392), (391, 35491), (425, 35584), (430, 35596), (438, 35623), (559, 35782), (718, 36103), (723, 36115), (738, 36148), (808, 36286),

Gene: Lemur_33 Start: 26634, Stop: 25120, Start Num: 171
Candidate Starts for Lemur_33:
(Start: 136 @26676 has 1 MA's), (Start: 162 @26643 has 16 MA's), (Start: 171 @26634 has 113 MA's), (250, 26472), (277, 26406), (286, 26388), (325, 26313), (335, 26289), (351, 26250), (353, 26247), (380, 26160), (421, 26046), (425, 26034), (513, 25851), (573, 25740), (595, 25689), (682, 25560), (687, 25551), (721, 25476), (724, 25470), (781, 25347), (796, 25308), (878, 25158), (886, 25143),

Gene: Lesedi_36 Start: 29315, Stop: 30817, Start Num: 177
Candidate Starts for Lesedi_36:
(Start: 103 @29234 has 30 MA's), (Start: 107 @29240 has 3 MA's), (Start: 117 @29246 has 12 MA's), (Start: 119 @29249 has 11 MA's), (Start: 126 @29264 has 4 MA's), (Start: 177 @29315 has 227 MA's), (Start: 295 @29534 has 1 MA's), (Start: 297 @29540 has 1 MA's), (305, 29561), (Start: 360 @29690 has 1 MA's), (363, 29699), (365, 29708), (399, 29816), (410, 29837), (417, 29849), (425, 29873), (438, 29915), (516, 30044), (551, 30104), (574, 30161), (602, 30215), (610, 30230), (689, 30338), (703, 30371), (738, 30452), (743, 30467), (793, 30572), (847, 30686), (906, 30785), (917, 30809),

Gene: Leston_38 Start: 31447, Stop: 32853, Start Num: 179
Candidate Starts for Leston_38:

(Start: 172 @31438 has 26 MA's), (Start: 179 @31447 has 38 MA's), (235, 31567), (332, 31744), (346, 31768), (362, 31819), (375, 31861), (391, 31909), (397, 31930), (406, 31957), (410, 31966), (423, 31993), (430, 32014), (435, 32032), (446, 32059), (477, 32104), (492, 32110), (543, 32215), (575, 32281), (578, 32290), (591, 32311), (600, 32329), (666, 32446), (667, 32449), (719, 32557), (735, 32593), (769, 32665), (773, 32674), (796, 32725), (816, 32764), (821, 32776), (824, 32785), (843, 32815), (851, 32830),

Gene: Lev2_30 Start: 25599, Stop: 24106, Start Num: 177
Candidate Starts for Lev2_30:
(Start: 177 @25599 has 227 MA's), (Start: 192 @25566 has 1 MA's), (Start: 193 @25563 has 3 MA's), (Start: 206 @25545 has 9 MA's), (Start: 241 @25464 has 1 MA's), (326, 25320), (340, 25293), (356, 25245), (410, 25080), (421, 25056), (423, 25053), (430, 25032), (536, 24843), (624, 24672), (698, 24537), (717, 24495), (721, 24483), (754, 24399), (763, 24384), (777, 24369), (859, 24192), (887, 24162), (907, 24129),

Gene: Levia_34 Start: 29230, Stop: 30810, Start Num: 119
Candidate Starts for Levia_34:
(Start: 103 @29215 has 30 MA's), (Start: 107 @29221 has 3 MA's), (Start: 117 @29227 has 12 MA's), (Start: 119 @29230 has 11 MA's), (Start: 126 @29245 has 4 MA's), (Start: 177 @29296 has 227 MA's), (Start: 186 @29311 has 10 MA's), (Start: 295 @29515 has 1 MA's), (Start: 297 @29521 has 1 MA's), (305, 29542), (356, 29659), (Start: 360 @29671 has 1 MA's), (363, 29680), (365, 29689), (395, 29785), (399, 29797), (410, 29818), (417, 29830), (425, 29854), (516, 30025), (551, 30085), (574, 30142), (588, 30169), (602, 30196), (604, 30199), (610, 30211), (689, 30319), (738, 30433), (743, 30448), (847, 30667),

Gene: Leviticus_49 Start: 34067, Stop: 35401, Start Num: 176
Candidate Starts for Leviticus_49:
(Start: 176 @34067 has 14 MA's), (Start: 183 @34079 has 17 MA's), (190, 34094), (229, 34181), (Start: 232 @34184 has 1 MA's), (246, 34208), (277, 34250), (283, 34259), (303, 34301), (305, 34310), (313, 34322), (352, 34412), (355, 34421), (363, 34445), (402, 34565), (411, 34571), (460, 34661), (483, 34676), (488, 34685), (509, 34718), (557, 34829), (559, 34835), (578, 34883), (590, 34898), (596, 34913), (636, 34973), (649, 34997), (696, 35078), (717, 35108), (734, 35138), (749, 35186), (789, 35264), (810, 35312), (816, 35321), (825, 35348), (846, 35387),

Gene: Licorice_39 Start: 30385, Stop: 31887, Start Num: 177
Candidate Starts for Licorice_39:
(Start: 103 @30304 has 30 MA's), (Start: 107 @30310 has 3 MA's), (Start: 117 @30316 has 12 MA's), (Start: 119 @30319 has 11 MA's), (Start: 126 @30334 has 4 MA's), (Start: 177 @30385 has 227 MA's), (Start: 297 @30610 has 1 MA's), (Start: 360 @30760 has 1 MA's), (363, 30769), (365, 30778), (399, 30886), (410, 30907), (417, 30919), (425, 30943), (438, 30985), (516, 31114), (551, 31174), (574, 31231), (588, 31258), (602, 31285), (610, 31300), (664, 31369), (689, 31408), (703, 31441), (738, 31522), (743, 31537), (847, 31756), (906, 31855), (917, 31879),

Gene: Liebe_51 Start: 37490, Stop: 38902, Start Num: 177
Candidate Starts for Liebe_51:
(Start: 177 @37490 has 227 MA's), (Start: 241 @37628 has 1 MA's), (320, 37763), (351, 37823), (356, 37835), (362, 37853), (372, 37892), (423, 38027), (425, 38036), (516, 38168), (523, 38180), (571, 38261), (682, 38471), (699, 38504), (718, 38546), (730, 38573), (738, 38591), (810, 38732), (848, 38795), (861, 38819), (908, 38897),

Gene: Lika_49 Start: 35118, Stop: 36695, Start Num: 142
Candidate Starts for Lika_49:

(Start: 96 @35052 has 7 MA's), (Start: 142 @35118 has 24 MA's), (218, 35238), (261, 35337), (269, 35355), (285, 35406), (319, 35487), (321, 35490), (353, 35562), (355, 35571), (356, 35574), (406, 35727), (430, 35784), (432, 35787), (434, 35796), (571, 36024), (602, 36090), (624, 36120), (693, 36219), (703, 36243), (709, 36252), (719, 36276), (746, 36348), (834, 36537), (854, 36576), (868, 36600), (877, 36615), (885, 36630),

Gene: LilBib_37 Start: 30176, Stop: 31678, Start Num: 177
Candidate Starts for LilBib_37:
(Start: 103 @30095 has 30 MA's), (Start: 107 @30101 has 3 MA's), (Start: 117 @30107 has 12 MA's), (Start: 119 @30110 has 11 MA's), (Start: 126 @30125 has 4 MA's), (Start: 177 @30176 has 227 MA's), (Start: 186 @30191 has 10 MA's), (Start: 295 @30395 has 1 MA's), (Start: 297 @30401 has 1 MA's), (303, 30413), (305, 30422), (Start: 360 @30551 has 1 MA's), (363, 30560), (365, 30569), (399, 30677), (417, 30710), (425, 30734), (438, 30776), (516, 30905), (551, 30965), (574, 31022), (588, 31049), (602, 31076), (610, 31091), (689, 31199), (703, 31232), (738, 31313), (743, 31328), (793, 31433), (847, 31547), (906, 31646), (917, 31670),

Gene: LilDirt_38 Start: 31257, Stop: 32627, Start Num: 206
Candidate Starts for LilDirt_38:
(31, 30930), (55, 30993), (75, 31047), (130, 31134), (Start: 166 @31182 has 7 MA's), (Start: 206 @31257 has 9 MA's), (211, 31269), (277, 31380), (279, 31383), (296, 31416), (305, 31440), (336, 31503), (363, 31578), (472, 31854), (578, 32076), (584, 32088), (622, 32136), (636, 32166), (645, 32187), (662, 32211), (736, 32364), (772, 32445), (777, 32451), (782, 32463), (796, 32499), (800, 32505), (810, 32526), (817, 32541), (819, 32547), (839, 32595), (845, 32604),

Gene: Lilbooboo_54 Start: 38473, Stop: 40032, Start Num: 191
Candidate Starts for Lilbooboo_54:
(Start: 124 @38377 has 1 MA's), (Start: 157 @38422 has 10 MA's), (Start: 165 @38431 has 1 MA's), (Start: 191 @38473 has 3 MA's), (279, 38659), (281, 38662), (298, 38695), (303, 38704), (321, 38743), (340, 38779), (353, 38809), (356, 38821), (372, 38878), (373, 38881), (381, 38899), (385, 38908), (524, 39235), (529, 39247), (536, 39265), (550, 39292), (568, 39337), (597, 39409), (602, 39415), (606, 39421), (624, 39445), (653, 39490), (685, 39544), (716, 39604), (746, 39688), (806, 39805), (839, 39877), (883, 39955), (890, 39967),

Gene: LilhomieP_131 Start: 70102, Stop: 68642, Start Num: 133
Candidate Starts for LilhomieP_131:
(Start: 106 @70144 has 11 MA's), (128, 70111), (Start: 133 @70102 has 21 MA's), (190, 70030), (233, 69949), (Start: 259 @69907 has 1 MA's), (277, 69883), (313, 69811), (355, 69694), (373, 69631), (407, 69547), (412, 69535), (430, 69493), (435, 69475), (527, 69313), (539, 69292), (559, 69241), (574, 69214), (587, 69187), (663, 69067), (738, 68917), (774, 68839), (794, 68794), (820, 68737),

Gene: Lillie_29 Start: 23636, Stop: 22140, Start Num: 145
Candidate Starts for Lillie_29:
(Start: 145 @23636 has 32 MA's), (Start: 177 @23615 has 227 MA's), (Start: 181 @23609 has 3 MA's), (Start: 241 @23480 has 1 MA's), (277, 23432), (363, 23240), (397, 23129), (423, 23069), (426, 23057), (449, 22994), (471, 22964), (495, 22931), (508, 22910), (523, 22880), (531, 22865), (536, 22859), (558, 22811), (571, 22778), (595, 22721), (624, 22682), (627, 22676), (693, 22580), (709, 22547), (718, 22526), (721, 22517), (796, 22355),

Gene: LisoBros_46 Start: 36667, Stop: 38088, Start Num: 177
Candidate Starts for LisoBros_46:
(Start: 177 @36667 has 227 MA's), (235, 36784), (270, 36841), (296, 36883), (305, 36907), (312, 36919), (328, 36952), (351, 36997), (356, 37009), (362, 37027), (365, 37039), (392, 37120), (408, 37168), (438, 37249), (449, 37276), (497, 37309), (508, 37327), (525, 37360), (559, 37408), (624,

37546), (717, 37729), (789, 37876), (832, 37969), (863, 38017), (881, 38047), (891, 38065),

Gene: LittleB_33 Start: 26638, Stop: 25124, Start Num: 171
Candidate Starts for LittleB_33:
(Start: 136 @26680 has 1 MA's), (Start: 162 @26647 has 16 MA's), (Start: 171 @26638 has 113 MA's), (250, 26476), (277, 26410), (286, 26392), (325, 26317), (335, 26293), (351, 26254), (353, 26251), (380, 26164), (421, 26050), (425, 26038), (513, 25855), (573, 25744), (595, 25693), (682, 25564), (687, 25555), (721, 25480), (724, 25474), (781, 25351), (796, 25312), (878, 25162), (886, 25147),

Gene: LittleCherry_30 Start: 25778, Stop: 24285, Start Num: 177
Candidate Starts for LittleCherry_30:
(Start: 177 @25778 has 227 MA's), (Start: 192 @25745 has 1 MA's), (Start: 193 @25742 has 3 MA's), (Start: 206 @25724 has 9 MA's), (Start: 241 @25643 has 1 MA's), (326, 25499), (340, 25472), (356, 25424), (410, 25259), (421, 25235), (423, 25232), (430, 25211), (536, 25022), (602, 24881), (624, 24851), (717, 24674), (721, 24662), (754, 24578), (763, 24563), (777, 24548), (859, 24371), (887, 24341), (907, 24308),

Gene: LittleGuy_33 Start: 26578, Stop: 25082, Start Num: 177
Candidate Starts for LittleGuy_33:
(Start: 106 @26644 has 11 MA's), (Start: 177 @26578 has 227 MA's), (Start: 189 @26560 has 3 MA's), (213, 26506), (239, 26455), (Start: 241 @26443 has 1 MA's), (316, 26317), (328, 26296), (344, 26266), (355, 26227), (366, 26188), (396, 26098), (421, 26038), (439, 25984), (523, 25846), (647, 25615), (693, 25525), (711, 25489), (721, 25462), (745, 25399), (849, 25189), (859, 25171), (875, 25159), (880, 25150),

Gene: Lizalica_49 Start: 34782, Stop: 36191, Start Num: 177
Candidate Starts for Lizalica_49:
(Start: 177 @34782 has 227 MA's), (Start: 297 @35004 has 1 MA's), (318, 35052), (351, 35115), (356, 35127), (358, 35136), (391, 35235), (425, 35328), (438, 35367), (559, 35526), (711, 35829), (718, 35847), (723, 35859), (738, 35892), (808, 36030),

Gene: LochMonster_33 Start: 26613, Stop: 25117, Start Num: 177
Candidate Starts for LochMonster_33:
(Start: 106 @26679 has 11 MA's), (Start: 177 @26613 has 227 MA's), (Start: 189 @26595 has 3 MA's), (214, 26538), (223, 26520), (239, 26490), (Start: 241 @26478 has 1 MA's), (316, 26352), (328, 26331), (344, 26301), (355, 26262), (366, 26223), (396, 26133), (421, 26073), (439, 26019), (523, 25881), (647, 25650), (693, 25560), (711, 25524), (721, 25497), (742, 25443), (745, 25434), (849, 25224), (859, 25206), (875, 25194), (880, 25185),

Gene: Lockley_38 Start: 29430, Stop: 30932, Start Num: 177
Candidate Starts for Lockley_38:
(Start: 103 @29349 has 30 MA's), (Start: 107 @29355 has 3 MA's), (Start: 117 @29361 has 12 MA's), (Start: 119 @29364 has 11 MA's), (Start: 126 @29379 has 4 MA's), (Start: 177 @29430 has 227 MA's), (Start: 183 @29439 has 17 MA's), (Start: 186 @29445 has 10 MA's), (190, 29454), (Start: 295 @29649 has 1 MA's), (Start: 297 @29655 has 1 MA's), (305, 29676), (356, 29793), (Start: 360 @29805 has 1 MA's), (363, 29814), (365, 29823), (399, 29931), (410, 29952), (417, 29964), (425, 29988), (438, 30030), (516, 30159), (551, 30219), (574, 30276), (602, 30330), (610, 30345), (685, 30447), (689, 30453), (738, 30567), (743, 30582), (847, 30801), (906, 30900), (917, 30924),

Gene: London_48 Start: 35959, Stop: 37380, Start Num: 170
Candidate Starts for London_48:

(Start: 152 @35941 has 3 MA's), (Start: 165 @35956 has 1 MA's), (Start: 170 @35959 has 33 MA's), (Start: 177 @35968 has 227 MA's), (233, 36082), (Start: 241 @36106 has 1 MA's), (Start: 297 @36190 has 1 MA's), (312, 36223), (318, 36238), (351, 36301), (356, 36313), (358, 36322), (391, 36421), (403, 36463), (425, 36514), (438, 36553), (510, 36631), (523, 36658), (711, 37018), (716, 37027), (718, 37036), (723, 37048), (808, 37219), (859, 37306),

Gene: Loofah_55 Start: 37744, Stop: 39162, Start Num: 157
Candidate Starts for Loofah_55:
(Start: 157 @37744 has 10 MA's), (160, 37747), (Start: 226 @37873 has 1 MA's), (229, 37879), (277, 37951), (281, 37957), (321, 38029), (340, 38059), (341, 38062), (Start: 360 @38116 has 1 MA's), (402, 38245), (412, 38254), (429, 38293), (463, 38368), (483, 38404), (488, 38413), (517, 38464), (659, 38746), (698, 38815), (738, 38899), (781, 38989), (784, 38998), (810, 39055), (838, 39112), (841, 39118), (861, 39151),

Gene: Lopton_38 Start: 30822, Stop: 32324, Start Num: 177
Candidate Starts for Lopton_38:
(Start: 103 @30741 has 30 MA's), (Start: 107 @30747 has 3 MA's), (Start: 117 @30753 has 12 MA's), (Start: 119 @30756 has 11 MA's), (Start: 126 @30771 has 4 MA's), (Start: 177 @30822 has 227 MA's), (235, 30939), (Start: 295 @31041 has 1 MA's), (Start: 297 @31047 has 1 MA's), (305, 31068), (356, 31185), (Start: 360 @31197 has 1 MA's), (363, 31206), (365, 31215), (399, 31323), (410, 31344), (417, 31356), (425, 31380), (438, 31422), (516, 31551), (551, 31611), (574, 31668), (588, 31695), (602, 31722), (604, 31725), (610, 31737), (664, 31806), (689, 31845), (703, 31878), (738, 31959), (743, 31974), (793, 32079), (847, 32193), (906, 32292), (917, 32316),

Gene: Lorelei_51 Start: 35146, Stop: 36723, Start Num: 142
Candidate Starts for Lorelei_51:
(Start: 96 @35080 has 7 MA's), (Start: 142 @35146 has 24 MA's), (218, 35266), (269, 35383), (285, 35434), (319, 35515), (321, 35518), (353, 35590), (355, 35599), (356, 35602), (357, 35605), (363, 35623), (406, 35755), (430, 35812), (432, 35815), (434, 35824), (442, 35848), (492, 35917), (568, 36043), (571, 36052), (602, 36118), (624, 36148), (693, 36247), (703, 36271), (709, 36280), (719, 36304), (746, 36376), (834, 36565), (854, 36604), (868, 36628), (877, 36643), (885, 36658),

Gene: Lorenzo_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for Lorenzo_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Louie6_36 Start: 27310, Stop: 25742, Start Num: 171
Candidate Starts for Louie6_36:
(67, 27460), (73, 27445), (Start: 142 @27346 has 24 MA's), (Start: 171 @27310 has 113 MA's), (294, 27055), (304, 27031), (331, 26971), (351, 26923), (353, 26920), (380, 26833), (386, 26821), (391, 26800), (397, 26776), (425, 26707), (450, 26638), (452, 26629), (513, 26524), (536, 26479), (595, 26347), (650, 26263), (685, 26206), (781, 25999), (842, 25858),

Gene: LunarLander_38 Start: 29509, Stop: 31008, Start Num: 177
Candidate Starts for LunarLander_38:
(Start: 103 @29428 has 30 MA's), (Start: 107 @29434 has 3 MA's), (Start: 117 @29440 has 12 MA's), (Start: 119 @29443 has 11 MA's), (Start: 126 @29458 has 4 MA's), (Start: 177 @29509 has 227 MA's), (Start: 295 @29728 has 1 MA's), (Start: 297 @29734 has 1 MA's), (305, 29755), (Start: 360 @29884 has 1 MA's), (363, 29893), (365, 29902), (399, 30010), (410, 30031), (417, 30043), (425,

30067), (438, 30109), (516, 30238), (551, 30298), (574, 30355), (588, 30382), (602, 30409), (604, 30412), (610, 30424), (685, 30523), (703, 30562), (738, 30643), (743, 30658), (793, 30763), (847, 30877), (906, 30976), (917, 31000),

Gene: Lunsford_34 Start: 26634, Stop: 25120, Start Num: 171
Candidate Starts for Lunsford_34:
(Start: 136 @26676 has 1 MA's), (Start: 162 @26643 has 16 MA's), (Start: 171 @26634 has 113 MA's), (250, 26472), (277, 26406), (286, 26388), (325, 26313), (335, 26289), (351, 26250), (353, 26247), (421, 26046), (425, 26034), (513, 25851), (573, 25740), (595, 25689), (682, 25560), (687, 25551), (721, 25476), (724, 25470), (781, 25347), (796, 25308), (878, 25158), (886, 25143),

Gene: Lysidious_38 Start: 30792, Stop: 32183, Start Num: 179
Candidate Starts for Lysidious_38:
(76, 30651), (92, 30678), (Start: 149 @30762 has 5 MA's), (Start: 172 @30783 has 26 MA's), (Start: 179 @30792 has 38 MA's), (Start: 206 @30849 has 9 MA's), (235, 30912), (Start: 295 @31005 has 1 MA's), (332, 31089), (334, 31092), (366, 31182), (368, 31188), (378, 31215), (395, 31269), (438, 31386), (481, 31464), (540, 31581), (543, 31590), (568, 31641), (578, 31668), (594, 31683), (641, 31749), (643, 31752), (654, 31773), (662, 31785), (663, 31788), (702, 31866), (729, 31923), (758, 31992), (764, 32001), (776, 32019), (800, 32070),

Gene: MPlant7149_37 Start: 29019, Stop: 30602, Start Num: 103
Candidate Starts for MPlant7149_37:
(Start: 103 @29019 has 30 MA's), (Start: 107 @29025 has 3 MA's), (Start: 117 @29031 has 12 MA's), (Start: 119 @29034 has 11 MA's), (Start: 126 @29049 has 4 MA's), (Start: 177 @29100 has 227 MA's), (230, 29208), (Start: 295 @29319 has 1 MA's), (Start: 297 @29325 has 1 MA's), (303, 29337), (305, 29346), (323, 29379), (356, 29463), (Start: 360 @29475 has 1 MA's), (363, 29484), (365, 29493), (399, 29601), (410, 29622), (417, 29634), (425, 29658), (438, 29700), (516, 29829), (551, 29889), (574, 29946), (588, 29973), (594, 29988), (595, 29991), (602, 30000), (604, 30003), (610, 30015), (664, 30084), (689, 30123), (703, 30156), (738, 30237), (743, 30252), (793, 30357), (847, 30471), (906, 30570), (917, 30594),

Gene: MaGuCo_47 Start: 36178, Stop: 37593, Start Num: 177
Candidate Starts for MaGuCo_47:
(Start: 177 @36178 has 227 MA's), (Start: 241 @36316 has 1 MA's), (351, 36511), (356, 36523), (362, 36541), (381, 36601), (387, 36610), (423, 36715), (425, 36724), (516, 36856), (523, 36868), (571, 36949), (682, 37159), (699, 37192), (718, 37234), (730, 37261), (738, 37279), (810, 37420), (848, 37483), (856, 37501), (861, 37507), (903, 37579), (908, 37585),

Gene: Mabodamaca_60 Start: 40399, Stop: 41982, Start Num: 125
Candidate Starts for Mabodamaca_60:
(Start: 116 @40381 has 1 MA's), (Start: 125 @40399 has 2 MA's), (Start: 140 @40417 has 2 MA's), (282, 40633), (310, 40693), (363, 40855), (369, 40879), (505, 41197), (623, 41431), (693, 41554), (737, 41659), (749, 41695), (768, 41719), (777, 41728), (802, 41782), (806, 41794), (825, 41839), (863, 41896),

Gene: Madraxi_55 Start: 38153, Stop: 39541, Start Num: 162
Candidate Starts for Madraxi_55:
(Start: 105 @38075 has 4 MA's), (112, 38084), (Start: 162 @38153 has 16 MA's), (190, 38198), (Start: 206 @38228 has 9 MA's), (230, 38282), (235, 38291), (243, 38309), (346, 38492), (356, 38525), (375, 38585), (423, 38717), (426, 38729), (435, 38756), (488, 38840), (540, 38942), (541, 38945), (569, 39005), (594, 39044), (623, 39071), (636, 39101), (640, 39107), (645, 39122), (662, 39146), (681, 39188), (714, 39251), (738, 39311), (739, 39314), (796, 39431), (810, 39458), (814, 39467), (826, 39497),

Gene: Magnar_37 Start: 29288, Stop: 30790, Start Num: 177
Candidate Starts for Magnar_37:
(Start: 103 @29207 has 30 MA's), (Start: 107 @29213 has 3 MA's), (Start: 117 @29219 has 12 MA's), (Start: 119 @29222 has 11 MA's), (Start: 126 @29237 has 4 MA's), (Start: 177 @29288 has 227 MA's), (Start: 186 @29303 has 10 MA's), (Start: 295 @29507 has 1 MA's), (Start: 297 @29513 has 1 MA's), (303, 29525), (305, 29534), (356, 29651), (Start: 360 @29663 has 1 MA's), (363, 29672), (365, 29681), (399, 29789), (410, 29810), (417, 29822), (425, 29846), (438, 29888), (516, 30017), (551, 30077), (574, 30134), (588, 30161), (602, 30188), (604, 30191), (610, 30203), (664, 30272), (689, 30311), (703, 30344), (738, 30425), (743, 30440), (793, 30545), (847, 30659), (906, 30758), (917, 30782),

Gene: Magnito_36 Start: 29012, Stop: 30595, Start Num: 103
Candidate Starts for Magnito_36:
(Start: 103 @29012 has 30 MA's), (Start: 107 @29018 has 3 MA's), (Start: 117 @29024 has 12 MA's), (Start: 119 @29027 has 11 MA's), (Start: 126 @29042 has 4 MA's), (Start: 177 @29093 has 227 MA's), (Start: 295 @29312 has 1 MA's), (Start: 297 @29318 has 1 MA's), (305, 29339), (Start: 360 @29468 has 1 MA's), (363, 29477), (365, 29486), (399, 29594), (410, 29615), (417, 29627), (425, 29651), (438, 29693), (516, 29822), (551, 29882), (574, 29939), (602, 29993), (604, 29996), (610, 30008), (689, 30116), (703, 30149), (706, 30152), (738, 30230), (743, 30245), (793, 30350), (801, 30365), (847, 30464), (906, 30563), (917, 30587),

Gene: Maja_29 Start: 25557, Stop: 24160, Start Num: 225
Candidate Starts for Maja_29:
(194, 25635), (Start: 225 @25557 has 1 MA's), (293, 25380), (296, 25374), (306, 25344), (358, 25200), (543, 24819), (564, 24765), (583, 24723), (612, 24696), (654, 24609), (657, 24606), (697, 24519), (743, 24423), (761, 24384), (781, 24351),

Gene: Makemake_38 Start: 30742, Stop: 32256, Start Num: 177
Candidate Starts for Makemake_38:
(Start: 103 @30661 has 30 MA's), (Start: 107 @30667 has 3 MA's), (Start: 117 @30673 has 12 MA's), (Start: 119 @30676 has 11 MA's), (Start: 126 @30691 has 4 MA's), (Start: 177 @30742 has 227 MA's), (Start: 186 @30757 has 10 MA's), (Start: 295 @30961 has 1 MA's), (Start: 297 @30967 has 1 MA's), (305, 30988), (356, 31105), (Start: 360 @31117 has 1 MA's), (363, 31126), (365, 31135), (366, 31141), (395, 31231), (399, 31243), (417, 31276), (516, 31471), (536, 31504), (551, 31531), (574, 31588), (602, 31642), (610, 31657), (689, 31765), (703, 31798), (738, 31879), (743, 31894), (847, 32113),

Gene: Malachai_38 Start: 31872, Stop: 33263, Start Num: 179
Candidate Starts for Malachai_38:
(120, 31794), (Start: 136 @31824 has 1 MA's), (Start: 149 @31842 has 5 MA's), (Start: 179 @31872 has 38 MA's), (235, 31992), (Start: 295 @32085 has 1 MA's), (366, 32262), (368, 32268), (378, 32295), (395, 32349), (438, 32466), (481, 32544), (568, 32721), (578, 32748), (594, 32763), (641, 32829), (643, 32832), (654, 32853), (657, 32856), (662, 32865), (663, 32868), (702, 32946), (707, 32955), (729, 33003), (758, 33072), (764, 33081), (776, 33099), (796, 33144), (800, 33150), (810, 33171), (833, 33225),

Gene: MalagasyRose_41 Start: 30932, Stop: 32326, Start Num: 179
Candidate Starts for MalagasyRose_41:
(Start: 179 @30932 has 38 MA's), (190, 30956), (Start: 221 @31019 has 6 MA's), (235, 31052), (Start: 295 @31145 has 1 MA's), (296, 31148), (Start: 297 @31151 has 1 MA's), (317, 31196), (332, 31229), (334, 31232), (349, 31262), (362, 31304), (375, 31346), (391, 31394), (397, 31415), (410, 31451), (423, 31478), (438, 31526), (568, 31748), (569, 31751), (575, 31766), (578, 31775), (591, 31796),

(600, 31814), (636, 31877), (662, 31922), (702, 32006), (735, 32075), (739, 32087), (773, 32156), (776, 32159), (780, 32168), (788, 32189), (791, 32195), (798, 32210), (819, 32255), (821, 32261), (824, 32270), (843, 32300),

Gene: Manatee_38 Start: 29063, Stop: 30628, Start Num: 119
Candidate Starts for Manatee_38:
(Start: 103 @29048 has 30 MA's), (Start: 107 @29054 has 3 MA's), (Start: 117 @29060 has 12 MA's), (Start: 119 @29063 has 11 MA's), (Start: 126 @29078 has 4 MA's), (Start: 177 @29129 has 227 MA's), (Start: 295 @29348 has 1 MA's), (Start: 297 @29354 has 1 MA's), (305, 29375), (356, 29492), (Start: 360 @29504 has 1 MA's), (363, 29513), (365, 29522), (366, 29528), (395, 29618), (399, 29630), (410, 29651), (417, 29663), (425, 29687), (438, 29729), (516, 29858), (551, 29918), (574, 29975), (580, 29990), (602, 30029), (610, 30044), (703, 30182), (721, 30221), (734, 30248), (743, 30278), (847, 30497), (906, 30596), (917, 30620),

Gene: Maneekul_50 Start: 36203, Stop: 37825, Start Num: 134
Candidate Starts for Maneekul_50:
(Start: 96 @36146 has 7 MA's), (Start: 134 @36203 has 6 MA's), (Start: 142 @36212 has 24 MA's), (218, 36359), (261, 36458), (269, 36476), (285, 36527), (319, 36608), (321, 36611), (353, 36683), (355, 36692), (356, 36695), (395, 36821), (406, 36848), (434, 36917), (450, 36962), (502, 37031), (521, 37058), (552, 37106), (571, 37154), (591, 37193), (602, 37220), (624, 37250), (703, 37373), (731, 37433), (746, 37478), (808, 37607), (830, 37658), (834, 37667), (854, 37706), (868, 37730), (877, 37745), (885, 37760), (895, 37775),

Gene: Marav_53 Start: 36467, Stop: 37948, Start Num: 118
Candidate Starts for Marav_53:
(24, 36248), (49, 36326), (60, 36368), (68, 36386), (99, 36443), (Start: 118 @36467 has 3 MA's), (Start: 149 @36518 has 5 MA's), (Start: 157 @36527 has 10 MA's), (Start: 226 @36659 has 1 MA's), (277, 36737), (321, 36815), (341, 36848), (Start: 360 @36902 has 1 MA's), (402, 37031), (429, 37079), (483, 37190), (488, 37199), (515, 37247), (517, 37250), (533, 37289), (609, 37448), (659, 37532), (720, 37649), (738, 37685), (781, 37775), (784, 37784), (810, 37841), (833, 37889), (838, 37898), (861, 37937),

Gene: Marcell_37 Start: 29790, Stop: 31292, Start Num: 177
Candidate Starts for Marcell_37:
(Start: 103 @29709 has 30 MA's), (Start: 107 @29715 has 3 MA's), (Start: 119 @29724 has 11 MA's), (Start: 126 @29739 has 4 MA's), (Start: 177 @29790 has 227 MA's), (Start: 295 @30009 has 1 MA's), (Start: 297 @30015 has 1 MA's), (305, 30036), (323, 30069), (Start: 360 @30165 has 1 MA's), (363, 30174), (365, 30183), (399, 30291), (410, 30312), (417, 30324), (425, 30348), (438, 30390), (516, 30519), (551, 30579), (574, 30636), (602, 30690), (604, 30693), (610, 30705), (689, 30813), (703, 30846), (738, 30927), (743, 30942), (793, 31047), (847, 31161), (906, 31260), (917, 31284),

Gene: Marchy_32 Start: 26377, Stop: 27891, Start Num: 177
Candidate Starts for Marchy_32:
(Start: 103 @26296 has 30 MA's), (Start: 107 @26302 has 3 MA's), (Start: 117 @26308 has 12 MA's), (Start: 119 @26311 has 11 MA's), (Start: 126 @26326 has 4 MA's), (Start: 177 @26377 has 227 MA's), (Start: 295 @26596 has 1 MA's), (Start: 297 @26602 has 1 MA's), (305, 26623), (Start: 360 @26752 has 1 MA's), (363, 26761), (365, 26770), (395, 26866), (399, 26878), (417, 26911), (430, 26947), (516, 27106), (551, 27166), (574, 27223), (602, 27277), (610, 27292), (689, 27400), (721, 27472), (738, 27514), (743, 27529), (847, 27748),

Gene: Marco3_37 Start: 29594, Stop: 31177, Start Num: 103
Candidate Starts for Marco3_37:

(Start: 103 @29594 has 30 MA's), (Start: 107 @29600 has 3 MA's), (Start: 117 @29606 has 12 MA's), (Start: 119 @29609 has 11 MA's), (Start: 126 @29624 has 4 MA's), (Start: 177 @29675 has 227 MA's), (230, 29783), (Start: 295 @29894 has 1 MA's), (Start: 297 @29900 has 1 MA's), (305, 29921), (356, 30038), (Start: 360 @30050 has 1 MA's), (363, 30059), (365, 30068), (399, 30176), (410, 30197), (417, 30209), (425, 30233), (438, 30275), (516, 30404), (551, 30464), (574, 30521), (602, 30575), (604, 30578), (610, 30590), (689, 30698), (703, 30731), (738, 30812), (743, 30827), (793, 30932), (847, 31046), (906, 31145), (917, 31169),

Gene: Marge_38 Start: 30106, Stop: 31677, Start Num: 117
Candidate Starts for Marge_38:
(Start: 107 @30100 has 3 MA's), (Start: 117 @30106 has 12 MA's), (Start: 119 @30109 has 11 MA's), (Start: 126 @30124 has 4 MA's), (Start: 177 @30175 has 227 MA's), (Start: 295 @30394 has 1 MA's), (Start: 297 @30400 has 1 MA's), (305, 30421), (Start: 360 @30550 has 1 MA's), (363, 30559), (365, 30568), (399, 30676), (410, 30697), (417, 30709), (425, 30733), (438, 30775), (516, 30904), (551, 30964), (574, 31021), (588, 31048), (602, 31075), (604, 31078), (610, 31090), (664, 31159), (689, 31198), (703, 31231), (738, 31312), (743, 31327), (793, 31432), (847, 31546), (906, 31645), (917, 31669),

Gene: Margo_34 Start: 27255, Stop: 25747, Start Num: 177
Candidate Starts for Margo_34:
(Start: 152 @27270 has 3 MA's), (Start: 177 @27255 has 227 MA's), (Start: 181 @27249 has 3 MA's), (Start: 183 @27246 has 17 MA's), (274, 27078), (277, 27072), (338, 26955), (358, 26895), (395, 26778), (410, 26739), (423, 26712), (426, 26700), (485, 26565), (566, 26412), (608, 26322), (632, 26283), (698, 26193), (717, 26151), (721, 26139), (739, 26094), (746, 26073), (852, 25860), (867, 25839),

Gene: Maroc7_37 Start: 29274, Stop: 30776, Start Num: 177
Candidate Starts for Maroc7_37:
(Start: 103 @29193 has 30 MA's), (Start: 107 @29199 has 3 MA's), (Start: 117 @29205 has 12 MA's), (Start: 119 @29208 has 11 MA's), (Start: 126 @29223 has 4 MA's), (Start: 177 @29274 has 227 MA's), (Start: 186 @29289 has 10 MA's), (Start: 295 @29493 has 1 MA's), (Start: 297 @29499 has 1 MA's), (Start: 360 @29649 has 1 MA's), (363, 29658), (365, 29667), (399, 29775), (410, 29796), (417, 29808), (425, 29832), (438, 29874), (516, 30003), (551, 30063), (574, 30120), (588, 30147), (602, 30174), (604, 30177), (610, 30189), (664, 30258), (685, 30291), (689, 30297), (703, 30330), (738, 30411), (743, 30426), (793, 30531), (847, 30645), (906, 30744), (917, 30768),

Gene: Marsha_37 Start: 30335, Stop: 31873, Start Num: 177
Candidate Starts for Marsha_37:
(Start: 103 @30254 has 30 MA's), (Start: 107 @30260 has 3 MA's), (Start: 117 @30266 has 12 MA's), (Start: 119 @30269 has 11 MA's), (Start: 126 @30284 has 4 MA's), (Start: 177 @30335 has 227 MA's), (Start: 295 @30554 has 1 MA's), (Start: 297 @30560 has 1 MA's), (Start: 360 @30710 has 1 MA's), (363, 30719), (365, 30728), (366, 30734), (399, 30836), (417, 30869), (430, 30905), (516, 31064), (551, 31124), (574, 31181), (588, 31208), (602, 31235), (610, 31250), (685, 31352), (689, 31358), (703, 31391), (706, 31394), (738, 31472), (743, 31487), (847, 31706),

Gene: MaryBeth_37 Start: 29595, Stop: 31097, Start Num: 177
Candidate Starts for MaryBeth_37:
(Start: 103 @29514 has 30 MA's), (Start: 107 @29520 has 3 MA's), (Start: 117 @29526 has 12 MA's), (Start: 119 @29529 has 11 MA's), (Start: 126 @29544 has 4 MA's), (Start: 177 @29595 has 227 MA's), (Start: 186 @29610 has 10 MA's), (Start: 295 @29814 has 1 MA's), (Start: 297 @29820 has 1 MA's), (303, 29832), (305, 29841), (Start: 360 @29970 has 1 MA's), (363, 29979), (365, 29988), (399, 30096), (410, 30117), (417, 30129), (425, 30153), (438, 30195), (516, 30324), (551, 30384), (574, 30441), (588, 30468), (602, 30495), (604, 30498), (610, 30510), (689, 30618), (703, 30651), (738,

30732), (743, 30747), (793, 30852), (847, 30966), (906, 31065), (917, 31089),

Gene: MarysWell_29 Start: 25772, Stop: 24333, Start Num: 206
Candidate Starts for MarysWell_29:
(Start: 177 @25826 has 227 MA's), (Start: 192 @25793 has 1 MA's), (Start: 193 @25790 has 3 MA's), (Start: 206 @25772 has 9 MA's), (Start: 241 @25691 has 1 MA's), (326, 25547), (340, 25520), (356, 25472), (410, 25307), (421, 25283), (423, 25280), (430, 25259), (536, 25070), (602, 24929), (624, 24899), (717, 24722), (721, 24710), (754, 24626), (763, 24611), (777, 24596), (859, 24419), (887, 24389), (889, 24386), (907, 24356),

