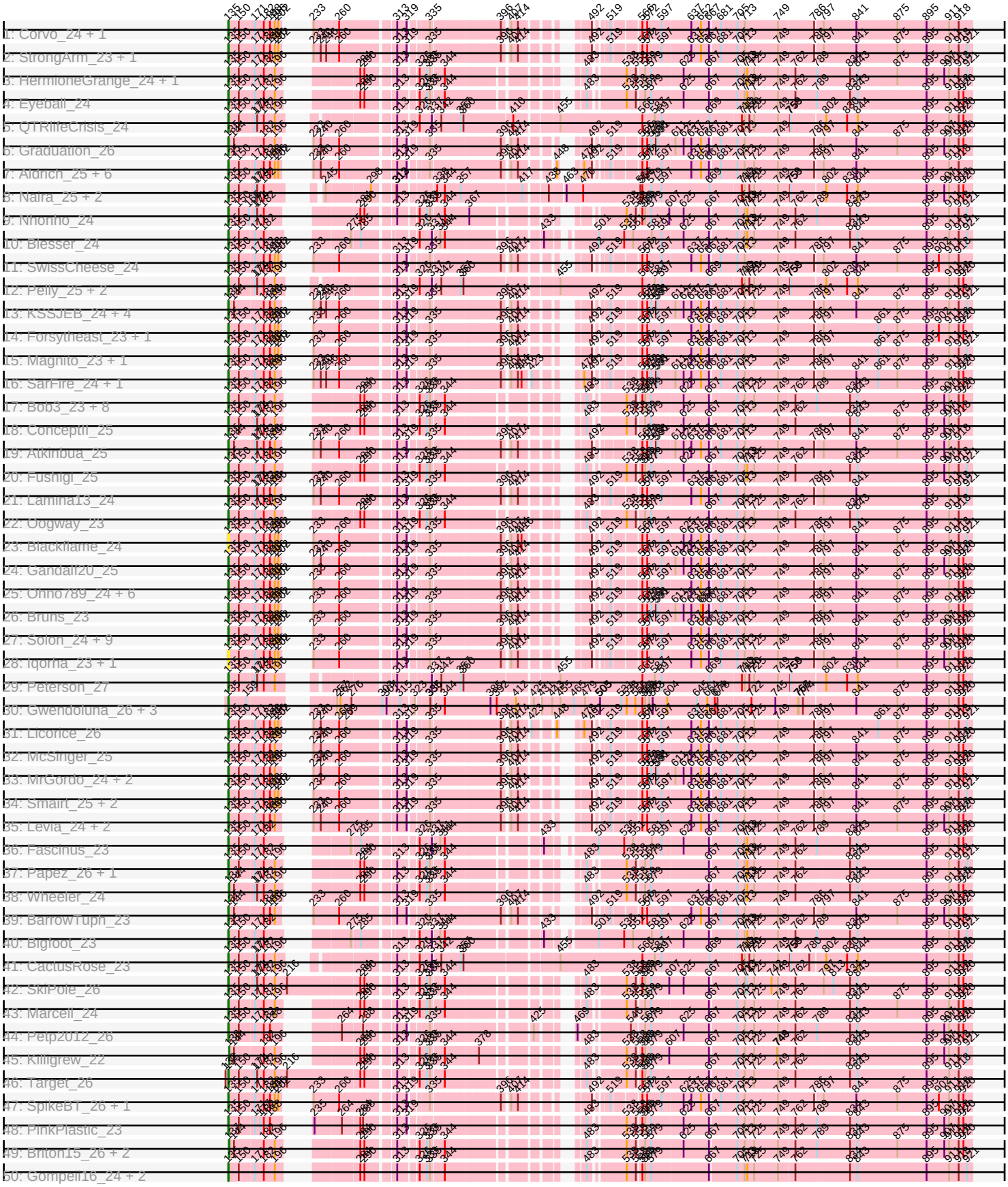
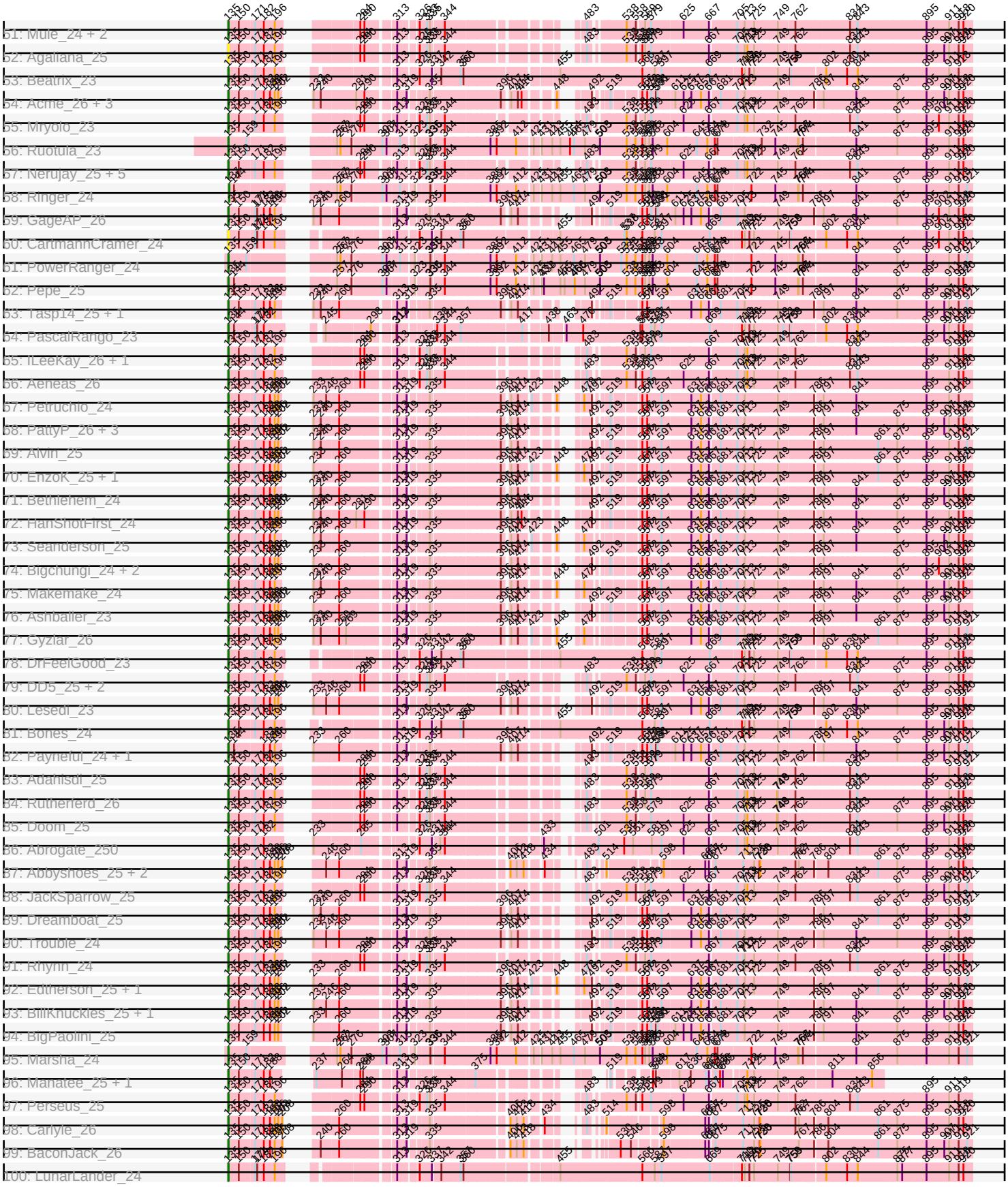
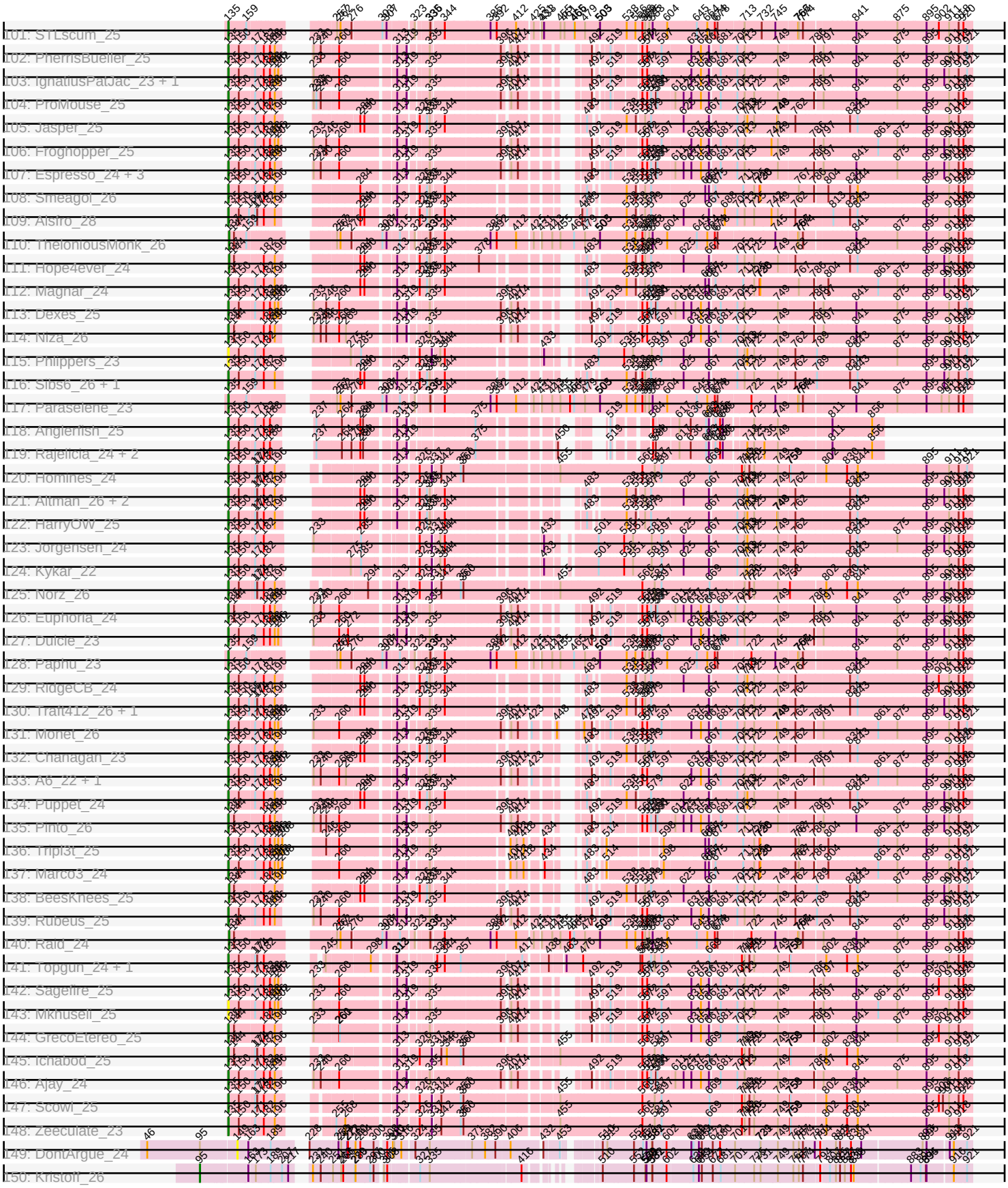
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1: Corvo_24 + 1
2: StrongArm_23 + 1
3: HermioneGrange_24 + 1
4: Eyeball_24
5: QTRifleCrisis_24
6: Graduation_26
7: Aldrich_25 + 6
8: Naira_25 + 2
9: Nhonho_24
10: Blesser_24
11: SwissCheese_24
12: Pelly_25 + 2
13: KSSJEB_24 + 4
14: Forsytheast_23 + 1
15: Magnito_23 + 1
16: SarFire_24 + 1
17: Bob3_23 + 8
18: Conceptii_25
19: Atkinbua_25
20: Fushigi_25
21: Lamina13_24
22: Oogway_23
23: Blackflame_24
24: Gandalf20_25
25: Ohno789_24 + 6
26: Bruns_23
27: Solon_24 + 9
28: Iqoma_23 + 1
29: Peterson_27
30: Gwendoluna_26 + 3
31: Licorice_26
32: McSinger_25
33: MrGordo_24 + 2
34: Smairt_25 + 2
35: Levia_24 + 2
36: Fascinus_23
37: Papez_26 + 1
38: Wheeler_24
39: BarrowTuph_23
40: Bigfoot_23
41: CactusRose_23
42: SkiPole_26
43: Marcell_24
44: Petp2012_26
45: Killigrew_22
46: Target_26
47: SpikeBT_26 + 1
48: PinkPlastic_23
49: Britton15_26 + 2
50: Gompeii16_24 + 2

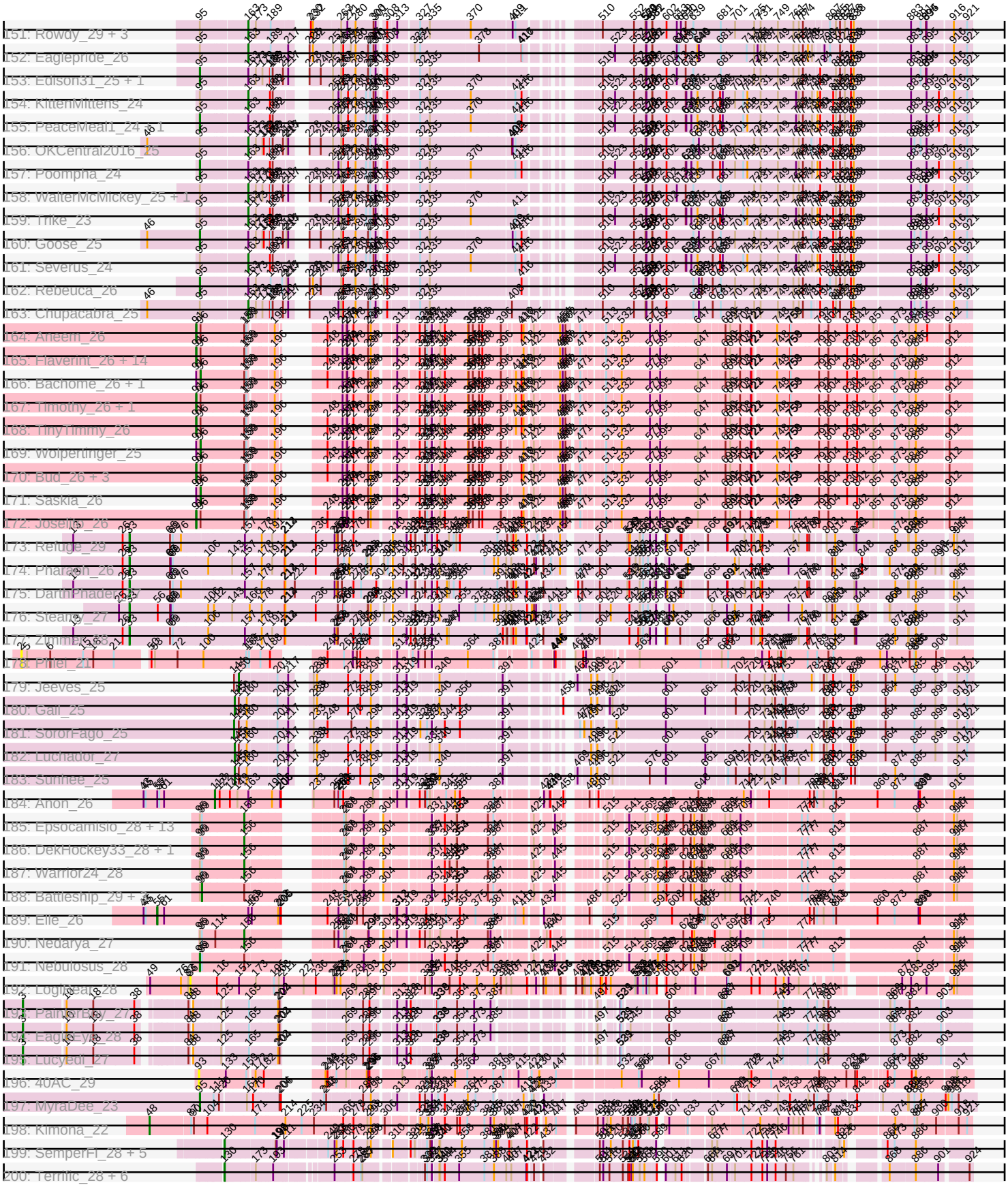
Pham 345189


51: Mule_24 + 2
52: Agallana_25
53: Beatrix_23
54: Acme_26 + 3
55: Mryolo_23
56: Ruotula_23
57: Nerujay_25 + 5
58: Ringer_24
59: GageAP_26
60: CartmannCramer_24
61: PowerRanger_24
62: Pepe_25
63: Tasp14_25 + 1
64: PascalRango_23
65: ILeeKay_26 + 1
66: Aeneas_26
67: Petruchio_24
68: PattyP_26 + 3
69: Alvin_25
70: EnzoK_25 + 1
71: Bethlehem_24
72: HanShotFirst_24
73: Seanderson_25
74: Bigchungi_24 + 2
75: Makemake_24
76: Ashballer_23
77: Gyziar_26
78: DrFeelGood_23
79: DD5_25 + 2
80: Lesedi_23
81: Bones_24
82: Payneiui_24 + 1
83: Adanisdi_25
84: Rutherferd_26
85: Doom_25
86: Abrogate_250
87: Abbyshoes_25 + 2
88: JackSparrow_25
89: Dreamboat_25
90: Trouble_24
91: Rhynn_24
92: Edtherson_25 + 1
93: BillKnuckles_25 + 1
94: BigPaolini_25
95: Marsha_24
96: Manatee_25 + 1
97: Perseus_25
98: Carlyle_26
99: BaconJack_26
100: LunarLander_24

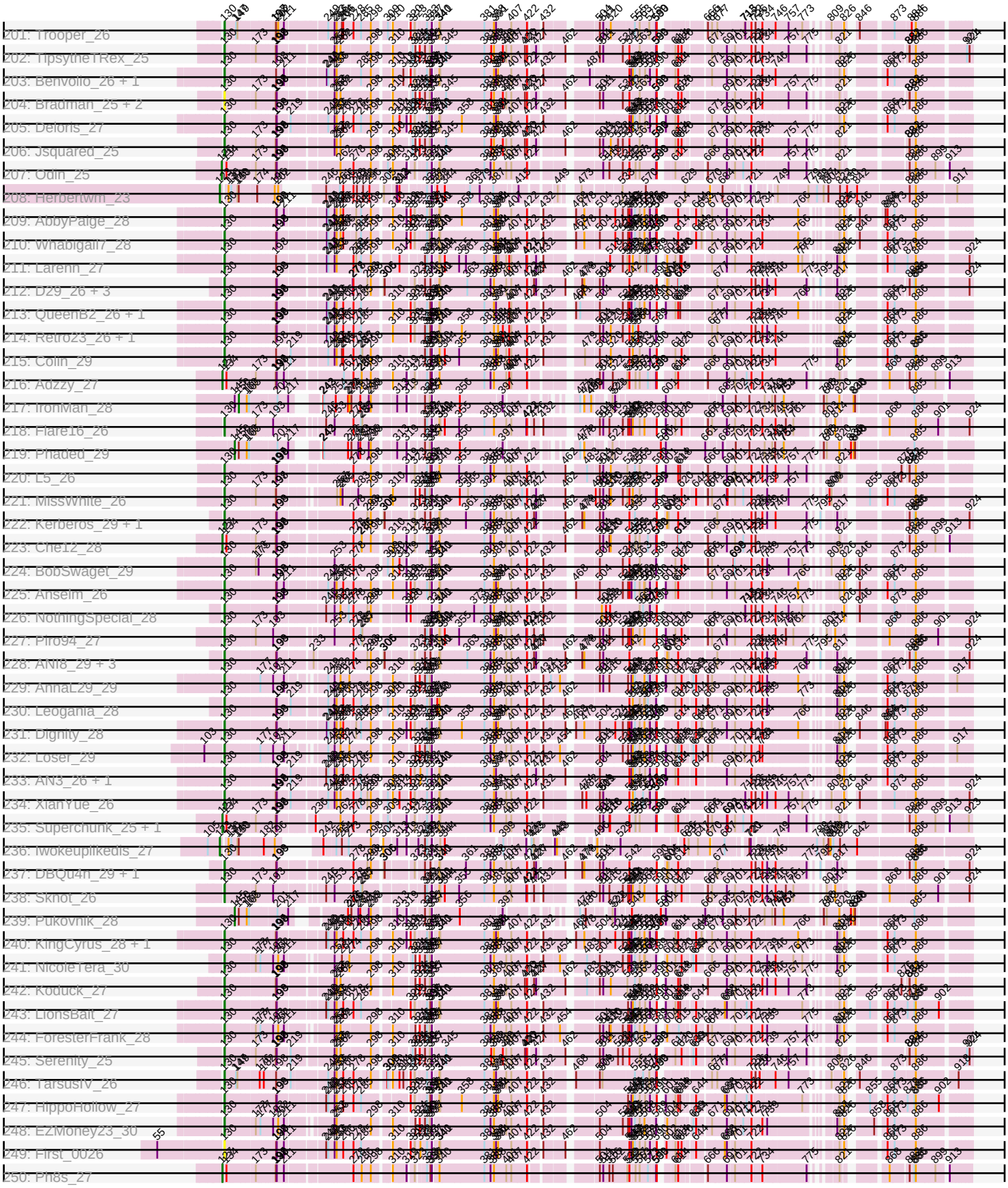
Pham 345189



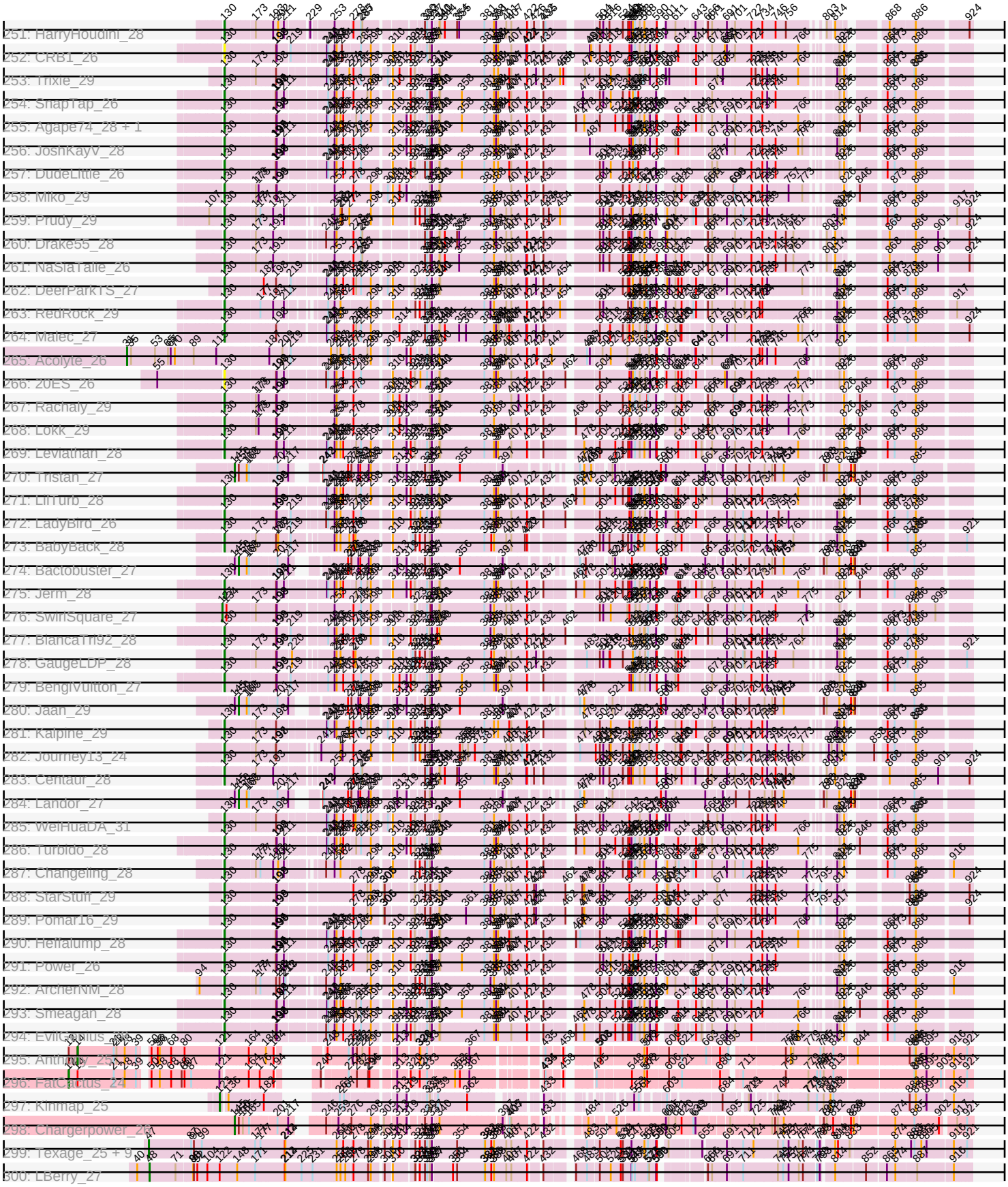
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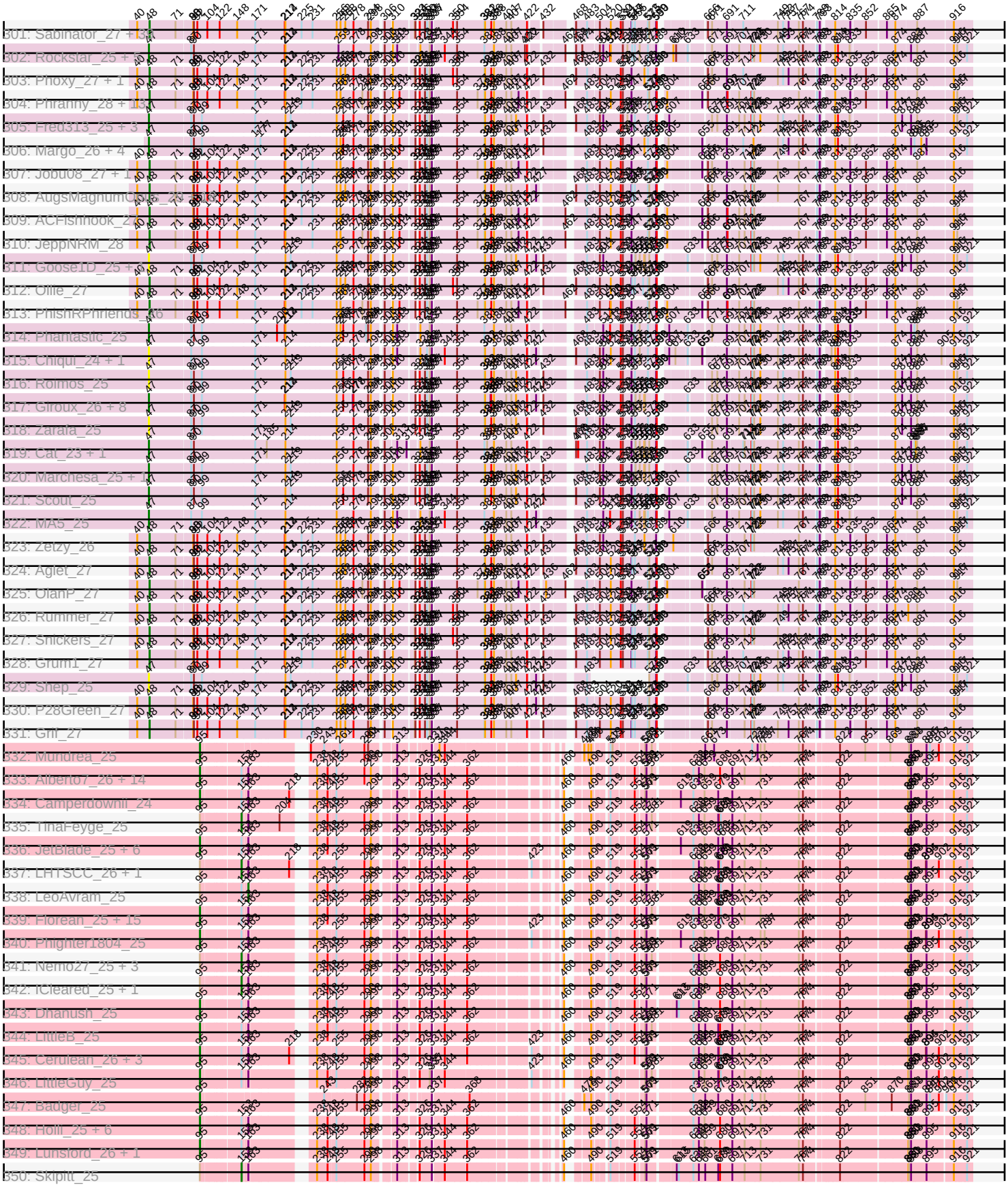
Pham 345189


201: Trooper_26
202: TipsytheTRex_25
203: Benvolio_26 + 1
204: Bradman_25 + 2
205: Deloris_27
206: Jsquared_25
207: Odin_25
208: Herbertwm_23
209: AbbyPaige_28
210: Whabigail7_28
211: Larenn_27
212: D29_26 + 3
213: QueenB2_26 + 1
214: Retro23_26 + 1
215: Colin_29
216: Adzzy_27
217: IronMan_28
218: Flare16_26
219: Phaded_29
220: L5_26
221: MissWhite_26
222: Kerberos_29 + 1
223: Che12_28
224: BobSwaget_29
225: Anselm_26
226: NothingSpecial_28
227: Piro94_27
228: ANI8_29 + 3
229: AnnaL29_29
230: Leogania_28
231: Dignity_28
232: Loser_29
233: AN3_26 + 1
234: XianYue_26
235: Superchunk_25 + 1
236: Iwokeuplikedis_27
237: DBQu4n_29 + 1
238: Sknot_26
239: Pukovnik_28
240: KingCyrus_28 + 1
241: NicoleTera_30
242: Koduck_27
243: LionsBait_27
244: ForesterFrank_28
245: Serenity_25
246: Tarsusiv_26
247: HippoHollow_27
248: EZMoney23_30
249: First_0026
250: Ph8s_27

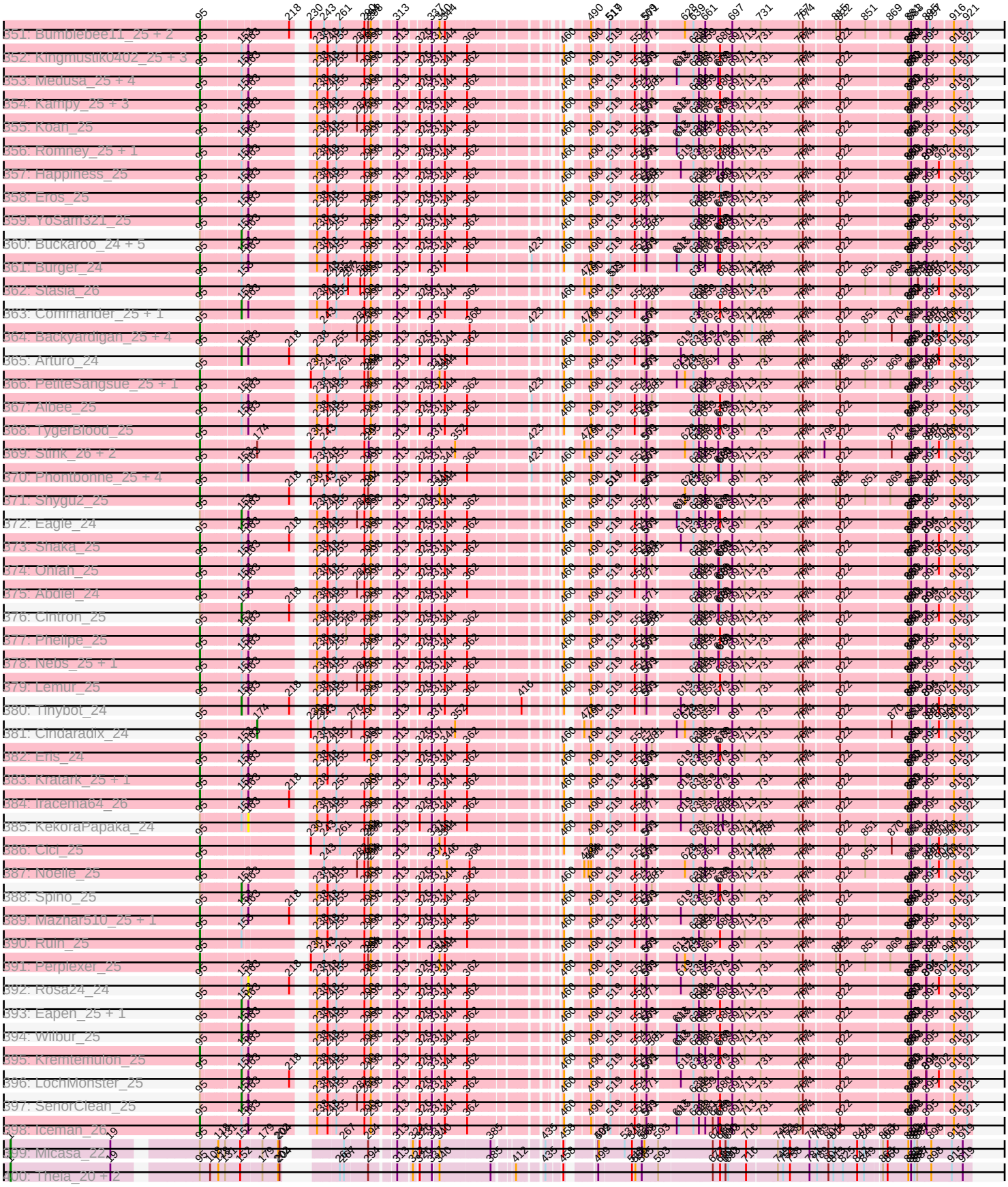
Pham 345189


251: HarryHoudini_28
252: CRB1_26
253: Trixie_29
254: SnapTap_26
255: Agape74_28 + 1
256: JoshKayV_28
257: DudeLittle_26
258: Miko_29
259: Prudy_29
260: Drake55_28
261: NaStaTalle_26
262: DeerParkTS_27
263: RedRock_29
264: Malec_27
265: Acolyte_26
266: 20ES_26
267: Rachaly_29
268: Lokk_29
269: Leviathan_28
270: Tristan_27
271: LilTurb_28
272: LadyBird_26
273: BabyBack_28
274: Bactobuster_27
275: Jerm_28
276: SwimSquare_27
277: BiancaTM92_28
278: GaugeLDP_28
279: BengiVuitton_27
280: Jaan_29
281: Kalpine_29
282: Journey13_24
283: Centaur_28
284: Landor_27
285: WeiHuaDA_31
286: Turbido_28
287: Changeling_28
288: StarStuff_29
289: Pomar16_29
290: Hellalump_28
291: Power_26
292: ArcherNM_28
293: Smeagan_28
294: EvilCornelius_28
295: Anthony_25
296: FatCactus_24
297: Kimmap_25
298: Chargerpower_26
299: Texage_25 + 9
300: LBerry_27