Gene: Maureen_51 Start: 37489, Stop: 38901, Start Num: 177
Candidate Starts for Maureen_51:
(Start: 177 @37489 has 227 MA's), (Start: 241 @37627 has 1 MA's), (320, 37762), (351, 37822), (356, 37834), (362, 37852), (372, 37891), (423, 38026), (425, 38035), (516, 38167), (523, 38179), (571, 38260), (682, 38470), (699, 38503), (718, 38545), (730, 38572), (738, 38590), (810, 38731), (848, 38794), (861, 38818), (908, 38896),

Gene: Maverick_33 Start: 26646, Stop: 25123, Start Num: 162
Candidate Starts for Maverick_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Mayonnaise_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for Mayonnaise_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Mazhar510_33 Start: 26638, Stop: 25124, Start Num: 171
Candidate Starts for Mazhar510_33:
(Start: 136 @26680 has 1 MA's), (Start: 162 @26647 has 16 MA's), (Start: 171 @26638 has 113 MA's), (250, 26476), (277, 26410), (286, 26392), (325, 26317), (335, 26293), (351, 26254), (353, 26251), (421, 26050), (425, 26038), (513, 25855), (573, 25744), (595, 25693), (682, 25564), (687, 25555), (721, 25480), (724, 25474), (781, 25351), (796, 25312), (878, 25162), (886, 25147),

Gene: McGuire_38 Start: 29330, Stop: 30922, Start Num: 93
Candidate Starts for McGuire_38:
(Start: 93 @29330 has 2 MA's), (Start: 131 @29375 has 4 MA's), (Start: 177 @29420 has 227 MA's), (Start: 186 @29435 has 10 MA's), (190, 29444), (235, 29537), (Start: 295 @29639 has 1 MA's), (Start: 297 @29645 has 1 MA's), (305, 29666), (356, 29783), (Start: 360 @29795 has 1 MA's), (363, 29804), (365, 29813), (399, 29921), (410, 29942), (417, 29954), (425, 29978), (438, 30020), (516, 30149), (551, 30209), (574, 30266), (588, 30293), (602, 30320), (604, 30323), (610, 30335), (664, 30404), (685, 30437), (689, 30443), (703, 30476), (738, 30557), (743, 30572), (793, 30677), (847, 30791), (906, 30890), (917, 30914),

Gene: McSinger_38 Start: 29906, Stop: 31483, Start Num: 107
Candidate Starts for McSinger_38:

(Start: 103 @29900 has 30 MA's), (Start: 107 @29906 has 3 MA's), (Start: 117 @29912 has 12 MA's), (Start: 119 @29915 has 11 MA's), (Start: 126 @29930 has 4 MA's), (Start: 177 @29981 has 227 MA's), (Start: 295 @30200 has 1 MA's), (Start: 297 @30206 has 1 MA's), (Start: 360 @30356 has 1 MA's), (363, 30365), (365, 30374), (399, 30482), (410, 30503), (417, 30515), (425, 30539), (438, 30581), (516, 30710), (551, 30770), (574, 30827), (588, 30854), (602, 30881), (604, 30884), (610, 30896), (664, 30965), (689, 31004), (703, 31037), (738, 31118), (743, 31133), (793, 31238), (847, 31352), (852, 31364), (906, 31451), (917, 31475),

Gene: MeeZee_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for MeeZee_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: MegTheThird_33 Start: 26339, Stop: 24783, Start Num: 168
Candidate Starts for MegTheThird_33:
(168, 26339), (Start: 178 @26327 has 1 MA's), (224, 26225), (Start: 241 @26186 has 1 MA's), (294, 26081), (304, 26057), (325, 26015), (353, 25943), (355, 25934), (370, 25883), (391, 25823), (430, 25718), (444, 25679), (449, 25664), (450, 25661), (461, 25637), (486, 25595), (498, 25577), (513, 25547), (536, 25529), (550, 25505), (602, 25388), (619, 25358), (682, 25277), (685, 25271), (717, 25205), (721, 25193), (735, 25160), (753, 25112), (771, 25079), (781, 25064), (793, 25034), (796, 25025), (801, 25019), (839, 24932), (850, 24911), (854, 24902), (911, 24815),

Gene: Mellie_37 Start: 29588, Stop: 30979, Start Num: 179
Candidate Starts for Mellie_37:
(Start: 179 @29588 has 38 MA's), (235, 29708), (Start: 295 @29801 has 1 MA's), (366, 29978), (378, 30011), (395, 30065), (435, 30173), (438, 30182), (481, 30260), (515, 30323), (526, 30350), (530, 30359), (540, 30377), (543, 30386), (578, 30464), (594, 30479), (627, 30515), (643, 30548), (662, 30581), (663, 30584), (702, 30662), (729, 30719), (758, 30788), (764, 30797), (776, 30815), (795, 30857), (800, 30866), (810, 30887), (833, 30941),

Gene: MetalQZJ_37 Start: 29595, Stop: 31097, Start Num: 177
Candidate Starts for MetalQZJ_37:
(Start: 103 @29514 has 30 MA's), (Start: 107 @29520 has 3 MA's), (Start: 117 @29526 has 12 MA's), (Start: 119 @29529 has 11 MA's), (Start: 126 @29544 has 4 MA's), (Start: 177 @29595 has 227 MA's), (Start: 186 @29610 has 10 MA's), (Start: 295 @29814 has 1 MA's), (Start: 297 @29820 has 1 MA's), (303, 29832), (305, 29841), (Start: 360 @29970 has 1 MA's), (363, 29979), (365, 29988), (399, 30096), (410, 30117), (417, 30129), (425, 30153), (438, 30195), (516, 30324), (551, 30384), (574, 30441), (588, 30468), (602, 30495), (604, 30498), (610, 30510), (689, 30618), (703, 30651), (738, 30732), (743, 30747), (793, 30852), (847, 30966), (906, 31065), (917, 31089),

Gene: Methuselah_35 Start: 27305, Stop: 25737, Start Num: 171
Candidate Starts for Methuselah_35:
(67, 27455), (73, 27440), (Start: 142 @27341 has 24 MA's), (Start: 171 @27305 has 113 MA's), (294, 27050), (304, 27026), (331, 26966), (351, 26918), (353, 26915), (380, 26828), (386, 26816), (391, 26795), (397, 26771), (425, 26702), (450, 26633), (452, 26624), (513, 26519), (536, 26474), (595, 26342), (650, 26258), (685, 26201), (781, 25994), (842, 25853),

Gene: Micasa_30 Start: 25752, Stop: 24259, Start Num: 177
Candidate Starts for Micasa_30:

(Start: 177 @25752 has 227 MA's), (Start: 192 @25719 has 1 MA's), (Start: 193 @25716 has 3 MA's), (Start: 206 @25698 has 9 MA's), (Start: 241 @25617 has 1 MA's), (326, 25473), (340, 25446), (356, 25398), (368, 25356), (410, 25233), (421, 25209), (423, 25206), (430, 25185), (450, 25128), (536, 24996), (602, 24855), (624, 24825), (717, 24648), (721, 24636), (754, 24552), (763, 24537), (777, 24522), (859, 24345), (887, 24315),

Gene: Michkear_54 Start: 39243, Stop: 40769, Start Num: 158
Candidate Starts for Michkear_54:
(26, 38976), (77, 39123), (Start: 132 @39207 has 1 MA's), (Start: 158 @39243 has 3 MA's), (168, 39252), (282, 39444), (345, 39579), (347, 39585), (355, 39624), (365, 39657), (437, 39861), (492, 39942), (511, 39969), (516, 39981), (571, 40074), (634, 40197), (682, 40287), (720, 40368), (749, 40440), (783, 40488),

Gene: Michley_37 Start: 29186, Stop: 30769, Start Num: 103
Candidate Starts for Michley_37:
(Start: 103 @29186 has 30 MA's), (Start: 107 @29192 has 3 MA's), (Start: 117 @29198 has 12 MA's), (Start: 119 @29201 has 11 MA's), (Start: 126 @29216 has 4 MA's), (Start: 177 @29267 has 227 MA's), (Start: 186 @29282 has 10 MA's), (Start: 295 @29486 has 1 MA's), (Start: 297 @29492 has 1 MA's), (303, 29504), (305, 29513), (Start: 360 @29642 has 1 MA's), (363, 29651), (365, 29660), (399, 29768), (410, 29789), (417, 29801), (425, 29825), (438, 29867), (516, 29996), (551, 30056), (574, 30113), (588, 30140), (602, 30167), (604, 30170), (610, 30182), (689, 30290), (703, 30323), (738, 30404), (743, 30419), (793, 30524), (847, 30638), (906, 30737), (917, 30761),

Gene: Midas2_30 Start: 25826, Stop: 24333, Start Num: 177
Candidate Starts for Midas2_30:
(Start: 177 @25826 has 227 MA's), (Start: 192 @25793 has 1 MA's), (Start: 193 @25790 has 3 MA's), (Start: 206 @25772 has 9 MA's), (Start: 241 @25691 has 1 MA's), (326, 25547), (340, 25520), (356, 25472), (410, 25307), (421, 25283), (423, 25280), (430, 25259), (450, 25202), (536, 25070), (602, 24929), (624, 24899), (717, 24722), (721, 24710), (754, 24626), (763, 24611), (777, 24596), (859, 24419), (887, 24389), (907, 24356),

Gene: Milcery_30 Start: 25782, Stop: 24289, Start Num: 177
Candidate Starts for Milcery_30:
(Start: 177 @25782 has 227 MA's), (Start: 192 @25749 has 1 MA's), (Start: 193 @25746 has 3 MA's), (Start: 206 @25728 has 9 MA's), (Start: 241 @25647 has 1 MA's), (326, 25503), (340, 25476), (356, 25428), (410, 25263), (421, 25239), (423, 25236), (430, 25215), (536, 25026), (602, 24885), (624, 24855), (717, 24678), (721, 24666), (754, 24582), (763, 24567), (777, 24552), (859, 24375), (887, 24345), (907, 24312),

Gene: MilleFeuille_36 Start: 29443, Stop: 30945, Start Num: 177
Candidate Starts for MilleFeuille_36:
(Start: 103 @29362 has 30 MA's), (Start: 107 @29368 has 3 MA's), (Start: 117 @29374 has 12 MA's), (Start: 119 @29377 has 11 MA's), (Start: 126 @29392 has 4 MA's), (Start: 177 @29443 has 227 MA's), (Start: 186 @29458 has 10 MA's), (Start: 295 @29662 has 1 MA's), (Start: 297 @29668 has 1 MA's), (303, 29680), (305, 29689), (356, 29806), (Start: 360 @29818 has 1 MA's), (363, 29827), (365, 29836), (399, 29944), (410, 29965), (417, 29977), (425, 30001), (516, 30172), (574, 30289), (588, 30316), (602, 30343), (610, 30358), (689, 30466), (703, 30499), (738, 30580), (743, 30595), (793, 30700), (840, 30805), (847, 30814), (906, 30913), (917, 30937),

Gene: Millski_32 Start: 26641, Stop: 25127, Start Num: 171
Candidate Starts for Millski_32:
(Start: 136 @26683 has 1 MA's), (Start: 162 @26650 has 16 MA's), (Start: 171 @26641 has 113 MA's), (250, 26479), (277, 26413), (286, 26395), (325, 26320), (335, 26296), (351, 26257), (353,

26254), (380, 26167), (421, 26053), (425, 26041), (513, 25858), (573, 25747), (595, 25696), (682, 25567), (687, 25558), (721, 25483), (724, 25477), (781, 25354), (796, 25315), (878, 25165), (886, 25150),

Gene: Miramae_33 Start: 26969, Stop: 25407, Start Num: 106
Candidate Starts for Miramae_33:
(Start: 106 @26969 has 11 MA's), (Start: 154 @26912 has 5 MA's), (Start: 177 @26903 has 227 MA's), (Start: 189 @26885 has 3 MA's), (214, 26828), (239, 26780), (Start: 241 @26768 has 1 MA's), (316, 26642), (328, 26621), (329, 26618), (344, 26591), (355, 26552), (396, 26423), (421, 26363), (523, 26171), (602, 26009), (711, 25814), (721, 25787), (742, 25733), (745, 25724), (849, 25514), (859, 25496), (875, 25484), (880, 25475), (891, 25457),

Gene: Miryou_40 Start: 33649, Stop: 35055, Start Num: 179
Candidate Starts for Miryou_40:
(Start: 172 @33640 has 26 MA's), (Start: 179 @33649 has 38 MA's), (235, 33769), (332, 33946), (346, 33970), (362, 34021), (375, 34063), (397, 34132), (406, 34159), (410, 34168), (423, 34195), (430, 34216), (435, 34234), (446, 34261), (477, 34306), (492, 34312), (543, 34417), (575, 34483), (578, 34492), (591, 34513), (600, 34531), (612, 34552), (662, 34639), (666, 34648), (667, 34651), (719, 34759), (735, 34795), (769, 34867), (773, 34876), (796, 34927), (816, 34966), (821, 34978), (824, 34987), (843, 35017), (851, 35032),

Gene: Misomonster_38 Start: 27308, Stop: 25740, Start Num: 171
Candidate Starts for Misomonster_38:
(67, 27458), (73, 27443), (Start: 142 @27344 has 24 MA's), (Start: 171 @27308 has 113 MA's), (294, 27053), (304, 27029), (331, 26969), (351, 26921), (353, 26918), (380, 26831), (386, 26819), (391, 26798), (397, 26774), (425, 26705), (450, 26636), (452, 26627), (513, 26522), (536, 26477), (595, 26345), (650, 26261), (685, 26204), (781, 25997), (842, 25856),

Gene: MissRona_38 Start: 30376, Stop: 31767, Start Num: 179
Candidate Starts for MissRona_38:
(Start: 79 @30241 has 1 MA's), (Start: 161 @30355 has 1 MA's), (Start: 179 @30376 has 38 MA's), (235, 30496), (332, 30673), (378, 30799), (395, 30853), (438, 30970), (481, 31048), (515, 31111), (530, 31147), (568, 31225), (578, 31252), (594, 31267), (641, 31333), (643, 31336), (657, 31360), (662, 31369), (663, 31372), (702, 31450), (729, 31507), (743, 31543), (758, 31576), (764, 31585), (776, 31603), (800, 31654),

Gene: MissSwiss_52 Start: 34520, Stop: 35938, Start Num: 170
Candidate Starts for MissSwiss_52:
(Start: 152 @34502 has 3 MA's), (Start: 165 @34517 has 1 MA's), (Start: 170 @34520 has 33 MA's), (Start: 177 @34529 has 227 MA's), (233, 34643), (Start: 297 @34751 has 1 MA's), (318, 34799), (351, 34862), (356, 34874), (391, 34982), (425, 35075), (430, 35087), (438, 35114), (449, 35141), (709, 35573), (718, 35594), (749, 35672), (808, 35777),

Gene: Mkhuseli_38 Start: 29400, Stop: 30968, Start Num: 119
Candidate Starts for Mkhuseli_38:
(Start: 103 @29385 has 30 MA's), (Start: 107 @29391 has 3 MA's), (Start: 117 @29397 has 12 MA's), (Start: 119 @29400 has 11 MA's), (Start: 126 @29415 has 4 MA's), (Start: 177 @29466 has 227 MA's), (Start: 186 @29481 has 10 MA's), (240, 29595), (Start: 295 @29685 has 1 MA's), (Start: 297 @29691 has 1 MA's), (303, 29703), (Start: 360 @29841 has 1 MA's), (363, 29850), (365, 29859), (399, 29967), (410, 29988), (417, 30000), (425, 30024), (438, 30066), (516, 30195), (551, 30255), (574, 30312), (588, 30339), (602, 30366), (604, 30369), (610, 30381), (664, 30450), (685, 30483), (689, 30489), (703, 30522), (738, 30603), (743, 30618), (847, 30837), (865, 30873), (906, 30936), (917, 30960),

Gene: Mojorita_30 Start: 23368, Stop: 21647, Start Num: 205
Candidate Starts for Mojorita_30:
(Start: 176 @23440 has 14 MA's), (Start: 205 @23368 has 12 MA's), (291, 23155), (364, 22948), (395, 22849), (421, 22756), (584, 22393), (624, 22315), (627, 22309), (667, 22228), (669, 22225), (727, 22090), (739, 22057), (744, 22042), (817, 21889), (833, 21847), (834, 21844), (848, 21820), (855, 21805), (857, 21799),

Gene: Molly_39 Start: 29294, Stop: 30877, Start Num: 103
Candidate Starts for Molly_39:
(Start: 103 @29294 has 30 MA's), (Start: 107 @29300 has 3 MA's), (Start: 117 @29306 has 12 MA's), (Start: 119 @29309 has 11 MA's), (Start: 126 @29324 has 4 MA's), (Start: 177 @29375 has 227 MA's), (Start: 184 @29387 has 3 MA's), (Start: 297 @29600 has 1 MA's), (303, 29612), (305, 29621), (323, 29654), (Start: 360 @29750 has 1 MA's), (363, 29759), (365, 29768), (399, 29876), (410, 29897), (417, 29909), (425, 29933), (438, 29975), (516, 30104), (551, 30164), (574, 30221), (588, 30248), (602, 30275), (604, 30278), (610, 30290), (664, 30359), (685, 30392), (689, 30398), (703, 30431), (738, 30512), (743, 30527), (793, 30632), (847, 30746), (906, 30845), (917, 30869),

Gene: Monet_39 Start: 30804, Stop: 32306, Start Num: 177
Candidate Starts for Monet_39:
(Start: 103 @30723 has 30 MA's), (Start: 107 @30729 has 3 MA's), (Start: 117 @30735 has 12 MA's), (Start: 119 @30738 has 11 MA's), (Start: 126 @30753 has 4 MA's), (Start: 177 @30804 has 227 MA's), (190, 30828), (Start: 295 @31023 has 1 MA's), (Start: 297 @31029 has 1 MA's), (305, 31050), (Start: 360 @31179 has 1 MA's), (363, 31188), (365, 31197), (399, 31305), (410, 31326), (417, 31338), (425, 31362), (438, 31404), (516, 31533), (551, 31593), (574, 31650), (588, 31677), (602, 31704), (610, 31719), (664, 31788), (689, 31827), (703, 31860), (738, 31941), (743, 31956), (793, 32061), (847, 32175), (852, 32187), (906, 32274), (917, 32298),

Gene: Moose_37 Start: 29620, Stop: 31122, Start Num: 177
Candidate Starts for Moose_37:
(Start: 103 @29539 has 30 MA's), (Start: 107 @29545 has 3 MA's), (Start: 117 @29551 has 12 MA's), (Start: 119 @29554 has 11 MA's), (Start: 126 @29569 has 4 MA's), (Start: 177 @29620 has 227 MA's), (Start: 186 @29635 has 10 MA's), (190, 29644), (Start: 295 @29839 has 1 MA's), (Start: 297 @29845 has 1 MA's), (303, 29857), (305, 29866), (Start: 360 @29995 has 1 MA's), (363, 30004), (365, 30013), (399, 30121), (410, 30142), (417, 30154), (425, 30178), (516, 30349), (551, 30409), (574, 30466), (602, 30520), (604, 30523), (610, 30535), (689, 30643), (703, 30676), (721, 30715), (738, 30757), (743, 30772), (847, 30991), (906, 31090), (917, 31114),

Gene: Morpher26_33 Start: 26647, Stop: 25133, Start Num: 171
Candidate Starts for Morpher26_33:
(Start: 136 @26689 has 1 MA's), (Start: 162 @26656 has 16 MA's), (Start: 171 @26647 has 113 MA's), (250, 26485), (277, 26419), (286, 26401), (325, 26326), (351, 26263), (353, 26260), (380, 26173), (425, 26047), (513, 25864), (551, 25807), (573, 25753), (595, 25702), (682, 25573), (687, 25564), (721, 25489), (724, 25483), (777, 25369), (781, 25360), (796, 25321), (878, 25171), (886, 25156),

Gene: Moss_43 Start: 31498, Stop: 32937, Start Num: 172
Candidate Starts for Moss_43:
(Start: 172 @31498 has 26 MA's), (230, 31609), (235, 31618), (282, 31681), (Start: 295 @31705 has 1 MA's), (298, 31714), (356, 31864), (358, 31873), (408, 32029), (410, 32035), (423, 32062), (559, 32296), (629, 32419), (861, 32866), (867, 32881), (870, 32884),

Gene: MrGordo_37 Start: 29130, Stop: 30632, Start Num: 177

Candidate Starts for MrGordo_37:
(Start: 103 @29049 has 30 MA's), (Start: 107 @29055 has 3 MA's), (Start: 117 @29061 has 12 MA's), (Start: 119 @29064 has 11 MA's), (Start: 126 @29079 has 4 MA's), (Start: 177 @29130 has 227 MA's), (190, 29154), (Start: 297 @29355 has 1 MA's), (323, 29409), (Start: 360 @29505 has 1 MA's), (363, 29514), (365, 29523), (399, 29631), (410, 29652), (417, 29664), (425, 29688), (438, 29730), (516, 29859), (551, 29919), (574, 29976), (588, 30003), (594, 30018), (595, 30021), (602, 30030), (604, 30033), (610, 30045), (664, 30114), (685, 30147), (689, 30153), (703, 30186), (706, 30189), (738, 30267), (743, 30282), (793, 30387), (847, 30501), (906, 30600), (917, 30624),

Gene: MrMagoo_148 Start: 70893, Stop: 69439, Start Num: 133
Candidate Starts for MrMagoo_148:
(63, 71010), (Start: 106 @70935 has 11 MA's), (128, 70902), (Start: 133 @70893 has 21 MA's), (Start: 181 @70839 has 3 MA's), (190, 70821), (228, 70746), (313, 70602), (355, 70485), (373, 70422), (412, 70332), (430, 70290), (543, 70077), (574, 70011), (587, 69984), (641, 69903), (658, 69873), (662, 69867), (663, 69864), (738, 69714), (745, 69693), (774, 69636), (820, 69534), (838, 69492),

Gene: Mryolo_35 Start: 29138, Stop: 30640, Start Num: 177
Candidate Starts for Mryolo_35:
(Start: 131 @29093 has 4 MA's), (Start: 177 @29138 has 227 MA's), (Start: 186 @29153 has 10 MA's), (250, 29285), (Start: 295 @29357 has 1 MA's), (Start: 297 @29363 has 1 MA's), (356, 29501), (Start: 360 @29513 has 1 MA's), (363, 29522), (365, 29531), (399, 29639), (410, 29660), (417, 29672), (425, 29696), (438, 29738), (516, 29867), (551, 29927), (574, 29984), (602, 30038), (610, 30053), (685, 30155), (689, 30161), (703, 30194), (706, 30197), (734, 30260), (743, 30290), (793, 30395), (847, 30509), (906, 30608), (917, 30632),

Gene: Mudpuppy_46 Start: 34970, Stop: 36388, Start Num: 170
Candidate Starts for Mudpuppy_46:
(Start: 152 @34952 has 3 MA's), (Start: 165 @34967 has 1 MA's), (Start: 170 @34970 has 33 MA's), (Start: 177 @34979 has 227 MA's), (233, 35093), (Start: 297 @35201 has 1 MA's), (351, 35312), (356, 35324), (358, 35333), (391, 35432), (425, 35525), (430, 35537), (449, 35591), (559, 35723), (693, 35990), (711, 36026), (718, 36044), (723, 36056), (738, 36089), (808, 36227),

Gene: Mundrea_33 Start: 26612, Stop: 25116, Start Num: 177
Candidate Starts for Mundrea_33:
(19, 26912), (28, 26852), (34, 26834), (38, 26825), (Start: 106 @26678 has 11 MA's), (Start: 154 @26621 has 5 MA's), (Start: 177 @26612 has 227 MA's), (Start: 189 @26594 has 3 MA's), (214, 26537), (223, 26519), (239, 26489), (Start: 241 @26477 has 1 MA's), (Start: 297 @26393 has 1 MA's), (316, 26351), (328, 26330), (355, 26261), (396, 26132), (421, 26072), (439, 26018), (523, 25880), (557, 25817), (606, 25712), (647, 25649), (693, 25559), (711, 25523), (721, 25496), (742, 25442), (745, 25433), (849, 25223), (852, 25217), (859, 25205), (875, 25193), (880, 25184),

Gene: Murp_39 Start: 32170, Stop: 33561, Start Num: 179
Candidate Starts for Murp_39:
(Start: 179 @32170 has 38 MA's), (235, 32290), (332, 32467), (372, 32581), (375, 32584), (378, 32593), (395, 32647), (438, 32764), (530, 32941), (540, 32959), (543, 32968), (568, 33019), (594, 33061), (627, 33097), (641, 33127), (662, 33163), (663, 33166), (702, 33244), (729, 33301), (736, 33316), (758, 33370), (800, 33448),

Gene: Museum_39 Start: 29483, Stop: 30988, Start Num: 183
Candidate Starts for Museum_39:
(Start: 103 @29393 has 30 MA's), (Start: 107 @29399 has 3 MA's), (Start: 117 @29405 has 12 MA's), (Start: 119 @29408 has 11 MA's), (Start: 126 @29423 has 4 MA's), (Start: 177 @29474 has 227 MA's), (Start: 183 @29483 has 17 MA's), (Start: 186 @29489 has 10 MA's), (190, 29498), (Start: 192

@29507 has 1 MA's), (235, 29591), (Start: 241 @29609 has 1 MA's), (Start: 295 @29693 has 1 MA's), (Start: 297 @29699 has 1 MA's), (303, 29711), (305, 29720), (356, 29837), (Start: 360 @29849 has 1 MA's), (363, 29858), (365, 29867), (395, 29963), (399, 29975), (417, 30008), (516, 30203), (551, 30263), (574, 30320), (602, 30374), (604, 30377), (610, 30389), (685, 30491), (689, 30497), (703, 30530), (738, 30611), (743, 30626), (793, 30731), (847, 30845),

Gene: MyraDee_30 Start: 24175, Stop: 22685, Start Num: 171
Candidate Starts for MyraDee_30:
(Start: 171 @24175 has 113 MA's), (Start: 184 @24151 has 3 MA's), (204, 24112), (Start: 241 @24025 has 1 MA's), (277, 23947), (279, 23944), (281, 23941), (294, 23920), (304, 23896), (325, 23854), (331, 23836), (351, 23794), (353, 23791), (380, 23704), (382, 23701), (386, 23692), (417, 23602), (425, 23578), (452, 23500), (489, 23437), (513, 23395), (536, 23365), (552, 23335), (595, 23233), (602, 23224), (699, 23074), (706, 23059), (738, 22981), (739, 22978), (759, 22930), (781, 22894), (822, 22798), (840, 22768), (867, 22723), (871, 22720), (878, 22708),

Gene: Mysterium_42 Start: 31330, Stop: 32769, Start Num: 172
Candidate Starts for Mysterium_42:
(Start: 172 @31330 has 26 MA's), (Start: 183 @31342 has 17 MA's), (230, 31441), (235, 31450), (282, 31513), (Start: 295 @31537 has 1 MA's), (298, 31546), (356, 31696), (358, 31705), (408, 31861), (410, 31867), (423, 31894), (559, 32128), (629, 32251), (765, 32521), (861, 32698), (867, 32713), (870, 32716),

Gene: NEHalo_37 Start: 29293, Stop: 30861, Start Num: 117
Candidate Starts for NEHalo_37:
(Start: 103 @29281 has 30 MA's), (Start: 107 @29287 has 3 MA's), (Start: 117 @29293 has 12 MA's), (Start: 119 @29296 has 11 MA's), (Start: 126 @29311 has 4 MA's), (Start: 177 @29362 has 227 MA's), (Start: 186 @29377 has 10 MA's), (190, 29386), (Start: 295 @29581 has 1 MA's), (Start: 297 @29587 has 1 MA's), (305, 29608), (Start: 360 @29737 has 1 MA's), (363, 29746), (365, 29755), (366, 29761), (395, 29851), (399, 29863), (417, 29896), (438, 29962), (516, 30091), (551, 30151), (574, 30208), (602, 30262), (604, 30265), (610, 30277), (703, 30415), (706, 30418), (721, 30454), (738, 30496), (743, 30511), (793, 30616), (847, 30730), (906, 30829), (917, 30853),

Gene: Nabi_51 Start: 35146, Stop: 36723, Start Num: 142
Candidate Starts for Nabi_51:
(Start: 96 @35080 has 7 MA's), (Start: 142 @35146 has 24 MA's), (218, 35266), (269, 35383), (285, 35434), (319, 35515), (321, 35518), (353, 35590), (355, 35599), (356, 35602), (357, 35605), (363, 35623), (406, 35755), (430, 35812), (432, 35815), (434, 35824), (442, 35848), (492, 35917), (568, 36043), (571, 36052), (602, 36118), (624, 36148), (693, 36247), (703, 36271), (709, 36280), (719, 36304), (746, 36376), (834, 36565), (854, 36604), (868, 36628), (877, 36643), (885, 36658),

Gene: Naca_31 Start: 25915, Stop: 24470, Start Num: 193
Candidate Starts for Naca_31:
(Start: 134 @25978 has 6 MA's), (Start: 177 @25951 has 227 MA's), (Start: 193 @25915 has 3 MA's), (Start: 241 @25816 has 1 MA's), (Start: 297 @25732 has 1 MA's), (316, 25690), (329, 25666), (344, 25639), (355, 25600), (363, 25576), (410, 25432), (562, 25138), (583, 25093), (595, 25063), (610, 25039), (624, 25024), (670, 24964), (693, 24913), (698, 24904), (721, 24850), (735, 24817), (763, 24751), (859, 24559), (913, 24481),

Gene: Naiad_29 Start: 23649, Stop: 22141, Start Num: 145
Candidate Starts for Naiad_29:
(Start: 145 @23649 has 32 MA's), (Start: 177 @23628 has 227 MA's), (Start: 181 @23622 has 3 MA's), (Start: 241 @23493 has 1 MA's), (277, 23445), (321, 23358), (363, 23253), (397, 23142), (423, 23082), (426, 23070), (449, 23007), (471, 22977), (495, 22944), (508, 22923), (523, 22893), (531,

22878), (536, 22872), (558, 22824), (571, 22791), (595, 22734), (624, 22695), (627, 22689), (718, 22539), (796, 22368), (913, 22152),

Gene: Naira_38 Start: 31077, Stop: 32591, Start Num: 177
Candidate Starts for Naira_38:
(Start: 103 @30996 has 30 MA's), (Start: 107 @31002 has 3 MA's), (Start: 117 @31008 has 12 MA's), (Start: 119 @31011 has 11 MA's), (Start: 126 @31026 has 4 MA's), (Start: 177 @31077 has 227 MA's), (Start: 297 @31302 has 1 MA's), (305, 31323), (356, 31440), (Start: 360 @31452 has 1 MA's), (363, 31461), (365, 31470), (399, 31578), (410, 31599), (417, 31611), (425, 31635), (438, 31677), (516, 31806), (551, 31866), (574, 31923), (602, 31977), (610, 31992), (689, 32100), (703, 32133), (706, 32136), (738, 32214), (743, 32229), (745, 32235), (847, 32448), (852, 32460),

Gene: Nancinator_29 Start: 23636, Stop: 22140, Start Num: 145
Candidate Starts for Nancinator_29:
(Start: 145 @23636 has 32 MA's), (Start: 177 @23615 has 227 MA's), (Start: 181 @23609 has 3 MA's), (Start: 241 @23480 has 1 MA's), (277, 23432), (321, 23345), (363, 23240), (397, 23129), (423, 23069), (426, 23057), (449, 22994), (471, 22964), (495, 22931), (508, 22910), (523, 22880), (531, 22865), (536, 22859), (558, 22811), (571, 22778), (595, 22721), (624, 22682), (627, 22676), (693, 22580), (709, 22547), (718, 22526), (721, 22517), (796, 22355),

Gene: Nanodon_51 Start: 34791, Stop: 36407, Start Num: 82
Candidate Starts for Nanodon_51:
(Start: 82 @34791 has 1 MA's), (Start: 105 @34827 has 4 MA's), (199, 34968), (Start: 206 @34983 has 9 MA's), (213, 35001), (238, 35055), (260, 35091), (288, 35136), (313, 35184), (337, 35244), (Start: 360 @35313 has 1 MA's), (372, 35358), (439, 35538), (467, 35601), (473, 35610), (475, 35613), (506, 35664), (645, 35955), (652, 35964), (666, 35988), (695, 36051), (710, 36081), (724, 36114), (725, 36117), (774, 36219), (811, 36297),

Gene: Nanosmite_142 Start: 71091, Stop: 69622, Start Num: 133
Candidate Starts for Nanosmite_142:
(Start: 126 @71103 has 4 MA's), (128, 71100), (Start: 133 @71091 has 21 MA's), (Start: 179 @71034 has 38 MA's), (Start: 181 @71028 has 3 MA's), (Start: 184 @71022 has 3 MA's), (190, 71010), (253, 70893), (Start: 259 @70887 has 1 MA's), (260, 70884), (277, 70863), (349, 70695), (355, 70674), (373, 70611), (412, 70515), (480, 70383), (527, 70293), (543, 70260), (553, 70236), (559, 70221), (587, 70167), (641, 70086), (662, 70050), (677, 70020), (738, 69897), (774, 69819), (782, 69804), (794, 69774),

Gene: Natosaleda_29 Start: 23636, Stop: 22140, Start Num: 145
Candidate Starts for Natosaleda_29:
(Start: 145 @23636 has 32 MA's), (Start: 177 @23615 has 227 MA's), (Start: 181 @23609 has 3 MA's), (Start: 241 @23480 has 1 MA's), (277, 23432), (321, 23345), (363, 23240), (397, 23129), (409, 23099), (423, 23069), (426, 23057), (449, 22994), (471, 22964), (495, 22931), (508, 22910), (523, 22880), (531, 22865), (536, 22859), (558, 22811), (571, 22778), (595, 22721), (624, 22682), (627, 22676), (693, 22580), (709, 22547), (718, 22526), (721, 22517), (796, 22355),

Gene: NearlyHeadless_30 Start: 25032, Stop: 23530, Start Num: 171
Candidate Starts for NearlyHeadless_30:
(Start: 117 @25101 has 12 MA's), (Start: 136 @25074 has 1 MA's), (Start: 142 @25068 has 24 MA's), (Start: 171 @25032 has 113 MA's), (Start: 241 @24882 has 1 MA's), (294, 24777), (325, 24711), (331, 24693), (351, 24651), (353, 24648), (380, 24561), (391, 24528), (421, 24447), (425, 24435), (461, 24342), (489, 24294), (513, 24252), (552, 24192), (595, 24090), (682, 23955), (717, 23883), (759, 23778), (781, 23742), (796, 23703), (839, 23619), (871, 23571),

Gene: Neighly_39 Start: 31215, Stop: 32585, Start Num: 206
Candidate Starts for Neighly_39:
(59, 30969), (75, 31005), (130, 31092), (Start: 166 @31140 has 7 MA's), (Start: 206 @31215 has 9 MA's), (211, 31227), (277, 31338), (279, 31341), (296, 31374), (305, 31398), (336, 31461), (363, 31536), (472, 31812), (578, 32034), (584, 32046), (622, 32094), (636, 32124), (645, 32145), (662, 32169), (736, 32322), (772, 32403), (777, 32409), (782, 32421), (796, 32457), (800, 32463), (808, 32481), (810, 32484), (817, 32499), (819, 32505), (839, 32553), (845, 32562),

Gene: Nemo27_33 Start: 26636, Stop: 25122, Start Num: 171
Candidate Starts for Nemo27_33:
(Start: 136 @26678 has 1 MA's), (Start: 162 @26645 has 16 MA's), (Start: 171 @26636 has 113 MA's), (250, 26474), (277, 26408), (286, 26390), (325, 26315), (335, 26291), (351, 26252), (353, 26249), (380, 26162), (421, 26048), (425, 26036), (513, 25853), (573, 25742), (595, 25691), (682, 25562), (687, 25553), (721, 25478), (724, 25472), (781, 25349), (796, 25310), (878, 25160), (886, 25145),

Gene: Nerdos_48 Start: 34074, Stop: 35396, Start Num: 183
Candidate Starts for Nerdos_48:
(Start: 176 @34062 has 14 MA's), (Start: 183 @34074 has 17 MA's), (190, 34089), (229, 34176), (Start: 232 @34179 has 1 MA's), (246, 34203), (277, 34245), (283, 34254), (303, 34296), (305, 34305), (313, 34317), (352, 34407), (355, 34416), (363, 34440), (402, 34560), (411, 34566), (460, 34656), (483, 34671), (488, 34680), (509, 34713), (557, 34824), (559, 34830), (578, 34878), (590, 34893), (596, 34908), (636, 34968), (649, 34992), (696, 35073), (717, 35103), (734, 35133), (749, 35181), (789, 35259), (810, 35307), (816, 35316), (825, 35343), (846, 35382),

Gene: Nerujay_38 Start: 29948, Stop: 31531, Start Num: 103
Candidate Starts for Nerujay_38:
(Start: 103 @29948 has 30 MA's), (Start: 107 @29954 has 3 MA's), (Start: 117 @29960 has 12 MA's), (Start: 119 @29963 has 11 MA's), (Start: 126 @29978 has 4 MA's), (Start: 177 @30029 has 227 MA's), (Start: 186 @30044 has 10 MA's), (Start: 295 @30248 has 1 MA's), (Start: 297 @30254 has 1 MA's), (305, 30275), (Start: 360 @30404 has 1 MA's), (363, 30413), (365, 30422), (399, 30530), (410, 30551), (417, 30563), (425, 30587), (438, 30629), (516, 30758), (551, 30818), (574, 30875), (588, 30902), (602, 30929), (610, 30944), (685, 31046), (689, 31052), (703, 31085), (738, 31166), (743, 31181), (793, 31286), (847, 31400), (906, 31499), (917, 31523),

Gene: Nesbitt_55 Start: 38186, Stop: 39901, Start Num: 146
Candidate Starts for Nesbitt_55:
(128, 38162), (138, 38177), (Start: 146 @38186 has 3 MA's), (167, 38204), (201, 38276), (209, 38294), (245, 38378), (275, 38450), (292, 38495), (Start: 295 @38504 has 1 MA's), (300, 38522), (309, 38543), (337, 38612), (357, 38696), (395, 38813), (414, 38882), (445, 38975), (509, 39080), (520, 39104), (626, 39338), (630, 39347), (800, 39683), (804, 39695), (818, 39722), (840, 39776), (848, 39788), (852, 39797), (854, 39803), (867, 39827), (879, 39839), (910, 39893),

Gene: Nhonho_37 Start: 29766, Stop: 31268, Start Num: 177
Candidate Starts for Nhonho_37:
(Start: 131 @29721 has 4 MA's), (Start: 177 @29766 has 227 MA's), (Start: 186 @29781 has 10 MA's), (Start: 295 @29985 has 1 MA's), (Start: 297 @29991 has 1 MA's), (Start: 360 @30141 has 1 MA's), (363, 30150), (365, 30159), (399, 30267), (410, 30288), (417, 30300), (425, 30324), (438, 30366), (516, 30495), (551, 30555), (574, 30612), (588, 30639), (602, 30666), (604, 30669), (610, 30681), (664, 30750), (685, 30783), (689, 30789), (703, 30822), (738, 30903), (743, 30918), (793, 31023), (847, 31137), (906, 31236), (917, 31260),

Gene: Niobe_48 Start: 35962, Stop: 37383, Start Num: 170

Candidate Starts for Niobe_48:
(Start: 152 @35944 has 3 MA's), (Start: 165 @35959 has 1 MA's), (Start: 170 @35962 has 33 MA's), (Start: 177 @35971 has 227 MA's), (233, 36085), (Start: 241 @36109 has 1 MA's), (Start: 297 @36193 has 1 MA's), (312, 36226), (318, 36241), (351, 36304), (356, 36316), (358, 36325), (391, 36424), (403, 36466), (425, 36517), (438, 36556), (510, 36634), (523, 36661), (559, 36715), (711, 37021), (716, 37030), (718, 37039), (723, 37051), (808, 37222), (859, 37309),