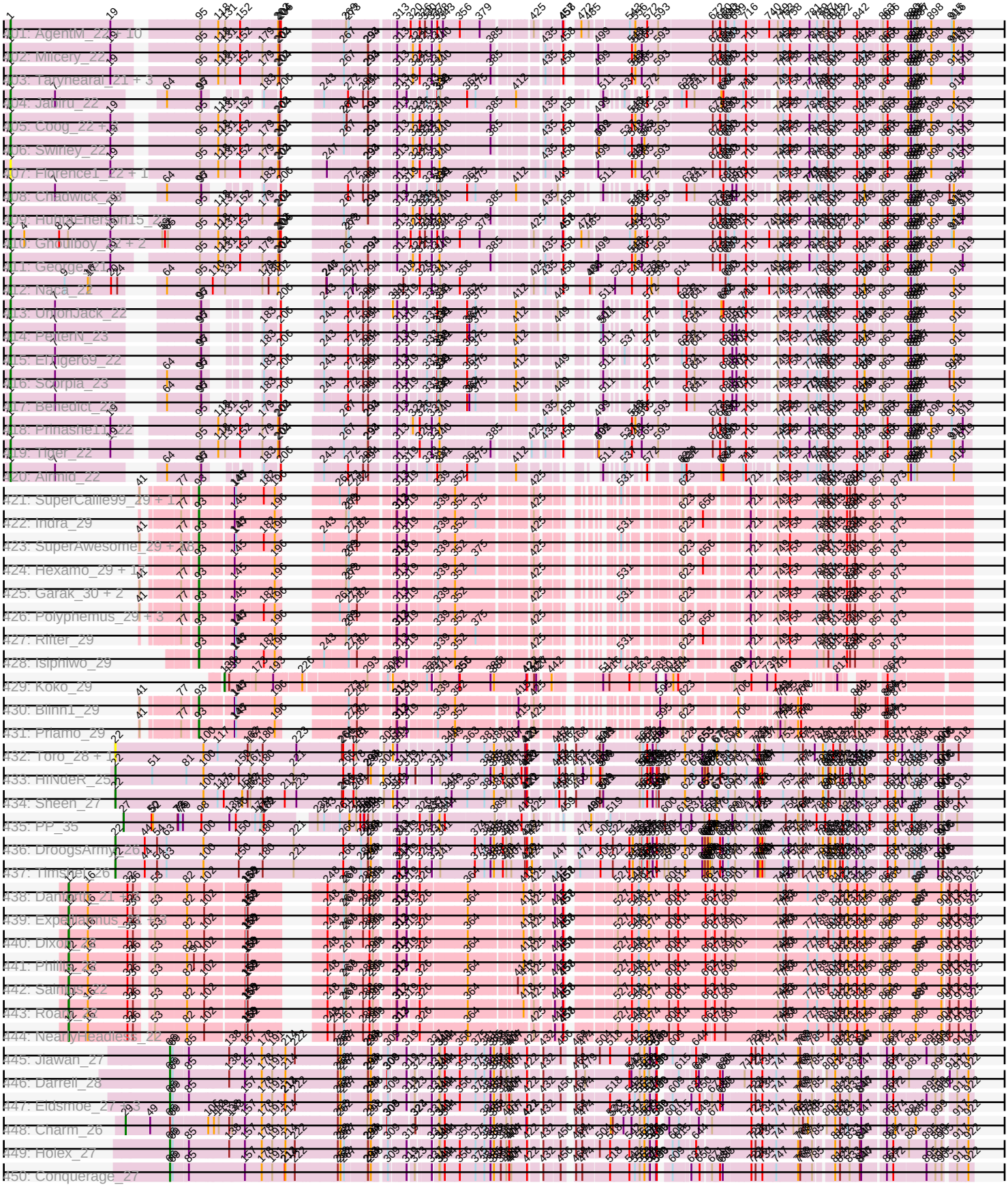
Pham 345189



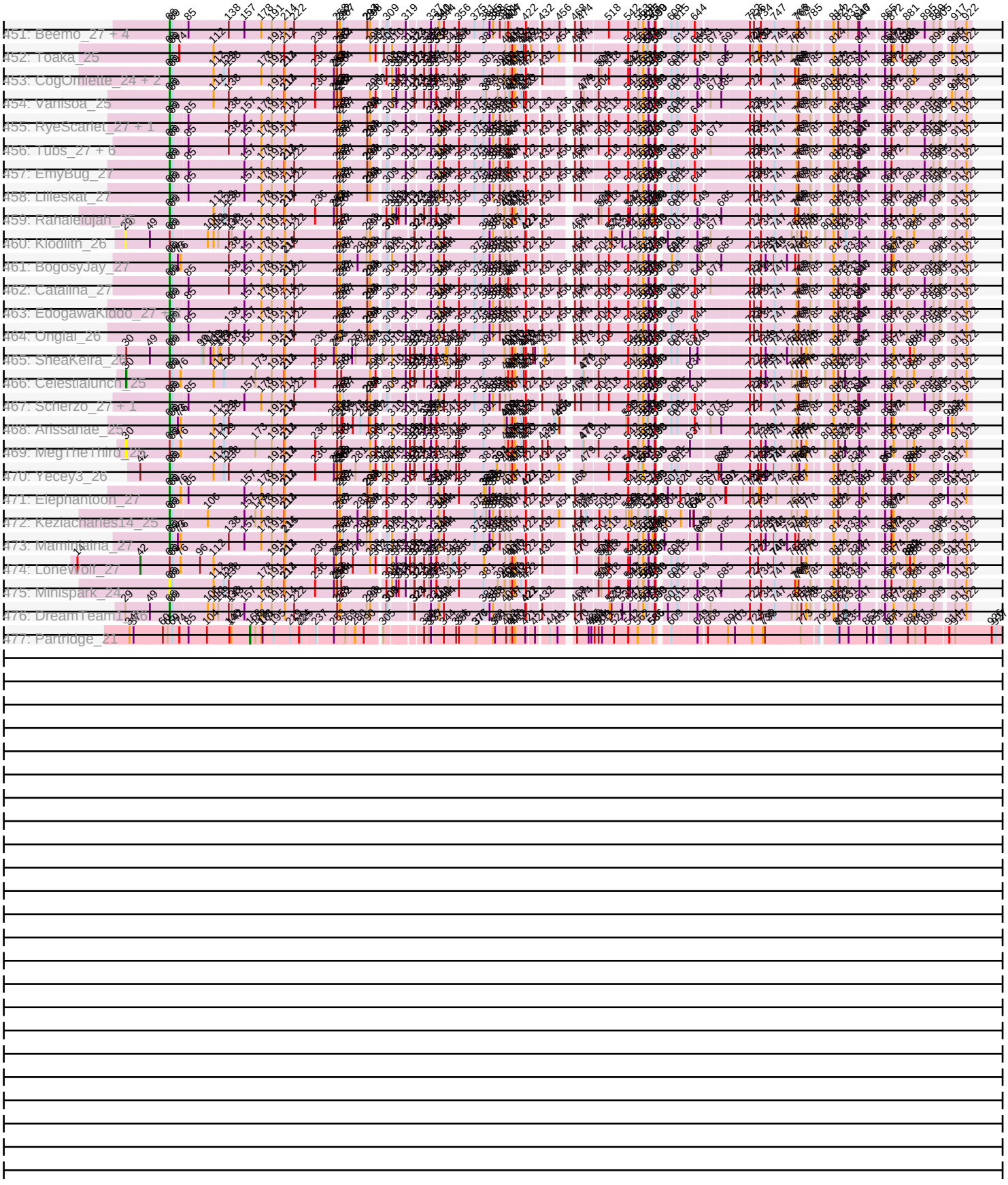
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451: Beemo_27 + 4
452: Toaka_25
453: CogOmlette_24 + 2
454: Vanisoa_25
455: RyeScarlet_27 + 1
456: Tubs_27 + 6
457: EmyBug_27
458: Lilleskat_27
459: Rahalelujah_25
460: Kloolith_26
461: BogosyJay_27
462: Catalina_27
463: EdogawaKiddo_27 + 2
464: Onglai_26
465: SheaKeira_26
466: Celestialunch_25
467: Scherzo_27 + 1
468: Anissanae_25
469: MegTheThird_26
470: Yecey3_26
471: Elephantoon_27
472: Keziachanles14_25
473: Mamiipalina_27
474: LoneWolf_27
475: Minispark_24
476: DreamTeam1_26
477: Partridge_21

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 345189 Report

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

Pham number 345189 has 919 members, 59 are drafts.

Phages represented in each track:
• Track 1 : Corvo_24, Snazzy_22
• Track 2 : StrongArm_23, Bexan_23
• Track 3 : HermioneGrange_24, TwoPeat_25
• Track 4 : Eyeball_24
• Track 5 : QTRlifeCrisis_24
• Track 6 : Graduation_26
• Track 7 : Aldrich_25, GroundGoblin_25, DirtDevil_25, Noxious_26, Hermia_26, CatBus_25, KikiBouba_26
• Track 8 : Naira_25, Fenn_25, Squee_25
• Track 9 : Nhonho_24
• Track 10 : Blesser_24
• Track 11 : SwissCheese_24
• Track 12 : Pelly_25, Marge_25, AFIS_24
• Track 13 : KSSJEB_24, DreamCatcher_27, Switzer_25, Seabiscuit_26, U2_24
• Track 14 : Forsytheast_23, Moose_23
• Track 15 : Magnito_23, Turj99_23
• Track 16 : SarFire_24, Thor_24
• Track 17 : Bob3_23, Molly_25, MPlant7149_23, NEHalo_24, Jerm2_25, BigMau_26, Zephyr_24, Lopton_25, Rohr_25
• Track 18 : ConceptII_25
• Track 19 : Atkinbua_25
• Track 20 : Fushigi_25
• Track 21 : Lamina13_24
• Track 22 : Oogway_23
• Track 23 : Blackflame_24
• Track 24 : Gandalf20_25
• Track 25 : Ohno789_24, Gachnar_24, MetalQZJ_24, MaryBeth_24, Teodoridan_22, Hami1_26, Whitspit_25
• Track 26 : Bruns_23
• Track 27 : Solon_24, Pita2_26, Rufus_25, BPBiebs31_25, PSullivan_26, Tote_26, JuliaChild_26, Ciao_24, Swole_26, Sanya_24
• Track 28 : Iqorha_23, Inyanga_23
• Track 29 : Peterson_27
• Track 30 : Gwendoluna_26, MilleFeuille_23, Blue_24, LilBib_25
• Track 31 : Licorice_26
• Track 32 : McSinger_25
• Track 33 : MrGordo_24, Barriga_24, Big3_24

• Track 34 : Smairt_25, Violet_23, Maroc7_23
• Track 35 : Levia_24, StewieG_23, PhineBark_23
• Track 36 : Fascinus_23
• Track 37 : Papez_26, Francis47_24
• Track 38 : Wheeler_24
• Track 39 : BarrowTuph_23
• Track 40 : Bigfoot_23
• Track 41 : CactusRose_23
• Track 42 : SkiPole_26
• Track 43 : Marcell_24
• Track 44 : Petp2012_26
• Track 45 : Killigrew_22
• Track 46 : Target_26
• Track 47 : SpikeBT_26, ShortQueendom_24
• Track 48 : PinkPlastic_23
• Track 49 : Briton15_26, Dynamix_25, McGuire_25
• Track 50 : Gompeii16_24, ChristmasHams_25, Bircsak_24
• Track 51 : Mule_24, Crispicous1_23, PhrostyMug_24
• Track 52 : Agaliana_25
• Track 53 : Beatrix_23
• Track 54 : Acme_26, Greg_26, Pippin_26, Fajezeel_26
• Track 55 : Mryolo_23
• Track 56 : Ruotula_23
• Track 57 : Nerujay_25, Zeuska_25, Applejack_24, KyMonks1A_26, Kugel_25, Sunshine924_23
• Track 58 : Ringer_24
• Track 59 : GageAP_26
• Track 60 : CartmannCramer_24
• Track 61 : PowerRanger_24
• Track 62 : Pepe_25
• Track 63 : Tasp14_25, Parliament_23
• Track 64 : PascalRango_23
• Track 65 : ILeeKay_26, Sumter_23
• Track 66 : Aeneas_26
• Track 67 : Petruchio_24
• Track 68 : PattyP_26, Burton_25, Slagathor_25, Museum_26
• Track 69 : Alvin_25
• Track 70 : EnzoK_25, Buttons_25
• Track 71 : Bethlehem_24
• Track 72 : HanShotFirst_24
• Track 73 : Seanderson_25
• Track 74 : Bigchungi_24, Sorpresa_24, Sandaddy_23
• Track 75 : Makemake_24
• Track 76 : Ashballer_23
• Track 77 : Gyzlar_26
• Track 78 : DrFeelGood_23
• Track 79 : DD5_25, Lockley_24, Watermelon_26
• Track 80 : Lesedi_23
• Track 81 : Bones_24
• Track 82 : Payneful_24, Marchy_23
• Track 83 : Adahisdi_25
• Track 84 : Rutherferd_26
• Track 85 : Doom_25

• Track 86 : Abrogate_250
• Track 87 : Abbyshoes_25, Dussy_25, Kenmech_27
• Track 88 : JackSparrow_25
• Track 89 : Dreamboat_25
• Track 90 : Trouble_24
• Track 91 : Rhynn_24
• Track 92 : Edtherson_25, Treddle_26
• Track 93 : BillKnuckles_25, Bxb1_22
• Track 94 : BigPaolini_25
• Track 95 : Marsha_24
• Track 96 : Manatee_25, Pari_25
• Track 97 : Perseus_25
• Track 98 : Carlyle_26
• Track 99 : BaconJack_26
• Track 100 : LunarLander_24
• Track 101 : STLscum_25
• Track 102 : PherrisBueller_25
• Track 103 : IgnatiusPatJac_23, BluSpix_24
• Track 104 : ProMouse_25
• Track 105 : Jasper_25
• Track 106 : Froghopper_25
• Track 107 : Espresso_24, Michley_24, KBG_25, PacerPaul_24
• Track 108 : Smeagol_26
• Track 109 : Alsfro_28
• Track 110 : ThelonIousMonk_26
• Track 111 : Hope4ever_24
• Track 112 : Magnar_24
• Track 113 : Dexes_25
• Track 114 : Niza_26
• Track 115 : Phlippers_23
• Track 116 : Sibs6_26, Arlo_23
• Track 117 : Paraselene_23
• Track 118 : Anglerfish_25
• Track 119 : Rajelicia_24, Arcanine_25, GMonster_23
• Track 120 : Homines_24
• Track 121 : Altman_26, Kanely_25, Cueylyss_24
• Track 122 : HarryOW_25
• Track 123 : Jorgensen_24
• Track 124 : Kykar_22
• Track 125 : Norz_26
• Track 126 : Euphoria_24
• Track 127 : Dulcie_23
• Track 128 : Paphu_23
• Track 129 : RidgeCB_24
• Track 130 : Traft412_26, JC27_26
• Track 131 : Monet_26
• Track 132 : Chanagan_23
• Track 133 : A6_22, BK1_22
• Track 134 : Puppet_24
• Track 135 : Pinto_26
• Track 136 : Tripl3t_25
• Track 137 : Marco3_24
• Track 138 : BeesKnees_25

• Track 139 : Rubeus_25
• Track 140 : Raid_24
• Track 141 : Topgun_24, Wilkins_24
• Track 142 : Sagefire_25
• Track 143 : Mkhuseli_25
• Track 144 : GrecoEtereo_25
• Track 145 : Ichabod_25
• Track 146 : Ajay_24
• Track 147 : Scowl_25
• Track 148 : Zeeculate_23
• Track 149 : DontArgue_24
• Track 150 : Kristoff_26
• Track 151 : Rowdy_29, RhynO_26, DustyMartin_29, Shapes_29
• Track 152 : Eaglepride_26
• Track 153 : Edison31_25, Twister_25
• Track 154 : KittenMittens_24
• Track 155 : PeaceMeal1_24, Drake94_24
• Track 156 : OKCentral2016_25
• Track 157 : Poompha_24
• Track 158 : WalterMcMickey_25, Topanga_25
• Track 159 : Trike_23
• Track 160 : Goose_25
• Track 161 : Severus_24
• Track 162 : Rebeuca_26
• Track 163 : Chupacabra_25
• Track 164 : Aneem_26
• Track 165 : Flaverint_26, Salz_26, Hutc2_26, Orange_26, Jabith_26, Insomnia_26, Gilberta_26, Bowtie_26, Mabel_26, Mulciber_26, Sham4_26, Petersenfast_26, Lucivia_26, Kimba_26, MaCh_26
• Track 166 : Bachome_26, Ebony_26
• Track 167 : Timothy_26, Fibonacci_26
• Track 168 : TinyTimmy_26
• Track 169 : Wolpertinger_25
• Track 170 : Bud_26, Et2Brutus_25, Snape_26, Munch_26
• Track 171 : Saskia_26
• Track 172 : Joselito_26
• Track 173 : Refuge_29
• Track 174 : Pharaoh_26
• Track 175 : DarthPhader_27
• Track 176 : Steamy_27
• Track 177 : Zimmer_28
• Track 178 : Phlei_21
• Track 179 : Jeeves_25
• Track 180 : Gail_25
• Track 181 : SororFago_25
• Track 182 : Luchador_27
• Track 183 : Sunhee_25
• Track 184 : Anon_26
• Track 185 : Epsocamisio_28, Strosahl_28, Boohoo_28, Oofda_28, ReMo_28, Looper_29, Remus_28, Rosalind_28, Soups_28, Waits_28, ShayRa_29, Ravana_28, Switzerland_28, LastResort_28
• Track 186 : DekHockey33_28, KatherineG_28
• Track 187 : Warrior24_28

• Track 188 : Battleship_29, JSwag_28, MinecraftSteve_29, Anaysia_28
• Track 189 : Elle_26
• Track 190 : Nedarya_27
• Track 191 : Nebulosus_28
• Track 192 : LogiBear_28
• Track 193 : PainterBoy_27
• Track 194 : EagleEye_28
• Track 195 : Lucyedi_27
• Track 196 : 40AC_29
• Track 197 : MyraDee_23
• Track 198 : Kimona_22
• Track 199 : SemperFi_28, QueenBeesly_26, Georgie2_27, SweetiePie_26, Crucio_26, FiringLine_26
• Track 200 : Terrific_28, Equemioh13_28, Baehexic_27, Gratitude_28, Updawg_28, MiculUcigas_26, WideWale_28
• Track 201 : Trooper_26
• Track 202 : TipsytheTRex_25
• Track 203 : Benvolio_26, Echild_26
• Track 204 : Bradman_25, MajorMajor_25, Quokka_24
• Track 205 : Deloris_27
• Track 206 : Jsquared_25
• Track 207 : Odin_25
• Track 208 : Herbertwm_23
• Track 209 : AbbyPaige_28
• Track 210 : Whabigail7_28
• Track 211 : Larenn_27
• Track 212 : D29_26, D32_29, Naji_29, Travvers_29
• Track 213 : QueenB2_26, Fameo_26
• Track 214 : Retro23_26, Dalmatian_26
• Track 215 : Colin_29
• Track 216 : Adzzy_27
• Track 217 : IronMan_28
• Track 218 : Flare16_26
• Track 219 : Phaded_29
• Track 220 : L5_26
• Track 221 : MissWhite_26
• Track 222 : Kerberos_29, Tomathan_29
• Track 223 : Che12_28
• Track 224 : BobSwaget_29
• Track 225 : Anselm_26
• Track 226 : NothingSpecial_28
• Track 227 : Piro94_27
• Track 228 : ANI8_29, VC3_29, C3_24, AN9_29
• Track 229 : AnnaL29_29
• Track 230 : Leogania_28
• Track 231 : Dignity_28
• Track 232 : Loser_29
• Track 233 : AN3_26, VA6_26
• Track 234 : XianYue_26
• Track 235 : Superchunk_25, Caraxes_25
• Track 236 : Iwokeuplikedis_27
• Track 237 : DBQu4n_29, Duplo_29
• Track 238 : Sknot_26

- Track 239 : Pukovnik_28
- Track 240 : KingCyrus_28, ChipMunk_28
- Track 241 : NicoleTera_30
- Track 242 : Koduck_27
- Track 243 : LionsBait_27
- Track 244 : ForesterFrank_28
- Track 245 : Serenity_25
- Track 246 : TarsusIV_26
- Track 247 : HippoHollow_27
- Track 248 : EZMoney23_30
- Track 249 : First_0026
- Track 250 : Ph8s_27
- Track 251 : HarryHoudini_28
- Track 252 : CRB1_26
- Track 253 : Trixie_29
- Track 254 : SnapTap_26
- Track 255 : Agape74_28, Bugsy_28
- Track 256 : JoshKayV_28
- Track 257 : DudeLittle_26
- Track 258 : Miko_29
- Track 259 : Prudy_29
- Track 260 : Drake55_28
- Track 261 : NaSiaTalie_26
- Track 262 : DeerParkTS_27
- Track 263 : RedRock_29
- Track 264 : Malec_27
- Track 265 : Acolyte_26
- Track 266 : 20ES_26
- Track 267 : Rachaly_29
- Track 268 : Lokk_29
- Track 269 : Leviathan_28
- Track 270 : Tristan_27
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- Track 272 : LadyBird_26
- Track 273 : BabyBack_28
- Track 274 : Bactobuster_27
- Track 275 : Jerm_28
- Track 276 : SwirlSquare_27
- Track 277 : BiancaTri92_28
- Track 278 : GaugeLDP_28
- Track 279 : BengiVuitton_27
- Track 280 : Jaan_29
- Track 281 : Kalpine_29
- Track 282 : Journey13_24
- Track 283 : Centaur_28
- Track 284 : Landor_27
- Track 285 : WeiHuaDA_31
- Track 286 : Turbido_28
- Track 287 : Changeling_28
- Track 288 : StarStuff_29
- Track 289 : Pomar16_29
- Track 290 : Heffalump_28
- Track 291 : Power_26

• Track 292 : ArcherNM_28
• Track 293 : Smeagan_28
• Track 294 : EvilGenius_28
• Track 295 : Anthony_25
• Track 296 : FatCactus_24
• Track 297 : Kinmap_25
• Track 298 : Chargerpower_26
• Track 299 : Texage_25, Lambert1_26, Norbert_25, Panamaxus_25, Pocahontas_26, Noella_26, ResDef_26, Hookmount_26, Popcicle_26, EtoileNova_26
• Track 300 : LBerry_27
• Track 301 : Sabinator_27, Hercules11_27, Montavir_26, TinyPebbles_27, Croquant_28, KADY_28, Cullens_27, Gwennie_27, LugYA_29, AgronaGT15_27, Dieselweasel_27, Vix_27, Wooldri_29, Anubis_29, SoYo_27, Methuselah_26, Beauxregard13_27, Louie6_27, Bxz2_26, Soshari_29, PotatoSplit_28, Misomonster_29, Penny1_27, EpicPhail_27, Fernando_27, Marie_27, MarQuardt_27, Tiffany_27, GingkoMaracino_27, Bigflo_27, BuzzBuzz_26, LarryKay_27, Colbster_27, Daishi_26, JHC117_27, GtownJaz_27, JenCasNa_27, MoneyMay_27, Taurus_27, HashRod_28
• Track 302 : Rockstar_25, JF2_25, MK4_25, Isca_25, JF4_25, B1_23
• Track 303 : Phoxy_27, Spike509_27
• Track 304 : Phranny_28, PurpleHaze_27, Pawn_27, Gemma_27, Calvinny_27, HaveUMetTed_28, Manu_28, Groupthink_28, Kalnoky_28, ClownCar_27, Kalb97_28, Reba_28, Marius_28, Heliosoles_27
• Track 305 : Fred313_25, HelDan_25, Kachowdy_25, Heathen_25
• Track 306 : Margo_26, Veracruz_25, Todacoro_26, Caviar_26, QuinnKiro_25
• Track 307 : Jobu08_27, SoilDragon_27
• Track 308 : AugsMagnumOpus_29, Watson_27, Stagni_27, Sabia_27, Lilith_27, Farber_27, Phoebe_27, Grub_27, StepMih_27, MadMarie_27, PGHhamlin_29, Microwolf_27, Pembroke_27, Malinsilva_29, MuchMore_29, DaHudson_27, Mainiac_27, BreSam8_27, Lowa_27
• Track 309 : ACFishhook_27
• Track 310 : JeppNRM_28
• Track 311 : Goose1D_25, Goose1X_25
• Track 312 : Ollie_27
• Track 313 : PhishRPhriends_26
• Track 314 : Phantastic_25
• Track 315 : Chiqui_24, BabyJohn_24
• Track 316 : Roimos_25
• Track 317 : Giroux_26, Idleandcovert_25, Puppy_26, Bugatti_26, Clammy_26, TNguyen7_25, SaturnRing_25, BlueBird_26, Pistachio_26
• Track 318 : Zarafa_25
• Track 319 : Cat_23, BabyRay_25
• Track 320 : Marchesa_25, DropBear_25
• Track 321 : Scout_25
• Track 322 : MA5_25
• Track 323 : Zetzy_26
• Track 324 : Aglet_27
• Track 325 : OlanP_27
• Track 326 : Rummer_27
• Track 327 : Snickers_27
• Track 328 : Grum1_27
• Track 329 : Shep_25
• Track 330 : P28Green_27

• Track 331 : Grif_27
• Track 332 : Mundrea_25
• Track 333 : Alberto7_26, KFPoly_25, Bombshell_25, TroyPia_25, Chaph_25, Maverick_25, Phacado_25, Sultana_25, Thanksgivukkah_25, Wander_25, Huxley_25, SteMason_25, Cocoaberry_25, PeterPeter_25, Avle17_25
• Track 334 : Camperdownii_24
• Track 335 : TinaFeyge_25
• Track 336 : JetBlade_25, Connomayer_25, MeeZee_25, Palestino_24, Kyee_25, Pumbaa_25, BubbleTrouble_25
• Track 337 : LHTSCC_26, Obama12_26
• Track 338 : LeoAvram_25
• Track 339 : Florean_25, Caelakin_25, Druantia_25, Citius_25, Broseidon_25, Scamp_25, Bartimeaus_25, Melvin_25, Sabertooth_25, Wizard007_25, CentreCat_25, Blackmoor_25, Bruiser_24, Sparxx_25, Baby16_25, NorthStar_25
• Track 340 : Phighter1804_25
• Track 341 : Nemo27_25, Gadost_25, NotAPhaseMom_25, Houdini22_25
• Track 342 : ICleared_25, Junimo_24
• Track 343 : Dhanush_25
• Track 344 : LittleB_25
• Track 345 : Cerulean_26, BangNhom_25, ChampagnePapi_26, SheldonCooper_26
• Track 346 : LittleGuy_25
• Track 347 : Badger_25
• Track 348 : Holli_25, Mayonnaise_25, JoongJeon_25, OKaNui_26, Taquarus_25, Relief_25, Clarenza_25
• Track 349 : Lunsford_26, Deano_25
• Track 350 : Skipitt_25
• Track 351 : Bumblebee11_25, Morpher26_25, Katalie136_25
• Track 352 : Kingmustik0402_25, RockieBear_25, Millski_24, HamSlice_24
• Track 353 : Medusa_25, Roosevelt_25, Annyong_25, Jaykayelowell_25, Peaches_25
• Track 354 : Kampy_25, Funston_25, Lorenzo_25, Maxo_25
• Track 355 : Koan_25
• Track 356 : Romney_25, Koreni_24
• Track 357 : Happiness_25
• Track 358 : Eros_25
• Track 359 : YoSam321_25
• Track 360 : Buckaroo_24, Flux_25, Northrop_25, LappelDuVide_25, Nyxis_25, Rocksand_25
• Track 361 : Burger_24
• Track 362 : Stasia_26
• Track 363 : Commander_25, Skadoosh_25
• Track 364 : Backyardigan_25, Wile_25, Achebe_24, Datway_25, Xena_25
• Track 365 : Arturo_24
• Track 366 : PetiteSangsue_25, AbbysRanger_25
• Track 367 : Albee_25
• Track 368 : TygerBlood_25
• Track 369 : Stink_26, Miramae_25, AvatarAhPeg_26
• Track 370 : Phontbonne_25, TiroTheta9_25, Polymorphads_25, Morrow_25, Eurydice_25
• Track 371 : Shygu2_25
• Track 372 : Eagle_24
• Track 373 : Shaka_25
• Track 374 : Ohfah_25

• Track 375 : Abdiel_24
• Track 376 : Cintron_25
• Track 377 : Phelipe_25
• Track 378 : Nebs_25, BellusTerra_25
• Track 379 : Lemur_25
• Track 380 : Tinybot_24
• Track 381 : Cindaradix_24
• Track 382 : Eris_24
• Track 383 : Kratark_25, DirtyDunning_25
• Track 384 : Iracema64_26
• Track 385 : KekoraPapaka_24
• Track 386 : Cici_25
• Track 387 : Noelle_25
• Track 388 : Spino_25
• Track 389 : Mazhar510_25, Ulysses_24
• Track 390 : Ruin_25
• Track 391 : Perplexer_25
• Track 392 : Rosa24_24
• Track 393 : Eapen_25, Pipcraft_25
• Track 394 : Wilbur_25
• Track 395 : Kremtemulon_25
• Track 396 : LochMonster_25
• Track 397 : SenorClean_25
• Track 398 : Iceman_26
• Track 399 : Micasa_22
• Track 400 : Theia_20, Dublin_21, MarysWell_21
• Track 401 : AgentM_22, Archetta_22, PickleBack_22, Bluefalcon_21, Lev2_22, ForGetIt_22, Phlorence_22, Jovo_22, Aragog_22, Conspiracy_22, Discoknowium_22
• Track 402 : Milcery_22
• Track 403 : Tarynearal_21, LittleCherry_22, Bonamassa_22, Twigg_22
• Track 404 : Jabiru_22
• Track 405 : Coog_22, Midas2_22, Cuco_22
• Track 406 : Swirley_22
• Track 407 : Florence1_22, Florence4_23
• Track 408 : Chadwick_23
• Track 409 : HuhtaEnerson15_22
• Track 410 : Ghoulboy_22, Zolita_21, SydNat_22
• Track 411 : George_21
• Track 412 : Naca_22
• Track 413 : UnionJack_22
• Track 414 : PetterN_23
• Track 415 : ElTiger69_22
• Track 416 : Scorpia_23
• Track 417 : Benedict_22
• Track 418 : Prinashe11_22
• Track 419 : Tiger_22
• Track 420 : Airmid_22
• Track 421 : SuperCallie99_29, Pmask_29
• Track 422 : Indra_29
• Track 423 : SuperAwesome_29, JewelBug_29, BennyP_29, Neeharika16_29, Kazan_29, DelvinSonDorr_28, Candra_29, GreedyLawyer_29, EricB_29, McFly_29, SmellyB_29, VohminGhazi_29, BABullseye_29, Cookiedough_29, Newrala_29, Chartreuse_29, Hoot_29, Kipper29_29, DaVinci_29

• Track 424 : Hexamo_29, CloudWang3_29, Gladiator_29, Jeffabunny_29, Blue7_29, Hammer_29, Wiks_29, BlessJoy_29, Tucker_29, ToneTone_27, Lilbunny_29, Yokurt_29, Gruunaga_29, Roksolana_29, Artemis2UCLA_29, Zaka_29, Zulu_29, WunderPhul_29
• Track 425 : Garak_30, Helmet_29, Temprado_29
• Track 426 : Polyphemus_29, Imbriano_29, Jordennis_29, Dorothea_29
• Track 427 : Rifter_29
• Track 428 : Isiphiwo_29
• Track 429 : Koko_29
• Track 430 : Blinn1_29
• Track 431 : Priamo_29
• Track 432 : Toro_28, FlyCatcher_29
• Track 433 : HINdeR_25
• Track 434 : Sheen_27
• Track 435 : PP_35
• Track 436 : DroogsArmy_26
• Track 437 : Timshel_26
• Track 438 : Danforth_21, Stephig9_22, Groundhog_21
• Track 439 : Expelliarmus_21, Smeadley_22, Caitlin_22, Astro_22
• Track 440 : Dixon_22
• Track 441 : Phillis_22
• Track 442 : Saintus_22
• Track 443 : Roary_22
• Track 444 : NearlyHeadless_22
• Track 445 : Jiawan_27
• Track 446 : Darrell_28
• Track 447 : Eidsmoe_27, Spouty_27, Priya_27, Alma_27
• Track 448 : Charm_26
• Track 449 : Holex_27
• Track 450 : Conquerage_27
• Track 451 : Beemo_27, ExplosioNervosa_27, Qobbit_27, Pioneer_27, Phonnegut_27
• Track 452 : Toaka_25
• Track 453 : CogOmlette_24, Bellris_25, WorldCup_24
• Track 454 : Vanisoa_25
• Track 455 : RyeScarlet_27, Hanray_27
• Track 456 : Tubs_27, Aliter_27, PackMan_27, Fayely_27, Phaeder_27, Myxus_27, HortumSL17_27
• Track 457 : EmyBug_27
• Track 458 : Lilleskat_27
• Track 459 : Rahalelujah_25
• Track 460 : Klodlith_26
• Track 461 : BogosyJay_27
• Track 462 : Catalina_27
• Track 463 : EdogawaKiddo_27, Ayanochan_27, Sachima_27
• Track 464 : Onglai_26
• Track 465 : SheaKeira_26
• Track 466 : Celestialunch_25
• Track 467 : Scherzo_27, Ugenie5_24
• Track 468 : Arissanae_25
• Track 469 : MegTheThird_25
• Track 470 : Yecey3_26
• Track 471 : Elephantoon_27

• Track 472 : Keziacharles14_25
• Track 473 : Maminiaina_27
• Track 474 : LoneWolf_27
• Track 475 : Minispark_24
• Track 476 : DreamTeam1_26
• Track 477 : Partridge_21

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

The start number called the most often in the published annotations is 135, it was called in 221 of the 860 non-draft genes in the pham.

Genes that call this "Most Annotated" start:
• A6_22, AFIS_24, Abbyshoes_25, Abrogate_250, Acme_26, Adahisdi_25, Aeneas_26, Agaliana_25, Ajay_24, Aldrich_25, Alsfro_28, Altman_26, Alvin_25, Anglerfish_25, Applejack_24, Arcanine_25, Arlo_23, Ashballer_23, Atkinbua_25, BK1_22, BPBiebs31_25, BaconJack_26, Barriga_24, BarrowTuph_23, Beatrix_23, Bethlehem_24, Bexan_23, Big3_24, BigMau_26, BigPaolini_25, Bigchungi_24, Bigfoot_23, BillKnuckles_25, Bircsak_24, Blackflame_24, Blesser_24, BluSpix_24, Blue_24, Bob3_23, Bones_24, Bruns_23, Burton_25, Buttons_25, Bxb1_22, CactusRose_23, Carlyle_26, CartmannCramer_24, CatBus_25, Chanagan_23, ChristmasHams_25, Ciao_24, ConceptII_25, Corvo_24, Crispicous1_23, Cueylyss_24, DD5_25, Dexes_25, DirtDevil_25, Doom_25, DrFeelGood_23, DreamCatcher_27, Dreamboat_25, Dulcie_23, Dussy_25, Edtherson_25, EnzoK_25, Espresso_24, Euphoria_24, Eyeball_24, Fajezeel_26, Fascinus_23, Fenn_25, Forsytheast_23, Francis47_24, Froghopper_25, Fushigi_25, GMonster_23, Gachnar_24, GageAP_26, Gandalf20_25, Gompeii16_24, Graduation_26, GrecoEtereo_25, Greg_26, GroundGoblin_25, Gwendoluna_26, Gyzlar_26, Hami1_26, HanShotFirst_24, HarryOW_25, Hermia_26, HermioneGrange_24, Homines_24, ILeeKay_26, Ichabod_25, IgnatiusPatJac_23, Inyanga_23, Iqorha_23, JC27_26, JackSparrow_25, Jasper_25, Jerm2_25, Jorgensen_24, JuliaChild_26, KBG_25, KSSJEB_24, Kanely_25, Kenmech_27, KikiBouba_26, Kugel_25, KyMonks1A_26, Kykar_22, Lamina13_24, Lesedi_23, Levia_24, Licorice_26, LilBib_25, Lockley_24, Lopton_25, LunarLander_24, MPlant7149_23, Magnar_24, Magnito_23, Makemake_24, Manatee_25, Marcell_24, Marchy_23, Marco3_24, Marge_25, Maroc7_23, Marsha_24, MaryBeth_24, McSinger_25, MetalQZJ_24, Michley_24, MilleFeuille_23, Mkhuseli_25, Molly_25, Monet_26, Moose_23, MrGordo_24, Mryolo_23, Mule_24, Museum_26, NEHalo_24, Naira_25, Nerujay_25, Nhonho_24, Niza_26, Norz_26, Noxious_26, Ohno789_24, Oogway_23, PSullivan_26, PacerPaul_24, Papez_26, Paphu_23, Paraselene_23, Pari_25, Parliament_23, PascalRango_23, PattyP_26, Payneful_24, Pelly_25, Pepe_25, Perseus_25, Peterson_27, Petp2012_26, Petruchio_24, PherrisBueller_25, PhineBark_23, Phlippers_23, PhrostyMug_24, PinkPlastic_23, Pinto_26, Pippin_26, Pita2_26, PowerRanger_24, ProMouse_25, Puppet_24, QTRlifeCrisis_24, Rajelicia_24, Rhynn_24, RidgeCB_24, Rohr_25, Rubeus_25, Rufus_25, Ruotula_23, Rutherferd_26, STLscum_25, Sagefire_25, Sandaddy_23, Sanya_24, SarFire_24, Scowl_25, Seabiscuit_26, Seanderson_25, ShortQueendom_24, Sibs6_26, SkiPole_26, Slagathor_25, Smairt_25, Smeagol_26, Snazzy_22, Solon_24, Sorpresa_24, SpikeBT_26, Squee_25, StewieG_23, StrongArm_23, Sumter_23, Sunshine924_23, SwissCheese_24, Switzer_25, Swole_26, Target_26, Tasp14_25,

Teodoridan_22, Thor_24, Topgun_24, Tote_26, Traft412_26, Treddle_26, Tripl3t_25, Trouble_24, Turj99_23, TwoPeat_25, U2_24, Violet_23, Watermelon_26, Whitspit_25, Wilkins_24, Zeeculate_23, Zephyr_24, Zeuska_25,

Genes that have the "Most Annotated" start but do not call it:
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Genes that do not have the "Most Annotated" start:
• 20ES_26, 40AC_29, ACFishhook_27, AN3_26, AN9_29, ANI8_29, AbbyPaige_28, AbbysRanger_25, Abdiel_24, Achebe_24, Acolyte_26, Adzzy_27, Agape74_28, AgentM_22, Aglet_27, AgronaGT15_27, Airmid_22, Albee_25, Alberto7_26, Aliter_27, Alma_27, Anaysia_28, Aneem_26, AnnaL29_29, Annyong_25, Anon_26, Anselm_26, Anthony_25, Anubis_29, Aragog_22, ArcherNM_28, Archetta_22, Arissanae_25, Artemis2UCLA_29, Arturo_24, Astro_22, AugsMagnumOpus_29, AvatarAhPeg_26, Avle17_25, Ayanochan_27, B1_23, BABullseye_29, Baby16_25, BabyBack_28, BabyJohn_24, BabyRay_25, Bachome_26, Backyardigan_25, Bactobuster_27, Badger_25, Baehexic_27, BangNhom_25, Bartimeaus_25, Battleship_29, Beauxregard13_27, Beemo_27, BeesKnees_25, Bellris_25, BellusTerra_25, Benedict_22, BengiVuitton_27, BennyP_29, Benvolio_26, BiancaTri92_28, Bigflo_27, Blackmoor_25, BlessJoy_29, Blinn1_29, Blue7_29, BlueBird_26, Bluefalcon_21, BobSwaget_29, BogosyJay_27, Bombshell_25, Bonamassa_22, Boohoo_28, Bowtie_26, Bradman_25, BreSam8_27, Briton15_26, Broseidon_25, Bruiser_24, BubbleTrouble_25, Buckaroo_24, Bud_26, Bugatti_26, Bugsy_28, Bumblebee11_25, Burger_24, BuzzBuzz_26, Bxz2_26, C3_24, CRB1_26, Caelakin_25, Caitlin_22, Calvinny_27, Camperdownii_24, Candra_29, Caraxes_25, Cat_23, Catalina_27, Caviar_26, Celestialunch_25, Centaur_28, CentreCat_25, Cerulean_26, Chadwick_23, ChampagnePapi_26, Changeling_28, Chaph_25, Chargerpower_26, Charm_26, Chartreuse_29, Che12_28, ChipMunk_28, Chiqui_24, Chupacabra_25, Cici_25, Cindaradix_24, Cintron_25, Citius_25, Clammy_26, Clarenza_25, CloudWang3_29, ClownCar_27, Cocoaberry_25, CogOmlette_24, Colbster_27, Colin_29, Commander_25, Connomayer_25, Conquerage_27, Conspiracy_22, Coog_22, Cookiedough_29, Croquant_28, Crucio_26, Cuco_22, Cullens_27, D29_26, D32_29, DBQu4n_29, DaHudson_27, DaVinci_29, Daishi_26, Dalmatian_26, Danforth_21, Darrell_28, DarthPhader_27, Datway_25, Deano_25, DeerParkTS_27, DekHockey33_28, Deloris_27, DelvinSonDorr_28, Dhanush_25, Dieselweasel_27, Dignity_28, DirtyDunning_25, Discoknowium_22, Dixon_22, DontArgue_24, Dorothea_29, Drake55_28, Drake94_24, DreamTeam1_26, DroogsArmy_26, DropBear_25, Druantia_25, Dublin_21, DudeLittle_26, Duplo_29, DustyMartin_29, Dynamix_25, EZMoney23_30, EagleEye_28, Eagle_24, Eaglepride_26, Eapen_25, Ebony_26, Echild_26, Edison31_25, EdogawaKiddo_27, Eidsmoe_27, ElTiger69_22, Elephantoon_27, Elle_26, EmyBug_27, EpicPhail_27, Epsocamisio_28, Equemioh13_28, EricB_29, Eris_24, Eros_25, Et2Brutus_25, EtoileNova_26, Eurydice_25, EvilGenius_28, Expelliarmus_21, ExplosioNervosa_27, Fameo_26, Farber_27, FatCactus_24, Fayely_27, Fernando_27, Fibonacci_26, FiringLine_26, First_0026, Flare16_26, Flaverint_26, Florean_25, Florence1_22, Florence4_23, Flux_25, FlyCatcher_29, ForGetIt_22, ForesterFrank_28, Fred313_25, Funston_25, Gadost_25, Gail_25, Garak_30, GaugeLDP_28, Gemma_27, George_21, Georgie2_27, Ghoulboy_22, Gilberta_26, GingkoMaracino_27, Giroux_26, Gladiator_29, Goose1D_25, Goose1X_25, Goose_25, Gratitude_28, GreedyLawyer_29, Grif_27, Groundhog_21, Groupthink_28, Grub_27, Grum1_27, Gruunaga_29, GtownJaz_27, Gwennie_27, HINdeR_25, HamSlice_24, Hammer_29, Hanray_27, Happiness_25, HarryHoudini_28, HashRod_28, HaveUMetTed_28, Heathen_25, Heffalump_28, HelDan_25, Heliosoles_27, Helmet_29, Herbertwm_23,

Hercules11_27, Hexamo_29, HippoHollow_27, Holex_27, Holli_25, Hookmount_26, Hoot_29, Hope4ever_24, HortumSL17_27, Houdini22_25, HuhtaEnerson15_22, Hutc2_26, Huxley_25, ICleared_25, Iceman_26, Idleandcovert_25, Imbriano_29, Indra_29, Insomnia_26, Iracema64_26, IronMan_28, Isca_25, Isiphiwo_29, Iwokeuplikedis_27, JF2_25, JF4_25, JHC117_27, JSwag_28, Jaan_29, Jabiru_22, Jabith_26, Jaykayelowell_25, Jeeves_25, Jeffabunny_29, JenCasNa_27, JeppNRM_28, Jerm_28, JetBlade_25, JewelBug_29, Jiawan_27, Jobu08_27, JoongJeon_25, Jordennis_29, Joselito_26, JoshKayV_28, Journey13_24, Jovo_22, Jsquared_25, Junimo_24, KADY_28, KFPoly_25, Kachowdy_25, Kalb97_28, Kalnoky_28, Kalpine_29, Kampy_25, Katalie136_25, KatherineG_28, Kazan_29, KekoraPapaka_24, Kerberos_29, Keziacharles14_25, Killigrew_22, Kimba_26, Kimona_22, KingCyrus_28, Kingmustik0402_25, Kinmap_25, Kipper29_29, KittenMittens_24, Klodlith_26, Koan_25, Koduck_27, Koko_29, Koreni_24, Kratark_25, Kremtemulon_25, Kristoff_26, Kyee_25, L5_26, LBerry_27, LHTSCC_26, LadyBird_26, Lambert1_26, Landor_27, LappelDuVide_25, Larenn_27, LarryKay_27, LastResort_28, Lemur_25, LeoAvram_25, Leogania_28, Lev2_22, Leviathan_28, LilTurb_28, Lilbunny_29, Lilith_27, Lilleskat_27, LionsBait_27, LittleB_25, LittleCherry_22, LittleGuy_25, LochMonster_25, LogiBear_28, Lokk_29, LoneWolf_27, Looper_29, Lorenzo_25, Loser_29, Louie6_27, Lowa_27, Luchador_27, Lucivia_26, Lucyedi_27, LugYA_29, Lunsford_26, MA5_25, MK4_25, MaCh_26, Mabel_26, MadMarie_27, Mainiac_27, MajorMajor_25, Malec_27, Malinsilva_29, Maminiaina_27, Manu_28, MarQuardt_27, Marchesa_25, Margo_26, Marie_27, Marius_28, MarysWell_21, Maverick_25, Maxo_25, Mayonnaise_25, Mazhar510_25, McFly_29, McGuire_25, Medusa_25, MeeZee_25, MegTheThird_25, Melvin_25, Methuselah_26, Micasa_22, Microwolf_27, MiculUcigas_26, Midas2_22, Miko_29, Milcery_22, Millski_24, MinecraftSteve_29, Minispark_24, Miramae_25, Misomonster_29, MissWhite_26, MoneyMay_27, Montavir_26, Morpher26_25, Morrow_25, MuchMore_29, Mulciber_26, Munch_26, Mundrea_25, MyraDee_23, Myxus_27, NaSiaTalie_26, Naca_22, Naji_29, NearlyHeadless_22, Nebs_25, Nebulosus_28, Nedarya_27, Neeharika16_29, Nemo27_25, Newrala_29, NicoleTera_30, Noella_26, Noelle_25, Norbert_25, NorthStar_25, Northrop_25, NotAPhaseMom_25, NothingSpecial_28, Nyxis_25, OKCentral2016_25, OKaNui_26, Obama12_26, Odin_25, Ohfah_25, OlanP_27, Ollie_27, Onglai_26, Oofda_28, Orange_26, P28Green_27, PGHhamlin_29, PP_35, PackMan_27, PainterBoy_27, Palestino_24, Panamaxus_25, Partridge_21, Pawn_27, PeaceMeal1_24, Peaches_25, Pembroke_27, Penny1_27, Perplexer_25, PeterPeter_25, Petersenfast_26, PetiteSangsue_25, PetterN_23, Ph8s_27, Phacado_25, Phaded_29, Phaeder_27, Phantastic_25, Pharaoh_26, Phelipe_25, Phighter1804_25, Phillis_22, PhishRPhriends_26, Phlei_21, Phlorence_22, Phoebe_27, Phonnegut_27, Phontbonne_25, Phoxy_27, Phranny_28, PickleBack_22, Pioneer_27, Pipcraft_25, Piro94_27, Pistachio_26, Pmask_29, Pocahontas_26, Polymorphads_25, Polyphemus_29, Pomar16_29, Poompha_24, Popcicle_26, PotatoSplit_28, Power_26, Priamo_29, Prinashe11_22, Priya_27, Prudy_29, Pukovnik_28, Pumbaa_25, Puppy_26, PurpleHaze_27, Qobbit_27, QueenB2_26, QueenBeesly_26, QuinnKiro_25, Quokka_24, Rachaly_29, Rahalelujah_25, Raid_24, Ravana_28, ReMo_28, Reba_28, Rebeuca_26, RedRock_29, Refuge_29, Relief_25, Remus_28, ResDef_26, Retro23_26, RhynO_26, Rifter_29, Ringer_24, Roary_22, RockieBear_25, Rocksand_25, Rockstar_25, Roimos_25, Roksolana_29, Romney_25, Roosevelt_25, Rosa24_24, Rosalind_28, Rowdy_29, Ruin_25, Rummer_27, RyeScarlet_27, Sabertooth_25, Sabia_27, Sabinator_27, Sachima_27, Saintus_22, Salz_26, Saskia_26, SaturnRing_25, Scamp_25, Scherzo_27, Scorpia_23, Scout_25, SemperFi_28, SenorClean_25, Serenity_25, Severus_24, Shaka_25, Sham4_26, Shapes_29, ShayRa_29, SheaKeira_26, Sheen_27,

SheldonCooper_26, Shep_25, Shygu2_25, Skadoosh_25, Skipitt_25, Sknot_26, Smeadley_22, Smeagan_28, SmellyB_29, SnapTap_26, Snape_26, Snickers_27, SoYo_27, SoilDragon_27, SororFago_25, Soshari_29, Soups_28, Sparxx_25, Spike509_27, Spino_25, Spouty_27, Stagni_27, StarStuff_29, Stasia_26, SteMason_25, Steamy_27, StepMih_27, Stephig9_22, Stink_26, Strosahl_28, Sultana_25, Sunhee_25, SuperAwesome_29, SuperCallie99_29, Superchunk_25, SweetiePie_26, SwirlSquare_27, Swirley_22, Switzerland_28, SydNat_22, TNguyen7_25, Taquarus_25, TarsusIV_26, Tarynearal_21, Taurus_27, Temprado_29, Terrific_28, Texage_25, Thanksgivukkah_25, Theia_20, TheloniousMonk_26, Tiffany_27, Tiger_22, Timothy_26, Timshel_26, TinaFeyge_25, TinyPebbles_27, TinyTimmy_26, Tinybot_24, TipsytheTRex_25, TiroTheta9_25, Toaka_25, Todacoro_26, Tomathan_29, ToneTone_27, Topanga_25, Toro_28, Travvers_29, Trike_23, Tristan_27, Trixie_29, Trooper_26, TroyPia_25, Tubs_27, Tucker_29, Turbido_28, Twigg_22, Twister_25, TygerBlood_25, Ugenie5_24, Ulysses_24, UnionJack_22, Updawg_28, VA6_26, VC3_29, Vanisoa_25, Veracruz_25, Vix_27, VohminGhazi_29, Waits_28, WalterMcMickey_25, Wander_25, Warrior24_28, Watson_27, WeiHuaDA_31, Whabigail7_28, Wheeler_24, WideWale_28, Wiks_29, Wilbur_25, Wile_25, Wizard007_25, Wolpertinger_25, Wooldri_29, WorldCup_24, WunderPhul_29, Xena_25, XianYue_26, Yecey3_26, YoSam321_25, Yokurt_29, Zaka_29, Zarafa_25, Zetzy_26, Zimmer_28, Zolita_21, Zulu_29,

Summary by start number:

Start 1:
• Found in 42 of 919 (4.6%) of genes in pham
• Manual Annotations of this start: 40 of 860
• Called 100.0% of time when present
• Phage (with cluster) where this start called: AgentM_22 (A5), Airmid_22 (A5), Aragog_22 (A5), Archetta_22 (A5), Benedict_22 (A5), Bluefalcon_21 (A5), Bonamassa_22 (A5), Chadwick_23 (A5), Conspiracy_22 (A5), Coog_22 (A5), Cuco_22 (A5), Discoknowium_22 (A5), Dublin_21 (A5), ElTiger69_22 (A5), Florence1_22 (A5), Florence4_23 (A5), ForGetIt_22 (A5), George_21 (A5), Ghoulboy_22 (A5), HuhtaEnerson15_22 (A5), Jabiru_22 (A5), Jovo_22 (A5), Lev2_22 (A5), LittleCherry_22 (A5), MarysWell_21 (A5), Micasa_22 (A5), Midas2_22 (A5), Milcery_22 (A5), Naca_22 (A5), PetterN_23 (A5), Phlorence_22 (A5), PickleBack_22 (A5), Prinashe11_22 (A5), Scorpia_23 (A5), Swirley_22 (A5), SydNat_22 (A5), Tarynearal_21 (A5), Theia_20 (A5), Tiger_22 (A5), Twigg_22 (A5), UnionJack_22 (A5), Zolita_21 (A5),

Start 2:
• Found in 1 of 919 (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: Phlei_21 (A13),

Start 3:
• Found in 3 of 919 (0.3%) of genes in pham
• Manual Annotations of this start: 3 of 860
• Called 100.0% of time when present
• Phage (with cluster) where this start called: EagleEye_28 (A16), Lucyedi_27 (A16), PainterBoy_27 (A16),

Start 12:
• Found in 14 of 919 (1.5%) of genes in pham
• Manual Annotations of this start: 13 of 860
• Called 92.9% of time when present
• Phage (with cluster) where this start called: Astro_22 (A8), Caitlin_22 (A8), Danforth_21 (A8), Dixon_22 (A8), Expelliarmus_21 (A8), FatCactus_24 (A20), Groundhog_21 (A8), NearlyHeadless_22 (A8), Phillis_22 (A8), Roary_22 (A8), Saintus_22 (A8), Smeadley_22 (A8), Stephig9_22 (A8),

Start 14:
• Found in 3 of 919 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 860
• Called 33.3% of time when present
• Phage (with cluster) where this start called: Anthony_25 (A20),

Start 22:
• Found in 6 of 919 (0.7%) of genes in pham
• Manual Annotations of this start: 4 of 860
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DroogsArmy_26 (A7), FlyCatcher_29 (A7), HINdeR_25 (A7), Sheen_27 (A7), Timshel_26 (A7), Toro_28 (A7),

Start 27:
• Found in 1 of 919 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 860
• Called 100.0% of time when present
• Phage (with cluster) where this start called: PP_35 (A7),

Start 29:
• Found in 3 of 919 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 860
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Charm_26 (A9), Klodlith_26 (A9),

Start 30:
• Found in 3 of 919 (0.3%) of genes in pham
• Manual Annotations of this start: 1 of 860
• Called 66.7% of time when present
• Phage (with cluster) where this start called: Celestialunch_25 (A9), MegTheThird_25 (A9),

Start 31:
• Found in 1 of 919 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 860
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Acolyte_26 (A2),

Start 33:
• Found in 5 of 919 (0.5%) of genes in pham
• Manual Annotations of this start: 5 of 860
• Called 100.0% of time when present
• Phage (with cluster) where this start called: DarthPhader_27 (A12), Pharaoh_26 (A12), Refuge_29 (A12), Steamy_27 (A12), Zimmer_28 (A12),

Start 42:
• Found in 2 of 919 (0.2%) of genes in pham
• Manual Annotations of this start: 1 of 860
• Called 50.0% of time when present
• Phage (with cluster) where this start called: LoneWolf_27 (A9),

Start 47:
• Found in 48 of 919 (5.2%) of genes in pham
• Manual Annotations of this start: 37 of 860
• Called 100.0% of time when present
• Phage (with cluster) where this start called: B1_23 (A3), BabyJohn_24 (A3), BabyRay_25 (A3), BlueBird_26 (A3), Bugatti_26 (A3), Cat_23 (A3), Caviar_26 (A3), Chiqui_24 (A3), Clammy_26 (A3), DropBear_25 (A3), EtoileNova_26 (A3), Fred313_25 (A3), Giroux_26 (A3), Goose1D_25 (A3), Goose1X_25 (A3), Heathen_25 (A3), HelDan_25 (A3), Hookmount_26 (A3), Idleandcovert_25 (A3), Isca_25 (A3), JF2_25 (A3), JF4_25 (A3), Kachowdy_25 (A3), Lambert1_26 (A3), MA5_25 (A3), MK4_25 (A3), Marchesa_25 (A3), Margo_26 (A3), Noella_26 (A3), Norbert_25 (A3), Panamaxus_25 (A3), Phantastic_25 (A3), Pistachio_26 (A3), Pocahontas_26 (A3), Popcicle_26 (A3), Puppy_26 (A3), QuinnKiro_25 (A3), ResDef_26 (A3), Rockstar_25 (A3), Roimos_25 (A3), SaturnRing_25 (A3), Scout_25 (A3), Shep_25 (A3), TNguyen7_25 (A3), Texage_25 (A3), Todacoro_26 (A3), Veracruz_25 (A3), Zarafa_25 (A3),

Start 48:
• Found in 91 of 919 (9.9%) of genes in pham
• Manual Annotations of this start: 89 of 860
• Called 100.0% of time when present
• Phage (with cluster) where this start called: ACFishhook_27 (A3), Aglet_27 (A3), AgronaGT15_27 (A3), Anubis_29 (A3), AugsMagnumOpus_29 (A3), Beauxregard13_27 (A3), Bigflo_27 (A3), BreSam8_27 (A3), BuzzBuzz_26 (A3), Bxz2_26 (A3), Calvinny_27 (A3), ClownCar_27 (A3), Colbster_27 (A3), Croquant_28 (A3), Cullens_27 (A3), DaHudson_27 (A3), Daishi_26 (A3), Dieselweasel_27 (A3), EpicPhail_27 (A3), Farber_27 (A3), Fernando_27 (A3), Gemma_27 (A3), GingkoMaracino_27 (A3), Grif_27 (A3), Groupthink_28 (A3), Grub_27 (A3), Grum1_27 (A3), GtownJaz_27 (A3), Gwennie_27 (A3), HashRod_28 (A3), HaveUMetTed_28 (A3), Heliosoles_27 (A3), Hercules11_27 (A3), JHC117_27 (A3), JenCasNa_27 (A3), JeppNRM_28 (A3), Jobu08_27 (A3), KADY_28 (A3), Kalb97_28 (A3), Kalnoky_28 (A3), Kimona_22 (A19), LBerry_27 (A3), LarryKay_27 (A3), Lilith_27 (A3), Louie6_27 (A3), Lowa_27 (A3), LugYA_29 (A3), MadMarie_27 (A3), Mainiac_27 (A3), Malinsilva_29 (A3), Manu_28 (A3), MarQuardt_27 (A3), Marie_27 (A3), Marius_28 (A3), Methuselah_26 (A3), Microwolf_27 (A3), Misomonster_29 (A3), MoneyMay_27 (A3), Montavir_26 (A3), MuchMore_29 (A3), OlanP_27 (A3), Ollie_27 (A3), P28Green_27 (A3), PGHhamlin_29 (A3), Pawn_27 (A3), Pembroke_27 (A3), Penny1_27 (A3), PhishRPhriends_26 (A3), Phoebe_27 (A3), Phoxy_27 (A3), Phranny_28 (A3), PotatoSplit_28 (A3), PurpleHaze_27 (A3), Reba_28 (A3), Rummer_27 (A3), Sabia_27 (A3), Sabinator_27 (A3), Snickers_27 (A3), SoYo_27 (A3), SoilDragon_27 (A3), Soshari_29 (A3), Spike509_27 (A3), Stagni_27 (A3), StepMih_27 (A3), Taurus_27 (A3), Tiffany_27 (A3), TinyPebbles_27 (A3), Vix_27 (A3), Watson_27 (A3), Wooldri_29 (A3), Zetzy_26 (A3),

Start 55:
• Found in 4 of 919 (0.4%) of genes in pham

• Manual Annotations of this start: 1 of 860
• Called 25.0% of time when present
• Phage (with cluster) where this start called: Elle_26 (A15),

Start 66:
• Found in 56 of 919 (6.1%) of genes in pham
• Manual Annotations of this start: 43 of 860
• Called 82.1% of time when present
• Phage (with cluster) where this start called: Aliter_27 (A9), Alma_27 (A9), Arissanae_25 (A9), Ayanochan_27 (A9), Beemo_27 (A9), Bellris_25 (A9), BogosyJay_27 (A9), Catalina_27 (A9), CogOmlette_24 (A9), Conquerage_27 (A9), Darrell_28 (A9), DreamTeam1_26 (A9), EdogawaKiddo_27 (A9), Eidsmoe_27 (A9), Elephantoon_27 (A9), EmyBug_27 (A9), ExplosioNervosa_27 (A9), Fayely_27 (A9), Hanray_27 (A9), Holex_27 (A9), HortumSL17_27 (A9), Jiawan_27 (A9), Keziacharles14_25 (A9), Lilleskat_27 (A9), Maminiaina_27 (A9), Minispark_24 (A9), Myxus_27 (A9), Onglai_26 (A9), PackMan_27 (A9), Phaeder_27 (A9), Phonnegut_27 (A9), Pioneer_27 (A9), Priya_27 (A9), Qobbit_27 (A9), Rahalelujah_25 (A9), RyeScarlet_27 (A9), Sachima_27 (A9), Scherzo_27 (A9), SheaKeira_26 (A9), Spouty_27 (A9), Toaka_25 (A9), Tubs_27 (A9), Ugenie5_24 (A9), Vanisoa_25 (A9), WorldCup_24 (A9), Yecey3_26 (A9),

Start 86:
• Found in 1 of 919 (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: LogiBear_28 (A15),

Start 91:
• Found in 28 of 919 (3.0%) of genes in pham
• Manual Annotations of this start: 24 of 860
• Called 85.7% of time when present
• Phage (with cluster) where this start called: Aneem_26 (A11), Bowtie_26 (A11), Bud_26 (A11), Et2Brutus_25 (A11), Fibonacci_26 (A11), Flaverint_26 (A11), Gilberta_26 (A11), Hutc2_26 (A11), Insomnia_26 (A11), Jabith_26 (A11), Joselito_26 (A11), Kimba_26 (A11), Lucivia_26 (A11), MaCh_26 (A11), Mabel_26 (A11), Mulciber_26 (A11), Munch_26 (A11), Orange_26 (A11), Petersenfast_26 (A11), Salz_26 (A11), Sham4_26 (A11), Snape_26 (A11), Timothy_26 (A11), TinyTimmy_26 (A11),

Start 93:
• Found in 52 of 919 (5.7%) of genes in pham
• Manual Annotations of this start: 49 of 860
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 40AC_29 (A17), Artemis2UCLA_29 (A6), BABullseye_29 (A6), BennyP_29 (A6), BlessJoy_29 (A6), Blinn1_29 (A6), Blue7_29 (A6), Candra_29 (A6), Chartreuse_29 (A6), CloudWang3_29 (A6), Cookiedough_29 (A6), DaVinci_29 (A6), DelvinSonDorr_28 (A6), Dorothea_29 (A6), EricB_29 (A6), Garak_30 (A6), Gladiator_29 (A6), GreedyLawyer_29 (A6), Gruunaga_29 (A6), Hammer_29 (A6), Helmet_29 (A6), Hexamo_29 (A6), Hoot_29 (A6), Imbriano_29 (A6), Indra_29 (A6), Isiphiwo_29 (A6), Jeffabunny_29 (A6), JewelBug_29 (A6), Jordennis_29 (A6), Kazan_29 (A6), Kipper29_29 (A6), Lilbunny_29 (A6), McFly_29 (A6), Neeharika16_29 (A6), Newrala_29 (A6), Pmask_29 (A6), Polyphemus_29 (A6), Priamo_29 (A6), Rifter_29 (A6), Roksolana_29 (A6), SmellyB_29 (A6),

SuperAwesome_29 (A6), SuperCallie99_29 (A6), Temprado_29 (A6), ToneTone_27 (A6), Tucker_29 (A6), VohminGhazi_29 (A6), Wiks_29 (A6), WunderPhul_29 (A6), Yokurt_29 (A6), Zaka_29 (A6), Zulu_29 (A6),

Start 95:
• Found in 238 of 919 (25.9%) of genes in pham
• Manual Annotations of this start: 129 of 860
• Called 54.2% of time when present
• Phage (with cluster) where this start called: AbbysRanger_25 (A4), Abdiel_24 (A4), Achebe_24 (A4), Albee_25 (A4), Alberto7_26 (A4), Annyong_25 (A4), AvatarAhPeg_26 (A4), Avle17_25 (A4), Baby16_25 (A4), Backyardigan_25 (A4), Badger_25 (A4), BangNhom_25 (A4), Bartimeaus_25 (A4), BellusTerra_25 (A4), Blackmoor_25 (A4), Bombshell_25 (A4), Broseidon_25 (A4), Bruiser_24 (A4), BubbleTrouble_25 (A4), Bumblebee11_25 (A4), Burger_24 (A4), Caelakin_25 (A4), Camperdownii_24 (A4), CentreCat_25 (A4), Cerulean_26 (A4), ChampagnePapi_26 (A4), Chaph_25 (A4), Cici_25 (A4), Citius_25 (A4), Clarenza_25 (A4), Cocoaberry_25 (A4), Connomayer_25 (A4), Datway_25 (A4), Deano_25 (A4), Dhanush_25 (A4), DirtyDunning_25 (A4), Drake94_24 (A10), Druantia_25 (A4), Edison31_25 (A10), Eris_24 (A4), Eros_25 (A4), Eurydice_25 (A4), Florean_25 (A4), Funston_25 (A4), Goose_25 (A10), HamSlice_24 (A4), Happiness_25 (A4), Holli_25 (A4), Huxley_25 (A4), Iceman_26 (A4), Iracema64_26 (A4), Jaykayelowell_25 (A4), JetBlade_25 (A4), JoongJeon_25 (A4), KFPoly_25 (A4), Kampy_25 (A4), Katalie136_25 (A4), Kingmustik0402_25 (A4), Koan_25 (A4), Koreni_24 (A4), Kratark_25 (A4), Kremtemulon_25 (A4), Kristoff_26 (A10), Kyee_25 (A4), Lemur_25 (A4), LittleB_25 (A4), LittleGuy_25 (A4), Lorenzo_25 (A4), Lunsford_26 (A4), Maverick_25 (A4), Maxo_25 (A4), Mayonnaise_25 (A4), Mazhar510_25 (A4), Medusa_25 (A4), MeeZee_25 (A4), Melvin_25 (A4), Millski_24 (A4), Miramae_25 (A4), Morpher26_25 (A4), Morrow_25 (A4), Mundrea_25 (A4), MyraDee_23 (A18), Nebs_25 (A4), Nebulosus_28 (A15), Noelle_25 (A4), NorthStar_25 (A4), OKaNui_26 (A4), Ohfah_25 (A4), Palestino_24 (A4), PeaceMeal1_24 (A10), Peaches_25 (A4), Perplexer_25 (A4), PeterPeter_25 (A4), PetiteSangsue_25 (A4), Phacado_25 (A4), Phelipe_25 (A4), Phighter1804_25 (A4), Phontbonne_25 (A4), Polymorphads_25 (A4), Poompha_24 (A10), Pumbaa_25 (A4), Rebeuca_26 (A10), Relief_25 (A4), RockieBear_25 (A4), Romney_25 (A4), Roosevelt_25 (A4), Ruin_25 (A4), Sabertooth_25 (A4), Scamp_25 (A4), Shaka_25 (A4), SheldonCooper_26 (A4), Shygu2_25 (A4), Sparxx_25 (A4), Stasia_26 (A4), SteMason_25 (A4), Stink_26 (A4), Sultana_25 (A4), Taquarus_25 (A4), Thanksgivukkah_25 (A4), TiroTheta9_25 (A4), TroyPia_25 (A4), Twister_25 (A10), TygerBlood_25 (A4), Ulysses_24 (A4), Wander_25 (A4), Wile_25 (A4), Wizard007_25 (A4), Xena_25 (A4), YoSam321_25 (A4),

Start 96:
• Found in 29 of 919 (3.2%) of genes in pham
• Manual Annotations of this start: 4 of 860
• Called 13.8% of time when present
• Phage (with cluster) where this start called: Bachome_26 (A11), Ebony_26 (A11), Saskia_26 (A11), Wolpertinger_25 (A11),

Start 99:
• Found in 64 of 919 (7.0%) of genes in pham
• Manual Annotations of this start: 4 of 860
• Called 6.2% of time when present

• Phage (with cluster) where this start called: Anaysia_28 (A15), Battleship_29 (A15), JSwag_28 (A15), MinecraftSteve_29 (A15),

Start 113:
• Found in 1 of 919 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 860
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Anon_26 (A15),

Start 123:
• Found in 3 of 919 (0.3%) of genes in pham
• Manual Annotations of this start: 3 of 860
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Herbertwm_23 (A2), Iwokeuplikedis_27 (A2), Kinmap_25 (A21),

Start 126:
• Found in 1 of 919 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 860
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Odin_25 (A2),

Start 127:
• Found in 6 of 919 (0.7%) of genes in pham
• Manual Annotations of this start: 6 of 860
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Adzzy_27 (A2), Caraxes_25 (A2), Che12_28 (A2), Ph8s_27 (A2), Superchunk_25 (A2), SwirlSquare_27 (A2),

Start 130:
• Found in 108 of 919 (11.8%) of genes in pham
• Manual Annotations of this start: 101 of 860
• Called 100.0% of time when present
• Phage (with cluster) where this start called: 20ES_26 (A2), AN3_26 (A2), AN9_29 (A2), ANI8_29 (A2), AbbyPaige_28 (A2), Agape74_28 (A2), AnnaL29_29 (A2), Anselm_26 (A2), ArcherNM_28 (A2), BabyBack_28 (A2), Baehexic_27 (A2), BengiVuitton_27 (A2), Benvolio_26 (A2), BiancaTri92_28 (A2), BobSwaget_29 (A2), Bradman_25 (A2), Bugsy_28 (A2), C3_24 (A2), CRB1_26 (A2), Centaur_28 (A2), Changeling_28 (A2), ChipMunk_28 (A2), Colin_29 (A2), Crucio_26 (A2), D29_26 (A2), D32_29 (A2), DBQu4n_29 (A2), Dalmatian_26 (A2), DeerParkTS_27 (A2), Deloris_27 (A2), Dignity_28 (A2), Drake55_28 (A2), DudeLittle_26 (A2), Duplo_29 (A2), EZMoney23_30 (A2), Echild_26 (A2), Equemioh13_28 (A2), EvilGenius_28 (A2), Fameo_26 (A2), FiringLine_26 (A2), First_0026 (A2), Flare16_26 (A2), ForesterFrank_28 (A2), GaugeLDP_28 (A2), Georgie2_27 (A2), Gratitude_28 (A2), HarryHoudini_28 (A2), Heffalump_28 (A2), HippoHollow_27 (A2), Jerm_28 (A2), JoshKayV_28 (A2), Journey13_24 (A2), Jsquared_25 (A2), Kalpine_29 (A2), Kerberos_29 (A2), KingCyrus_28 (A2), Koduck_27 (A2), Koko_29 (A6), L5_26 (A2), LadyBird_26 (A2), Larenn_27 (A2), Leogania_28 (A2), Leviathan_28 (A2), LilTurb_28 (A2), LionsBait_27 (A2), Lokk_29 (A2), Loser_29 (A2), MajorMajor_25 (A2), Malec_27 (A2), MiculUcigas_26 (A2), Miko_29 (A2), MissWhite_26 (A2), NaSiaTalie_26 (A2), Naji_29 (A2), NicoleTera_30 (A2), NothingSpecial_28 (A2), Piro94_27 (A2), Pomar16_29 (A2), Power_26 (A2), Prudy_29 (A2), QueenB2_26 (A2), QueenBeesly_26 (A2), Quokka_24 (A2), Rachaly_29 (A2), RedRock_29 (A2),

Retro23_26 (A2), SemperFi_28 (A2), Serenity_25 (A2), Sknot_26 (A2), Smeagan_28 (A2), SnapTap_26 (A2), StarStuff_29 (A2), SweetiePie_26 (A2), TarsusIV_26 (A2), Terrific_28 (A2), TipsytheTRex_25 (A2), Tomathan_29 (A2), Travvers_29 (A2), Trixie_29 (A2), Trooper_26 (A2), Turbido_28 (A2), Updawg_28 (A2), VA6_26 (A2), VC3_29 (A2), WeiHuaDA_31 (A2), Whabigail7_28 (A2), WideWale_28 (A2), XianYue_26 (A2),