Gene: Nitro_51 Start: 37058, Stop: 38473, Start Num: 177
Candidate Starts for Nitro_51:
(Start: 177 @37058 has 227 MA's), (Start: 189 @37076 has 3 MA's), (233, 37172), (Start: 297 @37280 has 1 MA's), (320, 37331), (351, 37391), (356, 37403), (365, 37433), (391, 37511), (425, 37604), (438, 37643), (661, 38003), (711, 38108), (718, 38126), (723, 38138), (808, 38309),

Gene: Niza_40 Start: 30658, Stop: 32160, Start Num: 177
Candidate Starts for Niza_40:
(Start: 103 @30577 has 30 MA's), (Start: 107 @30583 has 3 MA's), (Start: 117 @30589 has 12 MA's), (Start: 119 @30592 has 11 MA's), (Start: 126 @30607 has 4 MA's), (Start: 177 @30658 has 227 MA's), (Start: 186 @30673 has 10 MA's), (Start: 295 @30877 has 1 MA's), (Start: 297 @30883 has 1 MA's), (Start: 360 @31033 has 1 MA's), (363, 31042), (365, 31051), (399, 31159), (410, 31180), (417, 31192), (425, 31216), (438, 31258), (516, 31387), (551, 31447), (574, 31504), (602, 31558), (604, 31561), (610, 31573), (689, 31681), (703, 31714), (738, 31795), (743, 31810), (793, 31915), (847, 32029), (906, 32128), (917, 32152),

Gene: Noella_34 Start: 27230, Stop: 25722, Start Num: 177
Candidate Starts for Noella_34:
(Start: 152 @27245 has 3 MA's), (Start: 177 @27230 has 227 MA's), (Start: 181 @27224 has 3 MA's), (Start: 183 @27221 has 17 MA's), (274, 27053), (277, 27047), (338, 26930), (358, 26870), (395, 26753), (410, 26714), (423, 26687), (426, 26675), (485, 26540), (566, 26387), (608, 26297), (632, 26258), (698, 26168), (717, 26126), (721, 26114), (739, 26069), (746, 26048), (852, 25835), (867, 25814),

Gene: Noelle_33 Start: 26735, Stop: 25200, Start Num: 171
Candidate Starts for Noelle_33:
(Start: 142 @26771 has 24 MA's), (Start: 162 @26744 has 16 MA's), (Start: 171 @26735 has 113 MA's), (211, 26654), (250, 26573), (277, 26507), (286, 26489), (325, 26414), (351, 26351), (353, 26348), (393, 26219), (425, 26135), (450, 26066), (484, 26003), (489, 25994), (513, 25952), (551, 25895), (573, 25841), (595, 25790), (682, 25640), (687, 25631), (721, 25556), (759, 25463), (777, 25436), (781, 25427), (796, 25388), (840, 25301), (878, 25238), (886, 25223),

Gene: Norbert_33 Start: 27229, Stop: 25721, Start Num: 177
Candidate Starts for Norbert_33:
(Start: 152 @27244 has 3 MA's), (Start: 177 @27229 has 227 MA's), (Start: 181 @27223 has 3 MA's), (Start: 183 @27220 has 17 MA's), (274, 27052), (277, 27046), (338, 26929), (358, 26869), (395, 26752), (410, 26713), (423, 26686), (426, 26674), (485, 26539), (566, 26386), (608, 26296), (632, 26257), (698, 26167), (717, 26125), (721, 26113), (739, 26068), (746, 26047), (852, 25834), (867, 25813),

Gene: NorthStar_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for NorthStar_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886,

25146),

Gene: Northrop_33 Start: 26633, Stop: 25119, Start Num: 171
Candidate Starts for Northrop_33:
(Start: 136 @26675 has 1 MA's), (Start: 162 @26642 has 16 MA's), (Start: 171 @26633 has 113 MA's), (250, 26471), (277, 26405), (286, 26387), (325, 26312), (335, 26288), (351, 26249), (353, 26246), (380, 26159), (425, 26033), (430, 26021), (513, 25850), (573, 25739), (595, 25688), (682, 25559), (687, 25550), (721, 25475), (724, 25469), (781, 25346), (796, 25307), (878, 25157), (886, 25142),

Gene: Norz_39 Start: 30310, Stop: 31824, Start Num: 177
Candidate Starts for Norz_39:
(Start: 103 @30229 has 30 MA's), (Start: 107 @30235 has 3 MA's), (Start: 117 @30241 has 12 MA's), (Start: 119 @30244 has 11 MA's), (Start: 126 @30259 has 4 MA's), (Start: 177 @30310 has 227 MA's), (Start: 186 @30325 has 10 MA's), (230, 30418), (Start: 295 @30529 has 1 MA's), (Start: 297 @30535 has 1 MA's), (305, 30556), (Start: 360 @30685 has 1 MA's), (363, 30694), (365, 30703), (399, 30811), (410, 30832), (417, 30844), (425, 30868), (438, 30910), (516, 31039), (551, 31099), (574, 31156), (588, 31183), (594, 31198), (595, 31201), (602, 31210), (604, 31213), (610, 31225), (685, 31327), (689, 31333), (703, 31366), (706, 31369), (738, 31447), (743, 31462), (793, 31567), (847, 31681),

Gene: NotAPhaseMom_33 Start: 26641, Stop: 25127, Start Num: 171
Candidate Starts for NotAPhaseMom_33:
(Start: 136 @26683 has 1 MA's), (Start: 162 @26650 has 16 MA's), (Start: 171 @26641 has 113 MA's), (250, 26479), (277, 26413), (286, 26395), (325, 26320), (335, 26296), (351, 26257), (353, 26254), (380, 26167), (421, 26053), (425, 26041), (513, 25858), (573, 25747), (595, 25696), (682, 25567), (687, 25558), (721, 25483), (724, 25477), (781, 25354), (796, 25315), (878, 25165), (886, 25150),

Gene: Noxious_40 Start: 30907, Stop: 32409, Start Num: 177
Candidate Starts for Noxious_40:
(Start: 103 @30826 has 30 MA's), (Start: 107 @30832 has 3 MA's), (Start: 117 @30838 has 12 MA's), (Start: 119 @30841 has 11 MA's), (Start: 126 @30856 has 4 MA's), (Start: 177 @30907 has 227 MA's), (Start: 186 @30922 has 10 MA's), (Start: 295 @31126 has 1 MA's), (Start: 297 @31132 has 1 MA's), (305, 31153), (356, 31270), (Start: 360 @31282 has 1 MA's), (363, 31291), (365, 31300), (395, 31396), (399, 31408), (410, 31429), (417, 31441), (425, 31465), (516, 31636), (551, 31696), (574, 31753), (588, 31780), (602, 31807), (610, 31822), (664, 31891), (689, 31930), (703, 31963), (738, 32044), (743, 32059), (793, 32164), (847, 32278), (906, 32377), (917, 32401),

Gene: Nyxis_33 Start: 26572, Stop: 25076, Start Num: 177
Candidate Starts for Nyxis_33:
(Start: 106 @26638 has 11 MA's), (Start: 177 @26572 has 227 MA's), (Start: 189 @26554 has 3 MA's), (213, 26500), (239, 26449), (Start: 241 @26437 has 1 MA's), (316, 26311), (328, 26290), (344, 26260), (355, 26221), (366, 26182), (396, 26092), (421, 26032), (439, 25978), (523, 25840), (647, 25609), (693, 25519), (711, 25483), (721, 25456), (745, 25393), (849, 25183), (859, 25165), (875, 25153), (880, 25144),

Gene: OKCentral2016_33 Start: 26376, Stop: 24868, Start Num: 177
Candidate Starts for OKCentral2016_33:
(Start: 177 @26376 has 227 MA's), (Start: 189 @26358 has 3 MA's), (190, 26352), (233, 26265), (Start: 241 @26241 has 1 MA's), (338, 26076), (395, 25899), (410, 25860), (417, 25848), (421, 25836), (423, 25833), (426, 25821), (550, 25575), (558, 25554), (624, 25425), (632, 25404), (699, 25311), (711, 25287), (717, 25272), (739, 25215), (746, 25194),

Gene: OKaNui_34 Start: 26690, Stop: 25176, Start Num: 171
Candidate Starts for OKaNui_34:
(Start: 136 @26732 has 1 MA's), (Start: 162 @26699 has 16 MA's), (Start: 171 @26690 has 113 MA's), (250, 26528), (277, 26462), (286, 26444), (325, 26369), (335, 26345), (351, 26306), (353, 26303), (380, 26216), (421, 26102), (425, 26090), (513, 25907), (573, 25796), (595, 25745), (682, 25616), (687, 25607), (721, 25532), (724, 25526), (781, 25403), (796, 25364), (878, 25214), (886, 25199),

Gene: ObiToo_54 Start: 36249, Stop: 37667, Start Num: 170
Candidate Starts for ObiToo_54:
(Start: 152 @36231 has 3 MA's), (Start: 165 @36246 has 1 MA's), (Start: 170 @36249 has 33 MA's), (Start: 177 @36258 has 227 MA's), (233, 36372), (Start: 241 @36396 has 1 MA's), (255, 36417), (Start: 297 @36480 has 1 MA's), (318, 36528), (351, 36591), (356, 36603), (391, 36711), (403, 36753), (425, 36804), (438, 36843), (682, 37248), (718, 37323), (723, 37335), (769, 37428), (808, 37506), (861, 37596),

Gene: Ohno789_37 Start: 29422, Stop: 30924, Start Num: 177
Candidate Starts for Ohno789_37:
(Start: 103 @29341 has 30 MA's), (Start: 107 @29347 has 3 MA's), (Start: 117 @29353 has 12 MA's), (Start: 119 @29356 has 11 MA's), (Start: 126 @29371 has 4 MA's), (Start: 177 @29422 has 227 MA's), (Start: 186 @29437 has 10 MA's), (Start: 295 @29641 has 1 MA's), (Start: 297 @29647 has 1 MA's), (Start: 360 @29797 has 1 MA's), (363, 29806), (365, 29815), (399, 29923), (410, 29944), (417, 29956), (425, 29980), (516, 30151), (551, 30211), (574, 30268), (602, 30322), (610, 30337), (685, 30439), (689, 30445), (703, 30478), (706, 30481), (738, 30559), (743, 30574), (793, 30679), (847, 30793), (906, 30892), (917, 30916),

Gene: OkiRoe_38 Start: 31310, Stop: 32725, Start Num: 172
Candidate Starts for OkiRoe_38:
(Start: 172 @31310 has 26 MA's), (Start: 179 @31319 has 38 MA's), (235, 31439), (332, 31616), (346, 31640), (362, 31691), (375, 31733), (397, 31802), (406, 31829), (410, 31838), (423, 31865), (430, 31886), (435, 31904), (446, 31931), (477, 31976), (492, 31982), (543, 32087), (575, 32153), (578, 32162), (591, 32183), (600, 32201), (612, 32222), (662, 32309), (666, 32318), (667, 32321), (719, 32429), (735, 32465), (769, 32537), (773, 32546), (796, 32597), (816, 32636), (821, 32648), (824, 32657), (843, 32687), (851, 32702),

Gene: Oliynyk_50 Start: 34372, Stop: 35694, Start Num: 183
Candidate Starts for Oliynyk_50:
(Start: 176 @34360 has 14 MA's), (Start: 183 @34372 has 17 MA's), (190, 34387), (229, 34474), (Start: 232 @34477 has 1 MA's), (246, 34501), (283, 34552), (303, 34594), (305, 34603), (313, 34615), (352, 34705), (355, 34714), (363, 34738), (402, 34858), (411, 34864), (460, 34954), (483, 34969), (488, 34978), (509, 35011), (557, 35122), (559, 35128), (578, 35176), (590, 35191), (596, 35206), (636, 35266), (643, 35275), (649, 35290), (695, 35368), (717, 35401), (734, 35431), (749, 35479), (789, 35557), (810, 35605), (816, 35614), (825, 35641), (846, 35680),

Gene: Omar_55 Start: 36249, Stop: 37679, Start Num: 149
Candidate Starts for Omar_55:
(Start: 82 @36147 has 1 MA's), (Start: 118 @36198 has 3 MA's), (Start: 149 @36249 has 5 MA's), (Start: 157 @36258 has 10 MA's), (277, 36468), (Start: 297 @36495 has 1 MA's), (Start: 360 @36633 has 1 MA's), (402, 36762), (429, 36810), (483, 36921), (488, 36930), (515, 36978), (517, 36981), (533, 37020), (541, 37035), (591, 37149), (609, 37179), (659, 37263), (720, 37380), (738, 37416), (781, 37506), (784, 37515), (810, 37572), (833, 37620), (838, 37629), (861, 37668),

Gene: Omnicron_41 Start: 30937, Stop: 32343, Start Num: 179
Candidate Starts for Omnicron_41:
(Start: 172 @30928 has 26 MA's), (Start: 179 @30937 has 38 MA's), (Start: 221 @31024 has 6 MA's), (235, 31057), (Start: 295 @31150 has 1 MA's), (334, 31237), (346, 31258), (362, 31309), (375, 31351), (391, 31399), (397, 31420), (406, 31447), (410, 31456), (421, 31480), (423, 31483), (430, 31504), (435, 31522), (477, 31594), (492, 31600), (575, 31771), (578, 31780), (591, 31801), (600, 31819), (645, 31903), (662, 31927), (667, 31939), (695, 31996), (714, 32035), (719, 32047), (735, 32083), (743, 32107), (769, 32155), (773, 32164), (816, 32254), (821, 32266), (824, 32275), (851, 32320),

Gene: Oogway_36 Start: 28960, Stop: 30462, Start Num: 177
Candidate Starts for Oogway_36:
(Start: 103 @28879 has 30 MA's), (Start: 107 @28885 has 3 MA's), (Start: 117 @28891 has 12 MA's), (Start: 119 @28894 has 11 MA's), (Start: 126 @28909 has 4 MA's), (Start: 177 @28960 has 227 MA's), (230, 29068), (Start: 297 @29185 has 1 MA's), (305, 29206), (Start: 360 @29335 has 1 MA's), (363, 29344), (365, 29353), (399, 29461), (410, 29482), (417, 29494), (425, 29518), (516, 29689), (551, 29749), (574, 29806), (588, 29833), (602, 29860), (604, 29863), (610, 29875), (664, 29944), (685, 29977), (689, 29983), (703, 30016), (738, 30097), (743, 30112), (793, 30217), (847, 30331), (906, 30430), (917, 30454),

Gene: Ozzie_48 Start: 34171, Stop: 35505, Start Num: 176
Candidate Starts for Ozzie_48:
(Start: 176 @34171 has 14 MA's), (Start: 183 @34183 has 17 MA's), (190, 34198), (229, 34285), (Start: 232 @34288 has 1 MA's), (246, 34312), (277, 34354), (283, 34363), (303, 34405), (305, 34414), (313, 34426), (352, 34516), (355, 34525), (363, 34549), (402, 34669), (411, 34675), (460, 34765), (483, 34780), (488, 34789), (509, 34822), (557, 34933), (559, 34939), (578, 34987), (590, 35002), (596, 35017), (636, 35077), (643, 35086), (649, 35101), (696, 35182), (717, 35212), (734, 35242), (749, 35290), (789, 35368), (810, 35416), (816, 35425), (825, 35452), (846, 35491),

Gene: OzzyJ_51 Start: 36081, Stop: 37724, Start Num: 96
Candidate Starts for OzzyJ_51:
(25, 35901), (Start: 96 @36081 has 7 MA's), (Start: 142 @36147 has 24 MA's), (218, 36267), (234, 36306), (261, 36366), (269, 36384), (285, 36435), (319, 36516), (321, 36519), (353, 36591), (355, 36600), (356, 36603), (406, 36756), (430, 36813), (432, 36816), (434, 36825), (602, 37119), (624, 37149), (693, 37248), (703, 37272), (709, 37281), (719, 37305), (746, 37377), (834, 37566), (854, 37605), (868, 37629), (877, 37644), (885, 37659),

Gene: PCoral7_37 Start: 30351, Stop: 31742, Start Num: 179
Candidate Starts for PCoral7_37:
(Start: 134 @30300 has 6 MA's), (Start: 136 @30303 has 1 MA's), (Start: 179 @30351 has 38 MA's), (190, 30375), (Start: 206 @30408 has 9 MA's), (235, 30471), (Start: 295 @30564 has 1 MA's), (332, 30648), (378, 30774), (395, 30828), (430, 30918), (438, 30945), (481, 31023), (515, 31086), (530, 31122), (543, 31149), (568, 31200), (578, 31227), (594, 31242), (654, 31332), (662, 31344), (663, 31347), (729, 31482), (776, 31578), (796, 31623), (800, 31629),

Gene: PP_41 Start: 31804, Stop: 30374, Start Num: 152
Candidate Starts for PP_41:
(Start: 152 @31804 has 3 MA's), (Start: 177 @31789 has 227 MA's), (223, 31696), (328, 31507), (421, 31252), (550, 31051), (573, 30994), (624, 30904), (630, 30889), (754, 30658), (763, 30643), (909, 30388),

Gene: PSullivan_36 Start: 28595, Stop: 30097, Start Num: 177
Candidate Starts for PSullivan_36:

(Start: 103 @28514 has 30 MA's), (Start: 107 @28520 has 3 MA's), (Start: 117 @28526 has 12 MA's), (Start: 119 @28529 has 11 MA's), (Start: 126 @28544 has 4 MA's), (Start: 177 @28595 has 227 MA's), (Start: 183 @28604 has 17 MA's), (Start: 186 @28610 has 10 MA's), (235, 28712), (Start: 241 @28730 has 1 MA's), (250, 28742), (Start: 295 @28814 has 1 MA's), (Start: 297 @28820 has 1 MA's), (303, 28832), (305, 28841), (356, 28958), (Start: 360 @28970 has 1 MA's), (363, 28979), (365, 28988), (397, 29090), (399, 29096), (410, 29117), (417, 29129), (438, 29195), (516, 29324), (551, 29384), (574, 29441), (602, 29495), (610, 29510), (685, 29612), (689, 29618), (703, 29651), (706, 29654), (734, 29717), (743, 29747), (793, 29852), (847, 29966), (906, 30065), (917, 30089),

Gene: Pablito_52 Start: 36745, Stop: 38214, Start Num: 113
Candidate Starts for Pablito_52:
(Start: 113 @36745 has 1 MA's), (Start: 118 @36751 has 3 MA's), (Start: 134 @36781 has 6 MA's), (Start: 157 @36811 has 10 MA's), (160, 36814), (Start: 226 @36940 has 1 MA's), (229, 36946), (235, 36955), (277, 37018), (310, 37075), (321, 37096), (340, 37126), (341, 37129), (Start: 360 @37183 has 1 MA's), (402, 37312), (429, 37360), (431, 37363), (438, 37390), (483, 37462), (488, 37471), (502, 37492), (517, 37522), (605, 37708), (607, 37711), (738, 37951), (761, 38008), (781, 38041), (784, 38050), (810, 38107), (822, 38131), (833, 38155), (838, 38164), (849, 38182), (861, 38203),

Gene: PacerPaul_38 Start: 29421, Stop: 30920, Start Num: 177
Candidate Starts for PacerPaul_38:
(Start: 103 @29340 has 30 MA's), (Start: 107 @29346 has 3 MA's), (Start: 117 @29352 has 12 MA's), (Start: 119 @29355 has 11 MA's), (Start: 126 @29370 has 4 MA's), (Start: 177 @29421 has 227 MA's), (Start: 186 @29436 has 10 MA's), (Start: 295 @29640 has 1 MA's), (Start: 297 @29646 has 1 MA's), (305, 29667), (Start: 360 @29796 has 1 MA's), (363, 29805), (365, 29814), (399, 29922), (410, 29943), (417, 29955), (425, 29979), (516, 30150), (551, 30210), (574, 30267), (588, 30294), (602, 30321), (604, 30324), (610, 30336), (685, 30435), (703, 30474), (706, 30477), (738, 30555), (743, 30570), (847, 30789), (906, 30888), (917, 30912),

Gene: Paedore_54 Start: 37729, Stop: 39147, Start Num: 157
Candidate Starts for Paedore_54:
(Start: 157 @37729 has 10 MA's), (160, 37732), (Start: 226 @37858 has 1 MA's), (229, 37864), (277, 37936), (281, 37942), (321, 38014), (340, 38044), (341, 38047), (Start: 360 @38101 has 1 MA's), (402, 38230), (412, 38239), (429, 38278), (463, 38353), (483, 38389), (488, 38398), (517, 38449), (659, 38731), (698, 38800), (738, 38884), (781, 38974), (784, 38983), (810, 39040), (838, 39097), (841, 39103), (861, 39136),

Gene: Palestino_32 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for Palestino_32:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Panamaxus_33 Start: 27229, Stop: 25721, Start Num: 177
Candidate Starts for Panamaxus_33:
(Start: 152 @27244 has 3 MA's), (Start: 177 @27229 has 227 MA's), (Start: 181 @27223 has 3 MA's), (Start: 183 @27220 has 17 MA's), (274, 27052), (277, 27046), (338, 26929), (358, 26869), (395, 26752), (410, 26713), (423, 26686), (426, 26674), (485, 26539), (566, 26386), (608, 26296), (632, 26257), (698, 26167), (717, 26125), (721, 26113), (739, 26068), (746, 26047), (852, 25834), (867, 25813),

Gene: PandaPo_52 Start: 34525, Stop: 35946, Start Num: 165

Candidate Starts for PandaPo_52:
(Start: 152 @34510 has 3 MA's), (Start: 165 @34525 has 1 MA's), (Start: 170 @34528 has 33 MA's), (Start: 177 @34537 has 227 MA's), (233, 34651), (Start: 297 @34759 has 1 MA's), (318, 34807), (351, 34870), (356, 34882), (391, 34990), (425, 35083), (430, 35095), (438, 35122), (449, 35149), (709, 35581), (718, 35602), (749, 35680), (808, 35785),

Gene: Paola_38 Start: 31317, Stop: 32723, Start Num: 179
Candidate Starts for Paola_38:
(Start: 172 @31308 has 26 MA's), (Start: 179 @31317 has 38 MA's), (235, 31437), (332, 31614), (346, 31638), (362, 31689), (375, 31731), (391, 31779), (397, 31800), (406, 31827), (410, 31836), (423, 31863), (430, 31884), (435, 31902), (446, 31929), (477, 31974), (492, 31980), (543, 32085), (575, 32151), (578, 32160), (591, 32181), (600, 32199), (662, 32307), (666, 32316), (667, 32319), (719, 32427), (735, 32463), (769, 32535), (773, 32544), (796, 32595), (816, 32634), (821, 32646), (824, 32655), (843, 32685), (851, 32700),

Gene: Paolo_54 Start: 37643, Stop: 39124, Start Num: 118
Candidate Starts for Paolo_54:
(Start: 118 @37643 has 3 MA's), (Start: 149 @37694 has 5 MA's), (Start: 157 @37703 has 10 MA's), (277, 37913), (Start: 297 @37940 has 1 MA's), (Start: 360 @38078 has 1 MA's), (402, 38207), (429, 38255), (483, 38366), (488, 38375), (506, 38402), (515, 38423), (517, 38426), (533, 38465), (609, 38624), (659, 38708), (720, 38825), (738, 38861), (781, 38951), (784, 38960), (810, 39017), (833, 39065), (838, 39074), (861, 39113),

Gene: PapayaSalad_30 Start: 23309, Stop: 21576, Start Num: 205
Candidate Starts for PapayaSalad_30:
(39, 23606), (Start: 205 @23309 has 12 MA's), (273, 23135), (358, 22898), (425, 22676), (450, 22607), (532, 22457), (627, 22229), (667, 22148), (669, 22145), (677, 22124), (798, 21857), (812, 21827), (813, 21824), (833, 21773), (839, 21761), (848, 21746), (849, 21743), (882, 21683),

Gene: Papez_39 Start: 31106, Stop: 32608, Start Num: 177
Candidate Starts for Papez_39:
(Start: 103 @31025 has 30 MA's), (Start: 107 @31031 has 3 MA's), (Start: 117 @31037 has 12 MA's), (Start: 119 @31040 has 11 MA's), (Start: 126 @31055 has 4 MA's), (Start: 177 @31106 has 227 MA's), (Start: 186 @31121 has 10 MA's), (Start: 295 @31325 has 1 MA's), (Start: 297 @31331 has 1 MA's), (305, 31352), (Start: 360 @31481 has 1 MA's), (363, 31490), (365, 31499), (399, 31607), (410, 31628), (417, 31640), (425, 31664), (438, 31706), (516, 31835), (551, 31895), (574, 31952), (588, 31979), (602, 32006), (604, 32009), (610, 32021), (664, 32090), (689, 32129), (703, 32162), (738, 32243), (743, 32258), (793, 32363), (847, 32477), (906, 32576), (917, 32600),

Gene: Paphu_36 Start: 29268, Stop: 30851, Start Num: 103
Candidate Starts for Paphu_36:
(Start: 103 @29268 has 30 MA's), (Start: 107 @29274 has 3 MA's), (Start: 117 @29280 has 12 MA's), (Start: 119 @29283 has 11 MA's), (Start: 126 @29298 has 4 MA's), (Start: 177 @29349 has 227 MA's), (Start: 186 @29364 has 10 MA's), (190, 29373), (Start: 295 @29568 has 1 MA's), (Start: 297 @29574 has 1 MA's), (305, 29595), (Start: 360 @29724 has 1 MA's), (363, 29733), (365, 29742), (399, 29850), (410, 29871), (417, 29883), (425, 29907), (438, 29949), (516, 30078), (551, 30138), (574, 30195), (588, 30222), (602, 30249), (610, 30264), (664, 30333), (689, 30372), (703, 30405), (738, 30486), (743, 30501), (793, 30606), (847, 30720), (852, 30732), (906, 30819), (917, 30843),

Gene: Paraselene_36 Start: 29765, Stop: 31279, Start Num: 177
Candidate Starts for Paraselene_36:
(Start: 103 @29684 has 30 MA's), (Start: 107 @29690 has 3 MA's), (Start: 117 @29696 has 12 MA's), (Start: 119 @29699 has 11 MA's), (Start: 126 @29714 has 4 MA's), (Start: 177 @29765 has 227

MA's), (Start: 295 @29984 has 1 MA's), (Start: 297 @29990 has 1 MA's), (303, 30002), (305, 30011), (356, 30128), (Start: 360 @30140 has 1 MA's), (363, 30149), (365, 30158), (399, 30266), (410, 30287), (417, 30299), (425, 30323), (438, 30365), (510, 30479), (516, 30494), (551, 30554), (574, 30611), (588, 30638), (602, 30665), (604, 30668), (610, 30680), (689, 30788), (703, 30821), (738, 30902), (743, 30917), (847, 31136),

Gene: Pari_38 Start: 29191, Stop: 30693, Start Num: 177
Candidate Starts for Pari_38:
(Start: 131 @29146 has 4 MA's), (Start: 177 @29191 has 227 MA's), (Start: 186 @29206 has 10 MA's), (190, 29215), (Start: 297 @29416 has 1 MA's), (323, 29470), (Start: 360 @29566 has 1 MA's), (363, 29575), (365, 29584), (399, 29692), (410, 29713), (417, 29725), (425, 29749), (438, 29791), (516, 29920), (551, 29980), (574, 30037), (602, 30091), (610, 30106), (685, 30208), (689, 30214), (703, 30247), (738, 30328), (743, 30343), (793, 30448), (847, 30562), (906, 30661), (917, 30685),

Gene: Parliament_36 Start: 29511, Stop: 31013, Start Num: 177
Candidate Starts for Parliament_36:
(Start: 103 @29430 has 30 MA's), (Start: 107 @29436 has 3 MA's), (Start: 117 @29442 has 12 MA's), (Start: 119 @29445 has 11 MA's), (Start: 126 @29460 has 4 MA's), (Start: 177 @29511 has 227 MA's), (Start: 297 @29736 has 1 MA's), (Start: 360 @29886 has 1 MA's), (363, 29895), (365, 29904), (395, 30000), (399, 30012), (410, 30033), (417, 30045), (425, 30069), (438, 30111), (516, 30240), (551, 30300), (574, 30357), (602, 30411), (610, 30426), (689, 30534), (703, 30567), (738, 30648), (743, 30663), (847, 30882), (906, 30981), (917, 31005),

Gene: Partridge_29 Start: 23682, Stop: 22174, Start Num: 145
Candidate Starts for Partridge_29:
(Start: 145 @23682 has 32 MA's), (Start: 177 @23661 has 227 MA's), (Start: 181 @23655 has 3 MA's), (Start: 241 @23526 has 1 MA's), (277, 23478), (363, 23286), (373, 23247), (397, 23175), (423, 23115), (426, 23103), (471, 23010), (495, 22977), (508, 22956), (516, 22938), (523, 22926), (531, 22911), (536, 22905), (558, 22857), (571, 22824), (595, 22767), (624, 22728), (627, 22722), (718, 22572), (784, 22431), (913, 22185),

Gene: PascalRango_38 Start: 29461, Stop: 30963, Start Num: 177
Candidate Starts for PascalRango_38:
(Start: 103 @29380 has 30 MA's), (Start: 107 @29386 has 3 MA's), (Start: 117 @29392 has 12 MA's), (Start: 119 @29395 has 11 MA's), (Start: 126 @29410 has 4 MA's), (Start: 177 @29461 has 227 MA's), (Start: 295 @29680 has 1 MA's), (Start: 297 @29686 has 1 MA's), (305, 29707), (Start: 360 @29836 has 1 MA's), (363, 29845), (365, 29854), (399, 29962), (410, 29983), (417, 29995), (425, 30019), (438, 30061), (516, 30190), (551, 30250), (574, 30307), (588, 30334), (602, 30361), (610, 30376), (689, 30484), (703, 30517), (738, 30598), (743, 30613), (847, 30832), (906, 30931), (917, 30955),

Gene: PattyP_39 Start: 29688, Stop: 31190, Start Num: 177
Candidate Starts for PattyP_39:
(Start: 103 @29607 has 30 MA's), (Start: 107 @29613 has 3 MA's), (Start: 117 @29619 has 12 MA's), (Start: 119 @29622 has 11 MA's), (Start: 126 @29637 has 4 MA's), (Start: 177 @29688 has 227 MA's), (Start: 184 @29700 has 3 MA's), (Start: 297 @29913 has 1 MA's), (303, 29925), (305, 29934), (323, 29967), (Start: 360 @30063 has 1 MA's), (363, 30072), (365, 30081), (399, 30189), (410, 30210), (417, 30222), (425, 30246), (438, 30288), (516, 30417), (551, 30477), (574, 30534), (602, 30588), (604, 30591), (610, 30603), (664, 30672), (685, 30705), (689, 30711), (703, 30744), (738, 30825), (743, 30840), (793, 30945), (847, 31059), (906, 31158), (917, 31182),

Gene: Pavo_52 Start: 36851, Stop: 38260, Start Num: 175
Candidate Starts for Pavo_52:

(81, 36722), (123, 36788), (143, 36815), (Start: 175 @36851 has 2 MA's), (190, 36881), (229, 36968), (235, 36977), (283, 37046), (303, 37088), (305, 37097), (313, 37109), (352, 37199), (355, 37208), (356, 37211), (Start: 360 @37223 has 1 MA's), (363, 37232), (435, 37421), (470, 37508), (488, 37541), (517, 37592), (543, 37652), (557, 37685), (578, 37739), (644, 37841), (667, 37883), (673, 37895), (728, 37991), (734, 37994), (757, 38060), (770, 38078), (775, 38087), (810, 38168), (819, 38186), (821, 38192), (829, 38213), (840, 38234), (850, 38252),

Gene: Payneful_37 Start: 29028, Stop: 30608, Start Num: 119
Candidate Starts for Payneful_37:
(Start: 103 @29013 has 30 MA's), (Start: 107 @29019 has 3 MA's), (Start: 117 @29025 has 12 MA's), (Start: 119 @29028 has 11 MA's), (Start: 126 @29043 has 4 MA's), (Start: 177 @29094 has 227 MA's), (Start: 295 @29313 has 1 MA's), (Start: 297 @29319 has 1 MA's), (305, 29340), (Start: 360 @29469 has 1 MA's), (363, 29478), (365, 29487), (395, 29583), (399, 29595), (417, 29628), (430, 29664), (516, 29823), (551, 29883), (574, 29940), (602, 29994), (610, 30009), (689, 30117), (721, 30189), (738, 30231), (743, 30246), (847, 30465),

Gene: PeaceMeal1_32 Start: 23843, Stop: 25498, Start Num: 158
Candidate Starts for PeaceMeal1_32:
(130, 23804), (Start: 158 @23843 has 3 MA's), (Start: 174 @23852 has 3 MA's), (Start: 183 @23870 has 17 MA's), (Start: 192 @23894 has 1 MA's), (230, 23969), (235, 23978), (Start: 241 @23996 has 1 MA's), (Start: 295 @24080 has 1 MA's), (296, 24083), (313, 24119), (355, 24221), (363, 24245), (365, 24254), (395, 24350), (426, 24425), (430, 24434), (432, 24437), (497, 24554), (510, 24575), (516, 24590), (523, 24602), (550, 24650), (568, 24695), (602, 24767), (621, 24791), (689, 24911), (698, 24929), (699, 24932), (701, 24935), (755, 25070), (847, 25259), (902, 25352), (917, 25382), (919, 25406), (923, 25454), (924, 25472),

Gene: Peaches_33 Start: 26645, Stop: 25122, Start Num: 162
Candidate Starts for Peaches_33:
(Start: 136 @26678 has 1 MA's), (Start: 162 @26645 has 16 MA's), (Start: 171 @26636 has 113 MA's), (250, 26474), (277, 26408), (286, 26390), (325, 26315), (335, 26291), (351, 26252), (353, 26249), (380, 26162), (421, 26048), (425, 26036), (513, 25853), (573, 25742), (595, 25691), (682, 25562), (687, 25553), (721, 25478), (724, 25472), (781, 25349), (796, 25310), (878, 25160), (886, 25145),

Gene: PegLeg_134 Start: 69986, Stop: 68526, Start Num: 133
Candidate Starts for PegLeg_134:
(Start: 106 @70028 has 11 MA's), (128, 69995), (Start: 133 @69986 has 21 MA's), (190, 69914), (233, 69833), (Start: 259 @69791 has 1 MA's), (277, 69767), (313, 69695), (355, 69578), (373, 69515), (407, 69431), (412, 69419), (430, 69377), (435, 69359), (527, 69197), (539, 69176), (559, 69125), (574, 69098), (587, 69071), (663, 68951), (738, 68801), (774, 68723), (794, 68678), (820, 68621),

Gene: Pelly_37 Start: 29661, Stop: 31163, Start Num: 177
Candidate Starts for Pelly_37:
(Start: 103 @29580 has 30 MA's), (Start: 107 @29586 has 3 MA's), (Start: 117 @29592 has 12 MA's), (Start: 119 @29595 has 11 MA's), (Start: 126 @29610 has 4 MA's), (Start: 177 @29661 has 227 MA's), (Start: 186 @29676 has 10 MA's), (190, 29685), (Start: 295 @29880 has 1 MA's), (Start: 297 @29886 has 1 MA's), (305, 29907), (Start: 360 @30036 has 1 MA's), (363, 30045), (365, 30054), (399, 30162), (410, 30183), (417, 30195), (425, 30219), (438, 30261), (516, 30390), (551, 30450), (574, 30507), (602, 30561), (604, 30564), (610, 30576), (689, 30684), (703, 30717), (738, 30798), (743, 30813), (793, 30918), (847, 31032), (906, 31131), (917, 31155),

Gene: Pepe_33 Start: 27246, Stop: 28529, Start Num: 295
Candidate Starts for Pepe_33:

(Start: 295 @27246 has 1 MA's), (Start: 297 @27252 has 1 MA's), (305, 27273), (356, 27390), (Start: 360 @27402 has 1 MA's), (363, 27411), (365, 27420), (366, 27426), (395, 27516), (399, 27528), (417, 27561), (516, 27756), (551, 27816), (574, 27873), (602, 27927), (610, 27942), (689, 28050), (703, 28083), (738, 28164), (743, 28179), (847, 28398), (906, 28497), (917, 28521),

Gene: Percival_59 Start: 38819, Stop: 40306, Start Num: 176
Candidate Starts for Percival_59:
(Start: 176 @38819 has 14 MA's), (Start: 206 @38882 has 9 MA's), (Start: 221 @38912 has 6 MA's), (277, 39011), (279, 39014), (Start: 297 @39050 has 1 MA's), (355, 39182), (358, 39194), (384, 39266), (402, 39323), (421, 39350), (454, 39428), (488, 39476), (574, 39653), (578, 39665), (641, 39785), (659, 39818), (693, 39878), (714, 39920), (719, 39932), (779, 40058), (785, 40073), (819, 40151), (825, 40169), (902, 40301),

Gene: Perplexer_33 Start: 26653, Stop: 25130, Start Num: 162
Candidate Starts for Perplexer_33:
(Start: 136 @26686 has 1 MA's), (Start: 162 @26653 has 16 MA's), (Start: 171 @26644 has 113 MA's), (250, 26482), (277, 26416), (286, 26398), (325, 26323), (351, 26260), (353, 26257), (380, 26170), (425, 26044), (513, 25861), (551, 25804), (573, 25750), (595, 25699), (682, 25570), (687, 25561), (721, 25486), (724, 25480), (777, 25366), (781, 25357), (796, 25318), (878, 25168), (886, 25153),

Gene: Perseus_39 Start: 30449, Stop: 31951, Start Num: 177
Candidate Starts for Perseus_39:
(Start: 95 @30359 has 1 MA's), (Start: 103 @30368 has 30 MA's), (Start: 107 @30374 has 3 MA's), (Start: 117 @30380 has 12 MA's), (Start: 119 @30383 has 11 MA's), (Start: 126 @30398 has 4 MA's), (Start: 177 @30449 has 227 MA's), (Start: 186 @30464 has 10 MA's), (Start: 295 @30668 has 1 MA's), (Start: 297 @30674 has 1 MA's), (356, 30812), (Start: 360 @30824 has 1 MA's), (363, 30833), (365, 30842), (399, 30950), (410, 30971), (417, 30983), (425, 31007), (438, 31049), (516, 31178), (551, 31238), (574, 31295), (588, 31322), (602, 31349), (604, 31352), (610, 31364), (689, 31472), (703, 31505), (738, 31586), (743, 31601), (847, 31820), (906, 31919), (917, 31943),

Gene: PeterPeter_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for PeterPeter_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Peterson_40 Start: 31280, Stop: 32779, Start Num: 177
Candidate Starts for Peterson_40:
(Start: 177 @31280 has 227 MA's), (Start: 295 @31499 has 1 MA's), (Start: 297 @31505 has 1 MA's), (303, 31517), (305, 31526), (323, 31559), (338, 31589), (340, 31592), (Start: 360 @31655 has 1 MA's), (365, 31673), (395, 31769), (399, 31781), (417, 31814), (444, 31892), (449, 31907), (516, 32009), (551, 32069), (568, 32111), (574, 32126), (588, 32153), (594, 32168), (595, 32171), (602, 32180), (610, 32195), (685, 32294), (703, 32333), (721, 32372), (724, 32378), (738, 32414), (743, 32429), (748, 32444), (786, 32519), (847, 32648), (906, 32747), (917, 32771),

Gene: PetiteSangsue_33 Start: 26647, Stop: 25133, Start Num: 171
Candidate Starts for PetiteSangsue_33:
(Start: 136 @26689 has 1 MA's), (Start: 162 @26656 has 16 MA's), (Start: 171 @26647 has 113 MA's), (250, 26485), (277, 26419), (286, 26401), (325, 26326), (351, 26263), (353, 26260), (380, 26173), (425, 26047), (513, 25864), (551, 25807), (573, 25753), (595, 25702), (682, 25573), (687, 25564), (721, 25489), (724, 25483), (777, 25369), (781, 25360), (796, 25321), (878, 25171), (886,

25156),

Gene: Petp2012_39 Start: 30278, Stop: 31861, Start Num: 103
Candidate Starts for Petp2012_39:
(Start: 103 @30278 has 30 MA's), (Start: 107 @30284 has 3 MA's), (Start: 117 @30290 has 12 MA's), (Start: 119 @30293 has 11 MA's), (Start: 126 @30308 has 4 MA's), (Start: 177 @30359 has 227 MA's), (Start: 184 @30371 has 3 MA's), (Start: 297 @30584 has 1 MA's), (303, 30596), (305, 30605), (323, 30638), (Start: 360 @30734 has 1 MA's), (363, 30743), (365, 30752), (399, 30860), (410, 30881), (417, 30893), (425, 30917), (438, 30959), (516, 31088), (551, 31148), (574, 31205), (588, 31232), (602, 31259), (604, 31262), (610, 31274), (664, 31343), (685, 31376), (689, 31382), (703, 31415), (738, 31496), (743, 31511), (793, 31616), (847, 31730), (906, 31829), (917, 31853),

Gene: Petruchio_38 Start: 29593, Stop: 31176, Start Num: 103
Candidate Starts for Petruchio_38:
(Start: 103 @29593 has 30 MA's), (Start: 107 @29599 has 3 MA's), (Start: 117 @29605 has 12 MA's), (Start: 119 @29608 has 11 MA's), (Start: 126 @29623 has 4 MA's), (Start: 177 @29674 has 227 MA's), (Start: 186 @29689 has 10 MA's), (Start: 297 @29899 has 1 MA's), (Start: 360 @30049 has 1 MA's), (365, 30067), (399, 30175), (410, 30196), (417, 30208), (425, 30232), (438, 30274), (516, 30403), (551, 30463), (574, 30520), (588, 30547), (602, 30574), (604, 30577), (610, 30589), (671, 30667), (689, 30697), (703, 30730), (721, 30769), (738, 30811), (743, 30826), (793, 30931), (847, 31045), (906, 31144), (917, 31168),

Gene: PetterN_32 Start: 25311, Stop: 23830, Start Num: 177
Candidate Starts for PetterN_32:
(Start: 134 @25338 has 6 MA's), (Start: 177 @25311 has 227 MA's), (Start: 193 @25275 has 3 MA's), (Start: 241 @25176 has 1 MA's), (268, 25140), (Start: 297 @25092 has 1 MA's), (316, 25050), (329, 25026), (344, 24999), (355, 24960), (363, 24936), (410, 24792), (562, 24498), (583, 24453), (595, 24423), (610, 24399), (624, 24384), (670, 24324), (693, 24273), (698, 24264), (721, 24210), (735, 24177), (763, 24111), (796, 24048), (859, 23919), (913, 23841),

Gene: Phacado_33 Start: 26636, Stop: 25122, Start Num: 171
Candidate Starts for Phacado_33:
(Start: 136 @26678 has 1 MA's), (Start: 162 @26645 has 16 MA's), (Start: 171 @26636 has 113 MA's), (250, 26474), (277, 26408), (286, 26390), (325, 26315), (335, 26291), (351, 26252), (353, 26249), (380, 26162), (421, 26048), (425, 26036), (513, 25853), (573, 25742), (595, 25691), (682, 25562), (687, 25553), (721, 25478), (724, 25472), (781, 25349), (796, 25310), (878, 25160), (886, 25145),

Gene: PhailMary_28 Start: 23958, Stop: 22462, Start Num: 145
Candidate Starts for PhailMary_28:
(Start: 145 @23958 has 32 MA's), (Start: 177 @23937 has 227 MA's), (Start: 181 @23931 has 3 MA's), (Start: 241 @23802 has 1 MA's), (277, 23754), (321, 23667), (363, 23562), (397, 23451), (423, 23391), (426, 23379), (449, 23316), (471, 23286), (495, 23253), (508, 23232), (523, 23202), (536, 23181), (557, 23136), (558, 23133), (560, 23127), (595, 23043), (624, 23004), (627, 22998), (693, 22902), (709, 22869), (718, 22848), (721, 22839), (796, 22677),

Gene: PherrisBueller_38 Start: 29250, Stop: 30752, Start Num: 177
Candidate Starts for PherrisBueller_38:
(Start: 103 @29169 has 30 MA's), (Start: 107 @29175 has 3 MA's), (Start: 117 @29181 has 12 MA's), (Start: 126 @29199 has 4 MA's), (Start: 177 @29250 has 227 MA's), (Start: 297 @29475 has 1 MA's), (Start: 360 @29625 has 1 MA's), (363, 29634), (365, 29643), (410, 29772), (417, 29784), (425, 29808), (516, 29979), (551, 30039), (574, 30096), (602, 30150), (604, 30153), (610, 30165), (689, 30273), (703, 30306), (738, 30387), (743, 30402), (847, 30621), (906, 30720), (917, 30744),

Gene: Phettuccine_49 Start: 34075, Stop: 35397, Start Num: 183
Candidate Starts for Phettuccine_49:
(Start: 176 @34063 has 14 MA's), (Start: 183 @34075 has 17 MA's), (190, 34090), (229, 34177), (Start: 232 @34180 has 1 MA's), (246, 34204), (277, 34246), (283, 34255), (303, 34297), (305, 34306), (313, 34318), (352, 34408), (355, 34417), (363, 34441), (402, 34561), (411, 34567), (460, 34657), (483, 34672), (488, 34681), (509, 34714), (557, 34825), (559, 34831), (578, 34879), (590, 34894), (596, 34909), (636, 34969), (643, 34978), (649, 34993), (696, 35074), (717, 35104), (734, 35134), (749, 35182), (789, 35260), (810, 35308), (816, 35317), (825, 35344), (846, 35383),

Gene: Phighter1804_33 Start: 26682, Stop: 25120, Start Num: 106
Candidate Starts for Phighter1804_33:
(Start: 106 @26682 has 11 MA's), (Start: 177 @26616 has 227 MA's), (Start: 189 @26598 has 3 MA's), (214, 26541), (223, 26523), (239, 26493), (Start: 241 @26481 has 1 MA's), (316, 26355), (328, 26334), (344, 26304), (355, 26265), (366, 26226), (396, 26136), (421, 26076), (439, 26022), (523, 25884), (647, 25653), (693, 25563), (711, 25527), (721, 25500), (742, 25446), (745, 25437), (849, 25227), (859, 25209), (875, 25197), (880, 25188),

Gene: Phillis_30 Start: 25078, Stop: 23576, Start Num: 171
Candidate Starts for Phillis_30:
(Start: 117 @25147 has 12 MA's), (Start: 136 @25120 has 1 MA's), (Start: 142 @25114 has 24 MA's), (Start: 171 @25078 has 113 MA's), (Start: 241 @24928 has 1 MA's), (294, 24823), (325, 24757), (331, 24739), (351, 24697), (353, 24694), (380, 24607), (425, 24481), (461, 24388), (489, 24340), (513, 24298), (552, 24238), (595, 24136), (682, 24001), (717, 23929), (759, 23824), (781, 23788), (796, 23749), (807, 23725), (871, 23617),

Gene: PhineBark_36 Start: 30329, Stop: 31828, Start Num: 186
Candidate Starts for PhineBark_36:
(Start: 103 @30233 has 30 MA's), (Start: 107 @30239 has 3 MA's), (Start: 117 @30245 has 12 MA's), (Start: 119 @30248 has 11 MA's), (Start: 126 @30263 has 4 MA's), (Start: 177 @30314 has 227 MA's), (Start: 186 @30329 has 10 MA's), (Start: 295 @30533 has 1 MA's), (Start: 297 @30539 has 1 MA's), (305, 30560), (356, 30677), (Start: 360 @30689 has 1 MA's), (363, 30698), (365, 30707), (395, 30803), (399, 30815), (410, 30836), (417, 30848), (425, 30872), (516, 31043), (551, 31103), (574, 31160), (588, 31187), (602, 31214), (604, 31217), (610, 31229), (689, 31337), (738, 31451), (743, 31466), (847, 31685),

Gene: Phives_54 Start: 37471, Stop: 38946, Start Num: 164
Candidate Starts for Phives_54:
(Start: 156 @37462 has 1 MA's), (Start: 164 @37471 has 4 MA's), (345, 37792), (433, 38071), (523, 38245), (634, 38437), (749, 38674), (838, 38836),

Gene: Phlippers_35 Start: 29975, Stop: 31474, Start Num: 177
Candidate Starts for Phlippers_35:
(Start: 93 @29885 has 2 MA's), (Start: 131 @29930 has 4 MA's), (Start: 177 @29975 has 227 MA's), (Start: 186 @29990 has 10 MA's), (190, 29999), (Start: 297 @30200 has 1 MA's), (356, 30338), (Start: 360 @30350 has 1 MA's), (363, 30359), (365, 30368), (399, 30476), (410, 30497), (417, 30509), (425, 30533), (438, 30575), (516, 30704), (551, 30764), (574, 30821), (588, 30848), (602, 30875), (604, 30878), (610, 30890), (685, 30989), (703, 31028), (738, 31109), (743, 31124), (793, 31229), (847, 31343), (906, 31442), (917, 31466),

Gene: Phlorence_30 Start: 25886, Stop: 24393, Start Num: 177
Candidate Starts for Phlorence_30:

(Start: 177 @25886 has 227 MA's), (Start: 192 @25853 has 1 MA's), (Start: 193 @25850 has 3 MA's), (Start: 206 @25832 has 9 MA's), (Start: 241 @25751 has 1 MA's), (326, 25607), (340, 25580), (356, 25532), (410, 25367), (421, 25343), (423, 25340), (430, 25319), (536, 25130), (624, 24959), (698, 24824), (717, 24782), (721, 24770), (754, 24686), (763, 24671), (777, 24656), (859, 24479), (887, 24449), (907, 24416),

Gene: Phontbonne_33 Start: 26573, Stop: 25077, Start Num: 177
Candidate Starts for Phontbonne_33:
(Start: 106 @26639 has 11 MA's), (Start: 177 @26573 has 227 MA's), (Start: 189 @26555 has 3 MA's), (213, 26501), (239, 26450), (Start: 241 @26438 has 1 MA's), (316, 26312), (328, 26291), (344, 26261), (355, 26222), (366, 26183), (396, 26093), (421, 26033), (439, 25979), (523, 25841), (647, 25610), (693, 25520), (711, 25484), (721, 25457), (745, 25394), (849, 25184), (859, 25166), (875, 25154), (880, 25145),

Gene: Phoxy_36 Start: 27306, Stop: 25738, Start Num: 171
Candidate Starts for Phoxy_36:
(67, 27456), (73, 27441), (Start: 142 @27342 has 24 MA's), (Start: 171 @27306 has 113 MA's), (294, 27051), (304, 27027), (331, 26967), (351, 26919), (353, 26916), (380, 26829), (386, 26817), (391, 26796), (397, 26772), (425, 26703), (450, 26634), (452, 26625), (513, 26520), (536, 26475), (595, 26343), (650, 26259), (685, 26202), (781, 25995), (842, 25854),

Gene: Phrankenstein_29 Start: 23582, Stop: 22086, Start Num: 145
Candidate Starts for Phrankenstein_29:
(Start: 145 @23582 has 32 MA's), (Start: 177 @23561 has 227 MA's), (Start: 181 @23555 has 3 MA's), (Start: 241 @23426 has 1 MA's), (277, 23378), (363, 23186), (397, 23075), (423, 23015), (426, 23003), (449, 22940), (471, 22910), (495, 22877), (508, 22856), (523, 22826), (531, 22811), (536, 22805), (558, 22757), (571, 22724), (595, 22667), (624, 22628), (627, 22622), (693, 22526), (709, 22493), (718, 22472), (721, 22463), (796, 22301),

Gene: PhrostyMug_38 Start: 29522, Stop: 31114, Start Num: 95
Candidate Starts for PhrostyMug_38:
(Start: 95 @29522 has 1 MA's), (Start: 103 @29531 has 30 MA's), (Start: 107 @29537 has 3 MA's), (Start: 117 @29543 has 12 MA's), (Start: 119 @29546 has 11 MA's), (Start: 126 @29561 has 4 MA's), (Start: 177 @29612 has 227 MA's), (Start: 186 @29627 has 10 MA's), (Start: 295 @29831 has 1 MA's), (Start: 297 @29837 has 1 MA's), (Start: 360 @29987 has 1 MA's), (363, 29996), (365, 30005), (399, 30113), (410, 30134), (417, 30146), (425, 30170), (438, 30212), (516, 30341), (551, 30401), (574, 30458), (602, 30512), (610, 30527), (689, 30635), (703, 30668), (724, 30713), (738, 30749), (743, 30764), (847, 30983), (906, 31082), (917, 31106),

Gene: Picard_30 Start: 23566, Stop: 21923, Start Num: 205
Candidate Starts for Picard_30:
(Start: 205 @23566 has 12 MA's), (291, 23353), (364, 23146), (395, 23047), (421, 22954), (584, 22591), (624, 22513), (627, 22507), (667, 22426), (669, 22423), (727, 22288), (739, 22255), (744, 22240), (817, 22087), (833, 22045), (834, 22042), (848, 22018), (873, 21973), (885, 21949),

Gene: Piccadilly_29 Start: 22936, Stop: 21356, Start Num: 221
Candidate Starts for Piccadilly_29:
(Start: 221 @22936 has 6 MA's), (237, 22891), (291, 22756), (Start: 297 @22738 has 1 MA's), (482, 22225), (584, 21997), (649, 21868), (654, 21862), (669, 21832), (732, 21700), (744, 21661), (755, 21634), (785, 21577), (813, 21517), (817, 21508), (839, 21454), (847, 21442), (848, 21439), (872, 21409), (877, 21400), (885, 21385),

Gene: PickleBack_30 Start: 25546, Stop: 24107, Start Num: 206

Candidate Starts for PickleBack_30:
(Start: 177 @25600 has 227 MA's), (Start: 192 @25567 has 1 MA's), (Start: 193 @25564 has 3 MA's), (Start: 206 @25546 has 9 MA's), (Start: 241 @25465 has 1 MA's), (326, 25321), (340, 25294), (356, 25246), (410, 25081), (421, 25057), (423, 25054), (430, 25033), (536, 24844), (624, 24673), (698, 24538), (717, 24496), (721, 24484), (754, 24400), (763, 24385), (777, 24370), (859, 24193), (887, 24163), (907, 24130),

Gene: PinkPlastic_36 Start: 29201, Stop: 30703, Start Num: 177
Candidate Starts for PinkPlastic_36:
(Start: 103 @29120 has 30 MA's), (Start: 107 @29126 has 3 MA's), (Start: 117 @29132 has 12 MA's), (Start: 119 @29135 has 11 MA's), (Start: 126 @29150 has 4 MA's), (Start: 177 @29201 has 227 MA's), (Start: 186 @29216 has 10 MA's), (Start: 295 @29420 has 1 MA's), (Start: 297 @29426 has 1 MA's), (356, 29564), (Start: 360 @29576 has 1 MA's), (363, 29585), (365, 29594), (399, 29702), (410, 29723), (417, 29735), (438, 29801), (516, 29930), (551, 29990), (574, 30047), (588, 30074), (602, 30101), (610, 30116), (664, 30185), (685, 30218), (689, 30224), (703, 30257), (738, 30338), (743, 30353), (793, 30458), (847, 30572), (906, 30671), (917, 30695),

Gene: Pinto_39 Start: 29632, Stop: 31134, Start Num: 177
Candidate Starts for Pinto_39:
(84, 29530), (Start: 94 @29542 has 1 MA's), (Start: 103 @29551 has 30 MA's), (Start: 107 @29557 has 3 MA's), (Start: 117 @29563 has 12 MA's), (Start: 119 @29566 has 11 MA's), (Start: 126 @29581 has 4 MA's), (Start: 177 @29632 has 227 MA's), (Start: 183 @29641 has 17 MA's), (Start: 186 @29647 has 10 MA's), (190, 29656), (Start: 192 @29665 has 1 MA's), (Start: 295 @29851 has 1 MA's), (Start: 297 @29857 has 1 MA's), (303, 29869), (305, 29878), (356, 29995), (Start: 360 @30007 has 1 MA's), (363, 30016), (365, 30025), (395, 30121), (399, 30133), (417, 30166), (438, 30232), (516, 30361), (551, 30421), (574, 30478), (602, 30532), (610, 30547), (685, 30649), (689, 30655), (703, 30688), (706, 30691), (734, 30754), (743, 30784), (793, 30889), (847, 31003), (906, 31102), (917, 31126),

Gene: Pipcraft_33 Start: 26646, Stop: 25123, Start Num: 162
Candidate Starts for Pipcraft_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Pippin_39 Start: 29765, Stop: 31279, Start Num: 177
Candidate Starts for Pippin_39:
(Start: 103 @29684 has 30 MA's), (Start: 107 @29690 has 3 MA's), (Start: 117 @29696 has 12 MA's), (Start: 119 @29699 has 11 MA's), (Start: 126 @29714 has 4 MA's), (Start: 177 @29765 has 227 MA's), (Start: 186 @29780 has 10 MA's), (Start: 295 @29984 has 1 MA's), (Start: 297 @29990 has 1 MA's), (305, 30011), (356, 30128), (Start: 360 @30140 has 1 MA's), (363, 30149), (365, 30158), (399, 30266), (410, 30287), (417, 30299), (425, 30323), (438, 30365), (516, 30494), (551, 30554), (574, 30611), (588, 30638), (602, 30665), (604, 30668), (610, 30680), (664, 30749), (685, 30782), (689, 30788), (703, 30821), (738, 30902), (743, 30917), (793, 31022), (847, 31136),

Gene: Pita2_39 Start: 30092, Stop: 31594, Start Num: 177
Candidate Starts for Pita2_39:
(Start: 103 @30011 has 30 MA's), (Start: 107 @30017 has 3 MA's), (Start: 117 @30023 has 12 MA's), (Start: 119 @30026 has 11 MA's), (Start: 126 @30041 has 4 MA's), (Start: 177 @30092 has 227 MA's), (Start: 183 @30101 has 17 MA's), (Start: 186 @30107 has 10 MA's), (235, 30209), (Start: 241 @30227 has 1 MA's), (250, 30239), (Start: 295 @30311 has 1 MA's), (Start: 297 @30317 has 1 MA's),

(303, 30329), (305, 30338), (356, 30455), (Start: 360 @30467 has 1 MA's), (363, 30476), (365, 30485), (397, 30587), (399, 30593), (410, 30614), (417, 30626), (438, 30692), (516, 30821), (551, 30881), (574, 30938), (602, 30992), (610, 31007), (685, 31109), (689, 31115), (703, 31148), (706, 31151), (734, 31214), (743, 31244), (793, 31349), (847, 31463), (906, 31562), (917, 31586),

Gene: Pixelle_52 Start: 38117, Stop: 39577, Start Num: 172
Candidate Starts for Pixelle_52:
(Start: 116 @38054 has 1 MA's), (Start: 158 @38108 has 3 MA's), (Start: 172 @38117 has 26 MA's), (282, 38303), (298, 38336), (355, 38474), (358, 38486), (391, 38585), (408, 38636), (444, 38729), (631, 39062), (749, 39305), (897, 39563),

Gene: Pocahontas_34 Start: 27226, Stop: 25718, Start Num: 177
Candidate Starts for Pocahontas_34:
(Start: 152 @27241 has 3 MA's), (Start: 177 @27226 has 227 MA's), (Start: 181 @27220 has 3 MA's), (Start: 183 @27217 has 17 MA's), (274, 27049), (277, 27043), (338, 26926), (358, 26866), (395, 26749), (410, 26710), (423, 26683), (426, 26671), (485, 26536), (566, 26383), (608, 26293), (632, 26254), (698, 26164), (717, 26122), (721, 26110), (739, 26065), (746, 26044), (852, 25831), (867, 25810),

Gene: Ponzi_7 Start: 4826, Stop: 6589, Start Num: 163
Candidate Starts for Ponzi_7:
(155, 4817), (Start: 163 @4826 has 1 MA's), (215, 4943), (227, 4976), (244, 5024), (277, 5084), (323, 5180), (348, 5261), (392, 5423), (427, 5537), (440, 5576), (490, 5684), (520, 5741), (577, 5891), (593, 5930), (595, 5939), (607, 5957), (625, 5999), (635, 6023), (651, 6053), (667, 6086), (750, 6278), (826, 6452), (839, 6479), (847, 6491), (884, 6560), (893, 6572), (896, 6578), (898, 6581),

Gene: Poompha_32 Start: 23841, Stop: 25496, Start Num: 158
Candidate Starts for Poompha_32:
(130, 23802), (Start: 158 @23841 has 3 MA's), (Start: 174 @23850 has 3 MA's), (Start: 183 @23868 has 17 MA's), (Start: 192 @23892 has 1 MA's), (230, 23967), (235, 23976), (Start: 241 @23994 has 1 MA's), (Start: 295 @24078 has 1 MA's), (296, 24081), (313, 24117), (355, 24219), (363, 24243), (365, 24252), (395, 24348), (410, 24384), (426, 24423), (430, 24432), (432, 24435), (497, 24552), (510, 24573), (516, 24588), (523, 24600), (550, 24648), (568, 24693), (602, 24765), (621, 24789), (689, 24909), (698, 24927), (699, 24930), (701, 24933), (755, 25068), (847, 25257), (902, 25350), (917, 25380), (919, 25404), (923, 25452), (924, 25470),

Gene: Popcicle_34 Start: 27226, Stop: 25718, Start Num: 177
Candidate Starts for Popcicle_34:
(Start: 152 @27241 has 3 MA's), (Start: 177 @27226 has 227 MA's), (Start: 181 @27220 has 3 MA's), (Start: 183 @27217 has 17 MA's), (274, 27049), (277, 27043), (338, 26926), (358, 26866), (395, 26749), (410, 26710), (423, 26683), (426, 26671), (485, 26536), (566, 26383), (608, 26293), (632, 26254), (698, 26164), (717, 26122), (721, 26110), (739, 26065), (746, 26044), (852, 25831), (867, 25810),

Gene: PowerRanger_38 Start: 30483, Stop: 31985, Start Num: 177
Candidate Starts for PowerRanger_38:
(Start: 103 @30402 has 30 MA's), (Start: 107 @30408 has 3 MA's), (Start: 117 @30414 has 12 MA's), (Start: 119 @30417 has 11 MA's), (Start: 126 @30432 has 4 MA's), (Start: 177 @30483 has 227 MA's), (Start: 295 @30702 has 1 MA's), (Start: 297 @30708 has 1 MA's), (305, 30729), (Start: 360 @30858 has 1 MA's), (363, 30867), (365, 30876), (399, 30984), (410, 31005), (417, 31017), (425, 31041), (438, 31083), (516, 31212), (551, 31272), (574, 31329), (588, 31356), (602, 31383), (610, 31398), (689, 31506), (703, 31539), (738, 31620), (743, 31635), (793, 31740), (847, 31854), (906, 31953), (917, 31977),

Gene: Powerpuff_52 Start: 36416, Stop: 37834, Start Num: 170
Candidate Starts for Powerpuff_52:
(Start: 152 @36398 has 3 MA's), (Start: 165 @36413 has 1 MA's), (Start: 170 @36416 has 33 MA's), (Start: 177 @36425 has 227 MA's), (233, 36539), (Start: 241 @36563 has 1 MA's), (Start: 297 @36647 has 1 MA's), (351, 36758), (356, 36770), (358, 36779), (391, 36878), (425, 36971), (430, 36983), (438, 37010), (559, 37169), (718, 37490), (723, 37502), (738, 37535), (808, 37673),

Gene: Prinashe11_30 Start: 25745, Stop: 24252, Start Num: 177
Candidate Starts for Prinashe11_30:
(Start: 177 @25745 has 227 MA's), (Start: 192 @25712 has 1 MA's), (Start: 193 @25709 has 3 MA's), (Start: 206 @25691 has 9 MA's), (Start: 241 @25610 has 1 MA's), (326, 25466), (340, 25439), (356, 25391), (410, 25226), (421, 25202), (423, 25199), (430, 25178), (536, 24989), (602, 24848), (624, 24818), (717, 24641), (721, 24629), (754, 24545), (763, 24530), (777, 24515), (859, 24338), (887, 24308), (907, 24275),

Gene: PrincePatrick_38 Start: 29413, Stop: 30801, Start Num: 179
Candidate Starts for PrincePatrick_38:
(Start: 179 @29413 has 38 MA's), (199, 29455), (Start: 206 @29470 has 9 MA's), (Start: 295 @29626 has 1 MA's), (321, 29683), (366, 29803), (378, 29836), (395, 29890), (397, 29896), (406, 29923), (423, 29959), (483, 30091), (517, 30151), (530, 30184), (540, 30202), (574, 30277), (578, 30289), (594, 30304), (627, 30340), (654, 30394), (662, 30406), (702, 30487), (736, 30559), (743, 30580), (758, 30613), (764, 30622), (767, 30625), (773, 30637), (776, 30640), (780, 30649), (824, 30745), (836, 30766), (846, 30781),

Gene: ProMouse_37 Start: 29463, Stop: 31043, Start Num: 103
Candidate Starts for ProMouse_37:
(32, 29307), (35, 29310), (40, 29325), (58, 29388), (Start: 103 @29463 has 30 MA's), (Start: 107 @29469 has 3 MA's), (Start: 117 @29475 has 12 MA's), (Start: 119 @29478 has 11 MA's), (Start: 126 @29493 has 4 MA's), (Start: 177 @29544 has 227 MA's), (Start: 186 @29559 has 10 MA's), (Start: 295 @29763 has 1 MA's), (Start: 297 @29769 has 1 MA's), (305, 29790), (356, 29907), (Start: 360 @29919 has 1 MA's), (363, 29928), (365, 29937), (366, 29943), (395, 30033), (399, 30045), (417, 30078), (438, 30144), (516, 30273), (551, 30333), (574, 30390), (602, 30444), (610, 30459), (685, 30558), (703, 30597), (706, 30600), (738, 30678), (743, 30693), (847, 30912), (906, 31011), (917, 31035),

Gene: Provolone_52 Start: 36671, Stop: 38251, Start Num: 114
Candidate Starts for Provolone_52:
(Start: 82 @36623 has 1 MA's), (Start: 105 @36659 has 4 MA's), (Start: 114 @36671 has 1 MA's), (Start: 193 @36800 has 3 MA's), (199, 36806), (Start: 206 @36821 has 9 MA's), (277, 36950), (288, 36974), (Start: 297 @36989 has 1 MA's), (313, 37022), (321, 37040), (337, 37082), (Start: 360 @37151 has 1 MA's), (361, 37154), (372, 37196), (408, 37295), (427, 37343), (434, 37364), (467, 37445), (473, 37454), (475, 37457), (506, 37508), (574, 37655), (619, 37742), (636, 37775), (644, 37790), (645, 37796), (652, 37805), (666, 37829), (733, 37973), (737, 37988), (739, 37994), (787, 38093), (828, 38186),

Gene: Psycho_39 Start: 31271, Stop: 32716, Start Num: 166
Candidate Starts for Psycho_39:
(59, 31100), (75, 31136), (130, 31223), (Start: 166 @31271 has 7 MA's), (Start: 206 @31346 has 9 MA's), (211, 31358), (277, 31469), (279, 31472), (296, 31505), (305, 31529), (336, 31592), (363, 31667), (472, 31943), (578, 32165), (584, 32177), (622, 32225), (636, 32255), (645, 32276), (662, 32300), (736, 32453), (772, 32534), (777, 32540), (782, 32552), (796, 32588), (800, 32594), (808, 32612), (810, 32615), (817, 32630), (819, 32636), (839, 32684), (845, 32693),

Gene: Puginator_54 Start: 37656, Stop: 39170, Start Num: 93
Candidate Starts for Puginator_54:
(Start: 93 @37656 has 2 MA's), (102, 37668), (108, 37677), (Start: 118 @37689 has 3 MA's), (Start: 149 @37740 has 5 MA's), (Start: 157 @37749 has 10 MA's), (277, 37959), (Start: 297 @37986 has 1 MA's), (Start: 360 @38124 has 1 MA's), (402, 38253), (429, 38301), (483, 38412), (488, 38421), (506, 38448), (515, 38469), (517, 38472), (533, 38511), (541, 38526), (607, 38667), (609, 38670), (659, 38754), (720, 38871), (738, 38907), (760, 38961), (761, 38964), (781, 38997), (810, 39063), (838, 39120), (861, 39159),

Gene: Pumbaa_33 Start: 26690, Stop: 25128, Start Num: 106
Candidate Starts for Pumbaa_33:
(Start: 106 @26690 has 11 MA's), (Start: 177 @26624 has 227 MA's), (Start: 189 @26606 has 3 MA's), (214, 26549), (223, 26531), (239, 26501), (Start: 241 @26489 has 1 MA's), (316, 26363), (328, 26342), (344, 26312), (355, 26273), (396, 26144), (421, 26084), (439, 26030), (523, 25892), (647, 25661), (693, 25571), (711, 25535), (721, 25508), (742, 25454), (745, 25445), (849, 25235), (859, 25217), (875, 25205), (880, 25196),

Gene: Pumpkins_48 Start: 35749, Stop: 37167, Start Num: 170
Candidate Starts for Pumpkins_48:
(Start: 152 @35731 has 3 MA's), (Start: 165 @35746 has 1 MA's), (Start: 170 @35749 has 33 MA's), (Start: 177 @35758 has 227 MA's), (Start: 297 @35980 has 1 MA's), (351, 36091), (356, 36103), (358, 36112), (391, 36211), (403, 36253), (425, 36304), (497, 36400), (682, 36748), (709, 36802), (711, 36805), (718, 36823), (723, 36835),

Gene: Puppet_37 Start: 29460, Stop: 30959, Start Num: 177
Candidate Starts for Puppet_37:
(Start: 103 @29379 has 30 MA's), (Start: 107 @29385 has 3 MA's), (Start: 117 @29391 has 12 MA's), (Start: 119 @29394 has 11 MA's), (Start: 126 @29409 has 4 MA's), (Start: 177 @29460 has 227 MA's), (Start: 295 @29679 has 1 MA's), (Start: 297 @29685 has 1 MA's), (305, 29706), (Start: 360 @29835 has 1 MA's), (363, 29844), (365, 29853), (399, 29961), (410, 29982), (417, 29994), (425, 30018), (438, 30060), (516, 30189), (551, 30249), (574, 30306), (588, 30333), (602, 30360), (604, 30363), (610, 30375), (685, 30474), (703, 30513), (738, 30594), (743, 30609), (793, 30714), (847, 30828), (906, 30927), (917, 30951),

Gene: QTRlifeCrisis_38 Start: 30185, Stop: 31672, Start Num: 186
Candidate Starts for QTRlifeCrisis_38:
(Start: 103 @30089 has 30 MA's), (Start: 107 @30095 has 3 MA's), (Start: 117 @30101 has 12 MA's), (Start: 119 @30104 has 11 MA's), (Start: 126 @30119 has 4 MA's), (Start: 177 @30170 has 227 MA's), (Start: 186 @30185 has 10 MA's), (Start: 295 @30389 has 1 MA's), (Start: 297 @30395 has 1 MA's), (303, 30407), (305, 30416), (Start: 360 @30545 has 1 MA's), (363, 30554), (365, 30563), (399, 30671), (410, 30692), (417, 30704), (425, 30728), (438, 30770), (516, 30899), (526, 30917), (551, 30959), (574, 31016), (588, 31043), (602, 31070), (604, 31073), (610, 31085), (664, 31154), (685, 31187), (689, 31193), (703, 31226), (738, 31307), (743, 31322), (793, 31427), (847, 31541), (906, 31640), (917, 31664),

Gene: QuinnKiro_33 Start: 27229, Stop: 25721, Start Num: 177
Candidate Starts for QuinnKiro_33:
(Start: 152 @27244 has 3 MA's), (Start: 177 @27229 has 227 MA's), (Start: 181 @27223 has 3 MA's), (Start: 183 @27220 has 17 MA's), (274, 27052), (277, 27046), (338, 26929), (358, 26869), (395, 26752), (410, 26713), (423, 26686), (426, 26674), (485, 26539), (566, 26386), (608, 26296), (632, 26257), (698, 26167), (717, 26125), (721, 26113), (739, 26068), (746, 26047), (852, 25834), (867, 25813),

Gene: R4_53 Start: 37594, Stop: 39006, Start Num: 157
Candidate Starts for R4_53:
(Start: 157 @37594 has 10 MA's), (160, 37597), (Start: 226 @37723 has 1 MA's), (229, 37729), (235, 37738), (277, 37801), (321, 37879), (340, 37909), (341, 37912), (Start: 360 @37966 has 1 MA's), (402, 38095), (412, 38104), (429, 38143), (438, 38173), (463, 38218), (488, 38263), (517, 38314), (541, 38368), (575, 38452), (659, 38590), (738, 38743), (752, 38782), (761, 38800), (781, 38833), (784, 38842), (810, 38899), (819, 38914), (838, 38956), (841, 38962), (861, 38995),

Gene: REQ1_22 Start: 7618, Stop: 9012, Start Num: 162
Candidate Starts for REQ1_22:
(Start: 162 @7618 has 16 MA's), (190, 7663), (Start: 206 @7693 has 9 MA's), (230, 7747), (235, 7756), (243, 7774), (356, 7990), (375, 8050), (423, 8182), (426, 8194), (435, 8221), (488, 8305), (541, 8410), (594, 8509), (624, 8539), (636, 8566), (640, 8572), (645, 8587), (662, 8611), (714, 8719), (739, 8779), (756, 8821), (796, 8896), (810, 8923),

Gene: RER2_22 Start: 20508, Stop: 19012, Start Num: 145
Candidate Starts for RER2_22:
(Start: 145 @20508 has 32 MA's), (Start: 177 @20487 has 227 MA's), (Start: 181 @20481 has 3 MA's), (Start: 241 @20352 has 1 MA's), (277, 20304), (321, 20217), (363, 20112), (397, 20001), (423, 19941), (426, 19929), (449, 19866), (471, 19836), (495, 19803), (508, 19782), (523, 19752), (536, 19731), (557, 19686), (558, 19683), (560, 19677), (595, 19593), (624, 19554), (627, 19548), (693, 19452), (709, 19419), (718, 19398), (721, 19389), (796, 19227),

Gene: RGL3_22 Start: 20966, Stop: 19488, Start Num: 177
Candidate Starts for RGL3_22:
(110, 21038), (Start: 145 @20987 has 32 MA's), (Start: 177 @20966 has 227 MA's), (Start: 181 @20960 has 3 MA's), (Start: 241 @20831 has 1 MA's), (250, 20819), (323, 20690), (340, 20657), (355, 20612), (383, 20528), (397, 20477), (426, 20408), (439, 20369), (444, 20360), (459, 20324), (497, 20279), (525, 20228), (533, 20213), (536, 20210), (560, 20159), (568, 20141), (584, 20102), (595, 20078), (602, 20069), (606, 20063), (624, 20039), (631, 20021), (653, 20000), (692, 19946), (698, 19934), (793, 19727), (795, 19721), (796, 19718), (822, 19661), (840, 19622), (842, 19619), (854, 19595), (859, 19589),

Gene: Raid_37 Start: 29509, Stop: 31092, Start Num: 103
Candidate Starts for Raid_37:
(Start: 103 @29509 has 30 MA's), (Start: 107 @29515 has 3 MA's), (Start: 117 @29521 has 12 MA's), (Start: 119 @29524 has 11 MA's), (Start: 126 @29539 has 4 MA's), (Start: 177 @29590 has 227 MA's), (Start: 186 @29605 has 10 MA's), (190, 29614), (Start: 297 @29815 has 1 MA's), (303, 29827), (356, 29953), (Start: 360 @29965 has 1 MA's), (363, 29974), (365, 29983), (399, 30091), (410, 30112), (417, 30124), (425, 30148), (438, 30190), (516, 30319), (551, 30379), (574, 30436), (602, 30490), (610, 30505), (685, 30607), (689, 30613), (703, 30646), (738, 30727), (743, 30742), (847, 30961), (906, 31060), (917, 31084),

Gene: Rajelicia_37 Start: 29587, Stop: 31089, Start Num: 177
Candidate Starts for Rajelicia_37:
(Start: 103 @29506 has 30 MA's), (Start: 107 @29512 has 3 MA's), (Start: 117 @29518 has 12 MA's), (Start: 119 @29521 has 11 MA's), (Start: 126 @29536 has 4 MA's), (Start: 177 @29587 has 227 MA's), (Start: 186 @29602 has 10 MA's), (Start: 297 @29812 has 1 MA's), (303, 29824), (305, 29833), (Start: 360 @29962 has 1 MA's), (363, 29971), (365, 29980), (399, 30088), (410, 30109), (417, 30121), (425, 30145), (438, 30187), (516, 30316), (551, 30376), (574, 30433), (588, 30460), (602, 30487), (604, 30490), (610, 30502), (664, 30571), (685, 30604), (689, 30610), (703, 30643), (738, 30724), (743, 30739), (793, 30844), (847, 30958), (906, 31057), (917, 31081),

Gene: Raleigh_29 Start: 25082, Stop: 23370, Start Num: 205
Candidate Starts for Raleigh_29:
(Start: 205 @25082 has 12 MA's), (236, 25007), (291, 24866), (303, 24833), (308, 24818), (358, 24677), (361, 24671), (421, 24467), (448, 24389), (469, 24353), (598, 24074), (618, 24038), (627, 24020), (694, 23879), (727, 23807), (740, 23771), (744, 23759), (782, 23684), (785, 23675), (810, 23621), (823, 23588), (840, 23549), (848, 23537), (874, 23495), (882, 23483), (885, 23474),

Gene: Rana_51 Start: 35146, Stop: 36723, Start Num: 142
Candidate Starts for Rana_51:
(Start: 96 @35080 has 7 MA's), (Start: 142 @35146 has 24 MA's), (218, 35266), (269, 35383), (285, 35434), (319, 35515), (321, 35518), (353, 35590), (355, 35599), (356, 35602), (357, 35605), (363, 35623), (406, 35755), (430, 35812), (432, 35815), (434, 35824), (442, 35848), (492, 35917), (568, 36043), (571, 36052), (602, 36118), (624, 36148), (693, 36247), (703, 36271), (709, 36280), (719, 36304), (746, 36376), (834, 36565), (854, 36604), (868, 36628), (877, 36643), (885, 36658),

Gene: Rando14_40 Start: 30508, Stop: 31914, Start Num: 179
Candidate Starts for Rando14_40:
(Start: 172 @30499 has 26 MA's), (Start: 179 @30508 has 38 MA's), (Start: 221 @30595 has 6 MA's), (235, 30628), (Start: 295 @30721 has 1 MA's), (313, 30760), (332, 30805), (346, 30829), (362, 30880), (375, 30922), (391, 30970), (397, 30991), (406, 31018), (410, 31027), (421, 31051), (423, 31054), (430, 31075), (435, 31093), (477, 31165), (492, 31171), (575, 31342), (591, 31372), (600, 31390), (645, 31474), (662, 31498), (667, 31510), (695, 31567), (714, 31606), (719, 31618), (735, 31654), (743, 31678), (769, 31726), (773, 31735), (785, 31759), (816, 31825), (821, 31837), (824, 31846), (843, 31876), (851, 31891),