Start 135:
• Found in 235 of 919 (25.6%) of genes in pham
• Manual Annotations of this start: 221 of 860
• Called 100.0% of time when present
• Phage (with cluster) where this start called: A6_22 (A1), AFIS_24 (A1), Abbyshoes_25 (A1), Abrogate_250 (A1), Acme_26 (A1), Adahisdi_25 (A1), Aeneas_26 (A1), Agaliana_25 (A1), Ajay_24 (A1), Aldrich_25 (A1), Alsfro_28 (A1), Altman_26 (A1), Alvin_25 (A1), Anglerfish_25 (A1), Applejack_24 (A1), Arcanine_25 (A1), Arlo_23 (A1), Ashballer_23 (A1), Atkinbua_25 (A1), BK1_22 (A1), BPBiebs31_25 (A1), BaconJack_26 (A1), Barriga_24 (A1), BarrowTuph_23 (A1), Beatrix_23 (A1), Bethlehem_24 (A1), Bexan_23 (A1), Big3_24 (A1), BigMau_26 (A1), BigPaolini_25 (A1), Bigchungi_24 (A1), Bigfoot_23 (A1), BillKnuckles_25 (A1), Bircsak_24 (A1), Blackflame_24 (A1), Blesser_24 (A1), BluSpix_24 (A1), Blue_24 (A1), Bob3_23 (A1), Bones_24 (A1), Bruns_23 (A1), Burton_25 (A1), Buttons_25 (A1), Bxb1_22 (A1), CactusRose_23 (A1), Carlyle_26 (A1), CartmannCramer_24 (A1), CatBus_25 (A1), Chanagan_23 (A1), ChristmasHams_25 (A1), Ciao_24 (A1), ConceptII_25 (A1), Corvo_24 (A1), Crispicous1_23 (A1), Cueylyss_24 (A1), DD5_25 (A1), Dexes_25 (A1), DirtDevil_25 (A1), Doom_25 (A1), DrFeelGood_23 (A1), DreamCatcher_27 (A1), Dreamboat_25 (A1), Dulcie_23 (A1), Dussy_25 (A1), Edtherson_25 (A1), EnzoK_25 (A1), Espresso_24 (A1), Euphoria_24 (A1), Eyeball_24 (A1), Fajezeel_26 (A1), Fascinus_23 (A1), Fenn_25 (A1), Forsytheast_23 (A1), Francis47_24 (A1), Froghopper_25 (A1), Fushigi_25 (A1), GMonster_23 (A1), Gachnar_24 (A1), GageAP_26 (A1), Gandalf20_25 (A1), Gompeii16_24 (A1), Graduation_26 (A1), GrecoEtereo_25 (A1), Greg_26 (A1), GroundGoblin_25 (A1), Gwendoluna_26 (A1), Gyzlar_26 (A1), Hami1_26 (A1), HanShotFirst_24 (A1), HarryOW_25 (A1), Hermia_26 (A1), HermioneGrange_24 (A1), Homines_24 (A1), ILeeKay_26 (A1), Ichabod_25 (A1), IgnatiusPatJac_23 (A1), Inyanga_23 (A1), Iqorha_23 (A1), JC27_26 (A1), JackSparrow_25 (A1), Jasper_25 (A1), Jerm2_25 (A1), Jorgensen_24 (A1), JuliaChild_26 (A1), KBG_25 (A1), KSSJEB_24 (A1), Kanely_25 (A1), Kenmech_27 (A1), KikiBouba_26 (A1), Kugel_25 (A1), KyMonks1A_26 (A1), Kykar_22 (A1), Lamina13_24 (A1), Lesedi_23 (A1), Levia_24 (A1), Licorice_26 (A1), LilBib_25 (A1), Lockley_24 (A1), Lopton_25 (A1), LunarLander_24 (A1), MPlant7149_23 (A1), Magnar_24 (A1), Magnito_23 (A1), Makemake_24 (A1), Manatee_25 (A1), Marcell_24 (A1), Marchy_23 (A1), Marco3_24 (A1), Marge_25 (A1), Maroc7_23 (A1), Marsha_24 (A1), MaryBeth_24 (A1), McSinger_25 (A1), MetalQZJ_24 (A1), Michley_24 (A1), MilleFeuille_23 (A1), Mkhuseli_25 (A1), Molly_25 (A1), Monet_26 (A1), Moose_23 (A1), MrGordo_24 (A1), Mryolo_23 (A1), Mule_24 (A1), Museum_26 (A1), NEHalo_24 (A1), Naira_25 (A1), Nerujay_25 (A1), Nhonho_24 (A1), Niza_26 (A1), Norz_26 (A1), Noxious_26 (A1), Ohno789_24 (A1), Oogway_23 (A1), PSullivan_26 (A1), PacerPaul_24 (A1), Papez_26 (A1), Paphu_23 (A1), Paraselene_23 (A1), Pari_25 (A1), Parliament_23 (A1), PascalRango_23 (A1), PattyP_26 (A1), Payneful_24 (A1), Pelly_25 (A1), Pepe_25 (A1), Perseus_25 (A1), Peterson_27 (A1), Petp2012_26 (A1), Petruchio_24 (A1), PherrisBueller_25 (A1), PhineBark_23 (A1), Phlippers_23 (A1), PhrostyMug_24 (A1), PinkPlastic_23 (A1), Pinto_26 (A1), Pippin_26 (A1), Pita2_26 (A1), PowerRanger_24 (A1), ProMouse_25 (A1), Puppet_24 (A1), QTRlifeCrisis_24 (A1),

Rajelicia_24 (A1), Rhynn_24 (A1), RidgeCB_24 (A1), Rohr_25 (A1), Rubeus_25 (A1), Rufus_25 (A1), Ruotula_23 (A1), Rutherferd_26 (A1), STLscum_25 (A1), Sagefire_25 (A1), Sandaddy_23 (A1), Sanya_24 (A1), SarFire_24 (A1), Scowl_25 (A1), Seabiscuit_26 (A1), Seanderson_25 (A1), ShortQueendom_24 (A1), Sibs6_26 (A1), SkiPole_26 (A1), Slagathor_25 (A1), Smairt_25 (A1), Smeagol_26 (A1), Snazzy_22 (A1), Solon_24 (A1), Sorpresa_24 (A1), SpikeBT_26 (A1), Squee_25 (A1), StewieG_23 (A1), StrongArm_23 (A1), Sumter_23 (A1), Sunshine924_23 (A1), SwissCheese_24 (A1), Switzer_25 (A1), Swole_26 (A1), Target_26 (A1), Tasp14_25 (A1), Teodoridan_22 (A1), Thor_24 (A1), Topgun_24 (A1), Tote_26 (A1), Traft412_26 (A1), Treddle_26 (A1), Tripl3t_25 (A1), Trouble_24 (A1), Turj99_23 (A1), TwoPeat_25 (A1), U2_24 (A1), Violet_23 (A1), Watermelon_26 (A1), Whitspit_25 (A1), Wilkins_24 (A1), Zeeculate_23 (A1), Zephyr_24 (A1), Zeuska_25 (A1),

Start 137:
• Found in 9 of 919 (1.0%) of genes in pham
• Manual Annotations of this start: 9 of 860
• Called 100.0% of time when present
• Phage (with cluster) where this start called: BeesKnees_25 (A1), Briton15_26 (A1), Dynamix_25 (A1), Hope4ever_24 (A1), McGuire_25 (A1), Raid_24 (A1), Ringer_24 (A1), TheloniousMonk_26 (A1), Wheeler_24 (A1),

Start 138:
• Found in 35 of 919 (3.8%) of genes in pham
• Manual Annotations of this start: 1 of 860
• Called 2.9% of time when present
• Phage (with cluster) where this start called: Killigrew_22 (A1),

Start 144:
• Found in 29 of 919 (3.2%) of genes in pham
• Manual Annotations of this start: 1 of 860
• Called 3.4% of time when present
• Phage (with cluster) where this start called: SororFago_25 (A14),

Start 145:
• Found in 62 of 919 (6.7%) of genes in pham
• Manual Annotations of this start: 7 of 860
• Called 11.3% of time when present
• Phage (with cluster) where this start called: Chargerpower_26 (A22), Gail_25 (A14), Luchador_27 (A14), Phaded_29 (A2), Pukovnik_28 (A2), Sunhee_25 (A14), Tristan_27 (A2),

Start 149:
• Found in 6 of 919 (0.7%) of genes in pham
• No Manual Annotations of this start.
• Called 16.7% of time when present
• Phage (with cluster) where this start called: DontArgue_24 (A10),

Start 150:
• Found in 226 of 919 (24.6%) of genes in pham
• Manual Annotations of this start: 5 of 860
• Called 2.2% of time when present
• Phage (with cluster) where this start called: Bactobuster_27 (A2), IronMan_28 (A2), Jaan_29 (A2), Jeeves_25 (A14), Landor_27 (A2),

Start 153:
• Found in 131 of 919 (14.3%) of genes in pham
• Manual Annotations of this start: 23 of 860
• Called 21.4% of time when present
• Phage (with cluster) where this start called: Arturo_24 (A4), Buckaroo_24 (A4), Cintron_25 (A4), Commander_25 (A4), Eagle_24 (A4), Eapen_25 (A4), Flux_25 (A4), Gadost_25 (A4), Houdini22_25 (A4), ICleared_25 (A4), Junimo_24 (A4), LHTSCC_26 (A4), LappelDuVide_25 (A4), LochMonster_25 (A4), Nemo27_25 (A4), Northrop_25 (A4), NotAPhaseMom_25 (A4), Nyxis_25 (A4), Obama12_26 (A4), Pipcraft_25 (A4), Rocksand_25 (A4), SenorClean_25 (A4), Skadoosh_25 (A4), Skipitt_25 (A4), Spino_25 (A4), TinaFeyge_25 (A4), Tinybot_24 (A4), Wilbur_25 (A4),

Start 156:
• Found in 51 of 919 (5.5%) of genes in pham
• Manual Annotations of this start: 18 of 860
• Called 35.3% of time when present
• Phage (with cluster) where this start called: Boohoo_28 (A15), DekHockey33_28 (A15), Epsocamisio_28 (A15), KatherineG_28 (A15), LastResort_28 (A15), Looper_29 (A15), Nedarya_27 (A15), Oofda_28 (A15), Ravana_28 (A15), ReMo_28 (A15), Remus_28 (A15), Rosalind_28 (A15), ShayRa_29 (A15), Soups_28 (A15), Strosahl_28 (A15), Switzerland_28 (A15), Waits_28 (A15), Warrior24_28 (A15),

Start 163:
• Found in 151 of 919 (16.4%) of genes in pham
• Manual Annotations of this start: 10 of 860
• Called 9.9% of time when present
• Phage (with cluster) where this start called: Chupacabra_25 (A10), DustyMartin_29 (A10), Eaglepride_26 (A10), KekoraPapaka_24 (A4), KittenMittens_24 (A10), LeoAvram_25 (A4), OKCentral2016_25 (A10), RhynO_26 (A10), Rosa24_24 (A4), Rowdy_29 (A10), Severus_24 (A10), Shapes_29 (A10), Topanga_25 (A10), Trike_23 (A10), WalterMcMickey_25 (A10),

Start 168:
• Found in 1 of 919 (0.1%) of genes in pham
• Manual Annotations of this start: 1 of 860
• Called 100.0% of time when present
• Phage (with cluster) where this start called: Partridge_21 (CA),

Start 174:
• Found in 38 of 919 (4.1%) of genes in pham
• Manual Annotations of this start: 1 of 860
• Called 2.6% of time when present
• Phage (with cluster) where this start called: Cindaradix_24 (A4),

Summary by clusters:

There are 23 clusters represented in this pham: A15, A14, A17, A16, A11, A10, A13, A12, A19, A18, A1, A3, A2, A5, A4, A7, A6, A9, A8, CA, A20, A21, A22,

Info for manual annotations of cluster A1:
•Start number 135 was manually annotated 221 times for cluster A1.
•Start number 137 was manually annotated 9 times for cluster A1.

•Start number 138 was manually annotated 1 time for cluster A1.

Info for manual annotations of cluster A10:
•Start number 95 was manually annotated 8 times for cluster A10.
•Start number 163 was manually annotated 9 times for cluster A10.

Info for manual annotations of cluster A11:
•Start number 91 was manually annotated 24 times for cluster A11.
•Start number 96 was manually annotated 4 times for cluster A11.

Info for manual annotations of cluster A12:
•Start number 33 was manually annotated 5 times for cluster A12.

Info for manual annotations of cluster A14:
•Start number 144 was manually annotated 1 time for cluster A14.
•Start number 145 was manually annotated 3 times for cluster A14.
•Start number 150 was manually annotated 1 time for cluster A14.

Info for manual annotations of cluster A15:
•Start number 55 was manually annotated 1 time for cluster A15.
•Start number 95 was manually annotated 1 time for cluster A15.
•Start number 99 was manually annotated 4 times for cluster A15.
•Start number 113 was manually annotated 1 time for cluster A15.
•Start number 156 was manually annotated 18 times for cluster A15.

Info for manual annotations of cluster A16:
•Start number 3 was manually annotated 3 times for cluster A16.

Info for manual annotations of cluster A18:
•Start number 95 was manually annotated 1 time for cluster A18.

Info for manual annotations of cluster A19:
•Start number 48 was manually annotated 1 time for cluster A19.

Info for manual annotations of cluster A2:
•Start number 31 was manually annotated 1 time for cluster A2.
•Start number 123 was manually annotated 2 times for cluster A2.
•Start number 126 was manually annotated 1 time for cluster A2.
•Start number 127 was manually annotated 6 times for cluster A2.
•Start number 130 was manually annotated 100 times for cluster A2.
•Start number 145 was manually annotated 3 times for cluster A2.
•Start number 150 was manually annotated 4 times for cluster A2.

Info for manual annotations of cluster A20:
•Start number 12 was manually annotated 1 time for cluster A20.
•Start number 14 was manually annotated 1 time for cluster A20.

Info for manual annotations of cluster A21:
•Start number 123 was manually annotated 1 time for cluster A21.

Info for manual annotations of cluster A22:

•Start number 145 was manually annotated 1 time for cluster A22.

Info for manual annotations of cluster A3:
•Start number 47 was manually annotated 37 times for cluster A3.
•Start number 48 was manually annotated 88 times for cluster A3.

Info for manual annotations of cluster A4:
•Start number 95 was manually annotated 119 times for cluster A4.
•Start number 153 was manually annotated 23 times for cluster A4.
•Start number 163 was manually annotated 1 time for cluster A4.
•Start number 174 was manually annotated 1 time for cluster A4.

Info for manual annotations of cluster A5:
•Start number 1 was manually annotated 40 times for cluster A5.

Info for manual annotations of cluster A6:
•Start number 93 was manually annotated 49 times for cluster A6.
•Start number 130 was manually annotated 1 time for cluster A6.

Info for manual annotations of cluster A7:
•Start number 22 was manually annotated 4 times for cluster A7.
•Start number 27 was manually annotated 1 time for cluster A7.

Info for manual annotations of cluster A8:
•Start number 12 was manually annotated 12 times for cluster A8.

Info for manual annotations of cluster A9:
•Start number 29 was manually annotated 1 time for cluster A9.
•Start number 30 was manually annotated 1 time for cluster A9.
•Start number 42 was manually annotated 1 time for cluster A9.
•Start number 66 was manually annotated 43 times for cluster A9.

Info for manual annotations of cluster CA:
•Start number 168 was manually annotated 1 time for cluster CA.

Gene Information:

Gene: 20ES_26 Start: 16642, Stop: 19185, Start Num: 130
Candidate Starts for 20ES_26:
(Start: 55 @16390 has 1 MA's), (Start: 130 @16642 has 101 MA's), (198, 16822), (199, 16825), (211, 16855), (246, 16990), (249, 16999), (253, 17020), (256, 17029), (266, 17050), (278, 17083), (285, 17116), (310, 17209), (320, 17257), (323, 17275), (328, 17287), (333, 17308), (337, 17329), (340, 17350), (341, 17353), (381, 17539), (388, 17581), (391, 17590), (394, 17599), (407, 17656), (422, 17722), (432, 17761), (462, 17848), (504, 17947), (542, 18067), (547, 18076), (550, 18082), (555, 18091), (563, 18112), (569, 18136), (577, 18157), (590, 18178), (602, 18187), (611, 18217), (614, 18229), (620, 18244), (644, 18286), (688, 18379), (691, 18388), (701, 18415), (722, 18478), (766, 18661), (821, 18751), (826, 18760), (866, 18871), (873, 18901), (886, 18985),

Gene: 40AC_29 Start: 18647, Stop: 21385, Start Num: 93
Candidate Starts for 40AC_29:

(Start: 93 @18647 has 49 MA's), (133, 18758), (159, 18836), (172, 18860), (182, 18884), (244, 18989), (248, 18998), (255, 19028), (269, 19064), (292, 19145), (294, 19151), (295, 19154), (296, 19157), (317, 19265), (333, 19352), (335, 19364), (337, 19373), (352, 19457), (363, 19499), (387, 19595), (399, 19631), (415, 19673), (423, 19709), (430, 19736), (447, 19796), (532, 20042), (561, 20111), (565, 20123), (616, 20273), (667, 20399), (719, 20549), (722, 20561), (741, 20645), (792, 20831), (828, 20936), (840, 20966), (842, 20975), (866, 21074), (873, 21104), (884, 21170), (886, 21182), (917, 21323),

Gene: A6_22 Start: 15930, Stop: 18401, Start Num: 135
Candidate Starts for A6_22:
(Start: 135 @15930 has 221 MA's), (Start: 150 @15969 has 5 MA's), (171, 16032), (182, 16062), (188, 16083), (196, 16104), (202, 16116), (233, 16134), (240, 16158), (260, 16224), (269, 16251), (313, 16422), (319, 16455), (335, 16521), (396, 16776), (407, 16797), (414, 16824), (423, 16863), (492, 16983), (519, 17019), (566, 17112), (572, 17133), (597, 17190), (637, 17310), (652, 17346), (667, 17376), (681, 17412), (705, 17478), (713, 17499), (725, 17541), (749, 17640), (786, 17781), (797, 17802), (861, 18033), (875, 18114), (895, 18225), (911, 18312), (918, 18351), (920, 18366),

Gene: ACFishhook_27 Start: 16138, Stop: 19164, Start Num: 48
Candidate Starts for ACFishhook_27:
(40, 16084), (Start: 48 @16138 has 89 MA's), (71, 16252), (88, 16318), (90, 16321), (92, 16330), (104, 16366), (122, 16417), (148, 16489), (171, 16561), (212, 16681), (214, 16684), (225, 16753), (231, 16798), (256, 16891), (262, 16900), (278, 16945), (287, 16984), (294, 17008), (298, 17020), (306, 17053), (310, 17071), (314, 17092), (324, 17140), (326, 17146), (330, 17161), (333, 17170), (335, 17182), (337, 17191), (354, 17284), (377, 17371), (381, 17401), (382, 17404), (386, 17431), (388, 17443), (401, 17497), (407, 17518), (415, 17548), (422, 17584), (462, 17710), (483, 17764), (504, 17809), (520, 17857), (530, 17899), (534, 17908), (547, 17938), (573, 18010), (575, 18016), (589, 18037), (590, 18040), (604, 18052), (655, 18169), (666, 18178), (691, 18250), (692, 18253), (707, 18289), (713, 18310), (722, 18340), (723, 18343), (725, 18352), (767, 18535), (789, 18601), (793, 18613), (814, 18655), (835, 18718), (852, 18775), (865, 18844), (874, 18880), (887, 18961), (916, 19096), (917, 19108),

Gene: AFIS_24 Start: 16262, Stop: 18922, Start Num: 135
Candidate Starts for AFIS_24:
(Start: 135 @16262 has 221 MA's), (Start: 150 @16301 has 5 MA's), (171, 16364), (Start: 174 @16370 has 1 MA's), (182, 16394), (196, 16436), (313, 16745), (326, 16808), (337, 16853), (342, 16877), (357, 16952), (360, 16964), (455, 17285), (566, 17615), (587, 17666), (597, 17693), (669, 17897), (710, 18011), (713, 18020), (720, 18041), (725, 18062), (749, 18161), (758, 18203), (759, 18206), (802, 18335), (830, 18419), (844, 18464), (895, 18746), (911, 18833), (918, 18872), (920, 18887),

Gene: AN3_26 Start: 16626, Stop: 19163, Start Num: 130
Candidate Starts for AN3_26:
(Start: 130 @16626 has 101 MA's), (198, 16806), (199, 16809), (219, 16857), (246, 16968), (249, 16977), (253, 16998), (256, 17007), (266, 17028), (278, 17061), (285, 17094), (310, 17187), (320, 17235), (323, 17253), (328, 17265), (333, 17286), (337, 17307), (340, 17328), (341, 17331), (381, 17517), (388, 17559), (391, 17568), (407, 17634), (422, 17700), (427, 17727), (432, 17739), (462, 17826), (504, 17925), (542, 18045), (547, 18054), (550, 18060), (555, 18069), (563, 18090), (569, 18114), (577, 18135), (590, 18156), (601, 18162), (611, 18195), (614, 18207), (644, 18264), (691, 18366), (701, 18393), (722, 18456), (821, 18729), (826, 18738), (866, 18849), (873, 18879), (886, 18963),

Gene: AN9_29 Start: 16651, Stop: 19164, Start Num: 130
Candidate Starts for AN9_29:

(Start: 130 @16651 has 101 MA's), (198, 16831), (199, 16834), (233, 16945), (278, 17080), (293, 17140), (298, 17155), (305, 17185), (306, 17188), (323, 17272), (330, 17296), (336, 17320), (340, 17347), (341, 17350), (363, 17461), (381, 17536), (385, 17563), (388, 17578), (401, 17632), (407, 17653), (422, 17719), (426, 17737), (427, 17746), (462, 17845), (474, 17878), (478, 17887), (504, 17944), (511, 17959), (542, 18064), (590, 18175), (604, 18187), (605, 18193), (614, 18226), (677, 18346), (722, 18475), (726, 18490), (734, 18520), (739, 18532), (746, 18568), (775, 18682), (795, 18694), (817, 18736), (882, 18943), (885, 18961), (886, 18964), (924, 19150),

Gene: ANI8_29 Start: 16651, Stop: 19164, Start Num: 130
Candidate Starts for ANI8_29:
(Start: 130 @16651 has 101 MA's), (198, 16831), (199, 16834), (233, 16945), (278, 17080), (293, 17140), (298, 17155), (305, 17185), (306, 17188), (323, 17272), (330, 17296), (336, 17320), (340, 17347), (341, 17350), (363, 17461), (381, 17536), (385, 17563), (388, 17578), (401, 17632), (407, 17653), (422, 17719), (426, 17737), (427, 17746), (462, 17845), (474, 17878), (478, 17887), (504, 17944), (511, 17959), (542, 18064), (590, 18175), (604, 18187), (605, 18193), (614, 18226), (677, 18346), (722, 18475), (726, 18490), (734, 18520), (739, 18532), (746, 18568), (775, 18682), (795, 18694), (817, 18736), (882, 18943), (885, 18961), (886, 18964), (924, 19150),

Gene: AbbyPaige_28 Start: 17120, Stop: 19663, Start Num: 130
Candidate Starts for AbbyPaige_28:
(Start: 130 @17120 has 101 MA's), (198, 17300), (199, 17303), (211, 17333), (247, 17471), (249, 17477), (253, 17498), (256, 17507), (262, 17516), (266, 17528), (281, 17573), (285, 17594), (298, 17636), (310, 17687), (319, 17732), (320, 17735), (323, 17753), (333, 17786), (335, 17798), (337, 17807), (340, 17828), (341, 17831), (358, 17918), (381, 18017), (388, 18059), (391, 18068), (394, 18077), (407, 18134), (422, 18200), (432, 18239), (468, 18332), (478, 18368), (504, 18425), (524, 18491), (534, 18524), (540, 18539), (542, 18545), (547, 18554), (555, 18569), (563, 18590), (568, 18611), (575, 18632), (577, 18635), (589, 18653), (590, 18656), (614, 18707), (644, 18764), (653, 18782), (671, 18806), (691, 18866), (701, 18893), (722, 18956), (734, 19001), (766, 19139), (821, 19229), (826, 19238), (846, 19262), (864, 19340), (866, 19349), (873, 19379), (886, 19463),

Gene: AbbysRanger_25 Start: 15899, Stop: 18499, Start Num: 95
Candidate Starts for AbbysRanger_25:
(Start: 95 @15899 has 129 MA's), (230, 16241), (243, 16289), (261, 16346), (290, 16451), (294, 16466), (298, 16478), (313, 16541), (337, 16649), (340, 16670), (344, 16691), (460, 17042), (490, 17093), (519, 17138), (569, 17249), (571, 17255), (613, 17351), (628, 17387), (639, 17423), (661, 17471), (697, 17588), (731, 17702), (767, 17867), (774, 17885), (815, 17999), (822, 18011), (851, 18101), (869, 18194), (881, 18266), (883, 18275), (895, 18335), (897, 18344), (916, 18431), (921, 18479),

Gene: Abbyshoes_25 Start: 16660, Stop: 19059, Start Num: 135
Candidate Starts for Abbyshoes_25:
(Start: 135 @16660 has 221 MA's), (Start: 150 @16699 has 5 MA's), (171, 16762), (182, 16792), (188, 16813), (196, 16834), (202, 16846), (208, 16864), (246, 16909), (260, 16954), (313, 17152), (319, 17185), (335, 17251), (406, 17506), (413, 17527), (418, 17554), (434, 17593), (483, 17650), (514, 17680), (598, 17842), (661, 17995), (667, 18007), (675, 18022), (711, 18139), (725, 18184), (728, 18205), (730, 18208), (762, 18358), (767, 18373), (786, 18439), (804, 18481), (861, 18691), (875, 18772), (895, 18883), (911, 18970), (918, 19009), (920, 19024),

Gene: Abdiel_24 Start: 15882, Stop: 18482, Start Num: 95
Candidate Starts for Abdiel_24:
(Start: 95 @15882 has 129 MA's), (Start: 153 @16023 has 23 MA's), (Start: 163 @16041 has 10 MA's), (238, 16248), (248, 16287), (255, 16317), (282, 16401), (290, 16434), (298, 16461), (313, 16524), (326, 16587), (337, 16632), (344, 16674), (362, 16758), (460, 17025), (490, 17076), (519,

17121), (554, 17199), (571, 17238), (639, 17406), (649, 17427), (659, 17451), (679, 17511), (680, 17517), (681, 17520), (697, 17571), (713, 17619), (731, 17685), (767, 17850), (774, 17868), (822, 17994), (880, 18246), (881, 18249), (883, 18258), (895, 18318), (916, 18414), (921, 18462),

Gene: Abrogate_250 Start: 17018, Stop: 19597, Start Num: 135
Candidate Starts for Abrogate_250:
(Start: 135 @17018 has 221 MA's), (Start: 150 @17057 has 5 MA's), (171, 17120), (182, 17150), (233, 17234), (285, 17405), (326, 17573), (337, 17618), (341, 17642), (344, 17660), (433, 17972), (501, 18128), (536, 18230), (551, 18263), (581, 18335), (597, 18374), (625, 18461), (667, 18560), (705, 18662), (713, 18683), (718, 18695), (725, 18725), (749, 18824), (762, 18887), (834, 19106), (843, 19139), (895, 19421), (911, 19508), (918, 19547), (920, 19562),

Gene: Achebe_24 Start: 15879, Stop: 18479, Start Num: 95
Candidate Starts for Achebe_24:
(Start: 95 @15879 has 129 MA's), (243, 16269), (282, 16398), (290, 16431), (298, 16458), (313, 16521), (337, 16629), (368, 16764), (423, 16962), (478, 17049), (490, 17073), (519, 17118), (569, 17229), (571, 17235), (639, 17403), (661, 17451), (679, 17508), (697, 17568), (713, 17616), (723, 17649), (731, 17682), (737, 17700), (767, 17847), (774, 17865), (822, 17991), (851, 18081), (870, 18180), (881, 18246), (883, 18255), (895, 18315), (897, 18324), (902, 18360), (909, 18378), (916, 18411), (921, 18459),

Gene: Acme_26 Start: 16689, Stop: 19160, Start Num: 135
Candidate Starts for Acme_26:
(Start: 135 @16689 has 221 MA's), (Start: 150 @16728 has 5 MA's), (171, 16791), (182, 16821), (188, 16842), (196, 16863), (202, 16875), (233, 16893), (240, 16917), (281, 17055), (290, 17091), (313, 17181), (319, 17214), (335, 17280), (396, 17535), (407, 17556), (414, 17583), (416, 17598), (448, 17679), (492, 17742), (519, 17778), (566, 17871), (572, 17892), (579, 17907), (588, 17928), (591, 17931), (611, 18000), (625, 18036), (637, 18069), (652, 18105), (667, 18135), (681, 18171), (705, 18237), (713, 18258), (749, 18399), (786, 18540), (797, 18561), (841, 18696), (875, 18873), (895, 18984), (907, 19050), (911, 19071), (918, 19110), (920, 19125),

Gene: Acolyte_26 Start: 16749, Stop: 19700, Start Num: 31
Candidate Starts for Acolyte_26:
(Start: 31 @16749 has 1 MA's), (35, 16767), (53, 16872), (65, 16929), (67, 16941), (70, 16959), (89, 17031), (115, 17115), (187, 17310), (209, 17358), (219, 17382), (250, 17523), (257, 17550), (262, 17565), (273, 17598), (278, 17610), (293, 17670), (298, 17685), (309, 17727), (319, 17781), (320, 17784), (333, 17835), (335, 17847), (337, 17856), (340, 17877), (381, 18066), (385, 18093), (388, 18108), (401, 18162), (407, 18183), (422, 18249), (428, 18279), (442, 18324), (483, 18429), (487, 18441), (509, 18486), (520, 18522), (539, 18585), (563, 18639), (575, 18681), (589, 18702), (590, 18705), (607, 18726), (643, 18810), (644, 18813), (671, 18855), (722, 19005), (728, 19038), (734, 19050), (739, 19062), (746, 19098), (775, 19212), (821, 19281),

Gene: Adahisdi_25 Start: 16587, Stop: 19067, Start Num: 135
Candidate Starts for Adahisdi_25:
(Start: 135 @16587 has 221 MA's), (Start: 150 @16626 has 5 MA's), (171, 16689), (182, 16719), (196, 16761), (284, 16968), (290, 16986), (313, 17076), (326, 17139), (333, 17163), (335, 17175), (344, 17226), (483, 17610), (538, 17712), (558, 17751), (569, 17778), (579, 17802), (667, 18030), (705, 18132), (713, 18153), (725, 18195), (749, 18294), (762, 18357), (834, 18576), (843, 18609), (895, 18891), (911, 18978), (918, 19017), (921, 19047),

Gene: Adzzy_27 Start: 15361, Stop: 17886, Start Num: 127
Candidate Starts for Adzzy_27:

(Start: 127 @15361 has 6 MA's), (134, 15379), (173, 15484), (197, 15550), (198, 15553), (199, 15556), (211, 15586), (267, 15775), (278, 15805), (285, 15838), (286, 15841), (298, 15880), (310, 15931), (319, 15976), (323, 15997), (333, 16030), (336, 16045), (337, 16051), (340, 16072), (381, 16261), (385, 16288), (388, 16303), (401, 16357), (404, 16369), (407, 16378), (422, 16444), (504, 16669), (511, 16684), (522, 16726), (539, 16780), (542, 16789), (557, 16816), (563, 16834), (573, 16870), (589, 16897), (590, 16900), (611, 16939), (614, 16951), (666, 17038), (691, 17110), (701, 17137), (717, 17179), (722, 17200), (734, 17245), (775, 17407), (821, 17470), (868, 17596), (882, 17668), (886, 17689), (899, 17764), (913, 17800),

Gene: Aeneas_26 Start: 16694, Stop: 19174, Start Num: 135
Candidate Starts for Aeneas_26:
(Start: 135 @16694 has 221 MA's), (Start: 150 @16733 has 5 MA's), (171, 16796), (182, 16826), (196, 16868), (284, 17075), (290, 17093), (313, 17183), (326, 17246), (333, 17270), (335, 17282), (344, 17333), (483, 17717), (538, 17819), (558, 17858), (566, 17873), (579, 17909), (625, 18038), (667, 18137), (705, 18239), (713, 18260), (718, 18272), (725, 18302), (749, 18401), (762, 18464), (834, 18683), (843, 18716), (895, 18998), (911, 19085), (918, 19124), (920, 19139),

Gene: Agaliana_25 Start: 16638, Stop: 19118, Start Num: 135
Candidate Starts for Agaliana_25:
(Start: 135 @16638 has 221 MA's), (Start: 150 @16677 has 5 MA's), (171, 16740), (182, 16770), (196, 16812), (284, 17019), (290, 17037), (313, 17127), (326, 17190), (333, 17214), (335, 17226), (344, 17277), (483, 17661), (538, 17763), (558, 17802), (566, 17817), (569, 17829), (579, 17853), (667, 18081), (705, 18183), (713, 18204), (718, 18216), (725, 18246), (749, 18345), (762, 18408), (834, 18627), (843, 18660), (895, 18942), (907, 19008), (911, 19029), (918, 19068), (920, 19083),

Gene: Agape74_28 Start: 17096, Stop: 19639, Start Num: 130
Candidate Starts for Agape74_28:
(Start: 130 @17096 has 101 MA's), (198, 17276), (199, 17279), (247, 17447), (249, 17453), (253, 17474), (256, 17483), (262, 17492), (266, 17504), (281, 17549), (285, 17570), (298, 17612), (310, 17663), (319, 17708), (320, 17711), (323, 17729), (333, 17762), (335, 17774), (337, 17783), (340, 17804), (341, 17807), (358, 17894), (381, 17993), (388, 18035), (391, 18044), (394, 18053), (407, 18110), (422, 18176), (432, 18215), (468, 18308), (478, 18344), (504, 18401), (524, 18467), (534, 18500), (540, 18515), (542, 18521), (547, 18530), (555, 18545), (563, 18566), (568, 18587), (575, 18608), (577, 18611), (589, 18629), (590, 18632), (614, 18683), (644, 18740), (653, 18758), (671, 18782), (691, 18842), (701, 18869), (722, 18932), (734, 18977), (766, 19115), (821, 19205), (826, 19214), (846, 19238), (866, 19325), (873, 19355), (886, 19439),

Gene: AgentM_22 Start: 15319, Stop: 18660, Start Num: 1
Candidate Starts for AgentM_22:
(Start: 1 @15319 has 40 MA's), (19, 15757), (Start: 95 @16069 has 129 MA's), (118, 16147), (131, 16177), (152, 16234), (202, 16381), (204, 16387), (206, 16393), (269, 16519), (273, 16531), (313, 16681), (320, 16717), (326, 16747), (330, 16762), (337, 16792), (338, 16804), (343, 16828), (356, 16897), (379, 16963), (425, 17119), (457, 17188), (458, 17191), (472, 17218), (485, 17242), (543, 17380), (556, 17401), (572, 17446), (593, 17488), (672, 17680), (680, 17710), (690, 17734), (693, 17746), (699, 17767), (716, 17809), (740, 17896), (749, 17932), (753, 17953), (758, 17974), (781, 18052), (789, 18073), (797, 18094), (804, 18115), (813, 18136), (822, 18160), (842, 18223), (863, 18316), (866, 18334), (880, 18415), (883, 18427), (885, 18439), (887, 18448), (898, 18502), (915, 18586), (916, 18595),

Gene: Aglet_27 Start: 15980, Stop: 19006, Start Num: 48
Candidate Starts for Aglet_27:
(40, 15926), (Start: 48 @15980 has 89 MA's), (71, 16094), (88, 16160), (90, 16163), (92, 16172), (104, 16208), (122, 16259), (148, 16331), (171, 16403), (212, 16523), (214, 16526), (225, 16595), (231,

16640), (256, 16733), (262, 16742), (268, 16760), (278, 16787), (294, 16850), (298, 16862), (306, 16895), (310, 16913), (323, 16979), (324, 16982), (326, 16988), (330, 17003), (333, 17012), (335, 17024), (337, 17033), (354, 17126), (381, 17243), (382, 17246), (386, 17273), (388, 17285), (401, 17339), (407, 17360), (422, 17426), (432, 17465), (468, 17558), (483, 17606), (504, 17651), (520, 17699), (530, 17741), (534, 17750), (547, 17780), (549, 17783), (555, 17795), (573, 17852), (575, 17858), (589, 17879), (590, 17882), (666, 18020), (671, 18032), (691, 18092), (707, 18131), (749, 18287), (753, 18308), (757, 18332), (767, 18377), (774, 18395), (789, 18443), (793, 18455), (814, 18497), (835, 18560), (852, 18617), (865, 18686), (874, 18722), (887, 18803), (916, 18938),

Gene: AgronaGT15_27 Start: 15887, Stop: 18913, Start Num: 48
Candidate Starts for AgronaGT15_27:
(40, 15833), (Start: 48 @15887 has 89 MA's), (71, 16001), (88, 16067), (90, 16070), (92, 16079), (104, 16115), (122, 16166), (148, 16238), (171, 16310), (212, 16430), (214, 16433), (225, 16502), (231, 16547), (256, 16640), (262, 16649), (268, 16667), (278, 16694), (294, 16757), (298, 16769), (306, 16802), (310, 16820), (323, 16886), (324, 16889), (326, 16895), (330, 16910), (333, 16919), (335, 16931), (337, 16940), (350, 17018), (354, 17033), (381, 17150), (382, 17153), (386, 17180), (388, 17192), (401, 17246), (407, 17267), (422, 17333), (432, 17372), (468, 17465), (483, 17513), (504, 17558), (520, 17606), (530, 17648), (534, 17657), (547, 17687), (549, 17690), (555, 17702), (573, 17759), (575, 17765), (589, 17786), (590, 17789), (666, 17927), (671, 17939), (691, 17999), (711, 18056), (749, 18194), (753, 18215), (757, 18239), (767, 18284), (774, 18302), (789, 18350), (793, 18362), (814, 18404), (835, 18467), (852, 18524), (865, 18593), (874, 18629), (887, 18710), (916, 18845),

Gene: Airmid_22 Start: 15088, Stop: 17901, Start Num: 1
Candidate Starts for Airmid_22:
(Start: 1 @15088 has 40 MA's), (7, 15277), (64, 15625), (Start: 95 @15760 has 129 MA's), (97, 15766), (183, 15859), (206, 15910), (243, 15946), (272, 16036), (288, 16102), (294, 16123), (313, 16198), (319, 16231), (333, 16285), (338, 16318), (341, 16330), (362, 16429), (375, 16462), (412, 16591), (511, 16756), (537, 16789), (572, 16822), (621, 16903), (627, 16912), (632, 16915), (682, 17026), (686, 17035), (711, 17101), (716, 17110), (749, 17173), (758, 17215), (777, 17287), (789, 17314), (795, 17329), (804, 17356), (813, 17377), (842, 17464), (849, 17494), (863, 17557), (880, 17656), (883, 17668), (885, 17680), (887, 17689), (916, 17836),