Gene: Rasputin_29 Start: 23605, Stop: 22109, Start Num: 145
Candidate Starts for Rasputin_29:
(Start: 145 @23605 has 32 MA's), (Start: 177 @23584 has 227 MA's), (Start: 181 @23578 has 3 MA's), (Start: 241 @23449 has 1 MA's), (277, 23401), (363, 23209), (373, 23170), (397, 23098), (423, 23038), (426, 23026), (471, 22933), (495, 22900), (508, 22879), (516, 22861), (523, 22849), (531, 22834), (536, 22828), (558, 22780), (571, 22747), (595, 22690), (624, 22651), (627, 22645), (693, 22549), (709, 22516), (718, 22495), (721, 22486), (796, 22324),

Gene: Rebeuca_35 Start: 27045, Stop: 25537, Start Num: 177
Candidate Starts for Rebeuca_35:
(Start: 177 @27045 has 227 MA's), (Start: 181 @27039 has 3 MA's), (Start: 189 @27027 has 3 MA's), (190, 27021), (233, 26934), (Start: 241 @26910 has 1 MA's), (338, 26745), (395, 26568), (410, 26529), (417, 26517), (421, 26505), (423, 26502), (426, 26490), (550, 26244), (558, 26223), (604, 26121), (632, 26073), (692, 25995), (699, 25980), (711, 25956), (717, 25941), (739, 25884), (746, 25863), (867, 25629),

Gene: RedBear_51 Start: 36343, Stop: 37929, Start Num: 134
Candidate Starts for RedBear_51:
(Start: 96 @36286 has 7 MA's), (Start: 134 @36343 has 6 MA's), (Start: 142 @36352 has 24 MA's), (218, 36472), (269, 36589), (285, 36640), (319, 36721), (321, 36724), (353, 36796), (355, 36805), (356, 36808), (406, 36961), (410, 36970), (430, 37018), (434, 37030), (442, 37054), (492, 37123), (494, 37126), (571, 37258), (602, 37324), (624, 37354), (693, 37453), (701, 37468), (703, 37477), (709, 37486), (719, 37510), (746, 37582), (834, 37771), (854, 37810), (864, 37825), (868, 37834), (877, 37849),

Gene: Reedo_49 Start: 33722, Stop: 35224, Start Num: 126
Candidate Starts for Reedo_49:

(Start: 126 @33722 has 4 MA's), (Start: 154 @33761 has 5 MA's), (Start: 172 @33779 has 26 MA's), (282, 33959), (Start: 295 @33983 has 1 MA's), (324, 34046), (345, 34082), (365, 34160), (468, 34430), (491, 34469), (499, 34481), (510, 34499), (523, 34526), (557, 34571), (777, 34985), (804, 35045), (819, 35078), (866, 35162),

Gene: RegnumDei_42 Start: 32482, Stop: 33900, Start Num: 179
Candidate Starts for RegnumDei_42:
(62, 32308), (84, 32356), (92, 32368), (Start: 177 @32479 has 227 MA's), (Start: 179 @32482 has 38 MA's), (Start: 206 @32539 has 9 MA's), (230, 32593), (235, 32602), (Start: 295 @32698 has 1 MA's), (305, 32725), (356, 32839), (391, 32947), (410, 33001), (477, 33151), (487, 33169), (488, 33172), (540, 33274), (543, 33283), (662, 33499), (691, 33559), (729, 33640), (773, 33733), (801, 33790), (812, 33814), (814, 33820), (826, 33850),

Gene: Reindeer_133 Start: 71279, Stop: 69777, Start Num: 106
Candidate Starts for Reindeer_133:
(Start: 106 @71279 has 11 MA's), (128, 71246), (Start: 133 @71237 has 21 MA's), (190, 71165), (Start: 259 @71042 has 1 MA's), (277, 71018), (313, 70946), (330, 70907), (355, 70829), (Start: 360 @70814 has 1 MA's), (373, 70766), (390, 70727), (412, 70670), (435, 70610), (527, 70448), (559, 70376), (587, 70322), (641, 70241), (659, 70208), (677, 70175), (710, 70109), (738, 70052), (774, 69974), (794, 69929), (820, 69872), (838, 69830),

Gene: Relief_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for Relief_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: RemusLoopin_55 Start: 38615, Stop: 40381, Start Num: 117
Candidate Starts for RemusLoopin_55:
(99, 38591), (112, 38609), (Start: 117 @38615 has 12 MA's), (Start: 126 @38630 has 4 MA's), (Start: 154 @38669 has 5 MA's), (Start: 164 @38681 has 4 MA's), (218, 38789), (242, 38858), (256, 38882), (264, 38900), (286, 38963), (317, 39044), (382, 39230), (388, 39242), (389, 39245), (393, 39257), (413, 39317), (435, 39404), (442, 39422), (450, 39443), (457, 39464), (523, 39584), (567, 39689), (578, 39716), (599, 39758), (628, 39809), (657, 39851), (688, 39905), (709, 39950), (733, 40004), (743, 40037), (748, 40052), (798, 40154), (803, 40166), (817, 40199), (830, 40235), (840, 40256), (848, 40268),

Gene: ResDef_34 Start: 27229, Stop: 25721, Start Num: 177
Candidate Starts for ResDef_34:
(Start: 152 @27244 has 3 MA's), (Start: 177 @27229 has 227 MA's), (Start: 181 @27223 has 3 MA's), (Start: 183 @27220 has 17 MA's), (274, 27052), (277, 27046), (338, 26929), (358, 26869), (395, 26752), (410, 26713), (423, 26686), (426, 26674), (485, 26539), (566, 26386), (608, 26296), (632, 26257), (698, 26167), (717, 26125), (721, 26113), (739, 26068), (746, 26047), (852, 25834), (867, 25813),

Gene: RexFury_29 Start: 23667, Stop: 22171, Start Num: 145
Candidate Starts for RexFury_29:
(Start: 145 @23667 has 32 MA's), (Start: 177 @23646 has 227 MA's), (Start: 181 @23640 has 3 MA's), (Start: 241 @23511 has 1 MA's), (277, 23463), (321, 23376), (363, 23271), (397, 23160), (409, 23130), (423, 23100), (426, 23088), (449, 23025), (471, 22995), (495, 22962), (508, 22941), (523, 22911), (531, 22896), (536, 22890), (558, 22842), (571, 22809), (595, 22752), (624, 22713), (627,

22707), (693, 22611), (709, 22578), (718, 22557), (721, 22548), (796, 22386),

Gene: Rey_148 Start: 70427, Stop: 68973, Start Num: 133
Candidate Starts for Rey_148:
(91, 70490), (Start: 106 @70469 has 11 MA's), (128, 70436), (Start: 133 @70427 has 21 MA's), (Start: 181 @70373 has 3 MA's), (190, 70355), (313, 70136), (355, 70019), (373, 69956), (412, 69866), (430, 69824), (517, 69671), (543, 69611), (574, 69545), (587, 69518), (641, 69437), (658, 69407), (662, 69401), (663, 69398), (738, 69248), (745, 69227), (774, 69170), (820, 69068),

Gene: Rhodalysa_29 Start: 23636, Stop: 22140, Start Num: 145
Candidate Starts for Rhodalysa_29:
(Start: 145 @23636 has 32 MA's), (Start: 177 @23615 has 227 MA's), (Start: 181 @23609 has 3 MA's), (Start: 241 @23480 has 1 MA's), (277, 23432), (363, 23240), (397, 23129), (423, 23069), (426, 23057), (449, 22994), (471, 22964), (495, 22931), (508, 22910), (523, 22880), (531, 22865), (536, 22859), (558, 22811), (571, 22778), (595, 22721), (624, 22682), (627, 22676), (693, 22580), (709, 22547), (718, 22526), (721, 22517), (796, 22355),

Gene: RhynO_35 Start: 27045, Stop: 25519, Start Num: 177
Candidate Starts for RhynO_35:
(Start: 152 @27060 has 3 MA's), (Start: 177 @27045 has 227 MA's), (Start: 241 @26910 has 1 MA's), (410, 26529), (423, 26502), (426, 26490), (542, 26250), (558, 26223), (576, 26178), (591, 26151), (608, 26112), (632, 26073), (692, 25995), (711, 25956), (717, 25941), (739, 25884), (746, 25863), (793, 25776), (840, 25671), (852, 25650), (854, 25644), (899, 25575),

Gene: Rhynn_37 Start: 29603, Stop: 31105, Start Num: 177
Candidate Starts for Rhynn_37:
(Start: 103 @29522 has 30 MA's), (Start: 107 @29528 has 3 MA's), (Start: 117 @29534 has 12 MA's), (Start: 119 @29537 has 11 MA's), (Start: 126 @29552 has 4 MA's), (Start: 177 @29603 has 227 MA's), (Start: 186 @29618 has 10 MA's), (211, 29669), (Start: 297 @29828 has 1 MA's), (Start: 360 @29978 has 1 MA's), (363, 29987), (365, 29996), (399, 30104), (410, 30125), (417, 30137), (425, 30161), (438, 30203), (516, 30332), (551, 30392), (574, 30449), (588, 30476), (602, 30503), (610, 30518), (664, 30587), (689, 30626), (703, 30659), (738, 30740), (743, 30755), (793, 30860), (847, 30974), (906, 31073), (917, 31097),

Gene: RidgeCB_37 Start: 29192, Stop: 30691, Start Num: 177
Candidate Starts for RidgeCB_37:
(Start: 131 @29147 has 4 MA's), (Start: 177 @29192 has 227 MA's), (Start: 186 @29207 has 10 MA's), (190, 29216), (250, 29339), (Start: 295 @29411 has 1 MA's), (Start: 297 @29417 has 1 MA's), (305, 29438), (323, 29471), (Start: 360 @29567 has 1 MA's), (363, 29576), (365, 29585), (399, 29693), (410, 29714), (417, 29726), (425, 29750), (438, 29792), (516, 29921), (551, 29981), (574, 30038), (588, 30065), (602, 30092), (604, 30095), (610, 30107), (685, 30206), (703, 30245), (738, 30326), (743, 30341), (793, 30446), (847, 30560), (852, 30572), (906, 30659), (917, 30683),

Gene: Ringer_38 Start: 30000, Stop: 31502, Start Num: 177
Candidate Starts for Ringer_38:
(Start: 95 @29910 has 1 MA's), (Start: 103 @29919 has 30 MA's), (Start: 107 @29925 has 3 MA's), (Start: 117 @29931 has 12 MA's), (Start: 119 @29934 has 11 MA's), (Start: 126 @29949 has 4 MA's), (Start: 177 @30000 has 227 MA's), (Start: 186 @30015 has 10 MA's), (190, 30024), (Start: 295 @30219 has 1 MA's), (Start: 297 @30225 has 1 MA's), (Start: 360 @30375 has 1 MA's), (363, 30384), (365, 30393), (366, 30399), (395, 30489), (399, 30501), (417, 30534), (516, 30729), (551, 30789), (574, 30846), (602, 30900), (610, 30915), (685, 31017), (689, 31023), (703, 31056), (738, 31137), (743, 31152), (847, 31371), (906, 31470), (917, 31494),

Gene: Roary_30 Start: 24978, Stop: 23476, Start Num: 171
Candidate Starts for Roary_30:
(Start: 117 @25047 has 12 MA's), (Start: 136 @25020 has 1 MA's), (Start: 142 @25014 has 24 MA's), (Start: 171 @24978 has 113 MA's), (Start: 241 @24828 has 1 MA's), (294, 24723), (325, 24657), (331, 24639), (351, 24597), (353, 24594), (380, 24507), (421, 24393), (425, 24381), (461, 24288), (489, 24240), (513, 24198), (552, 24138), (595, 24036), (682, 23901), (717, 23829), (724, 23811), (759, 23724), (781, 23688), (796, 23649), (839, 23565), (871, 23517),

Gene: RockScotty_42 Start: 31328, Stop: 32767, Start Num: 172
Candidate Starts for RockScotty_42:
(Start: 172 @31328 has 26 MA's), (230, 31439), (235, 31448), (282, 31511), (Start: 295 @31535 has 1 MA's), (298, 31544), (356, 31694), (358, 31703), (408, 31859), (410, 31865), (423, 31892), (559, 32126), (565, 32141), (629, 32249), (765, 32519), (861, 32696), (867, 32711), (870, 32714),

Gene: RockieBear_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for RockieBear_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Rocksand_33 Start: 26633, Stop: 25119, Start Num: 171
Candidate Starts for Rocksand_33:
(Start: 136 @26675 has 1 MA's), (Start: 162 @26642 has 16 MA's), (Start: 171 @26633 has 113 MA's), (250, 26471), (277, 26405), (286, 26387), (325, 26312), (335, 26288), (351, 26249), (353, 26246), (380, 26159), (425, 26033), (430, 26021), (513, 25850), (573, 25739), (595, 25688), (682, 25559), (687, 25550), (721, 25475), (724, 25469), (781, 25346), (796, 25307), (878, 25157), (886, 25142),

Gene: Rohr_38 Start: 29540, Stop: 31123, Start Num: 103
Candidate Starts for Rohr_38:
(Start: 103 @29540 has 30 MA's), (Start: 107 @29546 has 3 MA's), (Start: 117 @29552 has 12 MA's), (Start: 119 @29555 has 11 MA's), (Start: 126 @29570 has 4 MA's), (Start: 177 @29621 has 227 MA's), (Start: 183 @29630 has 17 MA's), (Start: 186 @29636 has 10 MA's), (190, 29645), (Start: 192 @29654 has 1 MA's), (Start: 297 @29846 has 1 MA's), (303, 29858), (305, 29867), (323, 29900), (Start: 360 @29996 has 1 MA's), (363, 30005), (365, 30014), (399, 30122), (410, 30143), (417, 30155), (425, 30179), (438, 30221), (516, 30350), (551, 30410), (574, 30467), (588, 30494), (602, 30521), (604, 30524), (610, 30536), (664, 30605), (685, 30638), (689, 30644), (703, 30677), (738, 30758), (743, 30773), (793, 30878), (847, 30992), (906, 31091), (917, 31115),

Gene: Romney_33 Start: 26646, Stop: 25123, Start Num: 162
Candidate Starts for Romney_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (425, 26037), (430, 26025), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Roosevelt_33 Start: 26639, Stop: 25125, Start Num: 171
Candidate Starts for Roosevelt_33:
(Start: 136 @26681 has 1 MA's), (Start: 162 @26648 has 16 MA's), (Start: 171 @26639 has 113 MA's), (250, 26477), (277, 26411), (286, 26393), (325, 26318), (335, 26294), (351, 26255), (353,

26252), (380, 26165), (421, 26051), (425, 26039), (513, 25856), (573, 25745), (595, 25694), (682, 25565), (687, 25556), (721, 25481), (724, 25475), (781, 25352), (796, 25313), (878, 25163), (886, 25148),

Gene: Rosa24_32 Start: 26548, Stop: 25127, Start Num: 214
Candidate Starts for Rosa24_32:
(70, 26737), (Start: 106 @26689 has 11 MA's), (Start: 154 @26632 has 5 MA's), (Start: 177 @26623 has 227 MA's), (Start: 189 @26605 has 3 MA's), (214, 26548), (223, 26530), (239, 26500), (Start: 241 @26488 has 1 MA's), (316, 26362), (328, 26341), (344, 26311), (355, 26272), (366, 26233), (396, 26143), (421, 26083), (439, 26029), (523, 25891), (606, 25723), (647, 25660), (693, 25570), (711, 25534), (721, 25507), (742, 25453), (745, 25444), (849, 25234), (859, 25216), (875, 25204), (880, 25195),

Gene: RoseMarie_140 Start: 73018, Stop: 71558, Start Num: 133
Candidate Starts for RoseMarie_140:
(128, 73027), (Start: 133 @73018 has 21 MA's), (190, 72946), (203, 72928), (Start: 259 @72823 has 1 MA's), (277, 72799), (313, 72727), (355, 72610), (373, 72547), (407, 72463), (412, 72451), (430, 72409), (435, 72391), (474, 72328), (527, 72229), (530, 72223), (539, 72208), (559, 72157), (574, 72130), (587, 72103), (627, 72046), (641, 72022), (698, 71917), (701, 71911), (738, 71833), (774, 71755), (794, 71710), (820, 71653),

Gene: Rowa_59 Start: 38872, Stop: 40587, Start Num: 139
Candidate Starts for Rowa_59:
(121, 38845), (Start: 139 @38872 has 1 MA's), (182, 38932), (187, 38941), (202, 38983), (208, 38995), (219, 39022), (242, 39094), (252, 39109), (287, 39178), (298, 39196), (313, 39229), (339, 39283), (346, 39301), (355, 39328), (470, 39637), (501, 39694), (513, 39721), (516, 39724), (553, 39823), (603, 39943), (638, 40006), (669, 40063), (687, 40108), (712, 40159), (715, 40165), (796, 40357), (831, 40438), (847, 40465), (906, 40576),

Gene: Rowdy_38 Start: 26956, Stop: 25430, Start Num: 177
Candidate Starts for Rowdy_38:
(Start: 152 @26971 has 3 MA's), (Start: 177 @26956 has 227 MA's), (Start: 241 @26821 has 1 MA's), (410, 26440), (423, 26413), (426, 26401), (542, 26161), (558, 26134), (591, 26062), (608, 26023), (632, 25984), (692, 25906), (711, 25867), (717, 25852), (739, 25795), (746, 25774), (793, 25687), (840, 25582), (852, 25561), (854, 25555), (899, 25486),

Gene: Rufus_39 Start: 29957, Stop: 31459, Start Num: 177
Candidate Starts for Rufus_39:
(Start: 103 @29876 has 30 MA's), (Start: 107 @29882 has 3 MA's), (Start: 117 @29888 has 12 MA's), (Start: 119 @29891 has 11 MA's), (Start: 126 @29906 has 4 MA's), (Start: 177 @29957 has 227 MA's), (Start: 295 @30176 has 1 MA's), (Start: 297 @30182 has 1 MA's), (305, 30203), (356, 30320), (Start: 360 @30332 has 1 MA's), (363, 30341), (365, 30350), (399, 30458), (410, 30479), (417, 30491), (425, 30515), (438, 30557), (516, 30686), (551, 30746), (574, 30803), (588, 30830), (602, 30857), (610, 30872), (689, 30980), (703, 31013), (734, 31079), (743, 31109), (793, 31214), (847, 31328), (906, 31427), (917, 31451),

Gene: Ruin_33 Start: 26633, Stop: 25119, Start Num: 171
Candidate Starts for Ruin_33:
(Start: 136 @26675 has 1 MA's), (Start: 162 @26642 has 16 MA's), (Start: 171 @26633 has 113 MA's), (250, 26471), (277, 26405), (286, 26387), (325, 26312), (335, 26288), (351, 26249), (353, 26246), (380, 26159), (421, 26045), (425, 26033), (513, 25850), (573, 25739), (595, 25688), (682, 25559), (687, 25550), (721, 25475), (724, 25469), (781, 25346), (796, 25307), (878, 25157), (886, 25142),

Gene: Rummer_36 Start: 27306, Stop: 25738, Start Num: 171
Candidate Starts for Rummer_36:
(67, 27456), (73, 27441), (Start: 142 @27342 has 24 MA's), (Start: 171 @27306 has 113 MA's), (294, 27051), (304, 27027), (331, 26967), (351, 26919), (353, 26916), (380, 26829), (386, 26817), (391, 26796), (397, 26772), (425, 26703), (450, 26634), (452, 26625), (513, 26520), (536, 26475), (595, 26343), (650, 26259), (685, 26202), (781, 25995), (842, 25854),

Gene: Ruotula_37 Start: 30065, Stop: 31648, Start Num: 103
Candidate Starts for Ruotula_37:
(Start: 103 @30065 has 30 MA's), (Start: 107 @30071 has 3 MA's), (Start: 117 @30077 has 12 MA's), (Start: 119 @30080 has 11 MA's), (Start: 126 @30095 has 4 MA's), (Start: 177 @30146 has 227 MA's), (230, 30254), (Start: 297 @30371 has 1 MA's), (305, 30392), (Start: 360 @30521 has 1 MA's), (363, 30530), (365, 30539), (399, 30647), (410, 30668), (417, 30680), (425, 30704), (438, 30746), (516, 30875), (551, 30935), (574, 30992), (602, 31046), (610, 31061), (664, 31130), (689, 31169), (703, 31202), (738, 31283), (743, 31298), (847, 31517), (906, 31616), (917, 31640),

Gene: Rusticus_50 Start: 34372, Stop: 35694, Start Num: 183
Candidate Starts for Rusticus_50:
(Start: 176 @34360 has 14 MA's), (Start: 183 @34372 has 17 MA's), (190, 34387), (229, 34474), (Start: 232 @34477 has 1 MA's), (246, 34501), (283, 34552), (303, 34594), (305, 34603), (313, 34615), (352, 34705), (355, 34714), (363, 34738), (402, 34858), (411, 34864), (460, 34954), (483, 34969), (488, 34978), (509, 35011), (557, 35122), (559, 35128), (578, 35176), (590, 35191), (596, 35206), (636, 35266), (643, 35275), (649, 35290), (695, 35368), (717, 35401), (734, 35431), (749, 35479), (789, 35557), (810, 35605), (816, 35614), (825, 35641), (846, 35680),

Gene: Rutherferd_39 Start: 30225, Stop: 31727, Start Num: 177
Candidate Starts for Rutherferd_39:
(Start: 103 @30144 has 30 MA's), (Start: 107 @30150 has 3 MA's), (Start: 117 @30156 has 12 MA's), (Start: 119 @30159 has 11 MA's), (Start: 126 @30174 has 4 MA's), (Start: 177 @30225 has 227 MA's), (190, 30249), (Start: 295 @30444 has 1 MA's), (Start: 297 @30450 has 1 MA's), (303, 30462), (305, 30471), (Start: 360 @30600 has 1 MA's), (363, 30609), (365, 30618), (399, 30726), (410, 30747), (417, 30759), (425, 30783), (438, 30825), (516, 30954), (551, 31014), (574, 31071), (588, 31098), (602, 31125), (610, 31140), (685, 31242), (689, 31248), (703, 31281), (738, 31362), (743, 31377), (847, 31596), (906, 31695), (917, 31719),

Gene: SFuller_50 Start: 35058, Stop: 36737, Start Num: 23
Candidate Starts for SFuller_50:
(12, 34941), (13, 34944), (15, 34980), (Start: 23 @35058 has 1 MA's), (33, 35109), (44, 35139), (Start: 95 @35259 has 1 MA's), (112, 35283), (Start: 162 @35352 has 16 MA's), (190, 35397), (Start: 206 @35427 has 9 MA's), (Start: 221 @35457 has 6 MA's), (235, 35490), (243, 35508), (Start: 297 @35589 has 1 MA's), (346, 35691), (349, 35700), (356, 35724), (375, 35784), (423, 35916), (435, 35955), (488, 36039), (541, 36144), (569, 36204), (594, 36243), (623, 36270), (636, 36300), (640, 36306), (645, 36321), (654, 36333), (662, 36345), (714, 36450), (739, 36510), (744, 36525), (796, 36627), (804, 36639), (810, 36654), (814, 36663), (826, 36693),

Gene: STLscum_38 Start: 30309, Stop: 31877, Start Num: 119
Candidate Starts for STLscum_38:
(Start: 103 @30294 has 30 MA's), (Start: 107 @30300 has 3 MA's), (Start: 117 @30306 has 12 MA's), (Start: 119 @30309 has 11 MA's), (Start: 126 @30324 has 4 MA's), (Start: 177 @30375 has 227 MA's), (230, 30483), (Start: 295 @30594 has 1 MA's), (Start: 297 @30600 has 1 MA's), (305, 30621), (Start: 360 @30750 has 1 MA's), (363, 30759), (365, 30768), (399, 30876), (410, 30897), (417, 30909), (425, 30933), (438, 30975), (516, 31104), (551, 31164), (574, 31221), (588, 31248), (602, 31275),

(604, 31278), (610, 31290), (689, 31398), (703, 31431), (738, 31512), (743, 31527), (793, 31632), (847, 31746), (906, 31845), (917, 31869),

Gene: SV1_27 Start: 22294, Stop: 20651, Start Num: 205
Candidate Starts for SV1_27:
(Start: 178 @22366 has 1 MA's), (Start: 205 @22294 has 12 MA's), (291, 22081), (395, 21775), (421, 21682), (584, 21319), (624, 21241), (627, 21235), (654, 21181), (667, 21154), (669, 21151), (727, 21016), (785, 20884), (817, 20815), (873, 20701), (885, 20677),

Gene: Sabertooth_33 Start: 26636, Stop: 25122, Start Num: 171
Candidate Starts for Sabertooth_33:
(Start: 136 @26678 has 1 MA's), (Start: 162 @26645 has 16 MA's), (Start: 171 @26636 has 113 MA's), (250, 26474), (277, 26408), (286, 26390), (325, 26315), (335, 26291), (351, 26252), (353, 26249), (380, 26162), (421, 26048), (425, 26036), (513, 25853), (573, 25742), (595, 25691), (682, 25562), (687, 25553), (721, 25478), (724, 25472), (781, 25349), (796, 25310), (878, 25160), (886, 25145),

Gene: Sabourin_43 Start: 31408, Stop: 32847, Start Num: 172
Candidate Starts for Sabourin_43:
(Start: 172 @31408 has 26 MA's), (230, 31519), (235, 31528), (282, 31591), (Start: 295 @31615 has 1 MA's), (298, 31624), (356, 31774), (358, 31783), (408, 31939), (410, 31945), (423, 31972), (444, 32032), (559, 32206), (565, 32221), (629, 32329), (725, 32512), (861, 32776), (867, 32791), (870, 32794),

Gene: Saftant_50 Start: 36790, Stop: 38202, Start Num: 173
Candidate Starts for Saftant_50:
(Start: 119 @36718 has 11 MA's), (122, 36727), (128, 36736), (135, 36748), (Start: 173 @36790 has 2 MA's), (190, 36820), (283, 36985), (303, 37027), (305, 37036), (313, 37048), (352, 37138), (355, 37147), (356, 37150), (363, 37171), (435, 37360), (488, 37480), (557, 37624), (559, 37630), (578, 37678), (644, 37780), (667, 37822), (673, 37834), (728, 37930), (734, 37933), (770, 38017), (775, 38026), (789, 38059), (810, 38107), (821, 38131), (829, 38152), (842, 38176), (850, 38191),

Gene: Sagefire_39 Start: 30397, Stop: 31899, Start Num: 177
Candidate Starts for Sagefire_39:
(Start: 103 @30316 has 30 MA's), (Start: 107 @30322 has 3 MA's), (Start: 117 @30328 has 12 MA's), (Start: 119 @30331 has 11 MA's), (Start: 126 @30346 has 4 MA's), (Start: 177 @30397 has 227 MA's), (Start: 183 @30406 has 17 MA's), (230, 30505), (235, 30514), (Start: 297 @30622 has 1 MA's), (305, 30643), (Start: 360 @30772 has 1 MA's), (363, 30781), (365, 30790), (399, 30898), (410, 30919), (417, 30931), (425, 30955), (438, 30997), (516, 31126), (551, 31186), (574, 31243), (588, 31270), (602, 31297), (604, 31300), (610, 31312), (685, 31414), (689, 31420), (738, 31534), (743, 31549), (793, 31654), (847, 31768), (906, 31867), (917, 31891),

Gene: Samba_38 Start: 31981, Stop: 33372, Start Num: 179
Candidate Starts for Samba_38:
(76, 31840), (92, 31867), (Start: 149 @31951 has 5 MA's), (Start: 172 @31972 has 26 MA's), (Start: 179 @31981 has 38 MA's), (Start: 206 @32038 has 9 MA's), (235, 32101), (Start: 295 @32194 has 1 MA's), (332, 32278), (334, 32281), (366, 32371), (368, 32377), (378, 32404), (395, 32458), (438, 32575), (481, 32653), (540, 32770), (543, 32779), (568, 32830), (578, 32857), (594, 32872), (641, 32938), (643, 32941), (654, 32962), (662, 32974), (663, 32977), (702, 33055), (729, 33112), (758, 33181), (764, 33190), (776, 33208), (800, 33259), (833, 33334),

Gene: Samora_58 Start: 39277, Stop: 40836, Start Num: 191
Candidate Starts for Samora_58:

(Start: 124 @39181 has 1 MA's), (Start: 157 @39226 has 10 MA's), (Start: 165 @39235 has 1 MA's), (Start: 179 @39247 has 38 MA's), (Start: 191 @39277 has 3 MA's), (279, 39463), (281, 39466), (298, 39499), (303, 39508), (321, 39547), (325, 39553), (340, 39583), (353, 39613), (356, 39625), (357, 39628), (372, 39682), (373, 39685), (381, 39703), (385, 39712), (406, 39781), (524, 40039), (529, 40051), (550, 40096), (568, 40141), (574, 40156), (597, 40213), (602, 40219), (624, 40249), (653, 40294), (716, 40408), (717, 40414), (746, 40492), (839, 40681), (840, 40684), (883, 40759), (890, 40771),

Gene: Samy_94 Start: 56925, Stop: 58457, Start Num: 140
Candidate Starts for Samy_94:
(Start: 94 @56856 has 1 MA's), (Start: 109 @56877 has 1 MA's), (Start: 140 @56925 has 2 MA's), (210, 57030), (214, 57042), (301, 57189), (328, 57246), (350, 57324), (363, 57369), (408, 57507), (411, 57516), (449, 57621), (499, 57654), (508, 57669), (518, 57690), (536, 57720), (574, 57789), (601, 57849), (632, 57912), (677, 57996), (682, 58011), (717, 58083), (735, 58122), (738, 58131), (746, 58155), (808, 58263), (810, 58266), (819, 58284), (909, 58434),

Gene: Sandaddy_37 Start: 29421, Stop: 30989, Start Num: 119
Candidate Starts for Sandaddy_37:
(Start: 103 @29406 has 30 MA's), (Start: 107 @29412 has 3 MA's), (Start: 117 @29418 has 12 MA's), (Start: 119 @29421 has 11 MA's), (Start: 126 @29436 has 4 MA's), (Start: 177 @29487 has 227 MA's), (Start: 295 @29706 has 1 MA's), (Start: 297 @29712 has 1 MA's), (305, 29733), (Start: 360 @29862 has 1 MA's), (363, 29871), (365, 29880), (399, 29988), (417, 30021), (425, 30045), (438, 30087), (516, 30216), (551, 30276), (574, 30333), (588, 30360), (602, 30387), (604, 30390), (610, 30402), (664, 30471), (689, 30510), (703, 30543), (738, 30624), (743, 30639), (793, 30744), (847, 30858), (906, 30957), (917, 30981),

Gene: Sanya_37 Start: 30102, Stop: 31670, Start Num: 119
Candidate Starts for Sanya_37:
(Start: 103 @30087 has 30 MA's), (Start: 107 @30093 has 3 MA's), (Start: 117 @30099 has 12 MA's), (Start: 119 @30102 has 11 MA's), (Start: 126 @30117 has 4 MA's), (Start: 177 @30168 has 227 MA's), (Start: 183 @30177 has 17 MA's), (Start: 186 @30183 has 10 MA's), (190, 30192), (Start: 295 @30387 has 1 MA's), (Start: 297 @30393 has 1 MA's), (Start: 360 @30543 has 1 MA's), (363, 30552), (365, 30561), (399, 30669), (410, 30690), (417, 30702), (425, 30726), (438, 30768), (516, 30897), (551, 30957), (574, 31014), (602, 31068), (610, 31083), (689, 31191), (703, 31224), (738, 31305), (743, 31320), (793, 31425), (847, 31539), (906, 31638), (917, 31662),

Gene: SarFire_37 Start: 29648, Stop: 31210, Start Num: 126
Candidate Starts for SarFire_37:
(Start: 103 @29618 has 30 MA's), (Start: 107 @29624 has 3 MA's), (Start: 117 @29630 has 12 MA's), (Start: 119 @29633 has 11 MA's), (Start: 126 @29648 has 4 MA's), (Start: 177 @29699 has 227 MA's), (Start: 295 @29918 has 1 MA's), (Start: 297 @29924 has 1 MA's), (303, 29936), (305, 29945), (Start: 360 @30074 has 1 MA's), (363, 30083), (365, 30092), (399, 30200), (410, 30221), (417, 30233), (425, 30257), (438, 30299), (516, 30428), (551, 30488), (574, 30545), (588, 30572), (602, 30599), (604, 30602), (610, 30614), (685, 30713), (703, 30752), (738, 30833), (743, 30848), (847, 31067),

Gene: SarahRose_50 Start: 36181, Stop: 37794, Start Num: 142
Candidate Starts for SarahRose_50:
(Start: 96 @36115 has 7 MA's), (Start: 134 @36172 has 6 MA's), (Start: 142 @36181 has 24 MA's), (218, 36328), (261, 36427), (269, 36445), (285, 36496), (319, 36577), (321, 36580), (353, 36652), (355, 36661), (356, 36664), (395, 36790), (406, 36817), (434, 36886), (450, 36931), (502, 37000), (521, 37027), (552, 37075), (571, 37123), (591, 37162), (602, 37189), (624, 37219), (703, 37342), (731, 37402), (746, 37447), (808, 37576), (830, 37627), (834, 37636), (854, 37675), (868, 37699), (877, 37714), (885, 37729), (895, 37744),

Gene: Scamp_33 Start: 26639, Stop: 25125, Start Num: 171
Candidate Starts for Scamp_33:
(Start: 136 @26681 has 1 MA's), (Start: 162 @26648 has 16 MA's), (Start: 171 @26639 has 113 MA's), (250, 26477), (277, 26411), (286, 26393), (325, 26318), (335, 26294), (351, 26255), (353, 26252), (380, 26165), (421, 26051), (425, 26039), (430, 26027), (513, 25856), (573, 25745), (595, 25694), (682, 25565), (687, 25556), (721, 25481), (724, 25475), (781, 25352), (796, 25313), (878, 25163), (886, 25148),

Gene: Schaffner_49 Start: 35742, Stop: 37160, Start Num: 170
Candidate Starts for Schaffner_49:
(Start: 152 @35724 has 3 MA's), (Start: 165 @35739 has 1 MA's), (Start: 170 @35742 has 33 MA's), (Start: 177 @35751 has 227 MA's), (Start: 297 @35973 has 1 MA's), (351, 36084), (356, 36096), (358, 36105), (392, 36207), (403, 36246), (425, 36297), (682, 36741), (711, 36798), (718, 36816), (723, 36828), (810, 37002),

Gene: Schlegelian_31 Start: 23332, Stop: 21713, Start Num: 212
Candidate Starts for Schlegelian_31:
(Start: 212 @23332 has 5 MA's), (291, 23128), (Start: 297 @23110 has 1 MA's), (367, 22906), (422, 22723), (439, 22672), (476, 22606), (482, 22597), (552, 22456), (561, 22432), (584, 22378), (615, 22312), (667, 22207), (681, 22171), (725, 22084), (744, 22030), (792, 21928), (823, 21859), (833, 21835), (839, 21823), (882, 21772),

Gene: Scorpia_32 Start: 25388, Stop: 23907, Start Num: 177
Candidate Starts for Scorpia_32:
(Start: 134 @25415 has 6 MA's), (Start: 177 @25388 has 227 MA's), (Start: 193 @25352 has 3 MA's), (Start: 241 @25253 has 1 MA's), (Start: 297 @25169 has 1 MA's), (316, 25127), (329, 25103), (344, 25076), (355, 25037), (363, 25013), (410, 24869), (562, 24575), (570, 24557), (583, 24530), (595, 24500), (610, 24476), (624, 24461), (670, 24401), (693, 24350), (698, 24341), (721, 24287), (735, 24254), (763, 24188), (859, 23996), (913, 23918),

Gene: Scowl_37 Start: 29862, Stop: 31430, Start Num: 117
Candidate Starts for Scowl_37:
(Start: 103 @29850 has 30 MA's), (Start: 107 @29856 has 3 MA's), (Start: 117 @29862 has 12 MA's), (Start: 119 @29865 has 11 MA's), (Start: 126 @29880 has 4 MA's), (Start: 177 @29931 has 227 MA's), (Start: 295 @30150 has 1 MA's), (Start: 297 @30156 has 1 MA's), (305, 30177), (Start: 360 @30306 has 1 MA's), (363, 30315), (365, 30324), (399, 30432), (410, 30453), (417, 30465), (425, 30489), (438, 30531), (516, 30660), (551, 30720), (574, 30777), (602, 30831), (604, 30834), (610, 30846), (703, 30984), (738, 31065), (743, 31080), (793, 31185), (847, 31299), (852, 31311), (906, 31398), (917, 31422),

Gene: Seabiscuit_39 Start: 29433, Stop: 30935, Start Num: 177
Candidate Starts for Seabiscuit_39:
(Start: 103 @29352 has 30 MA's), (Start: 107 @29358 has 3 MA's), (Start: 117 @29364 has 12 MA's), (Start: 119 @29367 has 11 MA's), (Start: 126 @29382 has 4 MA's), (Start: 177 @29433 has 227 MA's), (Start: 295 @29652 has 1 MA's), (Start: 297 @29658 has 1 MA's), (356, 29796), (Start: 360 @29808 has 1 MA's), (363, 29817), (365, 29826), (366, 29832), (395, 29922), (399, 29934), (417, 29967), (503, 30135), (516, 30162), (551, 30222), (574, 30279), (588, 30306), (602, 30333), (610, 30348), (664, 30417), (689, 30456), (703, 30489), (734, 30555), (743, 30585), (774, 30648), (793, 30690), (801, 30705), (847, 30804), (906, 30903), (917, 30927),

Gene: Seanderson_38 Start: 30061, Stop: 31563, Start Num: 177
Candidate Starts for Seanderson_38:

(Start: 103 @29980 has 30 MA's), (Start: 107 @29986 has 3 MA's), (Start: 117 @29992 has 12 MA's), (Start: 119 @29995 has 11 MA's), (Start: 126 @30010 has 4 MA's), (Start: 177 @30061 has 227 MA's), (Start: 297 @30286 has 1 MA's), (305, 30307), (Start: 360 @30436 has 1 MA's), (363, 30445), (365, 30454), (399, 30562), (410, 30583), (417, 30595), (425, 30619), (516, 30790), (551, 30850), (574, 30907), (588, 30934), (602, 30961), (604, 30964), (610, 30976), (664, 31045), (685, 31078), (689, 31084), (703, 31117), (738, 31198), (743, 31213), (793, 31318), (847, 31432), (906, 31531), (917, 31555),

Gene: Sebastisaurus_51 Start: 38899, Stop: 40668, Start Num: 117
Candidate Starts for Sebastisaurus_51:
(99, 38875), (112, 38893), (Start: 117 @38899 has 12 MA's), (Start: 126 @38914 has 4 MA's), (Start: 154 @38953 has 5 MA's), (Start: 164 @38965 has 4 MA's), (242, 39142), (245, 39145), (262, 39175), (286, 39247), (292, 39262), (300, 39289), (302, 39292), (317, 39328), (359, 39454), (382, 39514), (388, 39526), (413, 39601), (435, 39688), (450, 39727), (509, 39838), (519, 39853), (520, 39859), (567, 39973), (578, 40000), (628, 40093), (657, 40135), (688, 40189), (709, 40234), (718, 40255), (748, 40336), (798, 40438), (803, 40450), (817, 40483), (830, 40519), (840, 40540), (848, 40552),

Gene: SenorClean_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for SenorClean_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Severus_32 Start: 23850, Stop: 25496, Start Num: 174
Candidate Starts for Severus_32:
(130, 23802), (Start: 158 @23841 has 3 MA's), (Start: 174 @23850 has 3 MA's), (Start: 183 @23868 has 17 MA's), (Start: 192 @23892 has 1 MA's), (230, 23967), (235, 23976), (Start: 241 @23994 has 1 MA's), (Start: 295 @24078 has 1 MA's), (296, 24081), (313, 24117), (355, 24219), (363, 24243), (365, 24252), (395, 24348), (410, 24384), (426, 24423), (430, 24432), (432, 24435), (497, 24552), (510, 24573), (516, 24588), (523, 24600), (550, 24648), (568, 24693), (602, 24765), (621, 24789), (689, 24909), (698, 24927), (699, 24930), (701, 24933), (755, 25068), (847, 25257), (902, 25350), (917, 25380), (919, 25404), (923, 25452), (924, 25470),

Gene: Shagrat_42 Start: 32662, Stop: 34170, Start Num: 109
Candidate Starts for Shagrat_42:
(27, 32476), (29, 32485), (46, 32533), (53, 32554), (60, 32575), (61, 32578), (68, 32593), (72, 32605), (74, 32608), (Start: 109 @32662 has 1 MA's), (Start: 179 @32755 has 38 MA's), (190, 32779), (Start: 206 @32812 has 9 MA's), (235, 32875), (321, 33028), (332, 33055), (391, 33220), (426, 33316), (430, 33325), (477, 33427), (483, 33439), (488, 33448), (492, 33454), (541, 33553), (652, 33754), (662, 33769), (667, 33781), (680, 33805), (691, 33829), (729, 33910), (758, 33979), (812, 34084), (826, 34120),

Gene: Shaka_33 Start: 26646, Stop: 25123, Start Num: 162
Candidate Starts for Shaka_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Shapes_38 Start: 26956, Stop: 25430, Start Num: 177
Candidate Starts for Shapes_38:

(Start: 152 @26971 has 3 MA's), (Start: 177 @26956 has 227 MA's), (Start: 241 @26821 has 1 MA's), (410, 26440), (423, 26413), (426, 26401), (542, 26161), (558, 26134), (591, 26062), (608, 26023), (632, 25984), (692, 25906), (711, 25867), (717, 25852), (739, 25795), (746, 25774), (793, 25687), (840, 25582), (852, 25561), (854, 25555), (899, 25486),

Gene: Shawty_54 Start: 37457, Stop: 39295, Start Num: 146
Candidate Starts for Shawty_54:
(Start: 114 @37409 has 1 MA's), (128, 37433), (Start: 146 @37457 has 3 MA's), (258, 37703), (262, 37709), (Start: 297 @37811 has 1 MA's), (309, 37844), (311, 37850), (317, 37865), (356, 37994), (357, 37997), (444, 38294), (500, 38399), (504, 38405), (554, 38531), (557, 38537), (583, 38600), (630, 38699), (657, 38735), (700, 38822), (728, 38888), (748, 38945), (776, 38993), (784, 39014), (787, 39023), (801, 39047), (807, 39065), (854, 39170), (885, 39230),

Gene: SheaKeira_35 Start: 26656, Stop: 25103, Start Num: 177
Candidate Starts for SheaKeira_35:
(86, 26761), (90, 26755), (Start: 177 @26656 has 227 MA's), (220, 26575), (Start: 241 @26521 has 1 MA's), (340, 26350), (421, 26116), (430, 26092), (523, 25924), (558, 25858), (595, 25771), (602, 25762), (614, 25741), (647, 25681), (721, 25531), (763, 25432), (770, 25423), (849, 25258), (859, 25240), (896, 25192), (901, 25183),

Gene: Sheen_34 Start: 28925, Stop: 27417, Start Num: 177
Candidate Starts for Sheen_34:
(Start: 152 @28940 has 3 MA's), (Start: 177 @28925 has 227 MA's), (250, 28778), (338, 28625), (358, 28565), (395, 28448), (410, 28409), (421, 28385), (423, 28382), (426, 28370), (485, 28235), (550, 28124), (558, 28103), (566, 28082), (608, 27992), (631, 27956), (632, 27953), (684, 27887), (698, 27863), (711, 27836), (717, 27821), (721, 27809), (735, 27776), (746, 27743), (840, 27551), (852, 27530), (867, 27509), (899, 27455),

Gene: Shuman_29 Start: 23649, Stop: 22141, Start Num: 145
Candidate Starts for Shuman_29:
(Start: 145 @23649 has 32 MA's), (Start: 177 @23628 has 227 MA's), (Start: 181 @23622 has 3 MA's), (Start: 241 @23493 has 1 MA's), (277, 23445), (321, 23358), (363, 23253), (397, 23142), (423, 23082), (426, 23070), (449, 23007), (471, 22977), (495, 22944), (508, 22923), (523, 22893), (531, 22878), (536, 22872), (558, 22824), (571, 22791), (595, 22734), (624, 22695), (627, 22689), (718, 22539), (796, 22368), (913, 22152),

Gene: Shygu2_33 Start: 26631, Stop: 25117, Start Num: 171
Candidate Starts for Shygu2_33:
(Start: 136 @26673 has 1 MA's), (Start: 162 @26640 has 16 MA's), (Start: 171 @26631 has 113 MA's), (Start: 192 @26586 has 1 MA's), (250, 26469), (277, 26403), (286, 26385), (325, 26310), (335, 26286), (351, 26247), (353, 26244), (380, 26157), (421, 26043), (425, 26031), (513, 25848), (551, 25791), (573, 25737), (595, 25686), (682, 25557), (687, 25548), (721, 25473), (724, 25467), (777, 25353), (781, 25344), (796, 25305), (878, 25155), (886, 25140),

Gene: Sibs6_38 Start: 28591, Stop: 30105, Start Num: 177
Candidate Starts for Sibs6_38:
(Start: 103 @28510 has 30 MA's), (Start: 107 @28516 has 3 MA's), (Start: 117 @28522 has 12 MA's), (Start: 119 @28525 has 11 MA's), (Start: 126 @28540 has 4 MA's), (Start: 177 @28591 has 227 MA's), (Start: 186 @28606 has 10 MA's), (Start: 295 @28810 has 1 MA's), (Start: 297 @28816 has 1 MA's), (305, 28837), (Start: 360 @28966 has 1 MA's), (363, 28975), (365, 28984), (395, 29080), (399, 29092), (417, 29125), (430, 29161), (516, 29320), (551, 29380), (574, 29437), (602, 29491), (610, 29506), (689, 29614), (703, 29647), (706, 29650), (738, 29728), (743, 29743), (847, 29962),

Gene: Simpson_52 Start: 35322, Stop: 36740, Start Num: 170
Candidate Starts for Simpson_52:
(Start: 152 @35304 has 3 MA's), (Start: 165 @35319 has 1 MA's), (Start: 170 @35322 has 33 MA's), (Start: 177 @35331 has 227 MA's), (233, 35445), (Start: 241 @35469 has 1 MA's), (Start: 297 @35553 has 1 MA's), (351, 35664), (356, 35676), (358, 35685), (391, 35784), (425, 35877), (430, 35889), (438, 35916), (523, 36021), (559, 36075), (718, 36396), (723, 36408), (738, 36441), (808, 36579),

Gene: Skadoosh_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for Skadoosh_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Skelbel_49 Start: 35962, Stop: 37383, Start Num: 170
Candidate Starts for Skelbel_49:
(Start: 152 @35944 has 3 MA's), (Start: 165 @35959 has 1 MA's), (Start: 170 @35962 has 33 MA's), (Start: 177 @35971 has 227 MA's), (233, 36085), (Start: 241 @36109 has 1 MA's), (Start: 297 @36193 has 1 MA's), (312, 36226), (318, 36241), (351, 36304), (356, 36316), (358, 36325), (391, 36424), (403, 36466), (425, 36517), (438, 36556), (510, 36634), (523, 36661), (559, 36715), (711, 37021), (716, 37030), (718, 37039), (723, 37051), (808, 37222), (859, 37309),

Gene: SkiPole_40 Start: 29928, Stop: 31442, Start Num: 177
Candidate Starts for SkiPole_40:
(85, 29826), (Start: 95 @29838 has 1 MA's), (Start: 103 @29847 has 30 MA's), (Start: 107 @29853 has 3 MA's), (Start: 117 @29859 has 12 MA's), (Start: 119 @29862 has 11 MA's), (Start: 126 @29877 has 4 MA's), (Start: 177 @29928 has 227 MA's), (Start: 186 @29943 has 10 MA's), (190, 29952), (Start: 297 @30153 has 1 MA's), (303, 30165), (305, 30174), (Start: 360 @30303 has 1 MA's), (363, 30312), (365, 30321), (399, 30429), (410, 30450), (417, 30462), (425, 30486), (438, 30528), (516, 30657), (551, 30717), (574, 30774), (588, 30801), (602, 30828), (610, 30843), (664, 30912), (689, 30951), (703, 30984), (738, 31065), (743, 31080), (793, 31185), (847, 31299),

Gene: Skinny_137 Start: 71103, Stop: 69643, Start Num: 133
Candidate Starts for Skinny_137:
(Start: 106 @71145 has 11 MA's), (128, 71112), (Start: 133 @71103 has 21 MA's), (190, 71031), (233, 70950), (Start: 259 @70908 has 1 MA's), (277, 70884), (313, 70812), (355, 70695), (373, 70632), (407, 70548), (412, 70536), (430, 70494), (435, 70476), (527, 70314), (539, 70293), (559, 70242), (574, 70215), (587, 70188), (663, 70068), (738, 69918), (774, 69840), (794, 69795), (820, 69738),

Gene: Skipitt_33 Start: 26634, Stop: 25120, Start Num: 171
Candidate Starts for Skipitt_33:
(Start: 136 @26676 has 1 MA's), (Start: 162 @26643 has 16 MA's), (Start: 171 @26634 has 113 MA's), (250, 26472), (277, 26406), (286, 26388), (325, 26313), (335, 26289), (351, 26250), (353, 26247), (380, 26160), (421, 26046), (425, 26034), (513, 25851), (573, 25740), (595, 25689), (682, 25560), (687, 25551), (721, 25476), (724, 25470), (781, 25347), (796, 25308), (878, 25158), (886, 25143),

Gene: Slagathor_38 Start: 29511, Stop: 31013, Start Num: 177
Candidate Starts for Slagathor_38:
(Start: 103 @29430 has 30 MA's), (Start: 107 @29436 has 3 MA's), (Start: 117 @29442 has 12 MA's), (Start: 119 @29445 has 11 MA's), (Start: 126 @29460 has 4 MA's), (Start: 177 @29511 has 227 MA's), (Start: 186 @29526 has 10 MA's), (Start: 297 @29736 has 1 MA's), (303, 29748), (305, 29757),

(Start: 360 @29886 has 1 MA's), (363, 29895), (365, 29904), (399, 30012), (410, 30033), (417, 30045), (425, 30069), (438, 30111), (516, 30240), (551, 30300), (574, 30357), (588, 30384), (602, 30411), (604, 30414), (610, 30426), (664, 30495), (685, 30528), (689, 30534), (703, 30567), (738, 30648), (743, 30663), (793, 30768), (847, 30882), (906, 30981), (917, 31005),

Gene: SlimJimmy_130 Start: 69812, Stop: 68352, Start Num: 133
Candidate Starts for SlimJimmy_130:
(Start: 106 @69854 has 11 MA's), (128, 69821), (Start: 133 @69812 has 21 MA's), (190, 69740), (233, 69659), (Start: 259 @69617 has 1 MA's), (277, 69593), (313, 69521), (355, 69404), (373, 69341), (407, 69257), (412, 69245), (430, 69203), (435, 69185), (527, 69023), (539, 69002), (559, 68951), (574, 68924), (587, 68897), (663, 68777), (738, 68627), (774, 68549), (794, 68504), (820, 68447),

Gene: Smairt_38 Start: 29608, Stop: 31107, Start Num: 177
Candidate Starts for Smairt_38:
(Start: 93 @29518 has 2 MA's), (Start: 131 @29563 has 4 MA's), (Start: 177 @29608 has 227 MA's), (Start: 186 @29623 has 10 MA's), (190, 29632), (250, 29755), (Start: 295 @29827 has 1 MA's), (Start: 297 @29833 has 1 MA's), (305, 29854), (Start: 360 @29983 has 1 MA's), (363, 29992), (365, 30001), (399, 30109), (410, 30130), (417, 30142), (425, 30166), (438, 30208), (516, 30337), (551, 30397), (574, 30454), (588, 30481), (602, 30508), (604, 30511), (610, 30523), (685, 30622), (703, 30661), (706, 30664), (738, 30742), (743, 30757), (847, 30976), (906, 31075), (917, 31099),

Gene: Smeadley_30 Start: 25011, Stop: 23509, Start Num: 171
Candidate Starts for Smeadley_30:
(Start: 117 @25080 has 12 MA's), (Start: 136 @25053 has 1 MA's), (Start: 142 @25047 has 24 MA's), (Start: 171 @25011 has 113 MA's), (Start: 241 @24861 has 1 MA's), (294, 24756), (325, 24690), (331, 24672), (351, 24630), (353, 24627), (380, 24540), (391, 24507), (425, 24414), (461, 24321), (489, 24273), (513, 24231), (552, 24171), (595, 24069), (717, 23862), (759, 23757), (781, 23721), (796, 23682), (839, 23598), (871, 23550),

Gene: Smeagol_39 Start: 30836, Stop: 32335, Start Num: 177
Candidate Starts for Smeagol_39:
(Start: 177 @30836 has 227 MA's), (Start: 186 @30851 has 10 MA's), (230, 30944), (Start: 241 @30971 has 1 MA's), (250, 30983), (Start: 295 @31055 has 1 MA's), (Start: 297 @31061 has 1 MA's), (303, 31073), (305, 31082), (323, 31115), (338, 31145), (340, 31148), (Start: 360 @31211 has 1 MA's), (365, 31229), (395, 31325), (399, 31337), (417, 31370), (425, 31394), (444, 31448), (449, 31463), (471, 31493), (516, 31565), (551, 31625), (568, 31667), (574, 31682), (588, 31709), (594, 31724), (595, 31727), (602, 31736), (610, 31751), (685, 31850), (703, 31889), (721, 31928), (724, 31934), (738, 31970), (743, 31985), (748, 32000), (793, 32090), (847, 32204), (849, 32210), (906, 32303), (917, 32327),

Gene: Snazzy_36 Start: 29422, Stop: 30936, Start Num: 177
Candidate Starts for Snazzy_36:
(Start: 103 @29341 has 30 MA's), (Start: 107 @29347 has 3 MA's), (Start: 117 @29353 has 12 MA's), (Start: 119 @29356 has 11 MA's), (Start: 126 @29371 has 4 MA's), (Start: 177 @29422 has 227 MA's), (Start: 186 @29437 has 10 MA's), (Start: 295 @29641 has 1 MA's), (Start: 297 @29647 has 1 MA's), (356, 29785), (Start: 360 @29797 has 1 MA's), (363, 29806), (365, 29815), (395, 29911), (399, 29923), (417, 29956), (430, 29992), (516, 30151), (551, 30211), (574, 30268), (588, 30295), (602, 30322), (610, 30337), (685, 30439), (689, 30445), (703, 30478), (706, 30481), (721, 30517), (738, 30559), (743, 30574), (793, 30679), (847, 30793),

Gene: Snek_51 Start: 34577, Stop: 36082, Start Num: 126
Candidate Starts for Snek_51:

(Start: 126 @34577 has 4 MA's), (Start: 154 @34616 has 5 MA's), (Start: 172 @34634 has 26 MA's), (282, 34820), (365, 35021), (392, 35102), (523, 35387), (607, 35516), (699, 35681), (777, 35843), (863, 36014), (866, 36020),

Gene: Snorlax_50 Start: 36206, Stop: 37819, Start Num: 142
Candidate Starts for Snorlax_50:
(Start: 96 @36140 has 7 MA's), (Start: 134 @36197 has 6 MA's), (Start: 142 @36206 has 24 MA's), (218, 36353), (261, 36452), (269, 36470), (285, 36521), (319, 36602), (321, 36605), (353, 36677), (355, 36686), (356, 36689), (395, 36815), (406, 36842), (434, 36911), (450, 36956), (502, 37025), (521, 37052), (552, 37100), (571, 37148), (591, 37187), (602, 37214), (624, 37244), (699, 37355), (703, 37367), (731, 37427), (746, 37472), (793, 37562), (808, 37601), (830, 37652), (834, 37661), (854, 37700), (868, 37724), (877, 37739), (885, 37754), (895, 37769),

Gene: SoJo_29 Start: 24703, Stop: 23048, Start Num: 205
Candidate Starts for SoJo_29:
(Start: 205 @24703 has 12 MA's), (291, 24484), (364, 24277), (386, 24217), (437, 24037), (514, 23893), (532, 23854), (534, 23851), (584, 23722), (627, 23638), (649, 23590), (654, 23584), (739, 23386), (744, 23371), (785, 23287), (817, 23218), (833, 23176), (848, 23149), (873, 23104), (885, 23080),

Gene: SoSeph_38 Start: 31463, Stop: 32869, Start Num: 179
Candidate Starts for SoSeph_38:
(Start: 172 @31454 has 26 MA's), (Start: 179 @31463 has 38 MA's), (235, 31583), (332, 31760), (346, 31784), (362, 31835), (375, 31877), (391, 31925), (397, 31946), (406, 31973), (410, 31982), (423, 32009), (430, 32030), (435, 32048), (446, 32075), (477, 32120), (492, 32126), (543, 32231), (575, 32297), (578, 32306), (591, 32327), (600, 32345), (662, 32453), (666, 32462), (667, 32465), (714, 32561), (719, 32573), (735, 32609), (769, 32681), (773, 32690), (796, 32741), (816, 32780), (821, 32792), (824, 32801), (843, 32831), (851, 32846),

Gene: Soilmate_42 Start: 33367, Stop: 34767, Start Num: 172
Candidate Starts for Soilmate_42:
(Start: 149 @33346 has 5 MA's), (Start: 172 @33367 has 26 MA's), (Start: 179 @33376 has 38 MA's), (235, 33496), (332, 33673), (366, 33766), (368, 33772), (378, 33799), (395, 33853), (438, 33970), (481, 34048), (530, 34147), (540, 34165), (543, 34174), (568, 34225), (578, 34252), (594, 34267), (641, 34333), (643, 34336), (654, 34357), (662, 34369), (663, 34372), (702, 34450), (729, 34507), (764, 34585), (776, 34603), (796, 34648), (800, 34654), (810, 34675), (833, 34729),

Gene: Solon_37 Start: 29718, Stop: 31220, Start Num: 177
Candidate Starts for Solon_37:
(Start: 103 @29637 has 30 MA's), (Start: 107 @29643 has 3 MA's), (Start: 117 @29649 has 12 MA's), (Start: 119 @29652 has 11 MA's), (Start: 126 @29667 has 4 MA's), (Start: 177 @29718 has 227 MA's), (230, 29826), (Start: 295 @29937 has 1 MA's), (Start: 297 @29943 has 1 MA's), (305, 29964), (Start: 360 @30093 has 1 MA's), (363, 30102), (365, 30111), (399, 30219), (410, 30240), (417, 30252), (425, 30276), (438, 30318), (516, 30447), (551, 30507), (574, 30564), (588, 30591), (602, 30618), (610, 30633), (664, 30702), (689, 30741), (703, 30774), (738, 30855), (743, 30870), (793, 30975), (847, 31089), (852, 31101), (906, 31188), (917, 31212),

Gene: Soondubu_46 Start: 37732, Stop: 39171, Start Num: 173
Candidate Starts for Soondubu_46:
(Start: 162 @37720 has 16 MA's), (Start: 173 @37732 has 2 MA's), (Start: 177 @37738 has 227 MA's), (185, 37756), (230, 37852), (277, 37924), (299, 37969), (303, 37975), (336, 38035), (358, 38095), (425, 38263), (512, 38422), (592, 38590), (644, 38644), (695, 38737), (714, 38776), (737, 38824), (794, 38947), (803, 38959), (805, 38965), (813, 38983), (876, 39103),

Gene: Sooty_43 Start: 31423, Stop: 32862, Start Num: 172
Candidate Starts for Sooty_43:
(Start: 172 @31423 has 26 MA's), (230, 31534), (235, 31543), (282, 31606), (Start: 295 @31630 has 1 MA's), (298, 31639), (356, 31789), (358, 31798), (408, 31954), (410, 31960), (423, 31987), (444, 32047), (559, 32221), (565, 32236), (629, 32344), (725, 32527), (861, 32791), (867, 32806), (870, 32809),

Gene: SororFago_38 Start: 28571, Stop: 26961, Start Num: 171
Candidate Starts for SororFago_38:
(64, 28712), (73, 28688), (97, 28649), (Start: 162 @28580 has 16 MA's), (Start: 171 @28571 has 113 MA's), (Start: 241 @28421 has 1 MA's), (294, 28316), (325, 28250), (328, 28244), (353, 28178), (355, 28169), (362, 28148), (421, 27977), (430, 27953), (436, 27932), (438, 27926), (450, 27896), (486, 27830), (489, 27824), (513, 27782), (536, 27764), (550, 27740), (573, 27683), (619, 27593), (699, 27479), (702, 27470), (721, 27428), (738, 27386), (753, 27347), (781, 27299), (810, 27230), (839, 27167), (850, 27146), (854, 27137), (871, 27113), (911, 27050), (920, 27011),

Gene: Sorpresa_37 Start: 29408, Stop: 30991, Start Num: 103
Candidate Starts for Sorpresa_37:
(Start: 103 @29408 has 30 MA's), (Start: 107 @29414 has 3 MA's), (Start: 117 @29420 has 12 MA's), (Start: 119 @29423 has 11 MA's), (Start: 126 @29438 has 4 MA's), (Start: 177 @29489 has 227 MA's), (Start: 295 @29708 has 1 MA's), (Start: 297 @29714 has 1 MA's), (305, 29735), (Start: 360 @29864 has 1 MA's), (363, 29873), (365, 29882), (399, 29990), (417, 30023), (425, 30047), (438, 30089), (516, 30218), (551, 30278), (574, 30335), (588, 30362), (602, 30389), (604, 30392), (610, 30404), (664, 30473), (689, 30512), (703, 30545), (738, 30626), (743, 30641), (793, 30746), (847, 30860), (906, 30959), (917, 30983),

Gene: Soshari_38 Start: 27305, Stop: 25737, Start Num: 171
Candidate Starts for Soshari_38:
(67, 27455), (73, 27440), (Start: 142 @27341 has 24 MA's), (Start: 171 @27305 has 113 MA's), (294, 27050), (304, 27026), (331, 26966), (351, 26918), (353, 26915), (380, 26828), (386, 26816), (391, 26795), (397, 26771), (425, 26702), (450, 26633), (452, 26624), (513, 26519), (536, 26474), (595, 26342), (650, 26258), (685, 26201), (781, 25994), (842, 25853),

Gene: South40_50 Start: 36352, Stop: 37929, Start Num: 142
Candidate Starts for South40_50:
(Start: 96 @36286 has 7 MA's), (Start: 134 @36343 has 6 MA's), (Start: 142 @36352 has 24 MA's), (218, 36472), (269, 36589), (285, 36640), (319, 36721), (321, 36724), (353, 36796), (355, 36805), (356, 36808), (406, 36961), (410, 36970), (430, 37018), (434, 37030), (442, 37054), (492, 37123), (494, 37126), (571, 37258), (602, 37324), (624, 37354), (693, 37453), (701, 37468), (703, 37477), (709, 37486), (719, 37510), (746, 37582), (834, 37771), (854, 37810), (864, 37825), (868, 37834), (877, 37849),

Gene: SpecialK_43 Start: 31407, Stop: 32846, Start Num: 172
Candidate Starts for SpecialK_43:
(Start: 172 @31407 has 26 MA's), (230, 31518), (235, 31527), (282, 31590), (Start: 295 @31614 has 1 MA's), (298, 31623), (356, 31773), (358, 31782), (408, 31938), (410, 31944), (423, 31971), (559, 32205), (629, 32328), (861, 32775), (867, 32790), (870, 32793),

Gene: Speedwell_55 Start: 37976, Stop: 39418, Start Num: 165
Candidate Starts for Speedwell_55:
(Start: 165 @37976 has 1 MA's), (Start: 206 @38051 has 9 MA's), (230, 38105), (277, 38186), (342, 38321), (358, 38372), (372, 38420), (379, 38435), (402, 38501), (404, 38504), (411, 38507), (441,

38582), (483, 38651), (506, 38687), (530, 38744), (533, 38750), (555, 38801), (582, 38867), (613, 38921), (644, 38972), (662, 39002), (693, 39062), (734, 39152), (782, 39260), (784, 39266), (831, 39383), (846, 39407),

Gene: Spike509_36 Start: 27306, Stop: 25738, Start Num: 171
Candidate Starts for Spike509_36:
(67, 27456), (73, 27441), (Start: 142 @27342 has 24 MA's), (Start: 171 @27306 has 113 MA's), (294, 27051), (304, 27027), (331, 26967), (351, 26919), (353, 26916), (380, 26829), (386, 26817), (391, 26796), (397, 26772), (425, 26703), (450, 26634), (452, 26625), (513, 26520), (536, 26475), (595, 26343), (650, 26259), (685, 26202), (781, 25995), (842, 25854),

Gene: SpikeBT_39 Start: 30421, Stop: 31968, Start Num: 131
Candidate Starts for SpikeBT_39:
(Start: 131 @30421 has 4 MA's), (Start: 177 @30466 has 227 MA's), (Start: 192 @30499 has 1 MA's), (Start: 295 @30685 has 1 MA's), (Start: 297 @30691 has 1 MA's), (305, 30712), (Start: 360 @30841 has 1 MA's), (363, 30850), (365, 30859), (399, 30967), (410, 30988), (417, 31000), (425, 31024), (438, 31066), (516, 31195), (551, 31255), (574, 31312), (588, 31339), (602, 31366), (604, 31369), (610, 31381), (664, 31450), (689, 31489), (703, 31522), (738, 31603), (743, 31618), (847, 31837), (852, 31849), (906, 31936), (917, 31960),

Gene: Spino_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for Spino_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Squee_38 Start: 30273, Stop: 31787, Start Num: 177
Candidate Starts for Squee_38:
(Start: 103 @30192 has 30 MA's), (Start: 107 @30198 has 3 MA's), (Start: 117 @30204 has 12 MA's), (Start: 119 @30207 has 11 MA's), (Start: 126 @30222 has 4 MA's), (Start: 177 @30273 has 227 MA's), (Start: 297 @30498 has 1 MA's), (305, 30519), (356, 30636), (Start: 360 @30648 has 1 MA's), (363, 30657), (365, 30666), (399, 30774), (410, 30795), (417, 30807), (425, 30831), (438, 30873), (516, 31002), (551, 31062), (574, 31119), (602, 31173), (610, 31188), (689, 31296), (703, 31329), (706, 31332), (738, 31410), (743, 31425), (745, 31431), (847, 31644), (852, 31656),

Gene: StCroix_29 Start: 23649, Stop: 22141, Start Num: 145
Candidate Starts for StCroix_29:
(Start: 145 @23649 has 32 MA's), (Start: 177 @23628 has 227 MA's), (Start: 181 @23622 has 3 MA's), (Start: 241 @23493 has 1 MA's), (277, 23445), (321, 23358), (363, 23253), (397, 23142), (423, 23082), (426, 23070), (449, 23007), (471, 22977), (495, 22944), (508, 22923), (523, 22893), (531, 22878), (536, 22872), (558, 22824), (571, 22791), (595, 22734), (624, 22695), (627, 22689), (718, 22539), (796, 22368), (913, 22152),

Gene: Stasia_34 Start: 27079, Stop: 25547, Start Num: 171
Candidate Starts for Stasia_34:
(Start: 116 @27148 has 1 MA's), (Start: 136 @27121 has 1 MA's), (Start: 162 @27088 has 16 MA's), (Start: 171 @27079 has 113 MA's), (250, 26917), (277, 26851), (286, 26833), (325, 26758), (351, 26695), (353, 26692), (393, 26563), (425, 26479), (450, 26410), (484, 26347), (489, 26338), (513, 26296), (551, 26239), (573, 26185), (595, 26134), (642, 26053), (646, 26041), (682, 25987), (687, 25978), (721, 25903), (724, 25897), (781, 25774), (796, 25735), (878, 25585),

Gene: SteMason_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for SteMason_33:
(Start: 136 @26679 has 1 MA's), (Start: 142 @26673 has 24 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Stephig9_30 Start: 24993, Stop: 23491, Start Num: 171
Candidate Starts for Stephig9_30:
(Start: 117 @25062 has 12 MA's), (Start: 136 @25035 has 1 MA's), (Start: 142 @25029 has 24 MA's), (Start: 171 @24993 has 113 MA's), (Start: 241 @24843 has 1 MA's), (294, 24738), (325, 24672), (331, 24654), (351, 24612), (353, 24609), (380, 24522), (425, 24396), (461, 24303), (489, 24255), (513, 24213), (552, 24153), (595, 24051), (717, 23844), (759, 23739), (781, 23703), (796, 23664), (839, 23580), (871, 23532),

Gene: Stink_34 Start: 27306, Stop: 25744, Start Num: 106
Candidate Starts for Stink_34:
(Start: 106 @27306 has 11 MA's), (Start: 154 @27249 has 5 MA's), (Start: 177 @27240 has 227 MA's), (Start: 189 @27222 has 3 MA's), (214, 27165), (239, 27117), (Start: 241 @27105 has 1 MA's), (316, 26979), (328, 26958), (329, 26955), (344, 26928), (355, 26889), (396, 26760), (421, 26700), (523, 26508), (602, 26346), (711, 26151), (721, 26124), (742, 26070), (745, 26061), (849, 25851), (859, 25833), (875, 25821), (880, 25812), (891, 25794),

Gene: StrongArm_36 Start: 30501, Stop: 32003, Start Num: 177
Candidate Starts for StrongArm_36:
(Start: 103 @30420 has 30 MA's), (Start: 107 @30426 has 3 MA's), (Start: 117 @30432 has 12 MA's), (Start: 119 @30435 has 11 MA's), (Start: 126 @30450 has 4 MA's), (Start: 177 @30501 has 227 MA's), (Start: 297 @30726 has 1 MA's), (356, 30864), (Start: 360 @30876 has 1 MA's), (363, 30885), (365, 30894), (399, 31002), (410, 31023), (417, 31035), (425, 31059), (438, 31101), (510, 31215), (516, 31230), (551, 31290), (574, 31347), (588, 31374), (602, 31401), (604, 31404), (610, 31416), (689, 31524), (703, 31557), (738, 31638), (743, 31653), (847, 31872), (906, 31971), (917, 31995),

Gene: Stuu_43 Start: 31520, Stop: 32959, Start Num: 172
Candidate Starts for Stuu_43:
(Start: 172 @31520 has 26 MA's), (230, 31631), (235, 31640), (282, 31703), (Start: 295 @31727 has 1 MA's), (298, 31736), (356, 31886), (358, 31895), (410, 32057), (423, 32084), (559, 32318), (565, 32333), (629, 32441), (765, 32711), (861, 32888), (867, 32903), (870, 32906),

Gene: SuMoo_64 Start: 40543, Stop: 42009, Start Num: 176
Candidate Starts for SuMoo_64:
(Start: 176 @40543 has 14 MA's), (277, 40735), (355, 40906), (358, 40918), (483, 41191), (488, 41200), (659, 41539), (719, 41653), (788, 41803), (849, 41917),

Gene: Subaru_48 Start: 35958, Stop: 37379, Start Num: 170
Candidate Starts for Subaru_48:
(Start: 152 @35940 has 3 MA's), (Start: 165 @35955 has 1 MA's), (Start: 170 @35958 has 33 MA's), (Start: 177 @35967 has 227 MA's), (233, 36081), (Start: 241 @36105 has 1 MA's), (Start: 297 @36189 has 1 MA's), (312, 36222), (318, 36237), (351, 36300), (356, 36312), (358, 36321), (391, 36420), (403, 36462), (425, 36513), (438, 36552), (510, 36630), (523, 36657), (711, 37017), (716, 37026), (718, 37035), (723, 37047), (808, 37218), (859, 37305),

Gene: Sudan_51 Start: 36704, Stop: 38122, Start Num: 172

Candidate Starts for Sudan_51:
(148, 36680), (Start: 172 @36704 has 26 MA's), (190, 36734), (Start: 226 @36815 has 1 MA's), (283, 36899), (290, 36917), (303, 36941), (305, 36950), (313, 36962), (326, 36989), (342, 37022), (355, 37061), (356, 37064), (363, 37085), (411, 37211), (435, 37274), (492, 37400), (517, 37445), (557, 37538), (596, 37622), (634, 37679), (643, 37691), (649, 37706), (698, 37790), (707, 37811), (734, 37847), (744, 37880), (784, 37958), (810, 38021), (819, 38039), (833, 38075),

Gene: Sujidade_50 Start: 35406, Stop: 36983, Start Num: 142
Candidate Starts for Sujidade_50:
(Start: 96 @35340 has 7 MA's), (Start: 142 @35406 has 24 MA's), (218, 35526), (261, 35625), (269, 35643), (285, 35694), (319, 35775), (321, 35778), (353, 35850), (355, 35859), (356, 35862), (406, 36015), (430, 36072), (432, 36075), (434, 36084), (571, 36312), (602, 36378), (624, 36408), (693, 36507), (703, 36531), (709, 36540), (719, 36564), (746, 36636), (834, 36825), (854, 36864), (868, 36888), (877, 36903), (885, 36918),

Gene: Sultana_33 Start: 26638, Stop: 25124, Start Num: 171
Candidate Starts for Sultana_33:
(Start: 136 @26680 has 1 MA's), (Start: 162 @26647 has 16 MA's), (Start: 171 @26638 has 113 MA's), (250, 26476), (277, 26410), (286, 26392), (325, 26317), (335, 26293), (351, 26254), (353, 26251), (380, 26164), (421, 26050), (425, 26038), (513, 25855), (573, 25744), (595, 25693), (682, 25564), (687, 25555), (721, 25480), (724, 25474), (781, 25351), (796, 25312), (878, 25162), (886, 25147),

Gene: Sumter_36 Start: 29449, Stop: 30951, Start Num: 177
Candidate Starts for Sumter_36:
(Start: 103 @29368 has 30 MA's), (Start: 107 @29374 has 3 MA's), (Start: 117 @29380 has 12 MA's), (Start: 119 @29383 has 11 MA's), (Start: 126 @29398 has 4 MA's), (Start: 177 @29449 has 227 MA's), (Start: 295 @29668 has 1 MA's), (Start: 297 @29674 has 1 MA's), (Start: 360 @29824 has 1 MA's), (363, 29833), (365, 29842), (399, 29950), (410, 29971), (417, 29983), (425, 30007), (438, 30049), (516, 30178), (551, 30238), (574, 30295), (588, 30322), (602, 30349), (604, 30352), (610, 30364), (689, 30472), (703, 30505), (738, 30586), (743, 30601), (793, 30706), (847, 30820), (906, 30919), (917, 30943),

Gene: SunkenRoot_51 Start: 37385, Stop: 38797, Start Num: 172
Candidate Starts for SunkenRoot_51:
(Start: 172 @37385 has 26 MA's), (190, 37415), (Start: 232 @37505 has 1 MA's), (277, 37571), (283, 37580), (290, 37598), (296, 37607), (303, 37622), (305, 37631), (313, 37643), (326, 37670), (338, 37694), (342, 37703), (355, 37742), (356, 37745), (363, 37766), (411, 37892), (412, 37895), (435, 37955), (483, 38066), (492, 38081), (517, 38126), (557, 38219), (578, 38273), (590, 38288), (596, 38303), (643, 38372), (649, 38387), (685, 38450), (734, 38528), (744, 38561), (749, 38576), (810, 38702), (819, 38720), (833, 38756), (846, 38777),

Gene: SunsetPointe_48 Start: 34190, Stop: 35512, Start Num: 183
Candidate Starts for SunsetPointe_48:
(Start: 176 @34178 has 14 MA's), (Start: 183 @34190 has 17 MA's), (190, 34205), (229, 34292), (Start: 232 @34295 has 1 MA's), (246, 34319), (277, 34361), (283, 34370), (303, 34412), (305, 34421), (313, 34433), (352, 34523), (355, 34532), (363, 34556), (402, 34676), (411, 34682), (460, 34772), (483, 34787), (488, 34796), (509, 34829), (557, 34940), (559, 34946), (578, 34994), (590, 35009), (596, 35024), (636, 35084), (643, 35093), (649, 35108), (696, 35189), (717, 35219), (734, 35249), (749, 35297), (789, 35375), (810, 35423), (816, 35432), (825, 35459), (846, 35498),

Gene: Sunshine924_39 Start: 29417, Stop: 30931, Start Num: 177
Candidate Starts for Sunshine924_39:

(Start: 131 @29372 has 4 MA's), (Start: 177 @29417 has 227 MA's), (Start: 186 @29432 has 10 MA's), (190, 29441), (235, 29534), (Start: 295 @29636 has 1 MA's), (Start: 297 @29642 has 1 MA's), (305, 29663), (321, 29693), (356, 29780), (Start: 360 @29792 has 1 MA's), (363, 29801), (365, 29810), (399, 29918), (410, 29939), (417, 29951), (425, 29975), (438, 30017), (516, 30146), (551, 30206), (574, 30263), (602, 30317), (604, 30320), (610, 30332), (685, 30434), (689, 30440), (703, 30473), (724, 30518), (738, 30554), (743, 30569), (847, 30788),

Gene: SuperHands_58 Start: 39474, Stop: 40961, Start Num: 176
Candidate Starts for SuperHands_58:
(61, 39306), (Start: 176 @39474 has 14 MA's), (Start: 206 @39537 has 9 MA's), (Start: 221 @39567 has 6 MA's), (277, 39666), (279, 39669), (Start: 297 @39705 has 1 MA's), (355, 39837), (358, 39849), (363, 39861), (402, 39978), (430, 40029), (439, 40059), (488, 40131), (547, 40248), (574, 40308), (578, 40320), (659, 40473), (693, 40533), (714, 40575), (719, 40587), (785, 40728), (799, 40758), (802, 40764), (819, 40806), (825, 40824), (902, 40956),

Gene: Swann_29 Start: 23636, Stop: 22140, Start Num: 145
Candidate Starts for Swann_29:
(Start: 145 @23636 has 32 MA's), (Start: 177 @23615 has 227 MA's), (Start: 181 @23609 has 3 MA's), (Start: 241 @23480 has 1 MA's), (277, 23432), (363, 23240), (397, 23129), (423, 23069), (426, 23057), (449, 22994), (471, 22964), (495, 22931), (508, 22910), (523, 22880), (531, 22865), (536, 22859), (558, 22811), (571, 22778), (595, 22721), (624, 22682), (627, 22676), (693, 22580), (709, 22547), (718, 22526), (721, 22517), (796, 22355),

Gene: Swirley_30 Start: 25753, Stop: 24260, Start Num: 177
Candidate Starts for Swirley_30:
(Start: 177 @25753 has 227 MA's), (Start: 192 @25720 has 1 MA's), (Start: 193 @25717 has 3 MA's), (Start: 206 @25699 has 9 MA's), (Start: 241 @25618 has 1 MA's), (326, 25474), (340, 25447), (356, 25399), (410, 25234), (421, 25210), (423, 25207), (430, 25186), (536, 24997), (602, 24856), (624, 24826), (717, 24649), (721, 24637), (754, 24553), (763, 24538), (777, 24523), (859, 24346), (887, 24316), (907, 24283),