Gene: Ajay_24 Start: 16404, Stop: 18875, Start Num: 135
Candidate Starts for Ajay_24:
(Start: 135 @16404 has 221 MA's), (Start: 150 @16443 has 5 MA's), (171, 16506), (182, 16536), (188, 16557), (196, 16578), (233, 16608), (240, 16632), (260, 16698), (313, 16896), (319, 16929), (335, 16995), (396, 17250), (407, 17271), (414, 17298), (492, 17457), (519, 17493), (566, 17586), (572, 17607), (579, 17622), (588, 17643), (591, 17646), (611, 17715), (625, 17751), (637, 17784), (652, 17820), (667, 17850), (681, 17886), (705, 17952), (713, 17973), (749, 18114), (786, 18255), (797, 18276), (841, 18411), (875, 18588), (895, 18699), (911, 18786), (918, 18825),

Gene: Albee_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Albee_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (423, 16968), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Alberto7_26 Start: 16187, Stop: 18787, Start Num: 95
Candidate Starts for Alberto7_26:

(Start: 95 @16187 has 129 MA's), (Start: 153 @16328 has 23 MA's), (Start: 163 @16346 has 10 MA's), (238, 16553), (248, 16592), (255, 16622), (290, 16739), (298, 16766), (313, 16829), (326, 16892), (337, 16937), (344, 16979), (362, 17063), (460, 17330), (490, 17381), (519, 17426), (554, 17504), (569, 17537), (571, 17543), (581, 17564), (639, 17711), (649, 17732), (659, 17756), (680, 17822), (697, 17876), (713, 17924), (731, 17990), (767, 18155), (774, 18173), (822, 18299), (880, 18551), (881, 18554), (883, 18563), (895, 18623), (916, 18719), (921, 18767),

Gene: Aldrich_25 Start: 17195, Stop: 19666, Start Num: 135
Candidate Starts for Aldrich_25:
(Start: 135 @17195 has 221 MA's), (Start: 150 @17234 has 5 MA's), (171, 17297), (182, 17327), (188, 17348), (196, 17369), (202, 17381), (233, 17399), (240, 17423), (260, 17489), (313, 17687), (319, 17720), (335, 17786), (396, 18041), (407, 18062), (414, 18089), (448, 18185), (478, 18215), (492, 18248), (519, 18284), (566, 18377), (572, 18398), (597, 18455), (637, 18575), (652, 18611), (667, 18641), (681, 18677), (705, 18743), (713, 18764), (725, 18806), (749, 18905), (786, 19046), (797, 19067), (841, 19202), (895, 19490), (911, 19577), (918, 19616),

Gene: Aliter_27 Start: 17518, Stop: 20427, Start Num: 66
Candidate Starts for Aliter_27:
(Start: 66 @17518 has 43 MA's), (69, 17530), (85, 17590), (Start: 138 @17749 has 1 MA's), (157, 17812), (178, 17875), (191, 17917), (214, 17974), (258, 18184), (262, 18190), (267, 18205), (293, 18295), (294, 18298), (298, 18310), (309, 18352), (319, 18406), (337, 18481), (340, 18502), (341, 18505), (344, 18523), (356, 18586), (375, 18652), (381, 18691), (385, 18718), (388, 18733), (396, 18763), (401, 18787), (404, 18799), (407, 18808), (422, 18874), (432, 18913), (456, 18979), (468, 19006), (474, 19033), (504, 19099), (518, 19144), (542, 19219), (563, 19264), (568, 19285), (575, 19306), (577, 19309), (589, 19327), (590, 19330), (609, 19357), (644, 19438), (671, 19480), (722, 19630), (726, 19645), (734, 19675), (747, 19726), (766, 19813), (768, 19822), (785, 19873), (814, 19936), (822, 19957), (833, 19993), (846, 20029), (847, 20035), (865, 20113), (872, 20140), (881, 20200), (895, 20269), (899, 20299), (905, 20326), (917, 20365), (922, 20407),

Gene: Alma_27 Start: 17597, Stop: 20506, Start Num: 66
Candidate Starts for Alma_27:
(Start: 66 @17597 has 43 MA's), (69, 17609), (85, 17669), (157, 17891), (178, 17954), (191, 17996), (212, 18050), (214, 18053), (222, 18092), (258, 18263), (262, 18269), (267, 18284), (293, 18374), (294, 18377), (298, 18389), (309, 18431), (319, 18485), (323, 18506), (337, 18560), (340, 18581), (341, 18584), (344, 18602), (356, 18665), (375, 18731), (381, 18770), (385, 18797), (388, 18812), (396, 18842), (401, 18866), (404, 18878), (407, 18887), (422, 18953), (432, 18992), (456, 19058), (468, 19085), (474, 19112), (518, 19223), (542, 19298), (555, 19322), (563, 19343), (568, 19364), (575, 19385), (577, 19388), (589, 19406), (590, 19409), (609, 19436), (637, 19496), (650, 19526), (671, 19559), (680, 19589), (685, 19601), (722, 19709), (726, 19724), (734, 19754), (747, 19805), (766, 19892), (768, 19901), (785, 19952), (814, 20015), (822, 20036), (833, 20072), (846, 20108), (847, 20114), (865, 20192), (872, 20219), (895, 20348), (899, 20378), (905, 20405), (917, 20444), (922, 20486),

Gene: Alsfro_28 Start: 17131, Stop: 19605, Start Num: 135
Candidate Starts for Alsfro_28:
(Start: 135 @17131 has 221 MA's), (Start: 150 @17170 has 5 MA's), (165, 17215), (171, 17233), (Start: 174 @17239 has 1 MA's), (182, 17263), (196, 17305), (284, 17506), (290, 17524), (313, 17614), (326, 17677), (333, 17701), (335, 17713), (344, 17764), (474, 18127), (483, 18148), (538, 18250), (558, 18289), (569, 18316), (579, 18340), (625, 18469), (667, 18568), (688, 18622), (705, 18670), (713, 18691), (725, 18733), (742, 18808), (749, 18832), (762, 18895), (813, 19048), (834, 19114), (843, 19147), (895, 19429), (911, 19516), (918, 19555), (920, 19570),

Gene: Altman_26 Start: 17183, Stop: 19663, Start Num: 135

Candidate Starts for Altman_26:
(Start: 135 @17183 has 221 MA's), (Start: 150 @17222 has 5 MA's), (171, 17285), (Start: 174 @17291 has 1 MA's), (182, 17315), (196, 17357), (284, 17564), (290, 17582), (313, 17672), (326, 17735), (333, 17759), (335, 17771), (344, 17822), (483, 18206), (538, 18308), (558, 18347), (569, 18374), (579, 18398), (625, 18527), (667, 18626), (705, 18728), (713, 18749), (718, 18761), (725, 18791), (749, 18890), (762, 18953), (834, 19172), (843, 19205), (895, 19487), (907, 19553), (911, 19574), (918, 19613), (920, 19628),

Gene: Alvin_25 Start: 16904, Stop: 19375, Start Num: 135
Candidate Starts for Alvin_25:
(Start: 135 @16904 has 221 MA's), (Start: 150 @16943 has 5 MA's), (171, 17006), (182, 17036), (188, 17057), (196, 17078), (202, 17090), (233, 17108), (240, 17132), (260, 17198), (313, 17396), (319, 17429), (335, 17495), (396, 17750), (407, 17771), (414, 17798), (492, 17957), (519, 17993), (566, 18086), (572, 18107), (597, 18164), (637, 18284), (652, 18320), (667, 18350), (681, 18386), (705, 18452), (713, 18473), (725, 18515), (749, 18614), (786, 18755), (797, 18776), (861, 19007), (875, 19088), (895, 19199), (911, 19286), (918, 19325), (921, 19355),

Gene: Anaysia_28 Start: 15755, Stop: 18112, Start Num: 99
Candidate Starts for Anaysia_28:
(Start: 95 @15746 has 129 MA's), (Start: 99 @15755 has 4 MA's), (Start: 156 @15923 has 18 MA's), (267, 16166), (269, 16172), (289, 16241), (304, 16298), (337, 16442), (344, 16484), (353, 16532), (354, 16535), (384, 16646), (387, 16664), (425, 16769), (445, 16817), (515, 16922), (541, 16982), (569, 17036), (592, 17072), (599, 17096), (602, 17105), (624, 17168), (636, 17189), (640, 17204), (654, 17228), (659, 17240), (689, 17294), (695, 17315), (709, 17345), (771, 17516), (777, 17537), (813, 17621), (887, 17924), (916, 18047), (917, 18059),

Gene: Aneem_26 Start: 17163, Stop: 19709, Start Num: 91
Candidate Starts for Aneem_26:
(Start: 91 @17163 has 24 MA's), (Start: 96 @17181 has 4 MA's), (Start: 156 @17355 has 18 MA's), (159, 17364), (196, 17439), (248, 17493), (265, 17547), (270, 17562), (271, 17565), (278, 17583), (294, 17646), (298, 17658), (313, 17721), (326, 17784), (330, 17799), (333, 17808), (337, 17829), (341, 17853), (344, 17868), (364, 17955), (366, 17958), (372, 17973), (378, 17994), (380, 18006), (396, 18072), (416, 18135), (418, 18144), (425, 18168), (454, 18249), (457, 18258), (462, 18270), (471, 18312), (513, 18369), (532, 18423), (577, 18531), (595, 18570), (647, 18711), (690, 18807), (695, 18828), (708, 18861), (721, 18894), (722, 18897), (748, 18981), (758, 19026), (759, 19029), (792, 19143), (804, 19176), (830, 19248), (842, 19284), (857, 19356), (873, 19434), (881, 19488), (886, 19512), (896, 19560), (912, 19623),

Gene: Anglerfish_25 Start: 17554, Stop: 19554, Start Num: 135
Candidate Starts for Anglerfish_25:
(Start: 135 @17554 has 221 MA's), (Start: 150 @17593 has 5 MA's), (171, 17656), (182, 17686), (188, 17707), (237, 17767), (264, 17863), (284, 17932), (288, 17944), (313, 18040), (319, 18073), (375, 18307), (519, 18595), (584, 18697), (617, 18787), (636, 18829), (663, 18883), (667, 18895), (675, 18910), (680, 18928), (685, 18940), (725, 19048), (749, 19144), (811, 19354), (856, 19504),

Gene: AnnaL29_29 Start: 18479, Stop: 20977, Start Num: 130
Candidate Starts for AnnaL29_29:
(Start: 130 @18479 has 101 MA's), (177, 18608), (193, 18647), (211, 18692), (249, 18794), (253, 18815), (262, 18833), (274, 18869), (298, 18953), (310, 19004), (324, 19073), (326, 19079), (330, 19094), (333, 19103), (335, 19115), (337, 19124), (381, 19334), (385, 19361), (388, 19376), (401, 19430), (407, 19451), (422, 19517), (432, 19556), (441, 19589), (454, 19619), (504, 19742), (511, 19757), (516, 19784), (540, 19856), (547, 19871), (550, 19877), (555, 19886), (568, 19928), (573, 19943), (577, 19952), (590, 19973), (601, 19979), (611, 20012), (620, 20039), (639, 20069), (644,

20081), (666, 20111), (671, 20123), (701, 20210), (713, 20243), (722, 20273), (728, 20306), (734, 20318), (739, 20330), (766, 20456), (817, 20537), (821, 20546), (826, 20555), (866, 20666), (873, 20696), (886, 20777), (917, 20918),

Gene: Annyong_25 Start: 15886, Stop: 18486, Start Num: 95
Candidate Starts for Annyong_25:
(Start: 95 @15886 has 129 MA's), (Start: 153 @16027 has 23 MA's), (Start: 163 @16045 has 10 MA's), (238, 16252), (248, 16291), (255, 16321), (290, 16438), (298, 16465), (313, 16528), (326, 16591), (337, 16636), (344, 16678), (362, 16762), (460, 17029), (490, 17080), (519, 17125), (554, 17203), (569, 17236), (571, 17242), (613, 17338), (615, 17347), (639, 17410), (649, 17431), (661, 17458), (679, 17515), (680, 17521), (697, 17575), (713, 17623), (731, 17689), (767, 17854), (774, 17872), (822, 17998), (880, 18250), (881, 18253), (883, 18262), (895, 18322), (916, 18418), (921, 18466),

Gene: Anon_26 Start: 16290, Stop: 18746, Start Num: 113
Candidate Starts for Anon_26:
(43, 15978), (45, 15987), (Start: 55 @16038 has 1 MA's), (57, 16047), (61, 16068), (Start: 113 @16290 has 1 MA's), (122, 16311), (140, 16356), (149, 16383), (Start: 163 @16431 has 10 MA's), (190, 16509), (205, 16542), (206, 16545), (233, 16551), (252, 16620), (259, 16635), (260, 16638), (261, 16641), (266, 16656), (299, 16773), (313, 16827), (319, 16860), (326, 16890), (330, 16905), (332, 16911), (333, 16914), (335, 16926), (345, 16977), (352, 17013), (356, 17034), (387, 17151), (433, 17268), (439, 17286), (440, 17289), (458, 17322), (486, 17370), (500, 17394), (648, 17739), (712, 17901), (721, 17922), (740, 17976), (782, 18135), (786, 18153), (789, 18162), (797, 18183), (813, 18225), (816, 18237), (860, 18402), (873, 18474), (889, 18561), (890, 18567), (916, 18678),

Gene: Anselm_26 Start: 16722, Stop: 19259, Start Num: 130
Candidate Starts for Anselm_26:
(Start: 130 @16722 has 101 MA's), (198, 16902), (199, 16905), (211, 16935), (249, 17073), (253, 17094), (256, 17103), (266, 17124), (278, 17157), (298, 17232), (310, 17283), (319, 17328), (320, 17331), (323, 17349), (333, 17382), (335, 17394), (337, 17403), (340, 17424), (341, 17427), (381, 17613), (388, 17655), (391, 17664), (394, 17673), (407, 17730), (422, 17796), (432, 17835), (468, 17928), (504, 18021), (534, 18120), (540, 18135), (542, 18141), (547, 18150), (555, 18165), (563, 18186), (568, 18207), (569, 18210), (577, 18231), (590, 18252), (601, 18258), (611, 18291), (614, 18303), (671, 18402), (691, 18462), (701, 18489), (722, 18552), (734, 18597), (766, 18735), (821, 18825), (826, 18834), (846, 18858), (866, 18945), (873, 18975), (886, 19059),

Gene: Anthony_25 Start: 14775, Stop: 17657, Start Num: 14
Candidate Starts for Anthony_25:
(Start: 12 @14736 has 13 MA's), (Start: 14 @14775 has 1 MA's), (21, 14934), (23, 14946), (28, 14979), (39, 15024), (50, 15045), (56, 15063), (58, 15072), (68, 15117), (80, 15165), (121, 15288), (164, 15381), (184, 15438), (194, 15468), (248, 15525), (273, 15603), (277, 15612), (282, 15630), (287, 15654), (296, 15684), (313, 15753), (326, 15819), (328, 15822), (333, 15843), (367, 15993), (435, 16209), (458, 16257), (503, 16338), (506, 16341), (568, 16503), (572, 16515), (606, 16596), (621, 16638), (663, 16728), (680, 16776), (693, 16809), (756, 16998), (760, 17010), (761, 17019), (779, 17082), (795, 17121), (797, 17127), (813, 17169), (844, 17247), (882, 17436), (885, 17454), (886, 17457), (895, 17502), (916, 17586), (921, 17634),

Gene: Anubis_29 Start: 15865, Stop: 18891, Start Num: 48
Candidate Starts for Anubis_29:
(40, 15811), (Start: 48 @15865 has 89 MA's), (71, 15979), (88, 16045), (90, 16048), (92, 16057), (104, 16093), (122, 16144), (148, 16216), (171, 16288), (212, 16408), (214, 16411), (225, 16480), (231, 16525), (256, 16618), (262, 16627), (268, 16645), (278, 16672), (294, 16735), (298, 16747), (306, 16780), (310, 16798), (323, 16864), (324, 16867), (326, 16873), (330, 16888), (333, 16897), (335,

16909), (337, 16918), (350, 16996), (354, 17011), (381, 17128), (382, 17131), (386, 17158), (388, 17170), (401, 17224), (407, 17245), (422, 17311), (432, 17350), (468, 17443), (483, 17491), (504, 17536), (520, 17584), (530, 17626), (534, 17635), (547, 17665), (549, 17668), (555, 17680), (573, 17737), (575, 17743), (589, 17764), (590, 17767), (666, 17905), (671, 17917), (691, 17977), (711, 18034), (749, 18172), (753, 18193), (757, 18217), (767, 18262), (774, 18280), (789, 18328), (793, 18340), (814, 18382), (835, 18445), (852, 18502), (865, 18571), (874, 18607), (887, 18688), (916, 18823),

Gene: Applejack_24 Start: 16335, Stop: 18815, Start Num: 135
Candidate Starts for Applejack_24:
(Start: 135 @16335 has 221 MA's), (Start: 150 @16374 has 5 MA's), (171, 16437), (182, 16467), (196, 16509), (284, 16716), (290, 16734), (313, 16824), (326, 16887), (333, 16911), (335, 16923), (344, 16974), (483, 17358), (538, 17460), (558, 17499), (569, 17526), (579, 17550), (625, 17679), (667, 17778), (705, 17880), (713, 17901), (718, 17913), (725, 17943), (749, 18042), (762, 18105), (834, 18324), (843, 18357), (895, 18639), (911, 18726), (918, 18765), (920, 18780),

Gene: Aragog_22 Start: 15349, Stop: 18690, Start Num: 1
Candidate Starts for Aragog_22:
(Start: 1 @15349 has 40 MA's), (19, 15787), (Start: 95 @16099 has 129 MA's), (118, 16177), (131, 16207), (152, 16264), (202, 16411), (204, 16417), (206, 16423), (269, 16549), (273, 16561), (313, 16711), (320, 16747), (326, 16777), (330, 16792), (337, 16822), (338, 16834), (343, 16858), (356, 16927), (379, 16993), (425, 17149), (457, 17218), (458, 17221), (472, 17248), (485, 17272), (543, 17410), (556, 17431), (572, 17476), (593, 17518), (672, 17710), (680, 17740), (690, 17764), (693, 17776), (699, 17797), (716, 17839), (740, 17926), (749, 17962), (753, 17983), (758, 18004), (781, 18082), (789, 18103), (797, 18124), (804, 18145), (813, 18166), (822, 18190), (842, 18253), (863, 18346), (866, 18364), (880, 18445), (883, 18457), (885, 18469), (887, 18478), (898, 18532), (915, 18616), (916, 18625),

Gene: Arcanine_25 Start: 16570, Stop: 18570, Start Num: 135
Candidate Starts for Arcanine_25:
(Start: 135 @16570 has 221 MA's), (Start: 150 @16609 has 5 MA's), (171, 16672), (182, 16702), (188, 16723), (237, 16783), (264, 16879), (276, 16918), (284, 16948), (288, 16960), (313, 17056), (319, 17089), (375, 17323), (450, 17548), (519, 17611), (584, 17713), (588, 17725), (617, 17803), (636, 17845), (663, 17899), (667, 17911), (675, 17926), (680, 17944), (685, 17956), (718, 18034), (725, 18064), (736, 18109), (749, 18160), (811, 18370), (856, 18520),

Gene: ArcherNM_28 Start: 18421, Stop: 20922, Start Num: 130
Candidate Starts for ArcherNM_28:
(94, 18337), (Start: 130 @18421 has 101 MA's), (173, 18532), (177, 18550), (198, 18604), (204, 18619), (211, 18637), (213, 18643), (246, 18730), (253, 18760), (262, 18778), (298, 18898), (310, 18949), (324, 19018), (326, 19024), (330, 19039), (333, 19048), (335, 19060), (337, 19069), (381, 19279), (385, 19306), (388, 19321), (401, 19375), (407, 19396), (422, 19462), (432, 19501), (504, 19687), (516, 19729), (534, 19786), (540, 19801), (542, 19807), (547, 19816), (555, 19831), (563, 19852), (568, 19873), (589, 19915), (604, 19930), (611, 19957), (639, 20014), (644, 20026), (671, 20068), (691, 20128), (701, 20155), (711, 20185), (722, 20218), (734, 20263), (739, 20275), (817, 20482), (821, 20491), (826, 20500), (866, 20611), (873, 20641), (886, 20722), (916, 20851),

Gene: Archetta_22 Start: 15062, Stop: 18403, Start Num: 1
Candidate Starts for Archetta_22:
(Start: 1 @15062 has 40 MA's), (19, 15500), (Start: 95 @15812 has 129 MA's), (118, 15890), (131, 15920), (152, 15977), (202, 16124), (204, 16130), (206, 16136), (269, 16262), (273, 16274), (313, 16424), (320, 16460), (326, 16490), (330, 16505), (337, 16535), (338, 16547), (343, 16571), (356, 16640), (379, 16706), (425, 16862), (457, 16931), (458, 16934), (472, 16961), (485, 16985), (543,

17123), (556, 17144), (572, 17189), (593, 17231), (672, 17423), (680, 17453), (690, 17477), (693, 17489), (699, 17510), (716, 17552), (740, 17639), (749, 17675), (753, 17696), (758, 17717), (781, 17795), (789, 17816), (797, 17837), (804, 17858), (813, 17879), (822, 17903), (842, 17966), (863, 18059), (866, 18077), (880, 18158), (883, 18170), (885, 18182), (887, 18191), (898, 18245), (915, 18329), (916, 18338),

Gene: Arissanae_25 Start: 15680, Stop: 18592, Start Num: 66
Candidate Starts for Arissanae_25:
(Start: 66 @15680 has 43 MA's), (69, 15692), (73, 15716), (76, 15728), (112, 15848), (129, 15890), (Start: 138 @15911 has 1 MA's), (191, 16079), (212, 16133), (214, 16136), (251, 16328), (258, 16346), (264, 16358), (266, 16364), (278, 16397), (285, 16430), (296, 16466), (298, 16472), (302, 16493), (310, 16523), (319, 16568), (323, 16589), (330, 16613), (331, 16616), (335, 16634), (337, 16643), (338, 16655), (347, 16703), (356, 16748), (381, 16853), (400, 16946), (401, 16949), (403, 16955), (407, 16970), (410, 16979), (412, 16991), (417, 17015), (420, 17027), (422, 17036), (447, 17120), (454, 17138), (456, 17141), (539, 17372), (542, 17381), (563, 17426), (568, 17447), (573, 17462), (575, 17468), (589, 17489), (590, 17492), (609, 17519), (615, 17546), (644, 17600), (671, 17642), (685, 17684), (722, 17792), (747, 17888), (766, 17975), (768, 17984), (785, 18035), (814, 18098), (833, 18158), (846, 18194), (847, 18200), (865, 18278), (872, 18305), (874, 18314), (899, 18464), (913, 18500), (916, 18518), (917, 18530),

Gene: Arlo_23 Start: 15964, Stop: 18444, Start Num: 135
Candidate Starts for Arlo_23:
(Start: 135 @15964 has 221 MA's), (Start: 150 @16003 has 5 MA's), (171, 16066), (182, 16096), (196, 16138), (284, 16345), (290, 16363), (313, 16453), (326, 16516), (333, 16540), (335, 16552), (344, 16603), (483, 16987), (538, 17089), (558, 17128), (566, 17143), (569, 17155), (579, 17179), (625, 17308), (667, 17407), (705, 17509), (713, 17530), (725, 17572), (749, 17671), (762, 17734), (789, 17824), (834, 17953), (843, 17986), (895, 18268), (907, 18334), (911, 18355), (918, 18394), (921, 18424),

Gene: Artemis2UCLA_29 Start: 16617, Stop: 18833, Start Num: 93
Candidate Starts for Artemis2UCLA_29:
(77, 16572), (Start: 93 @16617 has 49 MA's), (Start: 145 @16728 has 7 MA's), (196, 16884), (269, 17031), (273, 17043), (312, 17190), (313, 17193), (319, 17226), (339, 17316), (352, 17385), (375, 17460), (425, 17628), (623, 17886), (656, 17931), (721, 18039), (749, 18102), (758, 18144), (789, 18243), (797, 18264), (813, 18306), (830, 18357), (840, 18384), (857, 18465), (873, 18555),

Gene: Arturo_24 Start: 16137, Stop: 18596, Start Num: 153
Candidate Starts for Arturo_24:
(Start: 95 @15996 has 129 MA's), (Start: 153 @16137 has 23 MA's), (Start: 163 @16155 has 10 MA's), (218, 16311), (238, 16362), (255, 16431), (290, 16548), (298, 16575), (313, 16638), (326, 16701), (337, 16746), (344, 16788), (362, 16872), (460, 17139), (490, 17190), (519, 17235), (554, 17313), (569, 17346), (571, 17352), (619, 17466), (639, 17520), (659, 17565), (679, 17625), (697, 17685), (731, 17799), (737, 17817), (767, 17964), (774, 17982), (822, 18108), (880, 18360), (881, 18363), (883, 18372), (894, 18429), (895, 18432), (902, 18477), (916, 18528), (921, 18576),

Gene: Ashballer_23 Start: 16347, Stop: 18818, Start Num: 135
Candidate Starts for Ashballer_23:
(Start: 135 @16347 has 221 MA's), (Start: 150 @16386 has 5 MA's), (171, 16449), (182, 16479), (188, 16500), (196, 16521), (202, 16533), (233, 16551), (260, 16641), (313, 16839), (319, 16872), (335, 16938), (396, 17193), (407, 17214), (414, 17241), (492, 17400), (519, 17436), (566, 17529), (572, 17550), (597, 17607), (637, 17727), (652, 17763), (667, 17793), (681, 17829), (705, 17895), (713, 17916), (749, 18057), (786, 18198), (797, 18219), (841, 18354), (875, 18531), (895, 18642), (907, 18708), (911, 18729), (918, 18768),

Gene: Astro_22 Start: 14549, Stop: 17626, Start Num: 12
Candidate Starts for Astro_22:
(Start: 12 @14549 has 13 MA's), (16, 14633), (32, 14801), (36, 14825), (53, 14873), (82, 14993), (102, 15065), (158, 15215), (159, 15218), (162, 15224), (248, 15410), (267, 15470), (269, 15476), (288, 15542), (296, 15569), (299, 15584), (312, 15635), (313, 15638), (319, 15671), (326, 15704), (364, 15872), (418, 16055), (425, 16079), (445, 16127), (457, 16148), (458, 16151), (527, 16295), (548, 16352), (561, 16382), (574, 16421), (606, 16493), (614, 16523), (662, 16622), (674, 16652), (690, 16697), (749, 16895), (753, 16916), (756, 16928), (789, 17036), (813, 17099), (822, 17123), (832, 17153), (842, 17186), (850, 17219), (863, 17279), (868, 17306), (886, 17405), (887, 17411), (904, 17501), (912, 17522), (918, 17561), (925, 17609),

Gene: Atkinbua_25 Start: 16303, Stop: 18771, Start Num: 135
Candidate Starts for Atkinbua_25:
(Start: 135 @16303 has 221 MA's), (Start: 144 @16318 has 1 MA's), (171, 16402), (Start: 174 @16408 has 1 MA's), (182, 16432), (188, 16453), (196, 16474), (233, 16504), (240, 16528), (260, 16594), (313, 16792), (319, 16825), (335, 16891), (396, 17146), (407, 17167), (414, 17194), (492, 17353), (566, 17482), (572, 17503), (579, 17518), (588, 17539), (591, 17542), (611, 17611), (625, 17647), (637, 17680), (652, 17716), (667, 17746), (681, 17782), (705, 17848), (713, 17869), (749, 18010), (786, 18151), (797, 18172), (841, 18307), (875, 18484), (895, 18595), (907, 18661), (911, 18682), (918, 18721),

Gene: AugsMagnumOpus_29 Start: 15971, Stop: 18997, Start Num: 48
Candidate Starts for AugsMagnumOpus_29:
(40, 15917), (Start: 48 @15971 has 89 MA's), (71, 16085), (88, 16151), (90, 16154), (92, 16163), (104, 16199), (122, 16250), (148, 16322), (171, 16394), (212, 16514), (214, 16517), (225, 16586), (231, 16631), (256, 16724), (262, 16733), (268, 16751), (278, 16778), (294, 16841), (298, 16853), (306, 16886), (310, 16904), (323, 16970), (324, 16973), (326, 16979), (330, 16994), (333, 17003), (335, 17015), (337, 17024), (354, 17117), (381, 17234), (382, 17237), (386, 17264), (388, 17276), (401, 17330), (407, 17351), (422, 17417), (427, 17444), (468, 17549), (483, 17597), (504, 17642), (520, 17690), (530, 17732), (534, 17741), (547, 17771), (549, 17774), (555, 17786), (573, 17843), (575, 17849), (589, 17870), (590, 17873), (666, 18011), (671, 18023), (691, 18083), (713, 18143), (722, 18173), (723, 18176), (725, 18185), (749, 18278), (767, 18368), (789, 18434), (793, 18446), (814, 18488), (835, 18551), (852, 18608), (865, 18677), (874, 18713), (887, 18794), (916, 18929),

Gene: AvatarAhPeg_26 Start: 16164, Stop: 18764, Start Num: 95
Candidate Starts for AvatarAhPeg_26:
(Start: 95 @16164 has 129 MA's), (Start: 174 @16347 has 1 MA's), (230, 16506), (243, 16554), (290, 16716), (295, 16734), (313, 16806), (337, 16914), (352, 16998), (423, 17247), (478, 17334), (490, 17358), (519, 17403), (569, 17514), (571, 17520), (628, 17652), (639, 17688), (649, 17709), (661, 17736), (679, 17793), (697, 17853), (731, 17967), (767, 18132), (774, 18150), (799, 18219), (822, 18276), (870, 18465), (881, 18531), (883, 18540), (895, 18600), (897, 18609), (902, 18645), (909, 18663), (916, 18696), (921, 18744),

Gene: Avle17_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Avle17_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Ayanochan_27 Start: 17623, Stop: 20532, Start Num: 66
Candidate Starts for Ayanochan_27:
(Start: 66 @17623 has 43 MA's), (69, 17635), (85, 17695), (157, 17917), (178, 17980), (191, 18022), (214, 18079), (222, 18118), (258, 18289), (262, 18295), (267, 18310), (293, 18400), (294, 18403), (298, 18415), (309, 18457), (319, 18511), (337, 18586), (340, 18607), (341, 18610), (344, 18628), (356, 18691), (375, 18757), (381, 18796), (385, 18823), (388, 18838), (396, 18868), (401, 18892), (407, 18913), (422, 18979), (432, 19018), (456, 19084), (468, 19111), (474, 19138), (504, 19204), (518, 19249), (542, 19324), (563, 19369), (568, 19390), (575, 19411), (577, 19414), (589, 19432), (590, 19435), (609, 19462), (615, 19489), (644, 19543), (722, 19735), (726, 19750), (734, 19780), (747, 19831), (766, 19918), (768, 19927), (785, 19978), (814, 20041), (822, 20062), (833, 20098), (846, 20134), (847, 20140), (865, 20218), (872, 20245), (881, 20305), (895, 20374), (899, 20404), (905, 20431), (917, 20470), (922, 20512),

Gene: B1_23 Start: 15174, Stop: 18218, Start Num: 47
Candidate Starts for B1_23:
(Start: 47 @15174 has 37 MA's), (87, 15348), (90, 15360), (171, 15603), (212, 15723), (214, 15726), (259, 15948), (278, 15993), (298, 16068), (306, 16101), (310, 16119), (313, 16131), (328, 16197), (335, 16230), (337, 16239), (344, 16281), (354, 16332), (381, 16449), (388, 16491), (401, 16545), (407, 16566), (420, 16623), (422, 16632), (462, 16758), (468, 16764), (474, 16791), (504, 16857), (511, 16872), (518, 16902), (520, 16905), (534, 16956), (539, 16968), (549, 16989), (555, 17001), (563, 17022), (573, 17058), (589, 17085), (610, 17118), (612, 17130), (633, 17172), (671, 17238), (691, 17298), (707, 17337), (722, 17388), (723, 17391), (725, 17400), (730, 17424), (749, 17493), (753, 17514), (767, 17583), (774, 17601), (789, 17649), (793, 17661), (814, 17703), (818, 17715), (833, 17763), (874, 17934), (883, 17994), (887, 18015), (916, 18150), (917, 18162), (921, 18198),

Gene: BABullseye_29 Start: 16728, Stop: 18932, Start Num: 93
Candidate Starts for BABullseye_29:
(41, 16569), (77, 16683), (Start: 93 @16728 has 49 MA's), (Start: 145 @16839 has 7 MA's), (147, 16845), (182, 16953), (196, 16995), (243, 17061), (273, 17154), (282, 17181), (313, 17304), (319, 17337), (339, 17427), (352, 17496), (425, 17739), (531, 17877), (623, 17997), (721, 18150), (749, 18213), (758, 18255), (789, 18354), (797, 18375), (804, 18396), (813, 18417), (830, 18468), (834, 18480), (840, 18495), (857, 18576), (873, 18654),

Gene: BK1_22 Start: 15930, Stop: 18401, Start Num: 135
Candidate Starts for BK1_22:
(Start: 135 @15930 has 221 MA's), (Start: 150 @15969 has 5 MA's), (171, 16032), (182, 16062), (188, 16083), (196, 16104), (202, 16116), (233, 16134), (240, 16158), (260, 16224), (269, 16251), (313, 16422), (319, 16455), (335, 16521), (396, 16776), (407, 16797), (414, 16824), (423, 16863), (492, 16983), (519, 17019), (566, 17112), (572, 17133), (597, 17190), (637, 17310), (652, 17346), (667, 17376), (681, 17412), (705, 17478), (713, 17499), (725, 17541), (749, 17640), (786, 17781), (797, 17802), (861, 18033), (875, 18114), (895, 18225), (911, 18312), (918, 18351), (920, 18366),

Gene: BPBiebs31_25 Start: 16611, Stop: 19082, Start Num: 135
Candidate Starts for BPBiebs31_25:
(Start: 135 @16611 has 221 MA's), (Start: 150 @16650 has 5 MA's), (171, 16713), (182, 16743), (188, 16764), (196, 16785), (202, 16797), (233, 16815), (260, 16905), (313, 17103), (319, 17136), (335, 17202), (396, 17457), (407, 17478), (414, 17505), (492, 17664), (519, 17700), (566, 17793), (572, 17814), (597, 17871), (637, 17991), (652, 18027), (667, 18057), (681, 18093), (705, 18159), (713, 18180), (749, 18321), (786, 18462), (797, 18483), (841, 18618), (875, 18795), (895, 18906), (907, 18972), (911, 18993), (918, 19032), (920, 19047),

Gene: Baby16_25 Start: 15894, Stop: 18494, Start Num: 95
Candidate Starts for Baby16_25:

(Start: 95 @15894 has 129 MA's), (Start: 153 @16035 has 23 MA's), (Start: 163 @16053 has 10 MA's), (238, 16260), (248, 16299), (255, 16329), (290, 16446), (298, 16473), (313, 16536), (326, 16599), (337, 16644), (344, 16686), (362, 16770), (460, 17037), (490, 17088), (519, 17133), (554, 17211), (571, 17250), (581, 17271), (639, 17418), (649, 17439), (659, 17463), (679, 17523), (680, 17529), (681, 17532), (697, 17583), (713, 17631), (731, 17697), (767, 17862), (774, 17880), (822, 18006), (880, 18258), (881, 18261), (883, 18270), (895, 18330), (916, 18426), (921, 18474),

Gene: BabyBack_28 Start: 18230, Stop: 20749, Start Num: 130
Candidate Starts for BabyBack_28:
(Start: 130 @18230 has 101 MA's), (173, 18341), (198, 18410), (202, 18419), (219, 18461), (253, 18584), (256, 18593), (262, 18602), (274, 18638), (278, 18647), (280, 18656), (310, 18773), (321, 18830), (324, 18842), (326, 18848), (330, 18863), (335, 18884), (337, 18893), (381, 19103), (386, 19133), (388, 19145), (401, 19199), (407, 19220), (420, 19277), (422, 19286), (504, 19511), (511, 19526), (516, 19553), (534, 19610), (540, 19625), (547, 19640), (555, 19655), (560, 19670), (563, 19676), (568, 19697), (590, 19742), (611, 19781), (620, 19808), (666, 19880), (691, 19952), (701, 19979), (711, 20009), (713, 20012), (722, 20042), (739, 20099), (746, 20135), (761, 20204), (817, 20303), (821, 20312), (826, 20321), (866, 20432), (879, 20519), (885, 20546), (886, 20549), (921, 20726),

Gene: BabyJohn_24 Start: 15764, Stop: 18802, Start Num: 47
Candidate Starts for BabyJohn_24:
(Start: 47 @15764 has 37 MA's), (87, 15938), (Start: 99 @15983 has 4 MA's), (171, 16193), (214, 16316), (256, 16523), (278, 16577), (298, 16652), (306, 16685), (310, 16703), (313, 16715), (328, 16781), (333, 16802), (335, 16814), (337, 16823), (344, 16865), (354, 16916), (381, 17033), (382, 17036), (388, 17075), (401, 17129), (407, 17150), (422, 17216), (427, 17243), (468, 17348), (483, 17396), (504, 17441), (511, 17456), (520, 17489), (530, 17531), (534, 17540), (547, 17570), (555, 17585), (563, 17606), (573, 17642), (589, 17669), (590, 17672), (607, 17693), (611, 17711), (633, 17756), (653, 17798), (655, 17801), (691, 17882), (707, 17921), (722, 17972), (723, 17975), (725, 17984), (730, 18008), (749, 18077), (753, 18098), (767, 18167), (774, 18185), (789, 18233), (793, 18245), (809, 18275), (814, 18287), (818, 18299), (833, 18347), (874, 18518), (883, 18578), (887, 18599), (905, 18695), (916, 18734), (921, 18782),

Gene: BabyRay_25 Start: 15740, Stop: 18778, Start Num: 47
Candidate Starts for BabyRay_25:
(Start: 47 @15740 has 37 MA's), (87, 15914), (90, 15926), (171, 16169), (185, 16214), (214, 16292), (256, 16499), (278, 16553), (294, 16616), (298, 16628), (306, 16661), (313, 16691), (319, 16724), (328, 16757), (335, 16790), (337, 16799), (354, 16892), (381, 17009), (383, 17021), (388, 17051), (401, 17105), (407, 17126), (422, 17192), (468, 17324), (470, 17333), (483, 17372), (504, 17417), (511, 17432), (530, 17507), (534, 17516), (547, 17546), (555, 17561), (557, 17564), (563, 17582), (568, 17603), (569, 17606), (575, 17624), (589, 17645), (590, 17648), (633, 17732), (655, 17777), (671, 17798), (691, 17858), (711, 17915), (713, 17918), (722, 17948), (723, 17951), (725, 17960), (749, 18053), (753, 18074), (767, 18143), (774, 18161), (789, 18209), (793, 18221), (814, 18263), (818, 18275), (833, 18323), (874, 18494), (883, 18554), (885, 18566), (886, 18569), (887, 18575), (916, 18710), (917, 18722), (921, 18758),

Gene: Bachome_26 Start: 17172, Stop: 19700, Start Num: 96
Candidate Starts for Bachome_26:
(Start: 91 @17154 has 24 MA's), (Start: 96 @17172 has 4 MA's), (Start: 156 @17346 has 18 MA's), (159, 17355), (196, 17430), (248, 17484), (265, 17538), (270, 17553), (271, 17556), (278, 17574), (294, 17637), (298, 17649), (313, 17712), (326, 17775), (330, 17790), (333, 17799), (337, 17820), (341, 17844), (344, 17859), (364, 17946), (366, 17949), (372, 17964), (378, 17985), (380, 17997), (396, 18063), (412, 18105), (416, 18126), (418, 18135), (425, 18159), (454, 18240), (457, 18249), (462, 18261), (471, 18303), (513, 18360), (532, 18414), (577, 18522), (595, 18561), (647, 18702),

(690, 18798), (695, 18819), (708, 18852), (721, 18885), (722, 18888), (748, 18972), (758, 19017), (759, 19020), (792, 19134), (804, 19167), (830, 19239), (842, 19275), (857, 19347), (873, 19425), (881, 19479), (886, 19503), (912, 19614),

Gene: Backyardigan_25 Start: 15891, Stop: 18491, Start Num: 95
Candidate Starts for Backyardigan_25:
(Start: 95 @15891 has 129 MA's), (243, 16281), (282, 16410), (290, 16443), (298, 16470), (313, 16533), (337, 16641), (368, 16776), (423, 16974), (478, 17061), (490, 17085), (519, 17130), (569, 17241), (571, 17247), (639, 17415), (661, 17463), (679, 17520), (697, 17580), (713, 17628), (723, 17661), (731, 17694), (737, 17712), (767, 17859), (774, 17877), (822, 18003), (851, 18093), (870, 18192), (881, 18258), (883, 18267), (895, 18327), (897, 18336), (902, 18372), (909, 18390), (916, 18423), (921, 18471),

Gene: BaconJack_26 Start: 16685, Stop: 19084, Start Num: 135
Candidate Starts for BaconJack_26:
(Start: 135 @16685 has 221 MA's), (Start: 150 @16724 has 5 MA's), (171, 16787), (182, 16817), (188, 16838), (196, 16859), (208, 16889), (240, 16913), (260, 16979), (313, 17177), (319, 17210), (335, 17276), (406, 17531), (413, 17552), (418, 17579), (530, 17738), (546, 17774), (598, 17867), (661, 18020), (667, 18032), (675, 18047), (711, 18164), (725, 18209), (728, 18230), (730, 18233), (767, 18398), (786, 18464), (804, 18506), (861, 18716), (875, 18797), (895, 18908), (907, 18974), (911, 18995), (918, 19034), (921, 19064),

Gene: Bactobuster_27 Start: 18366, Stop: 20744, Start Num: 150
Candidate Starts for Bactobuster_27:
(Start: 145 @18348 has 7 MA's), (Start: 150 @18366 has 5 MA's), (160, 18399), (165, 18405), (201, 18501), (217, 18543), (272, 18699), (275, 18711), (276, 18714), (283, 18744), (284, 18753), (295, 18789), (298, 18798), (313, 18861), (319, 18894), (330, 18939), (335, 18960), (337, 18969), (356, 19074), (397, 19215), (471, 19383), (480, 19395), (521, 19461), (523, 19467), (548, 19518), (596, 19629), (601, 19647), (661, 19803), (685, 19857), (702, 19893), (720, 19944), (737, 20004), (743, 20037), (744, 20049), (753, 20082), (754, 20085), (798, 20223), (803, 20235), (820, 20277), (836, 20313), (838, 20325), (840, 20331), (885, 20541),

Gene: Badger_25 Start: 15880, Stop: 18480, Start Num: 95
Candidate Starts for Badger_25:
(Start: 95 @15880 has 129 MA's), (243, 16270), (282, 16399), (290, 16432), (298, 16459), (313, 16522), (337, 16630), (368, 16765), (478, 17050), (490, 17074), (519, 17119), (569, 17230), (571, 17236), (639, 17404), (661, 17452), (679, 17509), (697, 17569), (713, 17617), (723, 17650), (731, 17683), (737, 17701), (767, 17848), (774, 17866), (822, 17992), (851, 18082), (870, 18181), (881, 18247), (883, 18256), (895, 18316), (897, 18325), (902, 18361), (909, 18379), (916, 18412), (921, 18460),

Gene: Baehexic_27 Start: 17134, Stop: 19641, Start Num: 130
Candidate Starts for Baehexic_27:
(Start: 130 @17134 has 101 MA's), (173, 17245), (193, 17302), (253, 17488), (278, 17551), (285, 17584), (287, 17590), (330, 17770), (333, 17779), (337, 17800), (340, 17821), (341, 17824), (344, 17842), (355, 17902), (381, 18010), (388, 18052), (401, 18106), (407, 18127), (421, 18190), (422, 18193), (426, 18211), (432, 18232), (504, 18418), (511, 18433), (516, 18460), (534, 18517), (540, 18532), (542, 18538), (547, 18547), (550, 18553), (563, 18583), (568, 18604), (590, 18649), (601, 18655), (611, 18688), (620, 18715), (666, 18787), (671, 18799), (691, 18859), (701, 18886), (722, 18949), (734, 18994), (739, 19006), (746, 19042), (756, 19078), (761, 19111), (803, 19174), (814, 19198), (868, 19342), (886, 19441), (901, 19528), (924, 19627),

Gene: BangNhom_25 Start: 16196, Stop: 18796, Start Num: 95

Candidate Starts for BangNhom_25:
(Start: 95 @16196 has 129 MA's), (Start: 153 @16337 has 23 MA's), (Start: 163 @16355 has 10 MA's), (218, 16511), (238, 16562), (255, 16631), (290, 16748), (298, 16775), (313, 16838), (326, 16901), (337, 16946), (344, 16988), (362, 17072), (423, 17279), (460, 17339), (490, 17390), (519, 17435), (554, 17513), (569, 17546), (571, 17552), (639, 17720), (649, 17741), (659, 17765), (679, 17825), (680, 17831), (681, 17834), (697, 17885), (713, 17933), (731, 17999), (767, 18164), (774, 18182), (822, 18308), (880, 18560), (881, 18563), (883, 18572), (894, 18629), (895, 18632), (902, 18677), (916, 18728), (921, 18776),

Gene: Barriga_24 Start: 16199, Stop: 18670, Start Num: 135
Candidate Starts for Barriga_24:
(Start: 135 @16199 has 221 MA's), (Start: 150 @16238 has 5 MA's), (171, 16301), (182, 16331), (188, 16352), (196, 16373), (233, 16403), (240, 16427), (260, 16493), (313, 16691), (319, 16724), (335, 16790), (396, 17045), (407, 17066), (414, 17093), (492, 17252), (519, 17288), (566, 17381), (572, 17402), (579, 17417), (588, 17438), (591, 17441), (611, 17510), (625, 17546), (637, 17579), (652, 17615), (667, 17645), (681, 17681), (705, 17747), (713, 17768), (749, 17909), (786, 18050), (797, 18071), (841, 18206), (875, 18383), (895, 18494), (911, 18581), (918, 18620), (920, 18635),

Gene: BarrowTuph_23 Start: 16245, Stop: 18713, Start Num: 135
Candidate Starts for BarrowTuph_23:
(Start: 135 @16245 has 221 MA's), (Start: 144 @16260 has 1 MA's), (182, 16374), (188, 16395), (196, 16416), (233, 16446), (260, 16536), (313, 16734), (319, 16767), (335, 16833), (396, 17088), (407, 17109), (414, 17136), (492, 17295), (519, 17331), (566, 17424), (572, 17445), (597, 17502), (637, 17622), (652, 17658), (667, 17688), (681, 17724), (705, 17790), (713, 17811), (749, 17952), (786, 18093), (797, 18114), (841, 18249), (875, 18426), (895, 18537), (907, 18603), (911, 18624), (918, 18663), (920, 18678),

Gene: Bartimeaus_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Bartimeaus_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (679, 17514), (680, 17520), (681, 17523), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Battleship_29 Start: 15870, Stop: 18224, Start Num: 99
Candidate Starts for Battleship_29:
(Start: 95 @15861 has 129 MA's), (Start: 99 @15870 has 4 MA's), (Start: 156 @16038 has 18 MA's), (267, 16278), (269, 16284), (289, 16353), (304, 16410), (337, 16554), (344, 16596), (353, 16644), (354, 16647), (384, 16758), (387, 16776), (425, 16881), (445, 16929), (515, 17034), (541, 17094), (569, 17148), (592, 17184), (599, 17208), (602, 17217), (624, 17280), (636, 17301), (640, 17316), (654, 17340), (659, 17352), (689, 17406), (695, 17427), (709, 17457), (771, 17628), (777, 17649), (813, 17733), (887, 18036), (916, 18159), (917, 18171),

Gene: Beatrix_23 Start: 17117, Stop: 19777, Start Num: 135
Candidate Starts for Beatrix_23:
(Start: 135 @17117 has 221 MA's), (Start: 150 @17156 has 5 MA's), (171, 17219), (182, 17249), (196, 17291), (313, 17600), (326, 17663), (337, 17708), (342, 17732), (357, 17807), (360, 17819), (455, 18140), (566, 18470), (587, 18521), (597, 18548), (669, 18752), (710, 18866), (713, 18875), (720, 18896), (725, 18917), (749, 19016), (758, 19058), (759, 19061), (802, 19190), (830, 19274), (844, 19319), (895, 19601), (911, 19688), (918, 19727),

Gene: Beauxregard13_27 Start: 15979, Stop: 19005, Start Num: 48
Candidate Starts for Beauxregard13_27:
(40, 15925), (Start: 48 @15979 has 89 MA's), (71, 16093), (88, 16159), (90, 16162), (92, 16171), (104, 16207), (122, 16258), (148, 16330), (171, 16402), (212, 16522), (214, 16525), (225, 16594), (231, 16639), (256, 16732), (262, 16741), (268, 16759), (278, 16786), (294, 16849), (298, 16861), (306, 16894), (310, 16912), (323, 16978), (324, 16981), (326, 16987), (330, 17002), (333, 17011), (335, 17023), (337, 17032), (350, 17110), (354, 17125), (381, 17242), (382, 17245), (386, 17272), (388, 17284), (401, 17338), (407, 17359), (422, 17425), (432, 17464), (468, 17557), (483, 17605), (504, 17650), (520, 17698), (530, 17740), (534, 17749), (547, 17779), (549, 17782), (555, 17794), (573, 17851), (575, 17857), (589, 17878), (590, 17881), (666, 18019), (671, 18031), (691, 18091), (711, 18148), (749, 18286), (753, 18307), (757, 18331), (767, 18376), (774, 18394), (789, 18442), (793, 18454), (814, 18496), (835, 18559), (852, 18616), (865, 18685), (874, 18721), (887, 18802), (916, 18937),

Gene: Beemo_27 Start: 17624, Stop: 20533, Start Num: 66
Candidate Starts for Beemo_27:
(Start: 66 @17624 has 43 MA's), (69, 17636), (85, 17696), (Start: 138 @17855 has 1 MA's), (157, 17918), (178, 17981), (191, 18023), (214, 18080), (222, 18119), (258, 18290), (262, 18296), (267, 18311), (293, 18401), (294, 18404), (298, 18416), (309, 18458), (319, 18512), (337, 18587), (340, 18608), (341, 18611), (344, 18629), (356, 18692), (375, 18758), (381, 18797), (385, 18824), (388, 18839), (396, 18869), (401, 18893), (404, 18905), (407, 18914), (422, 18980), (432, 19019), (456, 19085), (468, 19112), (474, 19139), (518, 19250), (542, 19325), (563, 19370), (568, 19391), (575, 19412), (577, 19415), (589, 19433), (590, 19436), (609, 19463), (615, 19490), (644, 19544), (722, 19736), (726, 19751), (734, 19781), (747, 19832), (766, 19919), (768, 19928), (785, 19979), (814, 20042), (822, 20063), (833, 20099), (846, 20135), (847, 20141), (865, 20219), (872, 20246), (881, 20306), (895, 20375), (899, 20405), (905, 20432), (917, 20471), (922, 20513),

Gene: BeesKnees_25 Start: 16392, Stop: 18869, Start Num: 137
Candidate Starts for BeesKnees_25:
(Start: 137 @16392 has 9 MA's), (Start: 144 @16407 has 1 MA's), (182, 16521), (196, 16563), (284, 16770), (290, 16788), (313, 16878), (326, 16941), (333, 16965), (335, 16977), (344, 17028), (483, 17412), (538, 17514), (558, 17553), (569, 17580), (579, 17604), (625, 17733), (667, 17832), (705, 17934), (713, 17955), (725, 17997), (749, 18096), (762, 18159), (789, 18249), (834, 18378), (843, 18411), (875, 18582), (895, 18693), (907, 18759), (911, 18780), (918, 18819), (921, 18849),

Gene: Bellris_25 Start: 15668, Stop: 18586, Start Num: 66
Candidate Starts for Bellris_25:
(Start: 66 @15668 has 43 MA's), (69, 15680), (112, 15839), (129, 15881), (Start: 138 @15902 has 1 MA's), (178, 16028), (191, 16070), (212, 16124), (214, 16127), (236, 16253), (253, 16328), (256, 16337), (258, 16340), (264, 16352), (308, 16505), (310, 16517), (313, 16529), (314, 16538), (319, 16562), (323, 16583), (324, 16586), (330, 16607), (335, 16628), (337, 16637), (338, 16649), (347, 16697), (356, 16742), (381, 16847), (395, 16910), (400, 16940), (401, 16943), (407, 16964), (410, 16973), (412, 16985), (417, 17009), (422, 17030), (432, 17069), (504, 17255), (509, 17267), (518, 17300), (542, 17375), (547, 17384), (563, 17420), (568, 17441), (575, 17462), (577, 17465), (589, 17483), (590, 17486), (609, 17513), (615, 17540), (649, 17600), (685, 17678), (722, 17786), (734, 17831), (747, 17882), (764, 17963), (766, 17969), (768, 17978), (785, 18029), (814, 18092), (822, 18113), (833, 18152), (847, 18194), (865, 18272), (872, 18299), (881, 18359), (886, 18383), (899, 18458), (917, 18524), (922, 18566),

Gene: BellusTerra_25 Start: 15882, Stop: 18482, Start Num: 95
Candidate Starts for BellusTerra_25:
(Start: 95 @15882 has 129 MA's), (Start: 153 @16023 has 23 MA's), (Start: 163 @16041 has 10 MA's), (238, 16248), (248, 16287), (255, 16317), (290, 16434), (298, 16461), (313, 16524), (326,

16587), (337, 16632), (344, 16674), (362, 16758), (460, 17025), (490, 17076), (519, 17121), (554, 17199), (569, 17232), (571, 17238), (639, 17406), (649, 17427), (659, 17451), (679, 17511), (680, 17517), (681, 17520), (697, 17571), (713, 17619), (731, 17685), (767, 17850), (774, 17868), (822, 17994), (880, 18246), (881, 18249), (883, 18258), (895, 18318), (916, 18414), (921, 18462),

Gene: Benedict_22 Start: 15091, Stop: 17904, Start Num: 1
Candidate Starts for Benedict_22:
(Start: 1 @15091 has 40 MA's), (7, 15280), (64, 15628), (Start: 95 @15763 has 129 MA's), (97, 15769), (183, 15862), (206, 15913), (243, 15949), (272, 16039), (288, 16105), (294, 16126), (313, 16201), (319, 16234), (333, 16288), (338, 16321), (339, 16324), (341, 16333), (362, 16432), (367, 16441), (375, 16465), (412, 16594), (449, 16708), (511, 16759), (572, 16825), (632, 16918), (641, 16951), (686, 17038), (697, 17071), (703, 17083), (716, 17113), (749, 17176), (758, 17218), (777, 17290), (779, 17293), (789, 17317), (795, 17332), (804, 17359), (813, 17380), (842, 17467), (849, 17497), (850, 17500), (863, 17560), (880, 17659), (883, 17671), (885, 17683), (887, 17692), (916, 17839),

Gene: BengiVuitton_27 Start: 17042, Stop: 19579, Start Num: 130
Candidate Starts for BengiVuitton_27:
(Start: 130 @17042 has 101 MA's), (198, 17222), (199, 17225), (219, 17273), (249, 17393), (253, 17414), (256, 17423), (266, 17444), (278, 17477), (285, 17510), (298, 17552), (310, 17603), (314, 17624), (319, 17648), (320, 17651), (323, 17669), (333, 17702), (335, 17714), (337, 17723), (340, 17744), (341, 17747), (358, 17834), (381, 17933), (388, 17975), (391, 17984), (394, 17993), (407, 18050), (422, 18116), (432, 18155), (542, 18461), (547, 18470), (550, 18476), (555, 18485), (563, 18506), (569, 18530), (577, 18551), (590, 18572), (601, 18578), (611, 18611), (614, 18623), (671, 18722), (691, 18782), (701, 18809), (722, 18872), (734, 18917), (739, 18929), (821, 19145), (826, 19154), (866, 19265), (873, 19295), (886, 19379),

Gene: BennyP_29 Start: 16735, Stop: 18939, Start Num: 93
Candidate Starts for BennyP_29:
(41, 16576), (77, 16690), (Start: 93 @16735 has 49 MA's), (Start: 145 @16846 has 7 MA's), (147, 16852), (182, 16960), (196, 17002), (243, 17068), (273, 17161), (282, 17188), (313, 17311), (319, 17344), (339, 17434), (352, 17503), (425, 17746), (531, 17884), (623, 18004), (721, 18157), (749, 18220), (758, 18262), (789, 18361), (797, 18382), (804, 18403), (813, 18424), (830, 18475), (834, 18487), (840, 18502), (857, 18583), (873, 18661),

Gene: Benvolio_26 Start: 16721, Stop: 19258, Start Num: 130
Candidate Starts for Benvolio_26:
(Start: 130 @16721 has 101 MA's), (198, 16901), (211, 16934), (247, 17066), (249, 17072), (253, 17093), (256, 17102), (285, 17189), (298, 17231), (310, 17282), (318, 17318), (320, 17330), (323, 17348), (333, 17381), (335, 17393), (336, 17396), (337, 17402), (340, 17423), (341, 17426), (381, 17612), (388, 17654), (391, 17663), (394, 17672), (407, 17729), (422, 17795), (432, 17834), (487, 17987), (542, 18140), (547, 18149), (550, 18155), (555, 18164), (563, 18185), (569, 18209), (577, 18230), (590, 18251), (611, 18290), (614, 18302), (671, 18401), (691, 18461), (701, 18488), (722, 18551), (734, 18596), (746, 18644), (821, 18824), (826, 18833), (866, 18944), (873, 18974), (886, 19058),

Gene: Bethlehem_24 Start: 17626, Stop: 20097, Start Num: 135
Candidate Starts for Bethlehem_24:
(Start: 135 @17626 has 221 MA's), (Start: 150 @17665 has 5 MA's), (171, 17728), (182, 17758), (188, 17779), (196, 17800), (233, 17830), (240, 17854), (260, 17920), (313, 18118), (319, 18151), (335, 18217), (396, 18472), (407, 18493), (414, 18520), (492, 18679), (519, 18715), (566, 18808), (572, 18829), (597, 18886), (637, 19006), (652, 19042), (667, 19072), (681, 19108), (705, 19174), (713, 19195), (725, 19237), (749, 19336), (786, 19477), (797, 19498), (841, 19633), (875, 19810), (895, 19921), (907, 19987), (911, 20008), (918, 20047), (920, 20062),

Gene: Bexan_23 Start: 17348, Stop: 19819, Start Num: 135
Candidate Starts for Bexan_23:
(Start: 135 @17348 has 221 MA's), (Start: 150 @17387 has 5 MA's), (171, 17450), (182, 17480), (188, 17501), (196, 17522), (202, 17534), (233, 17552), (240, 17576), (246, 17597), (260, 17642), (313, 17840), (319, 17873), (335, 17939), (396, 18194), (407, 18215), (414, 18242), (492, 18401), (519, 18437), (566, 18530), (572, 18551), (597, 18608), (637, 18728), (652, 18764), (667, 18794), (681, 18830), (705, 18896), (713, 18917), (749, 19058), (786, 19199), (797, 19220), (841, 19355), (875, 19532), (895, 19643), (911, 19730), (918, 19769), (921, 19799),

Gene: BiancaTri92_28 Start: 18408, Stop: 20945, Start Num: 130
Candidate Starts for BiancaTri92_28:
(Start: 130 @18408 has 101 MA's), (198, 18588), (199, 18591), (219, 18639), (249, 18759), (253, 18780), (256, 18789), (266, 18810), (278, 18843), (285, 18876), (298, 18918), (309, 18960), (310, 18969), (320, 19017), (323, 19035), (333, 19068), (335, 19080), (337, 19089), (338, 19101), (340, 19110), (381, 19299), (385, 19326), (388, 19341), (401, 19395), (407, 19416), (422, 19482), (432, 19521), (462, 19608), (542, 19827), (550, 19842), (563, 19872), (568, 19893), (569, 19896), (573, 19908), (589, 19935), (611, 19977), (620, 20004), (644, 20046), (666, 20076), (671, 20088), (691, 20148), (701, 20175), (722, 20238), (734, 20283), (739, 20295), (773, 20433), (817, 20502), (821, 20511), (826, 20520), (866, 20631), (873, 20661), (879, 20715), (886, 20745),

Gene: Big3_24 Start: 16979, Stop: 19450, Start Num: 135
Candidate Starts for Big3_24:
(Start: 135 @16979 has 221 MA's), (Start: 150 @17018 has 5 MA's), (171, 17081), (182, 17111), (188, 17132), (196, 17153), (233, 17183), (240, 17207), (260, 17273), (313, 17471), (319, 17504), (335, 17570), (396, 17825), (407, 17846), (414, 17873), (492, 18032), (519, 18068), (566, 18161), (572, 18182), (579, 18197), (588, 18218), (591, 18221), (611, 18290), (625, 18326), (637, 18359), (652, 18395), (667, 18425), (681, 18461), (705, 18527), (713, 18548), (749, 18689), (786, 18830), (797, 18851), (841, 18986), (875, 19163), (895, 19274), (911, 19361), (918, 19400), (920, 19415),

Gene: BigMau_26 Start: 16571, Stop: 19051, Start Num: 135
Candidate Starts for BigMau_26:
(Start: 135 @16571 has 221 MA's), (Start: 150 @16610 has 5 MA's), (171, 16673), (182, 16703), (196, 16745), (284, 16952), (290, 16970), (313, 17060), (326, 17123), (333, 17147), (335, 17159), (344, 17210), (483, 17594), (538, 17696), (558, 17735), (566, 17750), (569, 17762), (579, 17786), (625, 17915), (667, 18014), (705, 18116), (713, 18137), (725, 18179), (749, 18278), (762, 18341), (789, 18431), (834, 18560), (843, 18593), (895, 18875), (907, 18941), (911, 18962), (918, 19001), (920, 19016),

Gene: BigPaolini_25 Start: 16999, Stop: 19470, Start Num: 135
Candidate Starts for BigPaolini_25:
(Start: 135 @16999 has 221 MA's), (Start: 150 @17038 has 5 MA's), (171, 17101), (182, 17131), (188, 17152), (196, 17173), (202, 17185), (233, 17203), (260, 17293), (313, 17491), (319, 17524), (335, 17590), (396, 17845), (407, 17866), (414, 17893), (492, 18052), (519, 18088), (566, 18181), (572, 18202), (579, 18217), (588, 18238), (591, 18241), (611, 18310), (625, 18346), (637, 18379), (652, 18415), (667, 18445), (681, 18481), (705, 18547), (713, 18568), (749, 18709), (786, 18850), (797, 18871), (841, 19006), (875, 19183), (895, 19294), (911, 19381), (918, 19420), (920, 19435),

Gene: Bigchungi_24 Start: 16372, Stop: 18843, Start Num: 135
Candidate Starts for Bigchungi_24:
(Start: 135 @16372 has 221 MA's), (Start: 150 @16411 has 5 MA's), (171, 16474), (182, 16504), (188, 16525), (196, 16546), (202, 16558), (233, 16576), (260, 16666), (313, 16864), (319, 16897), (335, 16963), (396, 17218), (407, 17239), (414, 17266), (492, 17425), (519, 17461), (566, 17554), (572,

17575), (597, 17632), (637, 17752), (652, 17788), (667, 17818), (681, 17854), (705, 17920), (713, 17941), (749, 18082), (786, 18223), (797, 18244), (875, 18556), (895, 18667), (902, 18709), (911, 18754), (918, 18793), (920, 18808),

Gene: Bigflo_27 Start: 15978, Stop: 19004, Start Num: 48
Candidate Starts for Bigflo_27:
(40, 15924), (Start: 48 @15978 has 89 MA's), (71, 16092), (88, 16158), (90, 16161), (92, 16170), (104, 16206), (122, 16257), (148, 16329), (171, 16401), (212, 16521), (214, 16524), (225, 16593), (231, 16638), (256, 16731), (262, 16740), (268, 16758), (278, 16785), (294, 16848), (298, 16860), (306, 16893), (310, 16911), (323, 16977), (324, 16980), (326, 16986), (330, 17001), (333, 17010), (335, 17022), (337, 17031), (350, 17109), (354, 17124), (381, 17241), (382, 17244), (386, 17271), (388, 17283), (401, 17337), (407, 17358), (422, 17424), (432, 17463), (468, 17556), (483, 17604), (504, 17649), (520, 17697), (530, 17739), (534, 17748), (547, 17778), (549, 17781), (555, 17793), (573, 17850), (575, 17856), (589, 17877), (590, 17880), (666, 18018), (671, 18030), (691, 18090), (711, 18147), (749, 18285), (753, 18306), (757, 18330), (767, 18375), (774, 18393), (789, 18441), (793, 18453), (814, 18495), (835, 18558), (852, 18615), (865, 18684), (874, 18720), (887, 18801), (916, 18936),

Gene: Bigfoot_23 Start: 16100, Stop: 18679, Start Num: 135
Candidate Starts for Bigfoot_23:
(Start: 135 @16100 has 221 MA's), (Start: 150 @16139 has 5 MA's), (171, 16202), (182, 16232), (275, 16451), (285, 16487), (326, 16655), (337, 16700), (341, 16724), (344, 16742), (433, 17054), (501, 17210), (536, 17312), (551, 17345), (581, 17417), (597, 17456), (625, 17543), (667, 17642), (705, 17744), (713, 17765), (718, 17777), (725, 17807), (749, 17906), (762, 17969), (789, 18059), (834, 18188), (843, 18221), (895, 18503), (911, 18590), (918, 18629), (921, 18659),

Gene: BillKnuckles_25 Start: 17064, Stop: 19535, Start Num: 135
Candidate Starts for BillKnuckles_25:
(Start: 135 @17064 has 221 MA's), (Start: 150 @17103 has 5 MA's), (171, 17166), (182, 17196), (188, 17217), (196, 17238), (202, 17250), (233, 17268), (246, 17313), (260, 17358), (313, 17556), (319, 17589), (335, 17655), (396, 17910), (407, 17931), (414, 17958), (492, 18117), (519, 18153), (566, 18246), (572, 18267), (597, 18324), (637, 18444), (652, 18480), (667, 18510), (681, 18546), (705, 18612), (713, 18633), (749, 18774), (786, 18915), (797, 18936), (841, 19071), (875, 19248), (895, 19359), (907, 19425), (911, 19446), (918, 19485), (920, 19500),

Gene: Bircsak_24 Start: 16849, Stop: 19329, Start Num: 135
Candidate Starts for Bircsak_24:
(Start: 135 @16849 has 221 MA's), (Start: 150 @16888 has 5 MA's), (171, 16951), (182, 16981), (196, 17023), (284, 17230), (290, 17248), (313, 17338), (326, 17401), (333, 17425), (335, 17437), (344, 17488), (483, 17872), (538, 17974), (558, 18013), (566, 18028), (569, 18040), (579, 18064), (667, 18292), (705, 18394), (713, 18415), (718, 18427), (725, 18457), (749, 18556), (762, 18619), (834, 18838), (843, 18871), (895, 19153), (911, 19240), (918, 19279), (921, 19309),

Gene: Blackflame_24 Start: 16381, Stop: 18852, Start Num: 135
Candidate Starts for Blackflame_24:
(Start: 135 @16381 has 221 MA's), (Start: 150 @16420 has 5 MA's), (171, 16483), (182, 16513), (188, 16534), (196, 16555), (202, 16567), (233, 16585), (260, 16675), (313, 16873), (319, 16906), (335, 16972), (396, 17227), (407, 17248), (414, 17275), (416, 17290), (492, 17434), (519, 17470), (566, 17563), (572, 17584), (597, 17641), (625, 17728), (637, 17761), (652, 17797), (667, 17827), (681, 17863), (705, 17929), (713, 17950), (749, 18091), (786, 18232), (797, 18253), (841, 18388), (875, 18565), (895, 18676), (911, 18763), (918, 18802), (921, 18832),

Gene: Blackmoor_25 Start: 15885, Stop: 18485, Start Num: 95

Candidate Starts for Blackmoor_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (679, 17514), (680, 17520), (681, 17523), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: BlessJoy_29 Start: 16715, Stop: 18931, Start Num: 93
Candidate Starts for BlessJoy_29:
(77, 16670), (Start: 93 @16715 has 49 MA's), (Start: 145 @16826 has 7 MA's), (196, 16982), (269, 17129), (273, 17141), (312, 17288), (313, 17291), (319, 17324), (339, 17414), (352, 17483), (375, 17558), (425, 17726), (623, 17984), (656, 18029), (721, 18137), (749, 18200), (758, 18242), (789, 18341), (797, 18362), (813, 18404), (830, 18455), (840, 18482), (857, 18563), (873, 18653),

Gene: Blesser_24 Start: 16659, Stop: 19238, Start Num: 135
Candidate Starts for Blesser_24:
(Start: 135 @16659 has 221 MA's), (Start: 150 @16698 has 5 MA's), (171, 16761), (182, 16791), (275, 17010), (285, 17046), (326, 17214), (337, 17259), (341, 17283), (344, 17301), (433, 17613), (501, 17769), (536, 17871), (551, 17904), (581, 17976), (597, 18015), (625, 18102), (667, 18201), (705, 18303), (713, 18324), (718, 18336), (725, 18366), (749, 18465), (762, 18528), (834, 18747), (843, 18780), (895, 19062), (911, 19149), (918, 19188), (921, 19218),

Gene: Blinn1_29 Start: 16777, Stop: 19005, Start Num: 93
Candidate Starts for Blinn1_29:
(41, 16618), (77, 16732), (Start: 93 @16777 has 49 MA's), (Start: 145 @16888 has 7 MA's), (147, 16894), (196, 17044), (273, 17203), (282, 17230), (312, 17350), (313, 17353), (319, 17386), (339, 17476), (352, 17545), (415, 17743), (425, 17788), (595, 17992), (623, 18046), (706, 18169), (749, 18268), (751, 18277), (755, 18298), (766, 18343), (770, 18355), (840, 18562), (845, 18580), (864, 18682), (866, 18691), (873, 18721),

Gene: BluSpix_24 Start: 16360, Stop: 18831, Start Num: 135
Candidate Starts for BluSpix_24:
(Start: 135 @16360 has 221 MA's), (Start: 150 @16399 has 5 MA's), (171, 16462), (182, 16492), (188, 16513), (196, 16534), (202, 16546), (233, 16564), (260, 16654), (313, 16852), (319, 16885), (335, 16951), (396, 17206), (407, 17227), (414, 17254), (492, 17413), (519, 17449), (566, 17542), (572, 17563), (597, 17620), (637, 17740), (652, 17776), (667, 17806), (681, 17842), (705, 17908), (713, 17929), (749, 18070), (786, 18211), (797, 18232), (841, 18367), (875, 18544), (895, 18655), (907, 18721), (911, 18742), (918, 18781), (921, 18811),

Gene: Blue_24 Start: 16469, Stop: 19303, Start Num: 135
Candidate Starts for Blue_24:
(Start: 135 @16469 has 221 MA's), (159, 16541), (257, 16784), (262, 16799), (276, 16844), (303, 16964), (307, 16982), (315, 17030), (323, 17075), (335, 17120), (336, 17123), (344, 17171), (385, 17354), (392, 17381), (412, 17465), (425, 17522), (431, 17540), (443, 17585), (455, 17621), (465, 17681), (479, 17729), (503, 17792), (505, 17795), (531, 17888), (538, 17912), (556, 17948), (566, 17975), (569, 17987), (575, 18005), (583, 18020), (604, 18083), (645, 18212), (664, 18257), (674, 18290), (678, 18302), (722, 18431), (745, 18527), (766, 18614), (767, 18617), (774, 18635), (841, 18839), (875, 19016), (895, 19127), (911, 19214), (918, 19253), (920, 19268),

Gene: Blue7_29 Start: 16707, Stop: 18923, Start Num: 93
Candidate Starts for Blue7_29:

(77, 16662), (Start: 93 @16707 has 49 MA's), (Start: 145 @16818 has 7 MA's), (196, 16974), (269, 17121), (273, 17133), (312, 17280), (313, 17283), (319, 17316), (339, 17406), (352, 17475), (375, 17550), (425, 17718), (623, 17976), (656, 18021), (721, 18129), (749, 18192), (758, 18234), (789, 18333), (797, 18354), (813, 18396), (830, 18447), (840, 18474), (857, 18555), (873, 18645),

Gene: BlueBird_26 Start: 15495, Stop: 18530, Start Num: 47
Candidate Starts for BlueBird_26:
(Start: 47 @15495 has 37 MA's), (87, 15669), (90, 15681), (Start: 99 @15714 has 4 MA's), (171, 15924), (212, 16044), (214, 16047), (256, 16251), (266, 16272), (277, 16302), (278, 16305), (294, 16368), (298, 16380), (306, 16413), (310, 16431), (324, 16500), (326, 16506), (330, 16521), (333, 16530), (335, 16542), (337, 16551), (354, 16644), (381, 16761), (382, 16764), (385, 16788), (386, 16791), (388, 16803), (401, 16857), (407, 16878), (412, 16899), (422, 16944), (427, 16971), (432, 16983), (483, 17124), (504, 17169), (511, 17184), (530, 17259), (534, 17268), (547, 17298), (555, 17313), (557, 17316), (563, 17334), (568, 17355), (569, 17358), (589, 17397), (590, 17400), (633, 17484), (671, 17550), (677, 17571), (691, 17610), (707, 17649), (713, 17670), (722, 17700), (723, 17703), (725, 17712), (730, 17736), (749, 17805), (753, 17826), (767, 17895), (774, 17913), (789, 17961), (793, 17973), (814, 18015), (818, 18027), (833, 18075), (874, 18246), (877, 18276), (883, 18306), (887, 18327), (916, 18462), (921, 18510),