Gene: SwissCheese_39 Start: 30120, Stop: 31622, Start Num: 177
Candidate Starts for SwissCheese_39:
(Start: 103 @30039 has 30 MA's), (Start: 107 @30045 has 3 MA's), (Start: 117 @30051 has 12 MA's), (Start: 119 @30054 has 11 MA's), (Start: 126 @30069 has 4 MA's), (Start: 177 @30120 has 227 MA's), (Start: 186 @30135 has 10 MA's), (190, 30144), (Start: 295 @30339 has 1 MA's), (Start: 297 @30345 has 1 MA's), (303, 30357), (305, 30366), (Start: 360 @30495 has 1 MA's), (363, 30504), (365, 30513), (399, 30621), (410, 30642), (417, 30654), (425, 30678), (516, 30849), (551, 30909), (574, 30966), (602, 31020), (604, 31023), (610, 31035), (689, 31143), (703, 31176), (721, 31215), (738, 31257), (743, 31272), (847, 31491), (906, 31590), (917, 31614),

Gene: Switzer_38 Start: 29527, Stop: 31029, Start Num: 177
Candidate Starts for Switzer_38:
(Start: 103 @29446 has 30 MA's), (Start: 107 @29452 has 3 MA's), (Start: 117 @29458 has 12 MA's), (Start: 119 @29461 has 11 MA's), (Start: 126 @29476 has 4 MA's), (Start: 177 @29527 has 227 MA's), (Start: 297 @29752 has 1 MA's), (Start: 360 @29902 has 1 MA's), (363, 29911), (365, 29920), (399, 30028), (410, 30049), (417, 30061), (425, 30085), (438, 30127), (516, 30256), (551, 30316), (574, 30373), (588, 30400), (602, 30427), (610, 30442), (689, 30550), (703, 30583), (738, 30664), (743, 30679), (793, 30784), (847, 30898), (906, 30997), (917, 31021),

Gene: Swole_39 Start: 29499, Stop: 31001, Start Num: 177
Candidate Starts for Swole_39:

(Start: 103 @29418 has 30 MA's), (Start: 107 @29424 has 3 MA's), (Start: 117 @29430 has 12 MA's), (Start: 119 @29433 has 11 MA's), (Start: 126 @29448 has 4 MA's), (Start: 177 @29499 has 227 MA's), (Start: 186 @29514 has 10 MA's), (Start: 295 @29718 has 1 MA's), (Start: 297 @29724 has 1 MA's), (305, 29745), (323, 29778), (Start: 360 @29874 has 1 MA's), (363, 29883), (365, 29892), (397, 29994), (399, 30000), (410, 30021), (417, 30033), (425, 30057), (438, 30099), (516, 30228), (551, 30288), (574, 30345), (588, 30372), (602, 30399), (604, 30402), (610, 30414), (685, 30516), (689, 30522), (703, 30555), (706, 30558), (738, 30636), (743, 30651), (748, 30666), (793, 30756), (847, 30870), (906, 30969), (917, 30993),

Gene: SydNat_30 Start: 26035, Stop: 24545, Start Num: 177
Candidate Starts for SydNat_30:
(Start: 177 @26035 has 227 MA's), (Start: 192 @26002 has 1 MA's), (Start: 193 @25999 has 3 MA's), (Start: 206 @25981 has 9 MA's), (Start: 241 @25900 has 1 MA's), (315, 25780), (326, 25756), (340, 25729), (356, 25681), (410, 25519), (421, 25495), (423, 25492), (430, 25471), (450, 25414), (536, 25282), (602, 25141), (624, 25111), (698, 24976), (717, 24934), (721, 24922), (754, 24838), (763, 24823), (777, 24808), (859, 24631), (887, 24601),

Gene: TG1_51 Start: 37133, Stop: 39013, Start Num: 131
Candidate Starts for TG1_51:
(Start: 131 @37133 has 4 MA's), (Start: 133 @37139 has 21 MA's), (Start: 146 @37154 has 3 MA's), (218, 37295), (245, 37376), (249, 37382), (258, 37400), (262, 37406), (286, 37478), (292, 37493), (Start: 297 @37508 has 1 MA's), (307, 37538), (309, 37541), (317, 37562), (337, 37610), (343, 37628), (356, 37691), (371, 37742), (418, 37913), (438, 37976), (462, 38036), (504, 38099), (554, 38228), (583, 38297), (630, 38396), (686, 38498), (709, 38546), (719, 38570), (728, 38591), (748, 38648), (776, 38696), (800, 38747), (848, 38858), (854, 38873), (885, 38933),

Gene: TWAMP_29 Start: 23636, Stop: 22140, Start Num: 145
Candidate Starts for TWAMP_29:
(Start: 145 @23636 has 32 MA's), (Start: 177 @23615 has 227 MA's), (Start: 181 @23609 has 3 MA's), (Start: 241 @23480 has 1 MA's), (277, 23432), (363, 23240), (397, 23129), (423, 23069), (426, 23057), (449, 22994), (471, 22964), (495, 22931), (508, 22910), (523, 22880), (531, 22865), (536, 22859), (558, 22811), (571, 22778), (595, 22721), (624, 22682), (627, 22676), (693, 22580), (709, 22547), (718, 22526), (721, 22517), (796, 22355),

Gene: TagePhighter_52 Start: 36182, Stop: 37795, Start Num: 142
Candidate Starts for TagePhighter_52:
(Start: 96 @36116 has 7 MA's), (Start: 134 @36173 has 6 MA's), (Start: 142 @36182 has 24 MA's), (218, 36329), (261, 36428), (269, 36446), (285, 36497), (319, 36578), (321, 36581), (353, 36653), (355, 36662), (356, 36665), (395, 36791), (406, 36818), (434, 36887), (450, 36932), (502, 37001), (521, 37028), (552, 37076), (571, 37124), (591, 37163), (602, 37190), (624, 37220), (703, 37343), (731, 37403), (746, 37448), (808, 37577), (830, 37628), (834, 37637), (854, 37676), (868, 37700), (877, 37715), (885, 37730), (895, 37745),

Gene: Tailonex_27 Start: 24965, Stop: 23526, Start Num: 177
Candidate Starts for Tailonex_27:
(Start: 177 @24965 has 227 MA's), (233, 24854), (286, 24767), (355, 24614), (516, 24260), (562, 24170), (595, 24098), (624, 24059), (637, 24038), (648, 24026), (651, 24023), (698, 23951), (699, 23948), (718, 23906), (810, 23711), (822, 23684), (840, 23645), (893, 23570), (913, 23534),

Gene: Takoda_29 Start: 23587, Stop: 22100, Start Num: 177
Candidate Starts for Takoda_29:
(Start: 145 @23608 has 32 MA's), (Start: 177 @23587 has 227 MA's), (Start: 181 @23581 has 3 MA's), (Start: 241 @23452 has 1 MA's), (277, 23404), (321, 23317), (363, 23212), (397, 23101), (423,

23041), (426, 23029), (471, 22936), (495, 22903), (508, 22882), (523, 22852), (531, 22837), (536, 22831), (558, 22783), (571, 22750), (595, 22693), (624, 22654), (627, 22648), (718, 22498), (784, 22357), (796, 22327), (856, 22201), (899, 22135),

Gene: Tallboi_49 Start: 36309, Stop: 37727, Start Num: 170
Candidate Starts for Tallboi_49:
(Start: 152 @36291 has 3 MA's), (Start: 165 @36306 has 1 MA's), (Start: 170 @36309 has 33 MA's), (Start: 177 @36318 has 227 MA's), (233, 36432), (Start: 297 @36540 has 1 MA's), (312, 36573), (318, 36588), (351, 36651), (356, 36663), (358, 36672), (387, 36750), (391, 36771), (403, 36813), (423, 36855), (425, 36864), (438, 36903), (510, 36981), (568, 37083), (711, 37365), (718, 37383), (723, 37395), (808, 37566),

Gene: Taquarus_33 Start: 26640, Stop: 25126, Start Num: 171
Candidate Starts for Taquarus_33:
(Start: 136 @26682 has 1 MA's), (Start: 162 @26649 has 16 MA's), (Start: 171 @26640 has 113 MA's), (250, 26478), (277, 26412), (286, 26394), (325, 26319), (335, 26295), (351, 26256), (353, 26253), (380, 26166), (421, 26052), (425, 26040), (513, 25857), (573, 25746), (595, 25695), (682, 25566), (687, 25557), (721, 25482), (724, 25476), (781, 25353), (796, 25314), (878, 25164), (886, 25149),

Gene: Tarynearal_29 Start: 25775, Stop: 24282, Start Num: 177
Candidate Starts for Tarynearal_29:
(Start: 177 @25775 has 227 MA's), (Start: 192 @25742 has 1 MA's), (Start: 193 @25739 has 3 MA's), (Start: 206 @25721 has 9 MA's), (Start: 241 @25640 has 1 MA's), (326, 25496), (340, 25469), (356, 25421), (410, 25256), (421, 25232), (423, 25229), (430, 25208), (536, 25019), (602, 24878), (624, 24848), (717, 24671), (721, 24659), (754, 24575), (763, 24560), (777, 24545), (859, 24368), (887, 24338), (907, 24305),

Gene: Tasp14_38 Start: 29595, Stop: 31166, Start Num: 117
Candidate Starts for Tasp14_38:
(Start: 103 @29583 has 30 MA's), (Start: 107 @29589 has 3 MA's), (Start: 117 @29595 has 12 MA's), (Start: 119 @29598 has 11 MA's), (Start: 126 @29613 has 4 MA's), (Start: 177 @29664 has 227 MA's), (Start: 186 @29679 has 10 MA's), (190, 29688), (Start: 297 @29889 has 1 MA's), (Start: 360 @30039 has 1 MA's), (363, 30048), (365, 30057), (395, 30153), (399, 30165), (410, 30186), (417, 30198), (425, 30222), (438, 30264), (516, 30393), (551, 30453), (574, 30510), (602, 30564), (610, 30579), (689, 30687), (703, 30720), (738, 30801), (743, 30816), (793, 30921), (847, 31035), (906, 31134), (917, 31158),

Gene: Tbone_50 Start: 35812, Stop: 37287, Start Num: 164
Candidate Starts for Tbone_50:
(Start: 156 @35803 has 1 MA's), (Start: 164 @35812 has 4 MA's), (239, 35941), (345, 36133), (372, 36238), (392, 36298), (449, 36457), (523, 36586), (559, 36637), (634, 36778), (749, 37015),

Gene: Teodoridan_35 Start: 28860, Stop: 30437, Start Num: 119
Candidate Starts for Teodoridan_35:
(Start: 103 @28845 has 30 MA's), (Start: 107 @28851 has 3 MA's), (Start: 117 @28857 has 12 MA's), (Start: 119 @28860 has 11 MA's), (Start: 126 @28875 has 4 MA's), (Start: 177 @28926 has 227 MA's), (Start: 295 @29145 has 1 MA's), (Start: 297 @29151 has 1 MA's), (305, 29172), (Start: 360 @29301 has 1 MA's), (363, 29310), (365, 29319), (399, 29427), (410, 29448), (417, 29460), (425, 29484), (438, 29526), (516, 29655), (551, 29715), (574, 29772), (602, 29826), (610, 29841), (685, 29940), (738, 30060), (743, 30075), (793, 30180), (847, 30294),

Gene: Texage_33 Start: 27224, Stop: 25722, Start Num: 181

Candidate Starts for Texage_33:
(Start: 152 @27245 has 3 MA's), (Start: 177 @27230 has 227 MA's), (Start: 181 @27224 has 3 MA's), (Start: 183 @27221 has 17 MA's), (274, 27053), (277, 27047), (338, 26930), (358, 26870), (395, 26753), (410, 26714), (423, 26687), (426, 26675), (485, 26540), (566, 26387), (608, 26297), (632, 26258), (698, 26168), (717, 26126), (721, 26114), (739, 26069), (746, 26048), (852, 25835), (867, 25814),

Gene: TforTroy_50 Start: 35647, Stop: 37065, Start Num: 170
Candidate Starts for TforTroy_50:
(Start: 152 @35629 has 3 MA's), (Start: 165 @35644 has 1 MA's), (Start: 170 @35647 has 33 MA's), (Start: 177 @35656 has 227 MA's), (Start: 241 @35794 has 1 MA's), (Start: 297 @35878 has 1 MA's), (351, 35989), (356, 36001), (358, 36010), (387, 36088), (391, 36109), (403, 36151), (425, 36202), (438, 36241), (682, 36646), (711, 36703), (718, 36721), (723, 36733), (810, 36907),

Gene: Thanksgivukkah_33 Start: 26638, Stop: 25124, Start Num: 171
Candidate Starts for Thanksgivukkah_33:
(Start: 136 @26680 has 1 MA's), (Start: 162 @26647 has 16 MA's), (Start: 171 @26638 has 113 MA's), (250, 26476), (277, 26410), (286, 26392), (325, 26317), (335, 26293), (351, 26254), (353, 26251), (380, 26164), (421, 26050), (425, 26038), (513, 25855), (573, 25744), (595, 25693), (682, 25564), (687, 25555), (721, 25480), (724, 25474), (781, 25351), (796, 25312), (878, 25162), (886, 25147),

Gene: Theia_28 Start: 25799, Stop: 24306, Start Num: 177
Candidate Starts for Theia_28:
(Start: 177 @25799 has 227 MA's), (Start: 192 @25766 has 1 MA's), (Start: 193 @25763 has 3 MA's), (Start: 206 @25745 has 9 MA's), (Start: 241 @25664 has 1 MA's), (326, 25520), (340, 25493), (356, 25445), (410, 25280), (421, 25256), (423, 25253), (430, 25232), (536, 25043), (602, 24902), (624, 24872), (717, 24695), (721, 24683), (754, 24599), (763, 24584), (777, 24569), (859, 24392), (887, 24362), (907, 24329),

Gene: TheloniousMonk_39 Start: 31068, Stop: 32570, Start Num: 177
Candidate Starts for TheloniousMonk_39:
(Start: 103 @30987 has 30 MA's), (Start: 107 @30993 has 3 MA's), (Start: 117 @30999 has 12 MA's), (Start: 119 @31002 has 11 MA's), (Start: 126 @31017 has 4 MA's), (Start: 177 @31068 has 227 MA's), (Start: 186 @31083 has 10 MA's), (Start: 297 @31293 has 1 MA's), (Start: 360 @31443 has 1 MA's), (363, 31452), (365, 31461), (399, 31569), (410, 31590), (417, 31602), (425, 31626), (438, 31668), (516, 31797), (551, 31857), (574, 31914), (588, 31941), (602, 31968), (610, 31983), (664, 32052), (689, 32091), (703, 32124), (738, 32205), (743, 32220), (847, 32439), (906, 32538), (917, 32562),

Gene: Thestral_55 Start: 38547, Stop: 39968, Start Num: 157
Candidate Starts for Thestral_55:
(102, 38466), (108, 38475), (Start: 118 @38487 has 3 MA's), (Start: 149 @38538 has 5 MA's), (Start: 157 @38547 has 10 MA's), (Start: 297 @38784 has 1 MA's), (Start: 360 @38922 has 1 MA's), (402, 39051), (429, 39099), (483, 39210), (488, 39219), (506, 39246), (515, 39267), (517, 39270), (533, 39309), (541, 39324), (609, 39468), (644, 39525), (659, 39552), (720, 39669), (738, 39705), (760, 39759), (761, 39762), (781, 39795), (810, 39861), (838, 39918), (861, 39957),

Gene: Thor_37 Start: 28976, Stop: 30568, Start Num: 103
Candidate Starts for Thor_37:
(Start: 103 @28976 has 30 MA's), (Start: 107 @28982 has 3 MA's), (Start: 117 @28988 has 12 MA's), (Start: 119 @28991 has 11 MA's), (Start: 126 @29006 has 4 MA's), (Start: 177 @29057 has 227 MA's), (Start: 295 @29276 has 1 MA's), (Start: 297 @29282 has 1 MA's), (303, 29294), (305, 29303),

(Start: 360 @29432 has 1 MA's), (363, 29441), (365, 29450), (399, 29558), (410, 29579), (417, 29591), (425, 29615), (438, 29657), (516, 29786), (551, 29846), (574, 29903), (588, 29930), (602, 29957), (604, 29960), (610, 29972), (685, 30071), (703, 30110), (738, 30191), (743, 30206), (847, 30425),

Gene: ThursdayNight_53 Start: 36511, Stop: 37926, Start Num: 177
Candidate Starts for ThursdayNight_53:
(Start: 177 @36511 has 227 MA's), (188, 36526), (277, 36691), (358, 36862), (425, 37030), (488, 37144), (492, 37150), (507, 37174), (522, 37210), (569, 37309), (588, 37348), (592, 37357), (652, 37426), (737, 37591), (782, 37687), (805, 37732), (813, 37750),

Gene: Thyatira_40 Start: 33664, Stop: 35070, Start Num: 179
Candidate Starts for Thyatira_40:
(Start: 172 @33655 has 26 MA's), (Start: 179 @33664 has 38 MA's), (235, 33784), (332, 33961), (346, 33985), (362, 34036), (375, 34078), (391, 34126), (397, 34147), (406, 34174), (410, 34183), (423, 34210), (430, 34231), (435, 34249), (446, 34276), (477, 34321), (492, 34327), (543, 34432), (575, 34498), (578, 34507), (591, 34528), (600, 34546), (662, 34654), (666, 34663), (667, 34666), (714, 34762), (719, 34774), (735, 34810), (769, 34882), (773, 34891), (796, 34942), (816, 34981), (821, 34993), (824, 35002), (843, 35032), (851, 35047),

Gene: Tian_50 Start: 37772, Stop: 39232, Start Num: 172
Candidate Starts for Tian_50:
(Start: 158 @37763 has 3 MA's), (Start: 172 @37772 has 26 MA's), (282, 37958), (298, 37991), (355, 38129), (358, 38141), (391, 38240), (408, 38291), (444, 38384), (631, 38717), (749, 38960), (897, 39218),

Gene: Tiger_30 Start: 25677, Stop: 24184, Start Num: 177
Candidate Starts for Tiger_30:
(Start: 177 @25677 has 227 MA's), (Start: 192 @25644 has 1 MA's), (Start: 193 @25641 has 3 MA's), (Start: 206 @25623 has 9 MA's), (Start: 241 @25542 has 1 MA's), (326, 25398), (340, 25371), (356, 25323), (410, 25158), (421, 25134), (423, 25131), (430, 25110), (536, 24921), (624, 24750), (698, 24615), (717, 24573), (721, 24561), (754, 24477), (763, 24462), (777, 24447), (859, 24270), (887, 24240), (907, 24207),

Gene: Timshel_34 Start: 29292, Stop: 27832, Start Num: 177
Candidate Starts for Timshel_34:
(14, 29691), (26, 29562), (66, 29445), (127, 29340), (Start: 139 @29325 has 1 MA's), (Start: 177 @29292 has 227 MA's), (Start: 181 @29286 has 3 MA's), (Start: 189 @29274 has 3 MA's), (190, 29268), (240, 29163), (Start: 241 @29157 has 1 MA's), (268, 29121), (323, 29019), (340, 28986), (353, 28950), (363, 28917), (426, 28737), (510, 28587), (533, 28542), (602, 28398), (631, 28350), (698, 28269), (702, 28257), (706, 28251), (721, 28215), (742, 28161), (754, 28131), (913, 27843),

Gene: TinaBelcher_53 Start: 38486, Stop: 39916, Start Num: 149
Candidate Starts for TinaBelcher_53:
(102, 38414), (108, 38423), (Start: 118 @38435 has 3 MA's), (Start: 149 @38486 has 5 MA's), (Start: 157 @38495 has 10 MA's), (Start: 297 @38732 has 1 MA's), (Start: 360 @38870 has 1 MA's), (402, 38999), (429, 39047), (483, 39158), (488, 39167), (506, 39194), (515, 39215), (517, 39218), (533, 39257), (541, 39272), (609, 39416), (644, 39473), (659, 39500), (720, 39617), (738, 39653), (760, 39707), (761, 39710), (781, 39743), (810, 39809), (838, 39866), (861, 39905),

Gene: TingHuaYa_41 Start: 31113, Stop: 32525, Start Num: 171
Candidate Starts for TingHuaYa_41:
(Start: 163 @31104 has 1 MA's), (Start: 171 @31113 has 113 MA's), (Start: 183 @31134 has 17 MA's), (216, 31206), (243, 31263), (277, 31305), (279, 31308), (Start: 295 @31338 has 1 MA's), (Start:

297 @31344 has 1 MA's), (331, 31416), (373, 31539), (402, 31617), (421, 31644), (423, 31647), (438, 31695), (454, 31722), (483, 31764), (488, 31773), (506, 31800), (527, 31848), (546, 31884), (549, 31893), (556, 31911), (579, 31965), (585, 31977), (604, 32007), (636, 32067), (649, 32094), (654, 32100), (659, 32109), (662, 32112), (667, 32124), (677, 32142), (741, 32274), (746, 32289), (796, 32391), (819, 32436), (820, 32439), (844, 32490), (855, 32514), (860, 32520),

Gene: TinyDot_31 Start: 24778, Stop: 26145, Start Num: 179
Candidate Starts for TinyDot_31:
(Start: 179 @24778 has 38 MA's), (Start: 221 @24865 has 6 MA's), (332, 25075), (449, 25399), (578, 25633), (594, 25648), (790, 26017),

Gene: TinyPebbles_36 Start: 27311, Stop: 25743, Start Num: 171
Candidate Starts for TinyPebbles_36:
(67, 27461), (73, 27446), (Start: 142 @27347 has 24 MA's), (Start: 171 @27311 has 113 MA's), (294, 27056), (304, 27032), (331, 26972), (351, 26924), (353, 26921), (380, 26834), (386, 26822), (391, 26801), (397, 26777), (425, 26708), (450, 26639), (452, 26630), (513, 26525), (536, 26480), (595, 26348), (650, 26264), (685, 26207), (781, 26000), (842, 25859),

Gene: Tinybot_32 Start: 26607, Stop: 25129, Start Num: 189
Candidate Starts for Tinybot_32:
(70, 26739), (Start: 106 @26691 has 11 MA's), (Start: 154 @26634 has 5 MA's), (Start: 177 @26625 has 227 MA's), (Start: 189 @26607 has 3 MA's), (214, 26550), (223, 26532), (239, 26502), (Start: 241 @26490 has 1 MA's), (316, 26364), (328, 26343), (344, 26313), (355, 26274), (396, 26145), (421, 26085), (439, 26031), (523, 25893), (550, 25848), (647, 25662), (711, 25536), (721, 25509), (742, 25455), (745, 25446), (849, 25236), (859, 25218), (875, 25206), (880, 25197),

Gene: TiroTheta9_33 Start: 26634, Stop: 25120, Start Num: 171
Candidate Starts for TiroTheta9_33:
(Start: 136 @26676 has 1 MA's), (Start: 162 @26643 has 16 MA's), (Start: 171 @26634 has 113 MA's), (250, 26472), (277, 26406), (286, 26388), (325, 26313), (335, 26289), (351, 26250), (353, 26247), (380, 26160), (421, 26046), (425, 26034), (513, 25851), (573, 25740), (595, 25689), (682, 25560), (687, 25551), (721, 25476), (724, 25470), (781, 25347), (796, 25308), (878, 25158), (886, 25143),

Gene: Toast_37 Start: 30300, Stop: 31742, Start Num: 134
Candidate Starts for Toast_37:
(Start: 134 @30300 has 6 MA's), (Start: 136 @30303 has 1 MA's), (Start: 179 @30351 has 38 MA's), (190, 30375), (Start: 206 @30408 has 9 MA's), (235, 30471), (Start: 295 @30564 has 1 MA's), (332, 30648), (378, 30774), (395, 30828), (430, 30918), (438, 30945), (481, 31023), (515, 31086), (530, 31122), (543, 31149), (568, 31200), (578, 31227), (594, 31242), (654, 31332), (662, 31344), (663, 31347), (729, 31482), (776, 31578), (796, 31623), (800, 31629),

Gene: ToastyFinz_28 Start: 24644, Stop: 22878, Start Num: 205
Candidate Starts for ToastyFinz_28:
(195, 24662), (Start: 205 @24644 has 12 MA's), (273, 24473), (291, 24425), (358, 24236), (395, 24119), (425, 24014), (448, 23942), (482, 23885), (532, 23783), (548, 23738), (583, 23654), (598, 23624), (627, 23570), (667, 23489), (744, 23309), (761, 23270), (785, 23225), (798, 23198), (833, 23114), (840, 23099), (869, 23051), (874, 23045), (885, 23024),

Gene: Todacoro_34 Start: 27223, Stop: 25721, Start Num: 181
Candidate Starts for Todacoro_34:
(Start: 152 @27244 has 3 MA's), (Start: 177 @27229 has 227 MA's), (Start: 181 @27223 has 3 MA's), (Start: 183 @27220 has 17 MA's), (274, 27052), (277, 27046), (338, 26929), (358, 26869), (395,

26752), (410, 26713), (423, 26686), (426, 26674), (485, 26539), (566, 26386), (608, 26296), (632, 26257), (698, 26167), (717, 26125), (721, 26113), (739, 26068), (746, 26047), (852, 25834), (867, 25813),

Gene: Toma_50 Start: 35070, Stop: 36713, Start Num: 96
Candidate Starts for Toma_50:
(Start: 96 @35070 has 7 MA's), (Start: 142 @35136 has 24 MA's), (218, 35256), (261, 35355), (269, 35373), (285, 35424), (319, 35505), (321, 35508), (353, 35580), (355, 35589), (356, 35592), (430, 35802), (432, 35805), (434, 35814), (571, 36042), (602, 36108), (624, 36138), (693, 36237), (703, 36261), (709, 36270), (719, 36294), (746, 36366), (834, 36555), (850, 36585), (854, 36594), (868, 36618), (877, 36633), (885, 36648),

Gene: Topanga_34 Start: 26894, Stop: 25461, Start Num: 154
Candidate Starts for Topanga_34:
(Start: 154 @26894 has 5 MA's), (223, 26792), (Start: 241 @26750 has 1 MA's), (321, 26615), (328, 26603), (329, 26600), (356, 26531), (363, 26510), (391, 26423), (392, 26420), (398, 26399), (426, 26330), (550, 26144), (693, 25901), (698, 25892), (721, 25838), (763, 25739), (854, 25553),

Gene: Topgun_36 Start: 28914, Stop: 30413, Start Num: 177
Candidate Starts for Topgun_36:
(78, 28800), (87, 28818), (Start: 103 @28833 has 30 MA's), (Start: 107 @28839 has 3 MA's), (Start: 117 @28845 has 12 MA's), (Start: 119 @28848 has 11 MA's), (Start: 126 @28863 has 4 MA's), (Start: 177 @28914 has 227 MA's), (Start: 183 @28923 has 17 MA's), (Start: 186 @28929 has 10 MA's), (190, 28938), (Start: 295 @29133 has 1 MA's), (Start: 297 @29139 has 1 MA's), (305, 29160), (Start: 360 @29289 has 1 MA's), (363, 29298), (365, 29307), (399, 29415), (410, 29436), (417, 29448), (425, 29472), (438, 29514), (516, 29643), (551, 29703), (574, 29760), (588, 29787), (602, 29814), (604, 29817), (610, 29829), (685, 29928), (703, 29967), (706, 29970), (738, 30048), (743, 30063), (847, 30282), (906, 30381), (917, 30405),

Gene: Toro_35 Start: 28870, Stop: 27362, Start Num: 177
Candidate Starts for Toro_35:
(Start: 152 @28885 has 3 MA's), (Start: 177 @28870 has 227 MA's), (250, 28723), (338, 28570), (358, 28510), (395, 28393), (410, 28354), (421, 28330), (423, 28327), (426, 28315), (485, 28180), (550, 28069), (558, 28048), (566, 28027), (608, 27937), (631, 27901), (632, 27898), (684, 27832), (698, 27808), (711, 27781), (717, 27766), (721, 27754), (735, 27721), (746, 27688), (840, 27496), (852, 27475), (867, 27454), (899, 27400),

Gene: Tote_34 Start: 27141, Stop: 28268, Start Num: 360
Candidate Starts for Tote_34:
(9, 26229), (17, 26322), (20, 26370), (51, 26487), (56, 26514), (80, 26568), (Start: 126 @26634 has 4 MA's), (185, 26700), (195, 26727), (271, 26916), (289, 26961), (323, 27045), (Start: 360 @27141 has 1 MA's), (363, 27150), (365, 27159), (397, 27261), (399, 27267), (410, 27288), (417, 27300), (425, 27324), (438, 27366), (516, 27495), (551, 27555), (574, 27612), (588, 27639), (602, 27666), (604, 27669), (610, 27681), (685, 27783), (689, 27789), (703, 27822), (706, 27825), (738, 27903), (743, 27918), (748, 27933), (793, 28023), (847, 28137), (906, 28236), (917, 28260),

Gene: TpudiCK_132 Start: 69077, Stop: 67617, Start Num: 133
Candidate Starts for TpudiCK_132:
(Start: 106 @69119 has 11 MA's), (128, 69086), (Start: 133 @69077 has 21 MA's), (190, 69005), (233, 68924), (Start: 259 @68882 has 1 MA's), (277, 68858), (313, 68786), (355, 68669), (373, 68606), (407, 68522), (412, 68510), (430, 68468), (435, 68450), (527, 68288), (539, 68267), (559, 68216), (574, 68189), (587, 68162), (663, 68042), (738, 67892), (774, 67814), (794, 67769), (820, 67712),

Gene: Traft412_39 Start: 30521, Stop: 32023, Start Num: 177
Candidate Starts for Traft412_39:
(Start: 103 @30440 has 30 MA's), (Start: 107 @30446 has 3 MA's), (Start: 117 @30452 has 12 MA's), (Start: 119 @30455 has 11 MA's), (Start: 126 @30470 has 4 MA's), (Start: 177 @30521 has 227 MA's), (Start: 186 @30536 has 10 MA's), (190, 30545), (Start: 297 @30746 has 1 MA's), (305, 30767), (Start: 360 @30896 has 1 MA's), (363, 30905), (365, 30914), (399, 31022), (410, 31043), (417, 31055), (425, 31079), (516, 31250), (551, 31310), (574, 31367), (602, 31421), (604, 31424), (610, 31436), (664, 31505), (689, 31544), (703, 31577), (738, 31658), (743, 31673), (793, 31778), (847, 31892), (906, 31991), (917, 32015),

Gene: Treddle_39 Start: 30758, Stop: 32260, Start Num: 177
Candidate Starts for Treddle_39:
(Start: 103 @30677 has 30 MA's), (Start: 107 @30683 has 3 MA's), (Start: 117 @30689 has 12 MA's), (Start: 119 @30692 has 11 MA's), (Start: 126 @30707 has 4 MA's), (Start: 177 @30758 has 227 MA's), (Start: 186 @30773 has 10 MA's), (Start: 295 @30977 has 1 MA's), (Start: 297 @30983 has 1 MA's), (305, 31004), (Start: 360 @31133 has 1 MA's), (363, 31142), (365, 31151), (399, 31259), (410, 31280), (417, 31292), (425, 31316), (438, 31358), (516, 31487), (551, 31547), (574, 31604), (588, 31631), (602, 31658), (610, 31673), (664, 31742), (689, 31781), (703, 31814), (738, 31895), (743, 31910), (793, 32015), (847, 32129), (852, 32141), (906, 32228), (917, 32252),

Gene: Trike_31 Start: 25248, Stop: 23752, Start Num: 177
Candidate Starts for Trike_31:
(70, 25362), (Start: 106 @25314 has 11 MA's), (151, 25260), (Start: 177 @25248 has 227 MA's), (214, 25173), (Start: 241 @25113 has 1 MA's), (316, 24987), (328, 24966), (344, 24936), (355, 24897), (409, 24735), (421, 24708), (439, 24654), (523, 24516), (624, 24324), (711, 24159), (721, 24132), (724, 24126), (840, 23874), (852, 23853), (854, 23847), (859, 23841), (875, 23829), (880, 23820), (887, 23808),

Gene: Tripl3t_38 Start: 30269, Stop: 31771, Start Num: 177
Candidate Starts for Tripl3t_38:
(Start: 103 @30188 has 30 MA's), (Start: 107 @30194 has 3 MA's), (Start: 117 @30200 has 12 MA's), (Start: 119 @30203 has 11 MA's), (Start: 126 @30218 has 4 MA's), (Start: 177 @30269 has 227 MA's), (Start: 184 @30281 has 3 MA's), (Start: 297 @30494 has 1 MA's), (303, 30506), (305, 30515), (323, 30548), (Start: 360 @30644 has 1 MA's), (363, 30653), (365, 30662), (399, 30770), (410, 30791), (417, 30803), (425, 30827), (438, 30869), (516, 30998), (551, 31058), (574, 31115), (588, 31142), (602, 31169), (610, 31184), (689, 31292), (703, 31325), (738, 31406), (743, 31421), (793, 31526), (847, 31640), (906, 31739), (917, 31763),

Gene: Triste_51 Start: 36115, Stop: 37794, Start Num: 96
Candidate Starts for Triste_51:
(Start: 96 @36115 has 7 MA's), (Start: 134 @36172 has 6 MA's), (Start: 142 @36181 has 24 MA's), (218, 36328), (261, 36427), (269, 36445), (285, 36496), (319, 36577), (321, 36580), (353, 36652), (355, 36661), (356, 36664), (395, 36790), (406, 36817), (434, 36886), (450, 36931), (502, 37000), (521, 37027), (552, 37075), (571, 37123), (591, 37162), (602, 37189), (624, 37219), (703, 37342), (731, 37402), (746, 37447), (808, 37576), (830, 37627), (834, 37636), (854, 37675), (868, 37699), (877, 37714), (885, 37729), (895, 37744),

Gene: Trouble_38 Start: 30371, Stop: 31873, Start Num: 177
Candidate Starts for Trouble_38:
(Start: 103 @30290 has 30 MA's), (Start: 107 @30296 has 3 MA's), (Start: 117 @30302 has 12 MA's), (Start: 119 @30305 has 11 MA's), (Start: 126 @30320 has 4 MA's), (Start: 177 @30371 has 227 MA's), (Start: 295 @30590 has 1 MA's), (Start: 297 @30596 has 1 MA's), (305, 30617), (356, 30734), (Start: 360 @30746 has 1 MA's), (363, 30755), (365, 30764), (399, 30872), (410, 30893), (417, 30905),

(516, 31100), (551, 31160), (574, 31217), (588, 31244), (602, 31271), (604, 31274), (610, 31286), (689, 31394), (703, 31427), (738, 31508), (743, 31523), (793, 31628), (847, 31742), (906, 31841), (917, 31865),

Gene: TrvxScott_52 Start: 38541, Stop: 39962, Start Num: 157
Candidate Starts for TrvxScott_52:
(102, 38460), (108, 38469), (Start: 118 @38481 has 3 MA's), (Start: 149 @38532 has 5 MA's), (Start: 157 @38541 has 10 MA's), (Start: 297 @38778 has 1 MA's), (Start: 360 @38916 has 1 MA's), (402, 39045), (429, 39093), (483, 39204), (488, 39213), (506, 39240), (515, 39261), (517, 39264), (533, 39303), (541, 39318), (609, 39462), (659, 39546), (720, 39663), (738, 39699), (760, 39753), (761, 39756), (781, 39789), (810, 39855), (838, 39912), (861, 39951),

Gene: TuanPN_49 Start: 36125, Stop: 37747, Start Num: 134
Candidate Starts for TuanPN_49:
(Start: 96 @36068 has 7 MA's), (Start: 134 @36125 has 6 MA's), (Start: 142 @36134 has 24 MA's), (218, 36281), (261, 36380), (269, 36398), (285, 36449), (319, 36530), (321, 36533), (353, 36605), (355, 36614), (356, 36617), (395, 36743), (406, 36770), (434, 36839), (450, 36884), (502, 36953), (521, 36980), (552, 37028), (571, 37076), (591, 37115), (624, 37172), (703, 37295), (731, 37355), (746, 37400), (808, 37529), (830, 37580), (834, 37589), (854, 37628), (868, 37652), (877, 37667), (885, 37682), (895, 37697),

Gene: Tubberson_29 Start: 24708, Stop: 23053, Start Num: 205
Candidate Starts for Tubberson_29:
(Start: 205 @24708 has 12 MA's), (291, 24489), (364, 24282), (386, 24222), (437, 24042), (514, 23898), (532, 23859), (534, 23856), (584, 23727), (627, 23643), (649, 23595), (654, 23589), (739, 23391), (744, 23376), (785, 23292), (817, 23223), (833, 23181), (834, 23178), (848, 23154), (873, 23109), (885, 23085),

Gene: Tuck_53 Start: 37345, Stop: 38829, Start Num: 156
Candidate Starts for Tuck_53:
(Start: 156 @37345 has 1 MA's), (Start: 164 @37354 has 4 MA's), (345, 37675), (433, 37954), (523, 38128), (634, 38320), (749, 38557), (838, 38719),

Gene: Turab_46 Start: 34417, Stop: 35835, Start Num: 170
Candidate Starts for Turab_46:
(Start: 152 @34399 has 3 MA's), (Start: 165 @34414 has 1 MA's), (Start: 170 @34417 has 33 MA's), (Start: 177 @34426 has 227 MA's), (233, 34540), (Start: 297 @34648 has 1 MA's), (312, 34681), (318, 34696), (351, 34759), (356, 34771), (358, 34780), (391, 34879), (403, 34921), (425, 34972), (438, 35011), (523, 35116), (711, 35473), (718, 35491), (723, 35503), (808, 35674),

Gene: Turj99_36 Start: 29282, Stop: 30865, Start Num: 103
Candidate Starts for Turj99_36:
(Start: 103 @29282 has 30 MA's), (Start: 107 @29288 has 3 MA's), (Start: 117 @29294 has 12 MA's), (Start: 119 @29297 has 11 MA's), (Start: 126 @29312 has 4 MA's), (Start: 177 @29363 has 227 MA's), (Start: 295 @29582 has 1 MA's), (Start: 297 @29588 has 1 MA's), (305, 29609), (Start: 360 @29738 has 1 MA's), (363, 29747), (365, 29756), (399, 29864), (410, 29885), (417, 29897), (425, 29921), (438, 29963), (516, 30092), (551, 30152), (574, 30209), (602, 30263), (604, 30266), (610, 30278), (689, 30386), (703, 30419), (706, 30422), (738, 30500), (743, 30515), (793, 30620), (801, 30635), (847, 30734), (906, 30833), (917, 30857),

Gene: Tutumahutu_51 Start: 35299, Stop: 36717, Start Num: 170
Candidate Starts for Tutumahutu_51:

(Start: 152 @35281 has 3 MA's), (Start: 165 @35296 has 1 MA's), (Start: 170 @35299 has 33 MA's), (Start: 177 @35308 has 227 MA's), (233, 35422), (Start: 241 @35446 has 1 MA's), (Start: 297 @35530 has 1 MA's), (351, 35641), (356, 35653), (358, 35662), (391, 35761), (425, 35854), (430, 35866), (438, 35893), (559, 36052), (718, 36373), (723, 36385), (738, 36418), (808, 36556),

Gene: Tweety19_52 Start: 34578, Stop: 36083, Start Num: 126
Candidate Starts for Tweety19_52:
(Start: 126 @34578 has 4 MA's), (Start: 154 @34617 has 5 MA's), (Start: 172 @34635 has 26 MA's), (282, 34821), (365, 35022), (392, 35103), (523, 35388), (607, 35517), (699, 35682), (777, 35844), (863, 36015), (866, 36021),

Gene: Twigg_30 Start: 25748, Stop: 24255, Start Num: 177
Candidate Starts for Twigg_30:
(Start: 177 @25748 has 227 MA's), (Start: 192 @25715 has 1 MA's), (Start: 193 @25712 has 3 MA's), (Start: 206 @25694 has 9 MA's), (Start: 241 @25613 has 1 MA's), (326, 25469), (340, 25442), (356, 25394), (410, 25229), (421, 25205), (423, 25202), (430, 25181), (536, 24992), (602, 24851), (624, 24821), (717, 24644), (721, 24632), (754, 24548), (763, 24533), (777, 24518), (859, 24341), (887, 24311), (907, 24278),

Gene: Twister_34 Start: 26802, Stop: 25369, Start Num: 154
Candidate Starts for Twister_34:
(Start: 154 @26802 has 5 MA's), (223, 26700), (Start: 241 @26658 has 1 MA's), (321, 26523), (328, 26511), (329, 26508), (356, 26439), (363, 26418), (391, 26331), (392, 26328), (398, 26307), (426, 26238), (550, 26052), (693, 25809), (698, 25800), (721, 25746), (763, 25647), (854, 25461),

Gene: TwoPeat_38 Start: 29780, Stop: 31363, Start Num: 103
Candidate Starts for TwoPeat_38:
(Start: 103 @29780 has 30 MA's), (Start: 107 @29786 has 3 MA's), (Start: 117 @29792 has 12 MA's), (Start: 119 @29795 has 11 MA's), (Start: 126 @29810 has 4 MA's), (Start: 177 @29861 has 227 MA's), (Start: 186 @29876 has 10 MA's), (230, 29969), (Start: 295 @30080 has 1 MA's), (Start: 297 @30086 has 1 MA's), (Start: 360 @30236 has 1 MA's), (363, 30245), (365, 30254), (399, 30362), (410, 30383), (417, 30395), (425, 30419), (438, 30461), (516, 30590), (551, 30650), (574, 30707), (588, 30734), (602, 30761), (610, 30776), (689, 30884), (703, 30917), (738, 30998), (743, 31013), (793, 31118), (847, 31232), (906, 31331), (917, 31355),

Gene: TyDawg_126 Start: 69259, Stop: 67799, Start Num: 133
Candidate Starts for TyDawg_126:
(Start: 106 @69301 has 11 MA's), (128, 69268), (Start: 133 @69259 has 21 MA's), (190, 69187), (233, 69106), (Start: 259 @69064 has 1 MA's), (277, 69040), (313, 68968), (355, 68851), (373, 68788), (407, 68704), (412, 68692), (430, 68650), (435, 68632), (527, 68470), (539, 68449), (559, 68398), (574, 68371), (587, 68344), (663, 68224), (738, 68074), (774, 67996), (794, 67951), (820, 67894),

Gene: TygerBlood_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for TygerBlood_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (380, 26163), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: U2_37 Start: 29511, Stop: 31013, Start Num: 177
Candidate Starts for U2_37:

(Start: 93 @29421 has 2 MA's), (Start: 131 @29466 has 4 MA's), (Start: 177 @29511 has 227 MA's), (Start: 186 @29526 has 10 MA's), (190, 29535), (235, 29628), (Start: 295 @29730 has 1 MA's), (Start: 297 @29736 has 1 MA's), (305, 29757), (Start: 360 @29886 has 1 MA's), (363, 29895), (365, 29904), (366, 29910), (399, 30012), (410, 30033), (417, 30045), (425, 30069), (516, 30240), (551, 30300), (574, 30357), (602, 30411), (604, 30414), (610, 30426), (689, 30534), (703, 30567), (738, 30648), (743, 30663), (793, 30768), (847, 30882), (906, 30981), (917, 31005),

Gene: UhSalsa_29 Start: 23636, Stop: 22140, Start Num: 145
Candidate Starts for UhSalsa_29:
(Start: 145 @23636 has 32 MA's), (Start: 177 @23615 has 227 MA's), (Start: 181 @23609 has 3 MA's), (Start: 241 @23480 has 1 MA's), (277, 23432), (321, 23345), (363, 23240), (397, 23129), (409, 23099), (423, 23069), (426, 23057), (449, 22994), (471, 22964), (495, 22931), (508, 22910), (523, 22880), (531, 22865), (536, 22859), (558, 22811), (571, 22778), (595, 22721), (624, 22682), (627, 22676), (693, 22580), (709, 22547), (718, 22526), (721, 22517), (796, 22355),

Gene: Ulysses_32 Start: 26359, Stop: 24863, Start Num: 177
Candidate Starts for Ulysses_32:
(Start: 106 @26425 has 11 MA's), (Start: 177 @26359 has 227 MA's), (Start: 189 @26341 has 3 MA's), (214, 26284), (223, 26266), (239, 26236), (Start: 241 @26224 has 1 MA's), (316, 26098), (328, 26077), (344, 26047), (355, 26008), (396, 25879), (421, 25819), (439, 25765), (523, 25627), (647, 25396), (693, 25306), (711, 25270), (721, 25243), (742, 25189), (745, 25180), (849, 24970), (859, 24952), (875, 24940), (880, 24931),

Gene: UnionJack_31 Start: 25014, Stop: 23569, Start Num: 193
Candidate Starts for UnionJack_31:
(Start: 134 @25077 has 6 MA's), (Start: 177 @25050 has 227 MA's), (Start: 193 @25014 has 3 MA's), (Start: 241 @24915 has 1 MA's), (Start: 297 @24831 has 1 MA's), (316, 24789), (329, 24765), (344, 24738), (355, 24699), (363, 24675), (410, 24531), (518, 24324), (562, 24237), (583, 24192), (595, 24162), (610, 24138), (624, 24123), (693, 24012), (698, 24003), (721, 23949), (735, 23916), (763, 23850), (796, 23787), (859, 23658), (913, 23580),

Gene: Unstoppable_49 Start: 34070, Stop: 35392, Start Num: 183
Candidate Starts for Unstoppable_49:
(Start: 176 @34058 has 14 MA's), (Start: 183 @34070 has 17 MA's), (190, 34085), (229, 34172), (Start: 232 @34175 has 1 MA's), (246, 34199), (277, 34241), (283, 34250), (303, 34292), (305, 34301), (313, 34313), (352, 34403), (355, 34412), (363, 34436), (402, 34556), (411, 34562), (460, 34652), (483, 34667), (488, 34676), (509, 34709), (557, 34820), (559, 34826), (578, 34874), (590, 34889), (596, 34904), (636, 34964), (649, 34988), (696, 35069), (717, 35099), (734, 35129), (749, 35177), (789, 35255), (810, 35303), (816, 35312), (825, 35339), (846, 35378),

Gene: Urza_50 Start: 33266, Stop: 34684, Start Num: 184
Candidate Starts for Urza_50:
(104, 33152), (108, 33158), (Start: 173 @33245 has 2 MA's), (Start: 184 @33266 has 3 MA's), (341, 33578), (358, 33632), (Start: 360 @33635 has 1 MA's), (372, 33680), (379, 33695), (402, 33761), (443, 33845), (465, 33878), (507, 33950), (515, 33968), (540, 34022), (572, 34103), (582, 34127), (586, 34133), (620, 34184), (636, 34217), (673, 34286), (699, 34331), (734, 34412), (744, 34445), (745, 34448), (846, 34667),

Gene: Utz_33 Start: 30671, Stop: 32062, Start Num: 179
Candidate Starts for Utz_33:
(76, 30530), (92, 30557), (Start: 149 @30641 has 5 MA's), (Start: 172 @30662 has 26 MA's), (Start: 179 @30671 has 38 MA's), (235, 30791), (332, 30968), (366, 31061), (368, 31067), (378, 31094), (395, 31148), (438, 31265), (481, 31343), (568, 31520), (578, 31547), (594, 31562), (641, 31628), (643,

31631), (654, 31652), (662, 31664), (663, 31667), (702, 31745), (729, 31802), (758, 31871), (776, 31898), (800, 31949), (810, 31970),

Gene: UtzChips_59 Start: 38303, Stop: 39808, Start Num: 176
Candidate Starts for UtzChips_59:
(18, 37964), (135, 38255), (Start: 176 @38303 has 14 MA's), (277, 38495), (355, 38666), (430, 38858), (454, 38912), (488, 38960), (540, 39062), (659, 39299), (737, 39449), (783, 39548), (914, 39803),

Gene: VResidence_50 Start: 34666, Stop: 36156, Start Num: 153
Candidate Starts for VResidence_50:
(Start: 153 @34666 has 1 MA's), (239, 34810), (345, 35002), (363, 35071), (408, 35215), (523, 35455), (559, 35506), (634, 35647), (749, 35884), (803, 35974),

Gene: Vanseggelen_57 Start: 36594, Stop: 38177, Start Num: 142
Candidate Starts for Vanseggelen_57:
(91, 36522), (98, 36531), (102, 36537), (Start: 142 @36594 has 24 MA's), (254, 36804), (255, 36810), (257, 36813), (261, 36819), (269, 36837), (313, 36954), (321, 36972), (355, 37053), (356, 37056), (411, 37218), (450, 37320), (502, 37386), (536, 37428), (552, 37458), (602, 37572), (624, 37602), (693, 37701), (701, 37716), (703, 37725), (717, 37752), (718, 37755), (735, 37797), (746, 37830), (784, 37899), (812, 37965), (817, 37977), (834, 38019), (850, 38049), (854, 38058), (868, 38082), (877, 38097),

Gene: Vash_53 Start: 39034, Stop: 40593, Start Num: 191
Candidate Starts for Vash_53:
(Start: 124 @38938 has 1 MA's), (Start: 157 @38983 has 10 MA's), (Start: 165 @38992 has 1 MA's), (Start: 179 @39004 has 38 MA's), (Start: 191 @39034 has 3 MA's), (279, 39220), (281, 39223), (298, 39256), (303, 39265), (321, 39304), (340, 39340), (353, 39370), (356, 39382), (372, 39439), (373, 39442), (381, 39460), (385, 39469), (406, 39538), (432, 39598), (524, 39796), (529, 39808), (536, 39826), (550, 39853), (568, 39898), (597, 39970), (606, 39982), (624, 40006), (653, 40051), (685, 40105), (716, 40165), (746, 40249), (806, 40366), (809, 40372), (839, 40438), (840, 40441), (890, 40528),

Gene: Verabelle_54 Start: 36387, Stop: 37772, Start Num: 161
Candidate Starts for Verabelle_54:
(Start: 161 @36387 has 1 MA's), (310, 36657), (321, 36678), (340, 36708), (387, 36840), (478, 37026), (492, 37047), (509, 37074), (569, 37206), (587, 37245), (644, 37341), (662, 37371), (703, 37452), (738, 37521), (739, 37524), (766, 37584), (777, 37602), (791, 37638), (796, 37650), (808, 37674), (815, 37686), (820, 37698), (833, 37728),

Gene: Veracruz_33 Start: 27223, Stop: 25721, Start Num: 181
Candidate Starts for Veracruz_33:
(Start: 152 @27244 has 3 MA's), (Start: 177 @27229 has 227 MA's), (Start: 181 @27223 has 3 MA's), (Start: 183 @27220 has 17 MA's), (274, 27052), (277, 27046), (338, 26929), (358, 26869), (395, 26752), (410, 26713), (423, 26686), (426, 26674), (485, 26539), (566, 26386), (608, 26296), (632, 26257), (698, 26167), (717, 26125), (721, 26113), (739, 26068), (746, 26047), (852, 25834), (867, 25813),

Gene: Verse_51 Start: 37557, Stop: 38969, Start Num: 172
Candidate Starts for Verse_51:
(Start: 172 @37557 has 26 MA's), (190, 37587), (Start: 232 @37677 has 1 MA's), (277, 37743), (283, 37752), (290, 37770), (296, 37779), (303, 37794), (305, 37803), (313, 37815), (326, 37842), (338, 37866), (342, 37875), (355, 37914), (356, 37917), (363, 37938), (411, 38064), (412, 38067), (435, 38127), (483, 38238), (492, 38253), (517, 38298), (540, 38349), (557, 38391), (578, 38445), (590,

38460), (596, 38475), (643, 38544), (649, 38559), (685, 38622), (734, 38700), (744, 38733), (749, 38748), (810, 38874), (819, 38892), (833, 38928), (846, 38949),

Gene: VieEnRose_50 Start: 33329, Stop: 34747, Start Num: 184
Candidate Starts for VieEnRose_50:
(104, 33215), (108, 33221), (Start: 173 @33308 has 2 MA's), (Start: 184 @33329 has 3 MA's), (341, 33641), (358, 33695), (Start: 360 @33698 has 1 MA's), (372, 33743), (379, 33758), (402, 33824), (443, 33908), (465, 33941), (507, 34013), (515, 34031), (540, 34085), (555, 34124), (572, 34166), (582, 34190), (586, 34196), (620, 34247), (636, 34280), (673, 34349), (699, 34394), (734, 34475), (744, 34508), (803, 34634), (846, 34730),

Gene: Violet_36 Start: 29937, Stop: 31439, Start Num: 177
Candidate Starts for Violet_36:
(Start: 103 @29856 has 30 MA's), (Start: 107 @29862 has 3 MA's), (Start: 117 @29868 has 12 MA's), (Start: 119 @29871 has 11 MA's), (Start: 126 @29886 has 4 MA's), (Start: 177 @29937 has 227 MA's), (Start: 186 @29952 has 10 MA's), (Start: 295 @30156 has 1 MA's), (Start: 297 @30162 has 1 MA's), (305, 30183), (Start: 360 @30312 has 1 MA's), (363, 30321), (365, 30330), (366, 30336), (395, 30426), (399, 30438), (417, 30471), (430, 30507), (516, 30666), (551, 30726), (574, 30783), (588, 30810), (602, 30837), (610, 30852), (685, 30954), (689, 30960), (703, 30993), (706, 30996), (738, 31074), (743, 31089), (847, 31308), (906, 31407), (917, 31431),

Gene: ViviJ_38 Start: 31256, Stop: 32626, Start Num: 206
Candidate Starts for ViviJ_38:
(31, 30929), (55, 30992), (75, 31046), (130, 31133), (Start: 166 @31181 has 7 MA's), (Start: 206 @31256 has 9 MA's), (211, 31268), (277, 31379), (279, 31382), (296, 31415), (305, 31439), (336, 31502), (363, 31577), (472, 31853), (578, 32075), (584, 32087), (622, 32135), (636, 32165), (645, 32186), (662, 32210), (736, 32363), (772, 32444), (777, 32450), (782, 32462), (796, 32498), (800, 32504), (810, 32525), (817, 32540), (819, 32546), (839, 32594), (845, 32603),

Gene: Vondra_28 Start: 22771, Stop: 21152, Start Num: 212
Candidate Starts for Vondra_28:
(Start: 212 @22771 has 5 MA's), (291, 22567), (Start: 297 @22549 has 1 MA's), (367, 22345), (422, 22162), (439, 22111), (476, 22045), (482, 22036), (552, 21895), (561, 21871), (584, 21817), (615, 21751), (667, 21646), (681, 21610), (725, 21523), (744, 21469), (792, 21367), (823, 21298), (833, 21274), (839, 21262), (882, 21211),

Gene: WalterMcMickey_34 Start: 26802, Stop: 25369, Start Num: 154
Candidate Starts for WalterMcMickey_34:
(Start: 154 @26802 has 5 MA's), (223, 26700), (Start: 241 @26658 has 1 MA's), (321, 26523), (328, 26511), (329, 26508), (356, 26439), (363, 26418), (391, 26331), (392, 26328), (398, 26307), (426, 26238), (550, 26052), (693, 25809), (698, 25800), (721, 25746), (763, 25647), (854, 25461),

Gene: Wander_33 Start: 26637, Stop: 25123, Start Num: 171
Candidate Starts for Wander_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353, 26250), (421, 26049), (425, 26037), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Warda_50 Start: 35363, Stop: 36781, Start Num: 170
Candidate Starts for Warda_50:
(Start: 152 @35345 has 3 MA's), (Start: 165 @35360 has 1 MA's), (Start: 170 @35363 has 33 MA's), (Start: 177 @35372 has 227 MA's), (233, 35486), (Start: 297 @35594 has 1 MA's), (318, 35642), (351,

35705), (356, 35717), (358, 35726), (391, 35825), (425, 35918), (430, 35930), (449, 35984), (559, 36116), (693, 36383), (711, 36419), (718, 36437), (723, 36449), (738, 36482), (808, 36620),

Gene: Waterfoul_39 Start: 31558, Stop: 32964, Start Num: 179
Candidate Starts for Waterfoul_39:
(Start: 172 @31549 has 26 MA's), (Start: 179 @31558 has 38 MA's), (235, 31678), (332, 31855), (346, 31879), (362, 31930), (375, 31972), (391, 32020), (397, 32041), (406, 32068), (410, 32077), (423, 32104), (430, 32125), (435, 32143), (446, 32170), (477, 32215), (492, 32221), (543, 32326), (575, 32392), (578, 32401), (591, 32422), (600, 32440), (662, 32548), (666, 32557), (667, 32560), (714, 32656), (719, 32668), (735, 32704), (769, 32776), (773, 32785), (796, 32836), (816, 32875), (821, 32887), (824, 32896), (843, 32926), (851, 32941),

Gene: Watermelon_39 Start: 30238, Stop: 31821, Start Num: 103
Candidate Starts for Watermelon_39:
(Start: 103 @30238 has 30 MA's), (Start: 107 @30244 has 3 MA's), (Start: 117 @30250 has 12 MA's), (Start: 119 @30253 has 11 MA's), (Start: 126 @30268 has 4 MA's), (Start: 177 @30319 has 227 MA's), (Start: 186 @30334 has 10 MA's), (Start: 295 @30538 has 1 MA's), (Start: 297 @30544 has 1 MA's), (Start: 360 @30694 has 1 MA's), (363, 30703), (365, 30712), (399, 30820), (410, 30841), (417, 30853), (425, 30877), (438, 30919), (516, 31048), (551, 31108), (574, 31165), (588, 31192), (602, 31219), (604, 31222), (610, 31234), (689, 31342), (703, 31375), (738, 31456), (743, 31471), (793, 31576), (847, 31690), (906, 31789), (917, 31813),

Gene: Werner_50 Start: 36179, Stop: 37792, Start Num: 142
Candidate Starts for Werner_50:
(Start: 96 @36113 has 7 MA's), (Start: 134 @36170 has 6 MA's), (Start: 142 @36179 has 24 MA's), (218, 36326), (261, 36425), (269, 36443), (285, 36494), (319, 36575), (321, 36578), (353, 36650), (355, 36659), (356, 36662), (395, 36788), (406, 36815), (434, 36884), (450, 36929), (502, 36998), (521, 37025), (552, 37073), (571, 37121), (591, 37160), (602, 37187), (624, 37217), (703, 37340), (731, 37400), (746, 37445), (808, 37574), (830, 37625), (834, 37634), (854, 37673), (868, 37697), (877, 37712), (885, 37727), (895, 37742),

Gene: Whatever_50 Start: 36205, Stop: 37818, Start Num: 142
Candidate Starts for Whatever_50:
(Start: 96 @36139 has 7 MA's), (Start: 134 @36196 has 6 MA's), (Start: 142 @36205 has 24 MA's), (218, 36352), (261, 36451), (269, 36469), (285, 36520), (319, 36601), (321, 36604), (353, 36676), (355, 36685), (356, 36688), (395, 36814), (406, 36841), (434, 36910), (450, 36955), (502, 37024), (521, 37051), (552, 37099), (571, 37147), (591, 37186), (602, 37213), (624, 37243), (703, 37366), (731, 37426), (746, 37471), (808, 37600), (830, 37651), (834, 37660), (854, 37699), (868, 37723), (877, 37738), (885, 37753), (895, 37768),

Gene: Wheeler_38 Start: 29849, Stop: 31351, Start Num: 177
Candidate Starts for Wheeler_38:
(Start: 131 @29804 has 4 MA's), (Start: 177 @29849 has 227 MA's), (Start: 186 @29864 has 10 MA's), (250, 29996), (Start: 295 @30068 has 1 MA's), (Start: 297 @30074 has 1 MA's), (303, 30086), (305, 30095), (Start: 360 @30224 has 1 MA's), (363, 30233), (365, 30242), (399, 30350), (410, 30371), (417, 30383), (425, 30407), (438, 30449), (516, 30578), (551, 30638), (574, 30695), (588, 30722), (602, 30749), (610, 30764), (664, 30833), (689, 30872), (703, 30905), (738, 30986), (743, 31001), (793, 31106), (847, 31220), (906, 31319), (917, 31343),

Gene: Wilbur_33 Start: 26646, Stop: 25123, Start Num: 162
Candidate Starts for Wilbur_33:
(Start: 136 @26679 has 1 MA's), (Start: 162 @26646 has 16 MA's), (Start: 171 @26637 has 113 MA's), (250, 26475), (277, 26409), (286, 26391), (325, 26316), (335, 26292), (351, 26253), (353,

26250), (380, 26163), (425, 26037), (430, 26025), (513, 25854), (573, 25743), (595, 25692), (682, 25563), (687, 25554), (721, 25479), (724, 25473), (781, 25350), (796, 25311), (878, 25161), (886, 25146),

Gene: Wildwest_49 Start: 35283, Stop: 36758, Start Num: 164
Candidate Starts for Wildwest_49:
(Start: 156 @35274 has 1 MA's), (Start: 164 @35283 has 4 MA's), (345, 35604), (408, 35817), (523, 36057), (559, 36108), (634, 36249), (693, 36345), (749, 36486), (751, 36489), (863, 36690),

Gene: Wile_33 Start: 26657, Stop: 25143, Start Num: 171
Candidate Starts for Wile_33:
(Start: 136 @26699 has 1 MA's), (Start: 162 @26666 has 16 MA's), (Start: 171 @26657 has 113 MA's), (250, 26495), (277, 26429), (286, 26411), (325, 26336), (351, 26273), (353, 26270), (380, 26183), (425, 26057), (513, 25874), (551, 25817), (573, 25763), (595, 25712), (682, 25583), (687, 25574), (721, 25499), (724, 25493), (777, 25379), (781, 25370), (796, 25331), (878, 25181), (886, 25166),

Gene: Wilkins_36 Start: 28845, Stop: 30344, Start Num: 177
Candidate Starts for Wilkins_36:
(78, 28731), (87, 28749), (Start: 103 @28764 has 30 MA's), (Start: 107 @28770 has 3 MA's), (Start: 117 @28776 has 12 MA's), (Start: 119 @28779 has 11 MA's), (Start: 126 @28794 has 4 MA's), (Start: 177 @28845 has 227 MA's), (Start: 295 @29064 has 1 MA's), (Start: 297 @29070 has 1 MA's), (305, 29091), (Start: 360 @29220 has 1 MA's), (363, 29229), (365, 29238), (399, 29346), (410, 29367), (417, 29379), (425, 29403), (438, 29445), (516, 29574), (551, 29634), (574, 29691), (588, 29718), (602, 29745), (604, 29748), (610, 29760), (685, 29859), (703, 29898), (738, 29979), (743, 29994), (793, 30099), (847, 30213), (906, 30312), (917, 30336),

Gene: William_40 Start: 31099, Stop: 32487, Start Num: 179
Candidate Starts for William_40:
(Start: 179 @31099 has 38 MA's), (199, 31141), (Start: 206 @31156 has 9 MA's), (Start: 295 @31312 has 1 MA's), (321, 31369), (366, 31489), (378, 31522), (395, 31576), (397, 31582), (406, 31609), (423, 31645), (483, 31777), (517, 31837), (530, 31870), (540, 31888), (574, 31963), (578, 31975), (594, 31990), (627, 32026), (654, 32080), (662, 32092), (702, 32173), (729, 32230), (736, 32245), (743, 32266), (758, 32299), (764, 32308), (767, 32311), (773, 32323), (776, 32326), (780, 32335), (824, 32431), (836, 32452), (846, 32467),

Gene: Wisp_34 Start: 29114, Stop: 30505, Start Num: 179
Candidate Starts for Wisp_34:
(76, 28973), (92, 29000), (Start: 149 @29084 has 5 MA's), (Start: 172 @29105 has 26 MA's), (Start: 179 @29114 has 38 MA's), (Start: 206 @29171 has 9 MA's), (235, 29234), (Start: 295 @29327 has 1 MA's), (332, 29411), (366, 29504), (368, 29510), (378, 29537), (395, 29591), (438, 29708), (481, 29786), (540, 29903), (543, 29912), (568, 29963), (578, 29990), (594, 30005), (641, 30071), (643, 30074), (654, 30095), (662, 30107), (663, 30110), (702, 30188), (729, 30245), (758, 30314), (764, 30323), (776, 30341), (800, 30392), (833, 30467),

Gene: Wizard007_33 Start: 26642, Stop: 25128, Start Num: 171
Candidate Starts for Wizard007_33:
(Start: 136 @26684 has 1 MA's), (Start: 162 @26651 has 16 MA's), (Start: 171 @26642 has 113 MA's), (250, 26480), (277, 26414), (286, 26396), (325, 26321), (335, 26297), (351, 26258), (353, 26255), (380, 26168), (421, 26054), (425, 26042), (513, 25859), (573, 25748), (595, 25697), (682, 25568), (687, 25559), (721, 25484), (724, 25478), (781, 25355), (796, 25316), (878, 25166), (886, 25151),

Gene: Wocket_39 Start: 29863, Stop: 31254, Start Num: 179
Candidate Starts for Wocket_39:
(Start: 179 @29863 has 38 MA's), (332, 30160), (378, 30286), (395, 30340), (438, 30457), (515, 30598), (530, 30634), (540, 30652), (568, 30712), (578, 30739), (594, 30754), (627, 30790), (641, 30820), (662, 30856), (663, 30859), (702, 30937), (758, 31063), (800, 31141), (810, 31162), (833, 31216),

Gene: Xena_33 Start: 26644, Stop: 25130, Start Num: 171
Candidate Starts for Xena_33:
(Start: 136 @26686 has 1 MA's), (Start: 162 @26653 has 16 MA's), (Start: 171 @26644 has 113 MA's), (250, 26482), (277, 26416), (286, 26398), (325, 26323), (351, 26260), (353, 26257), (380, 26170), (425, 26044), (513, 25861), (551, 25804), (573, 25750), (595, 25699), (682, 25570), (687, 25561), (721, 25486), (724, 25480), (777, 25366), (781, 25357), (796, 25318), (878, 25168), (886, 25153),

Gene: Yang_49 Start: 35473, Stop: 36891, Start Num: 170
Candidate Starts for Yang_49:
(Start: 152 @35455 has 3 MA's), (Start: 165 @35470 has 1 MA's), (Start: 170 @35473 has 33 MA's), (Start: 177 @35482 has 227 MA's), (Start: 297 @35704 has 1 MA's), (351, 35815), (356, 35827), (358, 35836), (391, 35935), (403, 35977), (425, 36028), (438, 36067), (682, 36472), (711, 36529), (718, 36547), (723, 36559),

Gene: Yasdnil_50 Start: 36231, Stop: 37844, Start Num: 142
Candidate Starts for Yasdnil_50:
(Start: 96 @36165 has 7 MA's), (Start: 134 @36222 has 6 MA's), (Start: 142 @36231 has 24 MA's), (218, 36378), (261, 36477), (269, 36495), (285, 36546), (319, 36627), (321, 36630), (353, 36702), (355, 36711), (356, 36714), (395, 36840), (406, 36867), (434, 36936), (450, 36981), (502, 37050), (521, 37077), (552, 37125), (571, 37173), (591, 37212), (602, 37239), (624, 37269), (703, 37392), (731, 37452), (746, 37497), (808, 37626), (830, 37677), (834, 37686), (854, 37725), (868, 37749), (877, 37764), (885, 37779), (895, 37794),

Gene: YesChef_50 Start: 35275, Stop: 36693, Start Num: 170
Candidate Starts for YesChef_50:
(Start: 152 @35257 has 3 MA's), (Start: 165 @35272 has 1 MA's), (Start: 170 @35275 has 33 MA's), (Start: 177 @35284 has 227 MA's), (233, 35398), (Start: 241 @35422 has 1 MA's), (Start: 297 @35506 has 1 MA's), (351, 35617), (356, 35629), (358, 35638), (391, 35737), (425, 35830), (430, 35842), (438, 35869), (559, 36028), (718, 36349), (723, 36361), (738, 36394), (808, 36532),

Gene: YoSam321_33 Start: 26634, Stop: 25120, Start Num: 171
Candidate Starts for YoSam321_33:
(Start: 136 @26676 has 1 MA's), (Start: 162 @26643 has 16 MA's), (Start: 171 @26634 has 113 MA's), (250, 26472), (277, 26406), (286, 26388), (325, 26313), (335, 26289), (351, 26250), (353, 26247), (380, 26160), (421, 26046), (425, 26034), (513, 25851), (573, 25740), (595, 25689), (682, 25560), (687, 25551), (721, 25476), (724, 25470), (781, 25347), (796, 25308), (878, 25158), (886, 25143),

Gene: Yogi_29 Start: 23610, Stop: 22114, Start Num: 145
Candidate Starts for Yogi_29:
(Start: 145 @23610 has 32 MA's), (Start: 177 @23589 has 227 MA's), (Start: 181 @23583 has 3 MA's), (Start: 241 @23454 has 1 MA's), (277, 23406), (321, 23319), (363, 23214), (397, 23103), (423, 23043), (426, 23031), (471, 22938), (495, 22905), (508, 22884), (523, 22854), (531, 22839), (536, 22833), (558, 22785), (595, 22695), (624, 22656), (627, 22650), (693, 22554), (709, 22521), (718, 22500), (721, 22491), (796, 22329),

Gene: Yoncess_29 Start: 23611, Stop: 22115, Start Num: 145
Candidate Starts for Yoncess_29:
(Start: 145 @23611 has 32 MA's), (Start: 177 @23590 has 227 MA's), (Start: 181 @23584 has 3 MA's), (Start: 241 @23455 has 1 MA's), (277, 23407), (321, 23320), (363, 23215), (397, 23104), (423, 23044), (426, 23032), (449, 22969), (471, 22939), (495, 22906), (508, 22885), (523, 22855), (536, 22834), (557, 22789), (558, 22786), (560, 22780), (595, 22696), (624, 22657), (627, 22651), (709, 22522), (718, 22501), (721, 22492), (796, 22330),

Gene: Yosif_54 Start: 37465, Stop: 39051, Start Num: 105
Candidate Starts for Yosif_54:
(54, 37357), (Start: 82 @37429 has 1 MA's), (99, 37456), (Start: 105 @37465 has 4 MA's), (199, 37606), (213, 37639), (277, 37750), (288, 37774), (313, 37822), (321, 37840), (337, 37882), (Start: 360 @37951 has 1 MA's), (372, 37996), (400, 38074), (434, 38158), (439, 38176), (467, 38239), (475, 38251), (506, 38302), (574, 38452), (611, 38527), (636, 38575), (652, 38605), (663, 38623), (666, 38629), (712, 38728), (739, 38794), (774, 38863), (811, 38941), (828, 38986),

Gene: Zainub_54 Start: 37669, Stop: 39099, Start Num: 149
Candidate Starts for Zainub_54:
(Start: 118 @37618 has 3 MA's), (Start: 149 @37669 has 5 MA's), (Start: 157 @37678 has 10 MA's), (277, 37888), (Start: 297 @37915 has 1 MA's), (Start: 360 @38053 has 1 MA's), (402, 38182), (429, 38230), (479, 38332), (483, 38341), (488, 38350), (506, 38377), (515, 38398), (517, 38401), (533, 38440), (541, 38455), (609, 38599), (659, 38683), (720, 38800), (738, 38836), (781, 38926), (784, 38935), (810, 38992), (833, 39040), (838, 39049), (861, 39088),

Gene: ZamZam_52 Start: 36968, Stop: 38557, Start Num: 142
Candidate Starts for ZamZam_52:
(22, 36689), (Start: 96 @36902 has 7 MA's), (Start: 142 @36968 has 24 MA's), (201, 37058), (218, 37094), (254, 37178), (255, 37184), (269, 37211), (290, 37274), (303, 37307), (313, 37328), (321, 37346), (355, 37427), (356, 37430), (357, 37433), (434, 37652), (449, 37694), (450, 37697), (458, 37715), (502, 37766), (521, 37790), (536, 37808), (602, 37952), (604, 37955), (606, 37958), (624, 37982), (693, 38081), (716, 38126), (717, 38132), (746, 38210), (830, 38390), (834, 38399), (847, 38420), (854, 38438), (868, 38462), (877, 38477), (895, 38507),

Gene: Zeeculate_37 Start: 30186, Stop: 31673, Start Num: 186
Candidate Starts for Zeeculate_37:
(Start: 103 @30090 has 30 MA's), (Start: 107 @30096 has 3 MA's), (Start: 117 @30102 has 12 MA's), (Start: 119 @30105 has 11 MA's), (Start: 126 @30120 has 4 MA's), (Start: 177 @30171 has 227 MA's), (Start: 186 @30186 has 10 MA's), (Start: 295 @30390 has 1 MA's), (Start: 297 @30396 has 1 MA's), (356, 30534), (Start: 360 @30546 has 1 MA's), (363, 30555), (365, 30564), (399, 30672), (410, 30693), (417, 30705), (425, 30729), (438, 30771), (510, 30885), (516, 30900), (551, 30960), (563, 30993), (574, 31017), (588, 31044), (602, 31071), (610, 31086), (664, 31155), (685, 31188), (689, 31194), (703, 31227), (738, 31308), (743, 31323), (793, 31428), (847, 31542), (906, 31641), (917, 31665),

Gene: Zemlya_51 Start: 35100, Stop: 36743, Start Num: 96
Candidate Starts for Zemlya_51:
(Start: 96 @35100 has 7 MA's), (Start: 142 @35166 has 24 MA's), (218, 35286), (255, 35376), (269, 35403), (285, 35454), (319, 35535), (321, 35538), (353, 35610), (355, 35619), (356, 35622), (406, 35775), (430, 35832), (432, 35835), (434, 35844), (442, 35868), (492, 35937), (571, 36072), (602, 36138), (624, 36168), (693, 36267), (703, 36291), (709, 36300), (719, 36324), (746, 36396), (834, 36585), (850, 36615), (854, 36624), (868, 36648), (877, 36663), (885, 36678),

Gene: Zephyr_38 Start: 29921, Stop: 31423, Start Num: 177
Candidate Starts for Zephyr_38:
(Start: 103 @29840 has 30 MA's), (Start: 107 @29846 has 3 MA's), (Start: 117 @29852 has 12 MA's), (Start: 119 @29855 has 11 MA's), (Start: 126 @29870 has 4 MA's), (Start: 177 @29921 has 227 MA's), (Start: 183 @29930 has 17 MA's), (Start: 295 @30140 has 1 MA's), (Start: 297 @30146 has 1 MA's), (303, 30158), (Start: 360 @30296 has 1 MA's), (363, 30305), (365, 30314), (366, 30320), (395, 30410), (399, 30422), (410, 30443), (417, 30455), (425, 30479), (438, 30521), (516, 30650), (551, 30710), (574, 30767), (602, 30821), (604, 30824), (610, 30836), (685, 30938), (689, 30944), (703, 30977), (738, 31058), (743, 31073), (847, 31292), (906, 31391), (917, 31415),

Gene: Zeta1847_52 Start: 36962, Stop: 38524, Start Num: 132
Candidate Starts for Zeta1847_52:
(Start: 132 @36962 has 1 MA's), (147, 36986), (Start: 154 @36992 has 5 MA's), (Start: 183 @37022 has 17 MA's), (282, 37193), (298, 37226), (365, 37394), (390, 37469), (408, 37523), (410, 37529), (538, 37790), (571, 37856), (621, 37946), (725, 38147), (819, 38342), (891, 38483),

Gene: Zeuska_38 Start: 30100, Stop: 31602, Start Num: 177
Candidate Starts for Zeuska_38:
(Start: 95 @30010 has 1 MA's), (Start: 103 @30019 has 30 MA's), (Start: 107 @30025 has 3 MA's), (Start: 117 @30031 has 12 MA's), (Start: 119 @30034 has 11 MA's), (Start: 126 @30049 has 4 MA's), (Start: 177 @30100 has 227 MA's), (Start: 186 @30115 has 10 MA's), (Start: 295 @30319 has 1 MA's), (Start: 297 @30325 has 1 MA's), (Start: 360 @30475 has 1 MA's), (363, 30484), (365, 30493), (399, 30601), (410, 30622), (417, 30634), (425, 30658), (438, 30700), (516, 30829), (551, 30889), (574, 30946), (588, 30973), (594, 30988), (595, 30991), (602, 31000), (604, 31003), (610, 31015), (689, 31123), (703, 31156), (738, 31237), (743, 31252), (847, 31471), (906, 31570), (917, 31594),

Gene: ZiggyZoo_38 Start: 30330, Stop: 31721, Start Num: 179
Candidate Starts for ZiggyZoo_38:
(120, 30252), (Start: 136 @30282 has 1 MA's), (Start: 149 @30300 has 5 MA's), (Start: 179 @30330 has 38 MA's), (235, 30450), (Start: 295 @30543 has 1 MA's), (326, 30609), (366, 30720), (378, 30753), (395, 30807), (438, 30924), (481, 31002), (568, 31179), (578, 31206), (594, 31221), (641, 31287), (643, 31290), (654, 31311), (657, 31314), (662, 31323), (663, 31326), (702, 31404), (729, 31461), (743, 31497), (758, 31530), (764, 31539), (776, 31557), (800, 31608), (810, 31629), (833, 31683),

Gene: Zolita_29 Start: 26039, Stop: 24546, Start Num: 177
Candidate Starts for Zolita_29:
(Start: 177 @26039 has 227 MA's), (Start: 192 @26006 has 1 MA's), (Start: 193 @26003 has 3 MA's), (Start: 206 @25985 has 9 MA's), (Start: 241 @25904 has 1 MA's), (315, 25784), (326, 25760), (340, 25733), (356, 25685), (410, 25520), (421, 25496), (423, 25493), (430, 25472), (450, 25415), (536, 25283), (602, 25142), (624, 25112), (698, 24977), (717, 24935), (721, 24923), (754, 24839), (763, 24824), (777, 24809), (859, 24632), (887, 24602),

Gene: phiBT1_int Start: 38804, Stop: 40588, Start Num: 180
Candidate Starts for phiBT1_int:
(78, 38654), (Start: 107 @38699 has 3 MA's), (122, 38723), (Start: 169 @38786 has 1 MA's), (180, 38804), (217, 38906), (230, 38942), (Start: 241 @38984 has 1 MA's), (252, 38999), (266, 39032), (277, 39056), (279, 39059), (298, 39098), (328, 39161), (333, 39176), (340, 39185), (394, 39359), (397, 39368), (403, 39392), (425, 39452), (428, 39461), (434, 39476), (451, 39533), (492, 39611), (526, 39680), (616, 39896), (643, 39953), (660, 39983), (678, 40028), (690, 40055), (721, 40130), (738, 40172), (778, 40259), (803, 40322), (837, 40406), (860, 40451), (892, 40508),

Gene: phiCAM_49 Start: 38659, Stop: 40071, Start Num: 161

Candidate Starts for phiCAM_49:
(Start: 161 @38659 has 1 MA's), (Start: 206 @38737 has 9 MA's), (298, 38902), (340, 38980), (387, 39112), (492, 39319), (527, 39391), (569, 39478), (587, 39517), (644, 39613), (698, 39709), (702, 39721), (707, 39730), (738, 39793), (760, 39847), (815, 39958), (853, 40036), (869, 40063),