Gene: Bluefalcon_21 Start: 15319, Stop: 18660, Start Num: 1
Candidate Starts for Bluefalcon_21:
(Start: 1 @15319 has 40 MA's), (19, 15757), (Start: 95 @16069 has 129 MA's), (118, 16147), (131, 16177), (152, 16234), (202, 16381), (204, 16387), (206, 16393), (269, 16519), (273, 16531), (313, 16681), (320, 16717), (326, 16747), (330, 16762), (337, 16792), (338, 16804), (343, 16828), (356, 16897), (379, 16963), (425, 17119), (457, 17188), (458, 17191), (472, 17218), (485, 17242), (543, 17380), (556, 17401), (572, 17446), (593, 17488), (672, 17680), (680, 17710), (690, 17734), (693, 17746), (699, 17767), (716, 17809), (740, 17896), (749, 17932), (753, 17953), (758, 17974), (781, 18052), (789, 18073), (797, 18094), (804, 18115), (813, 18136), (822, 18160), (842, 18223), (863, 18316), (866, 18334), (880, 18415), (883, 18427), (885, 18439), (887, 18448), (898, 18502), (915, 18586), (916, 18595),

Gene: Bob3_23 Start: 15911, Stop: 18391, Start Num: 135
Candidate Starts for Bob3_23:
(Start: 135 @15911 has 221 MA's), (Start: 150 @15950 has 5 MA's), (171, 16013), (182, 16043), (196, 16085), (284, 16292), (290, 16310), (313, 16400), (326, 16463), (333, 16487), (335, 16499), (344, 16550), (483, 16934), (538, 17036), (558, 17075), (566, 17090), (569, 17102), (579, 17126), (625, 17255), (667, 17354), (705, 17456), (713, 17477), (725, 17519), (749, 17618), (762, 17681), (789, 17771), (834, 17900), (843, 17933), (895, 18215), (907, 18281), (911, 18302), (918, 18341), (920, 18356),

Gene: BobSwaget_29 Start: 18249, Stop: 20777, Start Num: 130
Candidate Starts for BobSwaget_29:
(Start: 130 @18249 has 101 MA's), (173, 18360), (175, 18372), (198, 18429), (199, 18432), (253, 18621), (278, 18684), (309, 18801), (310, 18810), (314, 18831), (319, 18855), (335, 18921), (337, 18930), (340, 18951), (341, 18954), (381, 19140), (388, 19182), (407, 19257), (422, 19323), (432, 19362), (504, 19548), (534, 19647), (542, 19668), (563, 19713), (589, 19776), (611, 19818), (620, 19845), (666, 19917), (671, 19929), (698, 20013), (699, 20016), (722, 20079), (734, 20124), (739, 20136), (757, 20220), (773, 20274), (809, 20325), (826, 20358), (846, 20382), (873, 20499), (886, 20577),

Gene: BogosyJay_27 Start: 17339, Stop: 20263, Start Num: 66
Candidate Starts for BogosyJay_27:

(Start: 66 @17339 has 43 MA's), (69, 17351), (73, 17375), (76, 17387), (Start: 138 @17576 has 1 MA's), (157, 17639), (178, 17702), (191, 17744), (214, 17801), (215, 17807), (258, 18017), (262, 18023), (267, 18038), (283, 18089), (293, 18128), (298, 18143), (309, 18185), (310, 18194), (319, 18239), (324, 18263), (337, 18314), (340, 18335), (341, 18338), (344, 18356), (375, 18485), (381, 18524), (385, 18551), (388, 18566), (396, 18596), (401, 18620), (407, 18641), (422, 18707), (432, 18746), (468, 18839), (474, 18866), (504, 18932), (518, 18977), (542, 19052), (563, 19097), (568, 19118), (575, 19139), (577, 19142), (589, 19160), (590, 19163), (609, 19190), (610, 19193), (615, 19217), (649, 19277), (653, 19289), (685, 19355), (722, 19463), (734, 19508), (739, 19520), (746, 19556), (747, 19559), (757, 19604), (764, 19640), (768, 19655), (785, 19706), (814, 19769), (833, 19829), (847, 19871), (865, 19949), (872, 19976), (874, 19985), (881, 20036), (899, 20135), (905, 20162), (917, 20201), (922, 20243),

Gene: Bombshell_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Bombshell_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Bonamassa_22 Start: 15244, Stop: 18582, Start Num: 1
Candidate Starts for Bonamassa_22:
(Start: 1 @15244 has 40 MA's), (19, 15682), (Start: 95 @15994 has 129 MA's), (118, 16072), (131, 16102), (152, 16159), (179, 16243), (202, 16306), (204, 16312), (267, 16432), (293, 16522), (294, 16525), (313, 16600), (322, 16645), (326, 16663), (337, 16708), (340, 16729), (385, 16921), (435, 17059), (458, 17107), (499, 17185), (548, 17311), (556, 17323), (565, 17347), (593, 17410), (672, 17602), (680, 17632), (690, 17656), (693, 17668), (716, 17731), (749, 17854), (753, 17875), (758, 17896), (781, 17974), (789, 17995), (804, 18037), (813, 18058), (842, 18145), (849, 18175), (863, 18238), (866, 18256), (880, 18337), (883, 18349), (885, 18361), (887, 18370), (898, 18424), (915, 18508), (919, 18547),

Gene: Bones_24 Start: 16097, Stop: 18757, Start Num: 135
Candidate Starts for Bones_24:
(Start: 135 @16097 has 221 MA's), (Start: 150 @16136 has 5 MA's), (171, 16199), (182, 16229), (196, 16271), (313, 16580), (326, 16643), (337, 16688), (342, 16712), (357, 16787), (360, 16799), (455, 17120), (566, 17450), (587, 17501), (597, 17528), (669, 17732), (710, 17846), (713, 17855), (720, 17876), (725, 17897), (749, 17996), (758, 18038), (759, 18041), (802, 18170), (830, 18254), (844, 18299), (895, 18581), (907, 18647), (911, 18668), (918, 18707), (920, 18722),

Gene: Boohoo_28 Start: 15923, Stop: 18112, Start Num: 156
Candidate Starts for Boohoo_28:
(Start: 95 @15746 has 129 MA's), (Start: 99 @15755 has 4 MA's), (Start: 156 @15923 has 18 MA's), (267, 16166), (269, 16172), (289, 16241), (304, 16298), (337, 16442), (344, 16484), (353, 16532), (354, 16535), (384, 16646), (387, 16664), (425, 16769), (445, 16817), (515, 16922), (541, 16982), (569, 17036), (592, 17072), (599, 17096), (602, 17105), (624, 17168), (636, 17189), (640, 17204), (654, 17228), (659, 17240), (689, 17294), (695, 17315), (709, 17345), (771, 17516), (777, 17537), (813, 17621), (887, 17924), (916, 18047), (917, 18059),

Gene: Bowtie_26 Start: 17163, Stop: 19709, Start Num: 91
Candidate Starts for Bowtie_26:
(Start: 91 @17163 has 24 MA's), (Start: 96 @17181 has 4 MA's), (Start: 156 @17355 has 18 MA's), (159, 17364), (196, 17439), (248, 17493), (265, 17547), (270, 17562), (271, 17565), (278, 17583),

(294, 17646), (298, 17658), (313, 17721), (326, 17784), (330, 17799), (333, 17808), (337, 17829), (341, 17853), (344, 17868), (364, 17955), (366, 17958), (372, 17973), (378, 17994), (380, 18006), (396, 18072), (418, 18144), (425, 18168), (454, 18249), (457, 18258), (462, 18270), (471, 18312), (513, 18369), (532, 18423), (577, 18531), (595, 18570), (647, 18711), (690, 18807), (695, 18828), (708, 18861), (721, 18894), (722, 18897), (748, 18981), (758, 19026), (759, 19029), (792, 19143), (804, 19176), (830, 19248), (842, 19284), (857, 19356), (873, 19434), (881, 19488), (886, 19512), (912, 19623),

Gene: Bradman_25 Start: 15528, Stop: 18041, Start Num: 130
Candidate Starts for Bradman_25:
(Start: 130 @15528 has 101 MA's), (173, 15639), (197, 15705), (198, 15708), (199, 15711), (253, 15897), (256, 15906), (262, 15915), (298, 16035), (310, 16086), (321, 16143), (324, 16155), (326, 16161), (330, 16176), (335, 16197), (337, 16206), (345, 16254), (381, 16416), (386, 16446), (388, 16458), (398, 16497), (401, 16512), (407, 16533), (420, 16590), (422, 16599), (427, 16626), (462, 16725), (504, 16824), (511, 16839), (534, 16923), (542, 16944), (563, 16989), (589, 17052), (590, 17055), (614, 17106), (620, 17121), (691, 17265), (701, 17292), (722, 17355), (726, 17370), (734, 17400), (757, 17496), (775, 17562), (821, 17625), (881, 17820), (882, 17823), (886, 17844),

Gene: BreSam8_27 Start: 15972, Stop: 18998, Start Num: 48
Candidate Starts for BreSam8_27:
(40, 15918), (Start: 48 @15972 has 89 MA's), (71, 16086), (88, 16152), (90, 16155), (92, 16164), (104, 16200), (122, 16251), (148, 16323), (171, 16395), (212, 16515), (214, 16518), (225, 16587), (231, 16632), (256, 16725), (262, 16734), (268, 16752), (278, 16779), (294, 16842), (298, 16854), (306, 16887), (310, 16905), (323, 16971), (324, 16974), (326, 16980), (330, 16995), (333, 17004), (335, 17016), (337, 17025), (354, 17118), (381, 17235), (382, 17238), (386, 17265), (388, 17277), (401, 17331), (407, 17352), (422, 17418), (427, 17445), (468, 17550), (483, 17598), (504, 17643), (520, 17691), (530, 17733), (534, 17742), (547, 17772), (549, 17775), (555, 17787), (573, 17844), (575, 17850), (589, 17871), (590, 17874), (666, 18012), (671, 18024), (691, 18084), (713, 18144), (722, 18174), (723, 18177), (725, 18186), (749, 18279), (767, 18369), (789, 18435), (793, 18447), (814, 18489), (835, 18552), (852, 18609), (865, 18678), (874, 18714), (887, 18795), (916, 18930),

Gene: Briton15_26 Start: 16649, Stop: 19126, Start Num: 137
Candidate Starts for Briton15_26:
(Start: 137 @16649 has 9 MA's), (Start: 144 @16664 has 1 MA's), (182, 16778), (196, 16820), (284, 17027), (290, 17045), (313, 17135), (326, 17198), (333, 17222), (335, 17234), (344, 17285), (483, 17669), (538, 17771), (558, 17810), (569, 17837), (579, 17861), (625, 17990), (667, 18089), (705, 18191), (713, 18212), (725, 18254), (749, 18353), (762, 18416), (789, 18506), (834, 18635), (843, 18668), (875, 18839), (895, 18950), (907, 19016), (911, 19037), (918, 19076), (920, 19091),

Gene: Broseidon_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Broseidon_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (679, 17514), (680, 17520), (681, 17523), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Bruiser_24 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Bruiser_24:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554,

17202), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (679, 17514), (680, 17520), (681, 17523), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Bruns_23 Start: 16283, Stop: 18754, Start Num: 135
Candidate Starts for Bruns_23:
(Start: 135 @16283 has 221 MA's), (Start: 150 @16322 has 5 MA's), (171, 16385), (182, 16415), (188, 16436), (196, 16457), (202, 16469), (233, 16487), (260, 16577), (313, 16775), (319, 16808), (335, 16874), (396, 17129), (407, 17150), (414, 17177), (492, 17336), (519, 17372), (566, 17465), (572, 17486), (579, 17501), (588, 17522), (591, 17525), (611, 17594), (625, 17630), (637, 17663), (652, 17699), (656, 17708), (667, 17729), (681, 17765), (705, 17831), (713, 17852), (749, 17993), (786, 18134), (797, 18155), (841, 18290), (875, 18467), (895, 18578), (911, 18665), (918, 18704), (920, 18719),

Gene: BubbleTrouble_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for BubbleTrouble_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (619, 17355), (639, 17409), (659, 17454), (679, 17514), (685, 17532), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Buckaroo_24 Start: 16030, Stop: 18489, Start Num: 153
Candidate Starts for Buckaroo_24:
(Start: 95 @15889 has 129 MA's), (Start: 153 @16030 has 23 MA's), (Start: 163 @16048 has 10 MA's), (238, 16255), (248, 16294), (255, 16324), (290, 16441), (298, 16468), (313, 16531), (326, 16594), (337, 16639), (344, 16681), (362, 16765), (460, 17032), (490, 17083), (519, 17128), (554, 17206), (571, 17245), (581, 17266), (639, 17413), (649, 17434), (659, 17458), (679, 17518), (680, 17524), (681, 17527), (697, 17578), (713, 17626), (731, 17692), (767, 17857), (774, 17875), (822, 18001), (880, 18253), (881, 18256), (883, 18265), (895, 18325), (916, 18421), (921, 18469),

Gene: Bud_26 Start: 17169, Stop: 19715, Start Num: 91
Candidate Starts for Bud_26:
(Start: 91 @17169 has 24 MA's), (Start: 96 @17187 has 4 MA's), (Start: 156 @17361 has 18 MA's), (159, 17370), (196, 17445), (248, 17499), (265, 17553), (270, 17568), (271, 17571), (278, 17589), (294, 17652), (298, 17664), (313, 17727), (326, 17790), (330, 17805), (333, 17814), (337, 17835), (341, 17859), (344, 17874), (364, 17961), (366, 17964), (372, 17979), (378, 18000), (380, 18012), (396, 18078), (416, 18141), (418, 18150), (425, 18174), (454, 18255), (457, 18264), (462, 18276), (471, 18318), (513, 18375), (532, 18429), (577, 18537), (595, 18576), (647, 18717), (690, 18813), (695, 18834), (708, 18867), (721, 18900), (722, 18903), (748, 18987), (758, 19032), (759, 19035), (792, 19149), (804, 19182), (830, 19254), (842, 19290), (857, 19362), (873, 19440), (881, 19494), (886, 19518), (912, 19629),

Gene: Bugatti_26 Start: 15495, Stop: 18530, Start Num: 47
Candidate Starts for Bugatti_26:
(Start: 47 @15495 has 37 MA's), (87, 15669), (90, 15681), (Start: 99 @15714 has 4 MA's), (171, 15924), (212, 16044), (214, 16047), (256, 16251), (266, 16272), (277, 16302), (278, 16305), (294, 16368), (298, 16380), (306, 16413), (310, 16431), (324, 16500), (326, 16506), (330, 16521), (333, 16530), (335, 16542), (337, 16551), (354, 16644), (381, 16761), (382, 16764), (385, 16788), (386, 16791), (388, 16803), (401, 16857), (407, 16878), (412, 16899), (422, 16944), (427, 16971), (432, 16983), (483, 17124), (504, 17169), (511, 17184), (530, 17259), (534, 17268), (547, 17298), (555, 17313), (557, 17316), (563, 17334), (568, 17355), (569, 17358), (589, 17397), (590, 17400), (633,

17484), (671, 17550), (677, 17571), (691, 17610), (707, 17649), (713, 17670), (722, 17700), (723, 17703), (725, 17712), (730, 17736), (749, 17805), (753, 17826), (767, 17895), (774, 17913), (789, 17961), (793, 17973), (814, 18015), (818, 18027), (833, 18075), (874, 18246), (877, 18276), (883, 18306), (887, 18327), (916, 18462), (921, 18510),

Gene: Bugsy_28 Start: 17119, Stop: 19662, Start Num: 130
Candidate Starts for Bugsy_28:
(Start: 130 @17119 has 101 MA's), (198, 17299), (199, 17302), (247, 17470), (249, 17476), (253, 17497), (256, 17506), (262, 17515), (266, 17527), (281, 17572), (285, 17593), (298, 17635), (310, 17686), (319, 17731), (320, 17734), (323, 17752), (333, 17785), (335, 17797), (337, 17806), (340, 17827), (341, 17830), (358, 17917), (381, 18016), (388, 18058), (391, 18067), (394, 18076), (407, 18133), (422, 18199), (432, 18238), (468, 18331), (478, 18367), (504, 18424), (524, 18490), (534, 18523), (540, 18538), (542, 18544), (547, 18553), (555, 18568), (563, 18589), (568, 18610), (575, 18631), (577, 18634), (589, 18652), (590, 18655), (614, 18706), (644, 18763), (653, 18781), (671, 18805), (691, 18865), (701, 18892), (722, 18955), (734, 19000), (766, 19138), (821, 19228), (826, 19237), (846, 19261), (866, 19348), (873, 19378), (886, 19462),

Gene: Bumblebee11_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Bumblebee11_25:
(Start: 95 @15885 has 129 MA's), (218, 16200), (230, 16227), (243, 16275), (261, 16332), (290, 16437), (294, 16452), (298, 16464), (313, 16527), (337, 16635), (340, 16656), (344, 16677), (490, 17079), (517, 17121), (519, 17124), (569, 17235), (571, 17241), (628, 17373), (639, 17409), (661, 17457), (697, 17574), (731, 17688), (767, 17853), (774, 17871), (815, 17985), (822, 17997), (851, 18087), (869, 18180), (881, 18252), (883, 18261), (895, 18321), (897, 18330), (916, 18417), (921, 18465),

Gene: Burger_24 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Burger_24:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (423, 16968), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (613, 17337), (615, 17346), (639, 17409), (649, 17430), (661, 17457), (679, 17514), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Burton_25 Start: 16481, Stop: 18952, Start Num: 135
Candidate Starts for Burton_25:
(Start: 135 @16481 has 221 MA's), (Start: 150 @16520 has 5 MA's), (171, 16583), (182, 16613), (188, 16634), (196, 16655), (202, 16667), (233, 16685), (240, 16709), (260, 16775), (313, 16973), (319, 17006), (335, 17072), (396, 17327), (407, 17348), (414, 17375), (492, 17534), (519, 17570), (566, 17663), (572, 17684), (597, 17741), (637, 17861), (652, 17897), (667, 17927), (681, 17963), (705, 18029), (713, 18050), (749, 18191), (786, 18332), (797, 18353), (841, 18488), (875, 18665), (895, 18776), (907, 18842), (911, 18863), (918, 18902), (920, 18917),

Gene: Buttons_25 Start: 16845, Stop: 19313, Start Num: 135
Candidate Starts for Buttons_25:
(Start: 135 @16845 has 221 MA's), (Start: 150 @16884 has 5 MA's), (171, 16947), (182, 16977), (188, 16998), (196, 17019), (202, 17031), (233, 17049), (260, 17139), (313, 17334), (319, 17367), (335, 17433), (396, 17688), (407, 17709), (414, 17736), (423, 17775), (448, 17832), (478, 17862), (492, 17895), (519, 17931), (566, 18024), (572, 18045), (597, 18102), (637, 18222), (652, 18258), (667, 18288), (681, 18324), (705, 18390), (713, 18411), (725, 18453), (749, 18552), (786, 18693), (797, 18714), (861, 18945), (875, 19026), (895, 19137), (911, 19224), (918, 19263), (920, 19278),

Gene: BuzzBuzz_26 Start: 16063, Stop: 19089, Start Num: 48
Candidate Starts for BuzzBuzz_26:
(40, 16009), (Start: 48 @16063 has 89 MA's), (71, 16177), (88, 16243), (90, 16246), (92, 16255), (104, 16291), (122, 16342), (148, 16414), (171, 16486), (212, 16606), (214, 16609), (225, 16678), (231, 16723), (256, 16816), (262, 16825), (268, 16843), (278, 16870), (294, 16933), (298, 16945), (306, 16978), (310, 16996), (323, 17062), (324, 17065), (326, 17071), (330, 17086), (333, 17095), (335, 17107), (337, 17116), (350, 17194), (354, 17209), (381, 17326), (382, 17329), (386, 17356), (388, 17368), (401, 17422), (407, 17443), (422, 17509), (432, 17548), (468, 17641), (483, 17689), (504, 17734), (520, 17782), (530, 17824), (534, 17833), (547, 17863), (549, 17866), (555, 17878), (573, 17935), (575, 17941), (589, 17962), (590, 17965), (666, 18103), (671, 18115), (691, 18175), (711, 18232), (749, 18370), (753, 18391), (757, 18415), (767, 18460), (774, 18478), (789, 18526), (793, 18538), (814, 18580), (835, 18643), (852, 18700), (865, 18769), (874, 18805), (887, 18886), (916, 19021),

Gene: Bxb1_22 Start: 16432, Stop: 18903, Start Num: 135
Candidate Starts for Bxb1_22:
(Start: 135 @16432 has 221 MA's), (Start: 150 @16471 has 5 MA's), (171, 16534), (182, 16564), (188, 16585), (196, 16606), (202, 16618), (233, 16636), (246, 16681), (260, 16726), (313, 16924), (319, 16957), (335, 17023), (396, 17278), (407, 17299), (414, 17326), (492, 17485), (519, 17521), (566, 17614), (572, 17635), (597, 17692), (637, 17812), (652, 17848), (667, 17878), (681, 17914), (705, 17980), (713, 18001), (749, 18142), (786, 18283), (797, 18304), (841, 18439), (875, 18616), (895, 18727), (907, 18793), (911, 18814), (918, 18853), (920, 18868),

Gene: Bxz2_26 Start: 16073, Stop: 19099, Start Num: 48
Candidate Starts for Bxz2_26:
(40, 16019), (Start: 48 @16073 has 89 MA's), (71, 16187), (88, 16253), (90, 16256), (92, 16265), (104, 16301), (122, 16352), (148, 16424), (171, 16496), (212, 16616), (214, 16619), (225, 16688), (231, 16733), (256, 16826), (262, 16835), (268, 16853), (278, 16880), (294, 16943), (298, 16955), (306, 16988), (310, 17006), (323, 17072), (324, 17075), (326, 17081), (330, 17096), (333, 17105), (335, 17117), (337, 17126), (350, 17204), (354, 17219), (381, 17336), (382, 17339), (386, 17366), (388, 17378), (401, 17432), (407, 17453), (422, 17519), (432, 17558), (468, 17651), (483, 17699), (504, 17744), (520, 17792), (530, 17834), (534, 17843), (547, 17873), (549, 17876), (555, 17888), (573, 17945), (575, 17951), (589, 17972), (590, 17975), (666, 18113), (671, 18125), (691, 18185), (711, 18242), (749, 18380), (753, 18401), (757, 18425), (767, 18470), (774, 18488), (789, 18536), (793, 18548), (814, 18590), (835, 18653), (852, 18710), (865, 18779), (874, 18815), (887, 18896), (916, 19031),

Gene: C3_24 Start: 16651, Stop: 19164, Start Num: 130
Candidate Starts for C3_24:
(Start: 130 @16651 has 101 MA's), (198, 16831), (199, 16834), (233, 16945), (278, 17080), (293, 17140), (298, 17155), (305, 17185), (306, 17188), (323, 17272), (330, 17296), (336, 17320), (340, 17347), (341, 17350), (363, 17461), (381, 17536), (385, 17563), (388, 17578), (401, 17632), (407, 17653), (422, 17719), (426, 17737), (427, 17746), (462, 17845), (474, 17878), (478, 17887), (504, 17944), (511, 17959), (542, 18064), (590, 18175), (604, 18187), (605, 18193), (614, 18226), (677, 18346), (722, 18475), (726, 18490), (734, 18520), (739, 18532), (746, 18568), (775, 18682), (795, 18694), (817, 18736), (882, 18943), (885, 18961), (886, 18964), (924, 19150),

Gene: CRB1_26 Start: 16605, Stop: 19142, Start Num: 130
Candidate Starts for CRB1_26:
(Start: 130 @16605 has 101 MA's), (198, 16785), (199, 16788), (219, 16836), (247, 16950), (249, 16956), (253, 16977), (256, 16986), (264, 17001), (285, 17073), (298, 17115), (310, 17166), (320, 17214), (323, 17232), (333, 17265), (335, 17277), (337, 17286), (381, 17496), (388, 17538), (391,

17547), (394, 17556), (407, 17613), (421, 17676), (422, 17679), (432, 17718), (487, 17871), (490, 17877), (504, 17904), (518, 17949), (542, 18024), (547, 18033), (555, 18048), (563, 18069), (569, 18093), (577, 18114), (590, 18135), (614, 18186), (644, 18243), (671, 18285), (688, 18336), (691, 18345), (701, 18372), (722, 18435), (766, 18618), (821, 18708), (826, 18717), (866, 18828), (873, 18858), (886, 18942),

Gene: CactusRose_23 Start: 16092, Stop: 18752, Start Num: 135
Candidate Starts for CactusRose_23:
(Start: 135 @16092 has 221 MA's), (Start: 150 @16131 has 5 MA's), (171, 16194), (Start: 174 @16200 has 1 MA's), (182, 16224), (196, 16266), (313, 16575), (326, 16638), (337, 16683), (342, 16707), (357, 16782), (360, 16794), (455, 17115), (566, 17445), (587, 17496), (597, 17523), (669, 17727), (710, 17841), (713, 17850), (720, 17871), (725, 17892), (749, 17991), (758, 18033), (759, 18036), (780, 18111), (802, 18165), (830, 18249), (844, 18294), (895, 18576), (911, 18663), (918, 18702), (920, 18717),

Gene: Caelakin_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Caelakin_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (679, 17514), (680, 17520), (681, 17523), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Caitlin_22 Start: 14546, Stop: 17623, Start Num: 12
Candidate Starts for Caitlin_22:
(Start: 12 @14546 has 13 MA's), (16, 14630), (32, 14798), (36, 14822), (53, 14870), (82, 14990), (102, 15062), (158, 15212), (159, 15215), (162, 15221), (248, 15407), (267, 15467), (269, 15473), (288, 15539), (296, 15566), (299, 15581), (312, 15632), (313, 15635), (319, 15668), (326, 15701), (364, 15869), (418, 16052), (425, 16076), (445, 16124), (457, 16145), (458, 16148), (527, 16292), (548, 16349), (561, 16379), (574, 16418), (606, 16490), (614, 16520), (662, 16619), (674, 16649), (690, 16694), (749, 16892), (753, 16913), (756, 16925), (789, 17033), (813, 17096), (822, 17120), (832, 17150), (842, 17183), (850, 17216), (863, 17276), (868, 17303), (886, 17402), (887, 17408), (904, 17498), (912, 17519), (918, 17558), (925, 17606),

Gene: Calvinny_27 Start: 16057, Stop: 19083, Start Num: 48
Candidate Starts for Calvinny_27:
(40, 16003), (Start: 48 @16057 has 89 MA's), (71, 16171), (88, 16237), (90, 16240), (92, 16249), (104, 16285), (122, 16336), (148, 16408), (171, 16480), (212, 16600), (214, 16603), (225, 16672), (231, 16717), (256, 16810), (262, 16819), (278, 16864), (287, 16903), (294, 16927), (298, 16939), (306, 16972), (310, 16990), (314, 17011), (324, 17059), (326, 17065), (330, 17080), (333, 17089), (335, 17101), (337, 17110), (354, 17203), (377, 17290), (381, 17320), (382, 17323), (386, 17350), (388, 17362), (401, 17416), (407, 17437), (415, 17467), (422, 17503), (462, 17629), (483, 17683), (504, 17728), (520, 17776), (530, 17818), (534, 17827), (547, 17857), (573, 17929), (575, 17935), (589, 17956), (590, 17959), (604, 17971), (655, 18088), (666, 18097), (691, 18169), (692, 18172), (707, 18208), (722, 18259), (723, 18262), (725, 18271), (767, 18454), (789, 18520), (793, 18532), (814, 18574), (835, 18637), (852, 18694), (865, 18763), (874, 18799), (887, 18880), (916, 19015), (917, 19027),

Gene: Camperdownii_24 Start: 15504, Stop: 18104, Start Num: 95
Candidate Starts for Camperdownii_24:
(Start: 95 @15504 has 129 MA's), (Start: 153 @15645 has 23 MA's), (Start: 163 @15663 has 10 MA's), (218, 15819), (238, 15870), (248, 15909), (255, 15939), (298, 16083), (313, 16146), (326,

16209), (337, 16254), (344, 16296), (362, 16380), (460, 16647), (490, 16698), (519, 16743), (554, 16821), (569, 16854), (571, 16860), (619, 16974), (639, 17028), (659, 17073), (679, 17133), (697, 17193), (731, 17307), (767, 17472), (774, 17490), (822, 17616), (880, 17868), (881, 17871), (883, 17880), (895, 17940), (916, 18036), (921, 18084),

Gene: Candra_29 Start: 16771, Stop: 18975, Start Num: 93
Candidate Starts for Candra_29:
(41, 16612), (77, 16726), (Start: 93 @16771 has 49 MA's), (Start: 145 @16882 has 7 MA's), (147, 16888), (182, 16996), (196, 17038), (243, 17104), (273, 17197), (282, 17224), (313, 17347), (319, 17380), (339, 17470), (352, 17539), (425, 17782), (531, 17920), (623, 18040), (721, 18193), (749, 18256), (758, 18298), (789, 18397), (797, 18418), (804, 18439), (813, 18460), (830, 18511), (834, 18523), (840, 18538), (857, 18619), (873, 18697),

Gene: Caraxes_25 Start: 15270, Stop: 17795, Start Num: 127
Candidate Starts for Caraxes_25:
(Start: 127 @15270 has 6 MA's), (134, 15288), (173, 15393), (197, 15459), (198, 15462), (199, 15465), (236, 15585), (262, 15666), (278, 15711), (298, 15786), (309, 15828), (319, 15882), (323, 15903), (333, 15936), (337, 15957), (340, 15978), (341, 15981), (381, 16167), (385, 16194), (388, 16209), (401, 16263), (407, 16284), (422, 16350), (504, 16575), (511, 16590), (516, 16617), (518, 16620), (542, 16695), (555, 16719), (557, 16722), (563, 16740), (589, 16803), (590, 16806), (611, 16845), (614, 16857), (666, 16944), (671, 16956), (691, 17016), (692, 17019), (701, 17043), (711, 17073), (722, 17106), (757, 17247), (775, 17313), (821, 17376), (882, 17574), (886, 17595), (899, 17670), (913, 17706), (923, 17781),

Gene: Carlyle_26 Start: 17233, Stop: 19632, Start Num: 135
Candidate Starts for Carlyle_26:
(Start: 135 @17233 has 221 MA's), (Start: 150 @17272 has 5 MA's), (171, 17335), (182, 17365), (188, 17386), (196, 17407), (202, 17419), (208, 17437), (260, 17527), (313, 17725), (319, 17758), (335, 17824), (406, 18079), (413, 18100), (418, 18127), (434, 18166), (483, 18223), (514, 18253), (598, 18415), (661, 18568), (667, 18580), (675, 18595), (711, 18712), (725, 18757), (728, 18778), (730, 18781), (762, 18931), (767, 18946), (786, 19012), (804, 19054), (861, 19264), (875, 19345), (895, 19456), (911, 19543), (918, 19582), (920, 19597),

Gene: CartmannCramer_24 Start: 18190, Stop: 20850, Start Num: 135
Candidate Starts for CartmannCramer_24:
(Start: 135 @18190 has 221 MA's), (Start: 150 @18229 has 5 MA's), (171, 18292), (Start: 174 @18298 has 1 MA's), (182, 18322), (196, 18364), (313, 18673), (326, 18736), (337, 18781), (342, 18805), (357, 18880), (360, 18892), (455, 19213), (537, 19471), (538, 19480), (566, 19543), (587, 19594), (597, 19621), (669, 19825), (710, 19939), (713, 19948), (720, 19969), (725, 19990), (749, 20089), (758, 20131), (759, 20134), (802, 20263), (830, 20347), (844, 20392), (895, 20674), (902, 20716), (911, 20761), (918, 20800), (920, 20815),

Gene: CatBus_25 Start: 17387, Stop: 19858, Start Num: 135
Candidate Starts for CatBus_25:
(Start: 135 @17387 has 221 MA's), (Start: 150 @17426 has 5 MA's), (171, 17489), (182, 17519), (188, 17540), (196, 17561), (202, 17573), (233, 17591), (240, 17615), (260, 17681), (313, 17879), (319, 17912), (335, 17978), (396, 18233), (407, 18254), (414, 18281), (448, 18377), (478, 18407), (492, 18440), (519, 18476), (566, 18569), (572, 18590), (597, 18647), (637, 18767), (652, 18803), (667, 18833), (681, 18869), (705, 18935), (713, 18956), (725, 18998), (749, 19097), (786, 19238), (797, 19259), (841, 19394), (895, 19682), (911, 19769), (918, 19808),

Gene: Cat_23 Start: 15359, Stop: 18397, Start Num: 47
Candidate Starts for Cat_23:

(Start: 47 @15359 has 37 MA's), (87, 15533), (90, 15545), (171, 15788), (185, 15833), (214, 15911), (256, 16118), (278, 16172), (294, 16235), (298, 16247), (306, 16280), (313, 16310), (319, 16343), (328, 16376), (335, 16409), (337, 16418), (354, 16511), (381, 16628), (383, 16640), (388, 16670), (401, 16724), (407, 16745), (422, 16811), (468, 16943), (470, 16952), (483, 16991), (504, 17036), (511, 17051), (530, 17126), (534, 17135), (547, 17165), (555, 17180), (557, 17183), (563, 17201), (568, 17222), (569, 17225), (575, 17243), (589, 17264), (590, 17267), (633, 17351), (655, 17396), (671, 17417), (691, 17477), (711, 17534), (713, 17537), (722, 17567), (723, 17570), (725, 17579), (749, 17672), (753, 17693), (767, 17762), (774, 17780), (789, 17828), (793, 17840), (814, 17882), (818, 17894), (833, 17942), (874, 18113), (883, 18173), (885, 18185), (886, 18188), (887, 18194), (916, 18329), (917, 18341), (921, 18377),

Gene: Catalina_27 Start: 17591, Stop: 20500, Start Num: 66
Candidate Starts for Catalina_27:
(Start: 66 @17591 has 43 MA's), (69, 17603), (85, 17663), (Start: 138 @17822 has 1 MA's), (157, 17885), (178, 17948), (191, 17990), (212, 18044), (214, 18047), (222, 18086), (258, 18257), (262, 18263), (267, 18278), (293, 18368), (294, 18371), (298, 18383), (309, 18425), (319, 18479), (323, 18500), (337, 18554), (340, 18575), (341, 18578), (344, 18596), (356, 18659), (375, 18725), (381, 18764), (385, 18791), (388, 18806), (396, 18836), (401, 18860), (404, 18872), (407, 18881), (422, 18947), (432, 18986), (456, 19052), (468, 19079), (474, 19106), (504, 19172), (518, 19217), (542, 19292), (563, 19337), (568, 19358), (575, 19379), (577, 19382), (589, 19400), (590, 19403), (609, 19430), (644, 19511), (671, 19553), (722, 19703), (726, 19718), (734, 19748), (747, 19799), (766, 19886), (768, 19895), (785, 19946), (814, 20009), (822, 20030), (833, 20066), (846, 20102), (847, 20108), (865, 20186), (872, 20213), (881, 20273), (895, 20342), (899, 20372), (905, 20399), (917, 20438), (922, 20480),

Gene: Caviar_26 Start: 16043, Stop: 19081, Start Num: 47
Candidate Starts for Caviar_26:
(Start: 47 @16043 has 37 MA's), (87, 16217), (90, 16229), (Start: 99 @16262 has 4 MA's), (171, 16469), (177, 16490), (212, 16589), (214, 16592), (256, 16802), (262, 16811), (266, 16823), (278, 16856), (294, 16919), (298, 16931), (306, 16964), (310, 16982), (314, 17003), (324, 17051), (326, 17057), (330, 17072), (333, 17081), (335, 17093), (337, 17102), (354, 17195), (381, 17312), (382, 17315), (386, 17342), (388, 17354), (401, 17408), (407, 17429), (422, 17495), (432, 17534), (483, 17675), (504, 17720), (530, 17810), (534, 17819), (547, 17849), (568, 17906), (573, 17921), (589, 17948), (590, 17951), (605, 17969), (655, 18080), (691, 18161), (711, 18218), (724, 18260), (749, 18356), (753, 18377), (757, 18401), (767, 18446), (774, 18464), (789, 18512), (793, 18524), (814, 18566), (818, 18578), (833, 18626), (874, 18797), (883, 18857), (885, 18869), (892, 18896), (895, 18917), (916, 19013), (921, 19061),

Gene: Celestialunch_25 Start: 15544, Stop: 18645, Start Num: 30
Candidate Starts for Celestialunch_25:
(Start: 30 @15544 has 1 MA's), (Start: 66 @15733 has 43 MA's), (69, 15745), (76, 15781), (112, 15898), (129, 15940), (173, 16066), (191, 16129), (212, 16183), (214, 16186), (236, 16312), (258, 16399), (264, 16411), (298, 16525), (302, 16546), (310, 16576), (319, 16621), (320, 16624), (323, 16642), (324, 16645), (330, 16666), (337, 16696), (338, 16708), (347, 16756), (354, 16789), (356, 16801), (381, 16906), (401, 17002), (404, 17014), (407, 17023), (410, 17032), (412, 17044), (417, 17068), (420, 17080), (422, 17089), (432, 17128), (477, 17254), (479, 17260), (504, 17314), (542, 17434), (563, 17479), (568, 17500), (575, 17521), (577, 17524), (589, 17542), (590, 17545), (637, 17632), (722, 17845), (734, 17890), (739, 17902), (747, 17941), (761, 18007), (766, 18028), (767, 18031), (774, 18049), (778, 18070), (803, 18118), (814, 18151), (822, 18172), (829, 18199), (847, 18253), (865, 18331), (874, 18367), (881, 18418), (886, 18442), (899, 18517), (917, 18583), (922, 18625),

Gene: Centaur_28 Start: 17112, Stop: 19619, Start Num: 130

Candidate Starts for Centaur_28:
(Start: 130 @17112 has 101 MA's), (173, 17223), (193, 17280), (253, 17466), (278, 17529), (285, 17562), (287, 17568), (330, 17748), (333, 17757), (336, 17772), (337, 17778), (340, 17799), (341, 17802), (344, 17820), (354, 17871), (355, 17880), (381, 17988), (388, 18030), (391, 18039), (394, 18048), (401, 18084), (407, 18105), (421, 18168), (422, 18171), (426, 18189), (432, 18210), (504, 18396), (511, 18411), (516, 18438), (534, 18495), (540, 18510), (542, 18516), (547, 18525), (550, 18531), (563, 18561), (568, 18582), (590, 18627), (601, 18633), (611, 18666), (620, 18693), (643, 18732), (666, 18765), (671, 18777), (691, 18837), (701, 18864), (722, 18927), (734, 18972), (739, 18984), (746, 19020), (756, 19056), (761, 19089), (803, 19152), (814, 19176), (868, 19320), (886, 19419), (901, 19506), (924, 19605),

Gene: CentreCat_25 Start: 15886, Stop: 18486, Start Num: 95
Candidate Starts for CentreCat_25:
(Start: 95 @15886 has 129 MA's), (Start: 153 @16027 has 23 MA's), (Start: 163 @16045 has 10 MA's), (238, 16252), (248, 16291), (255, 16321), (290, 16438), (298, 16465), (313, 16528), (326, 16591), (337, 16636), (344, 16678), (362, 16762), (460, 17029), (490, 17080), (519, 17125), (554, 17203), (571, 17242), (581, 17263), (639, 17410), (649, 17431), (659, 17455), (679, 17515), (680, 17521), (681, 17524), (697, 17575), (713, 17623), (731, 17689), (767, 17854), (774, 17872), (822, 17998), (880, 18250), (881, 18253), (883, 18262), (895, 18322), (916, 18418), (921, 18466),

Gene: Cerulean_26 Start: 16197, Stop: 18797, Start Num: 95
Candidate Starts for Cerulean_26:
(Start: 95 @16197 has 129 MA's), (Start: 153 @16338 has 23 MA's), (Start: 163 @16356 has 10 MA's), (218, 16512), (238, 16563), (255, 16632), (290, 16749), (298, 16776), (313, 16839), (326, 16902), (337, 16947), (344, 16989), (362, 17073), (423, 17280), (460, 17340), (490, 17391), (519, 17436), (554, 17514), (569, 17547), (571, 17553), (639, 17721), (649, 17742), (659, 17766), (679, 17826), (680, 17832), (681, 17835), (697, 17886), (713, 17934), (731, 18000), (767, 18165), (774, 18183), (822, 18309), (880, 18561), (881, 18564), (883, 18573), (894, 18630), (895, 18633), (902, 18678), (916, 18729), (921, 18777),

Gene: Chadwick_23 Start: 15059, Stop: 17872, Start Num: 1
Candidate Starts for Chadwick_23:
(Start: 1 @15059 has 40 MA's), (7, 15248), (64, 15596), (Start: 95 @15731 has 129 MA's), (97, 15737), (183, 15830), (206, 15881), (272, 16007), (288, 16073), (294, 16094), (313, 16169), (319, 16202), (333, 16256), (338, 16289), (339, 16292), (341, 16301), (362, 16400), (375, 16433), (412, 16562), (449, 16676), (511, 16727), (572, 16793), (632, 16886), (641, 16919), (686, 17006), (697, 17039), (703, 17051), (716, 17081), (749, 17144), (758, 17186), (777, 17258), (779, 17261), (789, 17285), (795, 17300), (804, 17327), (813, 17348), (842, 17435), (849, 17465), (850, 17468), (863, 17528), (880, 17627), (883, 17639), (885, 17651), (887, 17660), (912, 17789), (916, 17807),

Gene: ChampagnePapi_26 Start: 16196, Stop: 18796, Start Num: 95
Candidate Starts for ChampagnePapi_26:
(Start: 95 @16196 has 129 MA's), (Start: 153 @16337 has 23 MA's), (Start: 163 @16355 has 10 MA's), (218, 16511), (238, 16562), (255, 16631), (290, 16748), (298, 16775), (313, 16838), (326, 16901), (337, 16946), (344, 16988), (362, 17072), (423, 17279), (460, 17339), (490, 17390), (519, 17435), (554, 17513), (569, 17546), (571, 17552), (639, 17720), (649, 17741), (659, 17765), (679, 17825), (680, 17831), (681, 17834), (697, 17885), (713, 17933), (731, 17999), (767, 18164), (774, 18182), (822, 18308), (880, 18560), (881, 18563), (883, 18572), (894, 18629), (895, 18632), (902, 18677), (916, 18728), (921, 18776),

Gene: Chanagan_23 Start: 15937, Stop: 18417, Start Num: 135
Candidate Starts for Chanagan_23:

(Start: 135 @15937 has 221 MA's), (Start: 150 @15976 has 5 MA's), (171, 16039), (182, 16069), (196, 16111), (284, 16318), (290, 16336), (313, 16426), (326, 16489), (333, 16513), (335, 16525), (344, 16576), (483, 16960), (538, 17062), (558, 17101), (569, 17128), (579, 17152), (667, 17380), (705, 17482), (713, 17503), (725, 17545), (749, 17644), (762, 17707), (834, 17926), (843, 17959), (895, 18241), (911, 18328), (918, 18367), (920, 18382),

Gene: Changeling_28 Start: 18472, Stop: 20976, Start Num: 130
Candidate Starts for Changeling_28:
(Start: 130 @18472 has 101 MA's), (173, 18583), (177, 18601), (193, 18640), (202, 18661), (211, 18685), (246, 18781), (253, 18811), (262, 18829), (298, 18949), (310, 19000), (324, 19069), (326, 19075), (330, 19090), (333, 19099), (335, 19111), (337, 19120), (381, 19330), (385, 19357), (388, 19372), (401, 19426), (407, 19447), (422, 19513), (432, 19552), (504, 19738), (511, 19753), (534, 19837), (540, 19852), (542, 19858), (547, 19867), (555, 19882), (563, 19903), (568, 19924), (589, 19966), (604, 19981), (611, 20008), (615, 20023), (639, 20065), (644, 20077), (671, 20119), (691, 20179), (701, 20206), (711, 20236), (722, 20269), (734, 20314), (739, 20326), (775, 20476), (817, 20533), (821, 20542), (826, 20551), (866, 20662), (873, 20692), (886, 20776), (916, 20905),

Gene: Chaph_25 Start: 15894, Stop: 18494, Start Num: 95
Candidate Starts for Chaph_25:
(Start: 95 @15894 has 129 MA's), (Start: 153 @16035 has 23 MA's), (Start: 163 @16053 has 10 MA's), (238, 16260), (248, 16299), (255, 16329), (290, 16446), (298, 16473), (313, 16536), (326, 16599), (337, 16644), (344, 16686), (362, 16770), (460, 17037), (490, 17088), (519, 17133), (554, 17211), (569, 17244), (571, 17250), (581, 17271), (639, 17418), (649, 17439), (659, 17463), (680, 17529), (697, 17583), (713, 17631), (731, 17697), (767, 17862), (774, 17880), (822, 18006), (880, 18258), (881, 18261), (883, 18270), (895, 18330), (916, 18426), (921, 18474),

Gene: Chargerpower_26 Start: 15837, Stop: 18245, Start Num: 145
Candidate Starts for Chargerpower_26:
(Start: 145 @15837 has 7 MA's), (Start: 150 @15855 has 5 MA's), (155, 15873), (165, 15894), (201, 15990), (217, 16032), (246, 16119), (259, 16161), (276, 16215), (298, 16299), (305, 16329), (313, 16362), (319, 16395), (330, 16440), (337, 16470), (340, 16491), (397, 16716), (405, 16731), (407, 16737), (433, 16830), (484, 16902), (526, 16977), (601, 17151), (605, 17163), (611, 17184), (620, 17211), (639, 17262), (643, 17271), (695, 17382), (725, 17469), (743, 17541), (744, 17553), (749, 17565), (754, 17589), (798, 17727), (803, 17739), (812, 17763), (836, 17817), (838, 17829), (874, 17976), (885, 18045), (902, 18135), (917, 18186), (921, 18222),

Gene: Charm_26 Start: 15553, Stop: 18648, Start Num: 29
Candidate Starts for Charm_26:
(Start: 29 @15553 has 1 MA's), (49, 15655), (Start: 66 @15742 has 43 MA's), (69, 15754), (106, 15886), (112, 15907), (119, 15928), (Start: 138 @15970 has 1 MA's), (143, 15982), (157, 16033), (178, 16096), (191, 16138), (214, 16195), (258, 16405), (262, 16411), (293, 16516), (298, 16531), (308, 16570), (309, 16573), (323, 16648), (324, 16651), (337, 16702), (340, 16723), (341, 16726), (344, 16744), (381, 16912), (385, 16939), (388, 16954), (401, 17008), (407, 17029), (421, 17092), (422, 17095), (432, 17134), (468, 17227), (474, 17254), (520, 17368), (522, 17377), (535, 17422), (547, 17449), (563, 17485), (568, 17506), (573, 17521), (589, 17548), (590, 17551), (607, 17572), (615, 17605), (649, 17665), (671, 17701), (722, 17851), (734, 17896), (747, 17947), (761, 18013), (767, 18037), (774, 18055), (778, 18076), (785, 18094), (803, 18124), (814, 18157), (822, 18178), (831, 18208), (847, 18259), (865, 18337), (874, 18373), (881, 18424), (886, 18448), (899, 18523), (917, 18589), (922, 18631),

Gene: Chartreuse_29 Start: 16682, Stop: 18886, Start Num: 93
Candidate Starts for Chartreuse_29:

(41, 16523), (77, 16637), (Start: 93 @16682 has 49 MA's), (Start: 145 @16793 has 7 MA's), (147, 16799), (182, 16907), (196, 16949), (243, 17015), (273, 17108), (282, 17135), (313, 17258), (319, 17291), (339, 17381), (352, 17450), (425, 17693), (531, 17831), (623, 17951), (721, 18104), (749, 18167), (758, 18209), (789, 18308), (797, 18329), (804, 18350), (813, 18371), (830, 18422), (834, 18434), (840, 18449), (857, 18530), (873, 18608),

Gene: Che12_28 Start: 15530, Stop: 18055, Start Num: 127
Candidate Starts for Che12_28:
(Start: 127 @15530 has 6 MA's), (134, 15548), (173, 15653), (197, 15719), (198, 15722), (199, 15725), (278, 15974), (285, 16007), (286, 16010), (298, 16049), (310, 16100), (319, 16145), (323, 16166), (333, 16199), (336, 16214), (337, 16220), (340, 16241), (381, 16430), (385, 16457), (388, 16472), (401, 16526), (407, 16547), (422, 16613), (462, 16739), (504, 16838), (511, 16853), (516, 16880), (520, 16886), (542, 16958), (555, 16982), (557, 16985), (563, 17003), (573, 17039), (589, 17066), (590, 17069), (614, 17120), (615, 17123), (666, 17207), (691, 17279), (701, 17306), (711, 17336), (722, 17369), (726, 17384), (775, 17576), (821, 17639), (882, 17837), (886, 17858), (899, 17933), (913, 17969),

Gene: ChipMunk_28 Start: 17023, Stop: 19566, Start Num: 130
Candidate Starts for ChipMunk_28:
(Start: 130 @17023 has 101 MA's), (197, 17200), (198, 17203), (199, 17206), (246, 17371), (249, 17380), (253, 17401), (256, 17410), (266, 17431), (278, 17464), (285, 17497), (298, 17539), (310, 17590), (319, 17635), (320, 17638), (323, 17656), (333, 17689), (335, 17701), (337, 17710), (340, 17731), (341, 17734), (381, 17920), (388, 17962), (391, 17971), (394, 17980), (407, 18037), (422, 18103), (432, 18142), (468, 18235), (478, 18271), (504, 18328), (524, 18394), (534, 18427), (540, 18442), (542, 18448), (547, 18457), (555, 18472), (563, 18493), (568, 18514), (575, 18535), (577, 18538), (589, 18556), (590, 18559), (611, 18598), (614, 18610), (644, 18667), (653, 18685), (671, 18709), (691, 18769), (701, 18796), (722, 18859), (766, 19042), (817, 19123), (821, 19132), (826, 19141), (866, 19252), (873, 19282), (886, 19366),

Gene: Chiqui_24 Start: 15764, Stop: 18802, Start Num: 47
Candidate Starts for Chiqui_24:
(Start: 47 @15764 has 37 MA's), (87, 15938), (Start: 99 @15983 has 4 MA's), (171, 16193), (214, 16316), (256, 16523), (278, 16577), (298, 16652), (306, 16685), (310, 16703), (313, 16715), (328, 16781), (333, 16802), (335, 16814), (337, 16823), (344, 16865), (354, 16916), (381, 17033), (382, 17036), (388, 17075), (401, 17129), (407, 17150), (422, 17216), (427, 17243), (468, 17348), (483, 17396), (504, 17441), (511, 17456), (520, 17489), (530, 17531), (534, 17540), (547, 17570), (555, 17585), (563, 17606), (573, 17642), (589, 17669), (590, 17672), (607, 17693), (611, 17711), (633, 17756), (653, 17798), (655, 17801), (691, 17882), (707, 17921), (722, 17972), (723, 17975), (725, 17984), (730, 18008), (749, 18077), (753, 18098), (767, 18167), (774, 18185), (789, 18233), (793, 18245), (809, 18275), (814, 18287), (818, 18299), (833, 18347), (874, 18518), (883, 18578), (887, 18599), (905, 18695), (916, 18734), (921, 18782),

Gene: ChristmasHams_25 Start: 16397, Stop: 18877, Start Num: 135
Candidate Starts for ChristmasHams_25:
(Start: 135 @16397 has 221 MA's), (Start: 150 @16436 has 5 MA's), (171, 16499), (182, 16529), (196, 16571), (284, 16778), (290, 16796), (313, 16886), (326, 16949), (333, 16973), (335, 16985), (344, 17036), (483, 17420), (538, 17522), (558, 17561), (566, 17576), (569, 17588), (579, 17612), (667, 17840), (705, 17942), (713, 17963), (718, 17975), (725, 18005), (749, 18104), (762, 18167), (834, 18386), (843, 18419), (895, 18701), (911, 18788), (918, 18827), (921, 18857),

Gene: Chupacabra_25 Start: 15864, Stop: 18416, Start Num: 163
Candidate Starts for Chupacabra_25:

(46, 15456), (Start: 95 @15687 has 129 MA's), (Start: 163 @15864 has 10 MA's), (173, 15885), (179, 15909), (188, 15939), (189, 15942), (192, 15951), (210, 15990), (217, 16005), (228, 16029), (259, 16137), (263, 16149), (266, 16158), (280, 16212), (294, 16266), (297, 16275), (301, 16299), (308, 16320), (327, 16425), (335, 16467), (408, 16779), (510, 16989), (552, 17109), (569, 17154), (570, 17157), (571, 17160), (581, 17181), (582, 17184), (602, 17229), (639, 17337), (649, 17358), (672, 17418), (681, 17451), (701, 17514), (725, 17592), (731, 17616), (749, 17691), (761, 17757), (767, 17781), (774, 17799), (783, 17835), (794, 17865), (812, 17907), (815, 17919), (822, 17931), (836, 17967), (838, 17979), (883, 18192), (885, 18204), (891, 18228), (895, 18252), (916, 18348), (921, 18396),

Gene: Ciao_24 Start: 16311, Stop: 18782, Start Num: 135
Candidate Starts for Ciao_24:
(Start: 135 @16311 has 221 MA's), (Start: 150 @16350 has 5 MA's), (171, 16413), (182, 16443), (188, 16464), (196, 16485), (202, 16497), (233, 16515), (260, 16605), (313, 16803), (319, 16836), (335, 16902), (396, 17157), (407, 17178), (414, 17205), (492, 17364), (519, 17400), (566, 17493), (572, 17514), (597, 17571), (637, 17691), (652, 17727), (667, 17757), (681, 17793), (705, 17859), (713, 17880), (749, 18021), (786, 18162), (797, 18183), (841, 18318), (875, 18495), (895, 18606), (907, 18672), (911, 18693), (918, 18732), (920, 18747),

Gene: Cici_25 Start: 15876, Stop: 18476, Start Num: 95
Candidate Starts for Cici_25:
(Start: 95 @15876 has 129 MA's), (230, 16218), (243, 16266), (261, 16323), (290, 16428), (294, 16443), (298, 16455), (313, 16518), (337, 16626), (340, 16647), (344, 16668), (460, 17019), (490, 17070), (519, 17115), (569, 17226), (571, 17232), (639, 17400), (661, 17448), (679, 17505), (697, 17565), (713, 17613), (723, 17646), (731, 17679), (737, 17697), (767, 17844), (774, 17862), (822, 17988), (851, 18078), (870, 18177), (881, 18243), (883, 18252), (895, 18312), (897, 18321), (902, 18357), (909, 18375), (916, 18408), (921, 18456),

Gene: Cindaradix_24 Start: 15793, Stop: 18210, Start Num: 174
Candidate Starts for Cindaradix_24:
(Start: 95 @15610 has 129 MA's), (Start: 174 @15793 has 1 MA's), (230, 15952), (239, 15979), (243, 16000), (276, 16105), (290, 16162), (313, 16252), (337, 16360), (352, 16444), (478, 16780), (490, 16804), (519, 16849), (613, 17062), (628, 17098), (639, 17134), (659, 17179), (697, 17299), (731, 17413), (767, 17578), (774, 17596), (822, 17722), (870, 17911), (881, 17977), (883, 17986), (895, 18046), (897, 18055), (902, 18091), (909, 18109), (916, 18142), (921, 18190),

Gene: Cintron_25 Start: 16074, Stop: 18533, Start Num: 153
Candidate Starts for Cintron_25:
(Start: 95 @15933 has 129 MA's), (Start: 153 @16074 has 23 MA's), (218, 16248), (238, 16299), (248, 16338), (255, 16368), (290, 16485), (298, 16512), (313, 16575), (326, 16638), (337, 16683), (344, 16725), (460, 17076), (490, 17127), (519, 17172), (571, 17289), (639, 17457), (649, 17478), (659, 17502), (679, 17562), (680, 17568), (681, 17571), (697, 17622), (713, 17670), (731, 17736), (767, 17901), (774, 17919), (822, 18045), (880, 18297), (881, 18300), (883, 18309), (894, 18366), (895, 18369), (902, 18414), (916, 18465), (921, 18513),

Gene: Citius_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Citius_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (679, 17514), (680, 17520), (681, 17523), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Clammy_26 Start: 15495, Stop: 18530, Start Num: 47
Candidate Starts for Clammy_26:
(Start: 47 @15495 has 37 MA's), (87, 15669), (90, 15681), (Start: 99 @15714 has 4 MA's), (171, 15924), (212, 16044), (214, 16047), (256, 16251), (266, 16272), (277, 16302), (278, 16305), (294, 16368), (298, 16380), (306, 16413), (310, 16431), (324, 16500), (326, 16506), (330, 16521), (333, 16530), (335, 16542), (337, 16551), (354, 16644), (381, 16761), (382, 16764), (385, 16788), (386, 16791), (388, 16803), (401, 16857), (407, 16878), (412, 16899), (422, 16944), (427, 16971), (432, 16983), (483, 17124), (504, 17169), (511, 17184), (530, 17259), (534, 17268), (547, 17298), (555, 17313), (557, 17316), (563, 17334), (568, 17355), (569, 17358), (589, 17397), (590, 17400), (633, 17484), (671, 17550), (677, 17571), (691, 17610), (707, 17649), (713, 17670), (722, 17700), (723, 17703), (725, 17712), (730, 17736), (749, 17805), (753, 17826), (767, 17895), (774, 17913), (789, 17961), (793, 17973), (814, 18015), (818, 18027), (833, 18075), (874, 18246), (877, 18276), (883, 18306), (887, 18327), (916, 18462), (921, 18510),

Gene: Clarenza_25 Start: 15882, Stop: 18482, Start Num: 95
Candidate Starts for Clarenza_25:
(Start: 95 @15882 has 129 MA's), (Start: 153 @16023 has 23 MA's), (Start: 163 @16041 has 10 MA's), (238, 16248), (248, 16287), (255, 16317), (290, 16434), (298, 16461), (313, 16524), (326, 16587), (337, 16632), (344, 16674), (362, 16758), (460, 17025), (490, 17076), (519, 17121), (554, 17199), (571, 17238), (639, 17406), (649, 17427), (659, 17451), (680, 17517), (697, 17571), (713, 17619), (731, 17685), (767, 17850), (774, 17868), (822, 17994), (880, 18246), (881, 18249), (883, 18258), (895, 18318), (916, 18414), (921, 18462),

Gene: CloudWang3_29 Start: 16717, Stop: 18933, Start Num: 93
Candidate Starts for CloudWang3_29:
(77, 16672), (Start: 93 @16717 has 49 MA's), (Start: 145 @16828 has 7 MA's), (196, 16984), (269, 17131), (273, 17143), (312, 17290), (313, 17293), (319, 17326), (339, 17416), (352, 17485), (375, 17560), (425, 17728), (623, 17986), (656, 18031), (721, 18139), (749, 18202), (758, 18244), (789, 18343), (797, 18364), (813, 18406), (830, 18457), (840, 18484), (857, 18565), (873, 18655),

Gene: ClownCar_27 Start: 16049, Stop: 19075, Start Num: 48
Candidate Starts for ClownCar_27:
(40, 15995), (Start: 48 @16049 has 89 MA's), (71, 16163), (88, 16229), (90, 16232), (92, 16241), (104, 16277), (122, 16328), (148, 16400), (171, 16472), (212, 16592), (214, 16595), (225, 16664), (231, 16709), (256, 16802), (262, 16811), (278, 16856), (287, 16895), (294, 16919), (298, 16931), (306, 16964), (310, 16982), (314, 17003), (324, 17051), (326, 17057), (330, 17072), (333, 17081), (335, 17093), (337, 17102), (354, 17195), (377, 17282), (381, 17312), (382, 17315), (386, 17342), (388, 17354), (401, 17408), (407, 17429), (415, 17459), (422, 17495), (462, 17621), (483, 17675), (504, 17720), (520, 17768), (530, 17810), (534, 17819), (547, 17849), (573, 17921), (575, 17927), (589, 17948), (590, 17951), (604, 17963), (655, 18080), (666, 18089), (691, 18161), (692, 18164), (707, 18200), (722, 18251), (723, 18254), (725, 18263), (767, 18446), (789, 18512), (793, 18524), (814, 18566), (835, 18629), (852, 18686), (865, 18755), (874, 18791), (887, 18872), (916, 19007), (917, 19019),

Gene: Cocoaberry_25 Start: 15889, Stop: 18489, Start Num: 95
Candidate Starts for Cocoaberry_25:
(Start: 95 @15889 has 129 MA's), (Start: 153 @16030 has 23 MA's), (Start: 163 @16048 has 10 MA's), (238, 16255), (248, 16294), (255, 16324), (290, 16441), (298, 16468), (313, 16531), (326, 16594), (337, 16639), (344, 16681), (362, 16765), (460, 17032), (490, 17083), (519, 17128), (554, 17206), (569, 17239), (571, 17245), (581, 17266), (639, 17413), (649, 17434), (659, 17458), (680, 17524), (697, 17578), (713, 17626), (731, 17692), (767, 17857), (774, 17875), (822, 18001), (880, 18253), (881, 18256), (883, 18265), (895, 18325), (916, 18421), (921, 18469),

Gene: CogOmlette_24 Start: 15668, Stop: 18586, Start Num: 66
Candidate Starts for CogOmlette_24:
(Start: 66 @15668 has 43 MA's), (69, 15680), (112, 15839), (129, 15881), (Start: 138 @15902 has 1 MA's), (178, 16028), (191, 16070), (212, 16124), (214, 16127), (236, 16253), (253, 16328), (256, 16337), (258, 16340), (264, 16352), (308, 16505), (310, 16517), (313, 16529), (314, 16538), (319, 16562), (323, 16583), (324, 16586), (330, 16607), (335, 16628), (337, 16637), (338, 16649), (347, 16697), (356, 16742), (381, 16847), (395, 16910), (400, 16940), (401, 16943), (407, 16964), (410, 16973), (412, 16985), (417, 17009), (422, 17030), (432, 17069), (504, 17255), (509, 17267), (518, 17300), (542, 17375), (547, 17384), (563, 17420), (568, 17441), (575, 17462), (577, 17465), (589, 17483), (590, 17486), (609, 17513), (615, 17540), (649, 17600), (685, 17678), (722, 17786), (734, 17831), (747, 17882), (764, 17963), (766, 17969), (768, 17978), (785, 18029), (814, 18092), (822, 18113), (833, 18152), (847, 18194), (865, 18272), (872, 18299), (881, 18359), (886, 18383), (899, 18458), (917, 18524), (922, 18566),

Gene: Colbster_27 Start: 15979, Stop: 19005, Start Num: 48
Candidate Starts for Colbster_27:
(40, 15925), (Start: 48 @15979 has 89 MA's), (71, 16093), (88, 16159), (90, 16162), (92, 16171), (104, 16207), (122, 16258), (148, 16330), (171, 16402), (212, 16522), (214, 16525), (225, 16594), (231, 16639), (256, 16732), (262, 16741), (268, 16759), (278, 16786), (294, 16849), (298, 16861), (306, 16894), (310, 16912), (323, 16978), (324, 16981), (326, 16987), (330, 17002), (333, 17011), (335, 17023), (337, 17032), (350, 17110), (354, 17125), (381, 17242), (382, 17245), (386, 17272), (388, 17284), (401, 17338), (407, 17359), (422, 17425), (432, 17464), (468, 17557), (483, 17605), (504, 17650), (520, 17698), (530, 17740), (534, 17749), (547, 17779), (549, 17782), (555, 17794), (573, 17851), (575, 17857), (589, 17878), (590, 17881), (666, 18019), (671, 18031), (691, 18091), (711, 18148), (749, 18286), (753, 18307), (757, 18331), (767, 18376), (774, 18394), (789, 18442), (793, 18454), (814, 18496), (835, 18559), (852, 18616), (865, 18685), (874, 18721), (887, 18802), (916, 18937),

Gene: Colin_29 Start: 18311, Stop: 20851, Start Num: 130
Candidate Starts for Colin_29:
(Start: 130 @18311 has 101 MA's), (198, 18491), (219, 18542), (249, 18662), (253, 18683), (256, 18692), (264, 18707), (266, 18713), (278, 18746), (285, 18779), (287, 18785), (298, 18821), (330, 18965), (333, 18974), (336, 18989), (337, 18995), (340, 19016), (344, 19037), (355, 19097), (381, 19205), (388, 19247), (391, 19256), (394, 19265), (401, 19301), (404, 19313), (407, 19322), (422, 19388), (432, 19427), (479, 19559), (504, 19613), (520, 19661), (542, 19733), (550, 19748), (563, 19778), (577, 19823), (590, 19844), (611, 19883), (620, 19910), (671, 19994), (691, 20054), (701, 20081), (722, 20144), (734, 20189), (746, 20237), (817, 20408), (821, 20417), (826, 20426), (866, 20537), (873, 20567), (885, 20648), (886, 20651),

Gene: Commander_25 Start: 16026, Stop: 18485, Start Num: 153
Candidate Starts for Commander_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: ConceptII_25 Start: 16819, Stop: 19299, Start Num: 135
Candidate Starts for ConceptII_25:
(Start: 135 @16819 has 221 MA's), (Start: 150 @16858 has 5 MA's), (171, 16921), (Start: 174 @16927 has 1 MA's), (182, 16951), (196, 16993), (284, 17200), (290, 17218), (313, 17308), (326, 17371), (333,

17395), (335, 17407), (344, 17458), (483, 17842), (538, 17944), (558, 17983), (569, 18010), (579, 18034), (625, 18163), (667, 18262), (705, 18364), (713, 18385), (749, 18526), (762, 18589), (834, 18808), (843, 18841), (875, 19012), (895, 19123), (907, 19189), (911, 19210), (918, 19249),

Gene: Connomayer_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Connomayer_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (619, 17355), (639, 17409), (659, 17454), (679, 17514), (685, 17532), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Conquerage_27 Start: 17620, Stop: 20529, Start Num: 66
Candidate Starts for Conquerage_27:
(Start: 66 @17620 has 43 MA's), (69, 17632), (85, 17692), (157, 17914), (178, 17977), (191, 18019), (212, 18073), (214, 18076), (222, 18115), (258, 18286), (262, 18292), (267, 18307), (293, 18397), (294, 18400), (298, 18412), (309, 18454), (319, 18508), (323, 18529), (337, 18583), (340, 18604), (341, 18607), (344, 18625), (356, 18688), (375, 18754), (381, 18793), (385, 18820), (388, 18835), (396, 18865), (401, 18889), (404, 18901), (407, 18910), (422, 18976), (432, 19015), (456, 19081), (468, 19108), (474, 19135), (518, 19246), (542, 19321), (555, 19345), (563, 19366), (568, 19387), (575, 19408), (577, 19411), (589, 19429), (590, 19432), (609, 19459), (637, 19519), (650, 19549), (671, 19582), (680, 19612), (685, 19624), (722, 19732), (726, 19747), (734, 19777), (747, 19828), (766, 19915), (768, 19924), (785, 19975), (814, 20038), (822, 20059), (833, 20095), (846, 20131), (847, 20137), (865, 20215), (872, 20242), (895, 20371), (899, 20401), (905, 20428), (917, 20467), (922, 20509),

Gene: Conspiracy_22 Start: 15069, Stop: 18410, Start Num: 1
Candidate Starts for Conspiracy_22:
(Start: 1 @15069 has 40 MA's), (19, 15507), (Start: 95 @15819 has 129 MA's), (118, 15897), (131, 15927), (152, 15984), (202, 16131), (204, 16137), (206, 16143), (269, 16269), (273, 16281), (313, 16431), (320, 16467), (326, 16497), (330, 16512), (337, 16542), (338, 16554), (343, 16578), (356, 16647), (379, 16713), (425, 16869), (457, 16938), (458, 16941), (472, 16968), (485, 16992), (543, 17130), (556, 17151), (572, 17196), (593, 17238), (672, 17430), (680, 17460), (690, 17484), (693, 17496), (699, 17517), (716, 17559), (740, 17646), (749, 17682), (753, 17703), (758, 17724), (781, 17802), (789, 17823), (797, 17844), (804, 17865), (813, 17886), (822, 17910), (842, 17973), (863, 18066), (866, 18084), (880, 18165), (883, 18177), (885, 18189), (887, 18198), (898, 18252), (915, 18336), (916, 18345),

Gene: Coog_22 Start: 15213, Stop: 18551, Start Num: 1
Candidate Starts for Coog_22:
(Start: 1 @15213 has 40 MA's), (19, 15651), (Start: 95 @15963 has 129 MA's), (118, 16041), (131, 16071), (152, 16128), (202, 16275), (204, 16281), (267, 16401), (270, 16410), (293, 16491), (294, 16494), (313, 16569), (322, 16614), (326, 16632), (337, 16677), (340, 16698), (385, 16890), (435, 17028), (458, 17076), (499, 17154), (548, 17280), (556, 17292), (565, 17316), (593, 17379), (672, 17571), (680, 17601), (690, 17625), (693, 17637), (716, 17700), (749, 17823), (753, 17844), (758, 17865), (781, 17943), (789, 17964), (804, 18006), (813, 18027), (842, 18114), (849, 18144), (863, 18207), (866, 18225), (880, 18306), (883, 18318), (885, 18330), (887, 18339), (898, 18393), (915, 18477), (919, 18516),

Gene: Cookiedough_29 Start: 16728, Stop: 18932, Start Num: 93
Candidate Starts for Cookiedough_29:

(41, 16569), (77, 16683), (Start: 93 @16728 has 49 MA's), (Start: 145 @16839 has 7 MA's), (147, 16845), (182, 16953), (196, 16995), (243, 17061), (273, 17154), (282, 17181), (313, 17304), (319, 17337), (339, 17427), (352, 17496), (425, 17739), (531, 17877), (623, 17997), (721, 18150), (749, 18213), (758, 18255), (789, 18354), (797, 18375), (804, 18396), (813, 18417), (830, 18468), (834, 18480), (840, 18495), (857, 18576), (873, 18654),

Gene: Corvo_24 Start: 16803, Stop: 19274, Start Num: 135
Candidate Starts for Corvo_24:
(Start: 135 @16803 has 221 MA's), (Start: 150 @16842 has 5 MA's), (171, 16905), (182, 16935), (188, 16956), (196, 16977), (202, 16989), (233, 17007), (260, 17097), (313, 17295), (319, 17328), (335, 17394), (396, 17649), (407, 17670), (414, 17697), (492, 17856), (519, 17892), (566, 17985), (572, 18006), (597, 18063), (637, 18183), (652, 18219), (667, 18249), (681, 18285), (705, 18351), (713, 18372), (749, 18513), (786, 18654), (797, 18675), (841, 18810), (875, 18987), (895, 19098), (911, 19185), (918, 19224),

Gene: Crispicous1_23 Start: 15808, Stop: 18288, Start Num: 135
Candidate Starts for Crispicous1_23:
(Start: 135 @15808 has 221 MA's), (Start: 150 @15847 has 5 MA's), (171, 15910), (182, 15940), (196, 15982), (284, 16189), (290, 16207), (313, 16297), (326, 16360), (333, 16384), (335, 16396), (344, 16447), (483, 16831), (538, 16933), (558, 16972), (569, 16999), (579, 17023), (625, 17152), (667, 17251), (705, 17353), (713, 17374), (725, 17416), (749, 17515), (762, 17578), (834, 17797), (843, 17830), (895, 18112), (911, 18199), (918, 18238), (920, 18253),

Gene: Croquant_28 Start: 15977, Stop: 19003, Start Num: 48
Candidate Starts for Croquant_28:
(40, 15923), (Start: 48 @15977 has 89 MA's), (71, 16091), (88, 16157), (90, 16160), (92, 16169), (104, 16205), (122, 16256), (148, 16328), (171, 16400), (212, 16520), (214, 16523), (225, 16592), (231, 16637), (256, 16730), (262, 16739), (268, 16757), (278, 16784), (294, 16847), (298, 16859), (306, 16892), (310, 16910), (323, 16976), (324, 16979), (326, 16985), (330, 17000), (333, 17009), (335, 17021), (337, 17030), (350, 17108), (354, 17123), (381, 17240), (382, 17243), (386, 17270), (388, 17282), (401, 17336), (407, 17357), (422, 17423), (432, 17462), (468, 17555), (483, 17603), (504, 17648), (520, 17696), (530, 17738), (534, 17747), (547, 17777), (549, 17780), (555, 17792), (573, 17849), (575, 17855), (589, 17876), (590, 17879), (666, 18017), (671, 18029), (691, 18089), (711, 18146), (749, 18284), (753, 18305), (757, 18329), (767, 18374), (774, 18392), (789, 18440), (793, 18452), (814, 18494), (835, 18557), (852, 18614), (865, 18683), (874, 18719), (887, 18800), (916, 18935),

Gene: Crucio_26 Start: 16547, Stop: 19084, Start Num: 130
Candidate Starts for Crucio_26:
(Start: 130 @16547 has 101 MA's), (197, 16724), (198, 16727), (199, 16730), (211, 16760), (249, 16898), (253, 16919), (256, 16928), (266, 16949), (278, 16982), (293, 17042), (298, 17057), (310, 17108), (320, 17156), (323, 17174), (333, 17207), (335, 17219), (336, 17222), (337, 17228), (340, 17249), (341, 17252), (358, 17339), (381, 17438), (388, 17480), (391, 17489), (394, 17498), (404, 17546), (407, 17555), (422, 17621), (432, 17660), (504, 17846), (511, 17861), (520, 17894), (534, 17945), (542, 17966), (550, 17981), (555, 17990), (560, 18005), (589, 18074), (671, 18227), (677, 18248), (722, 18377), (734, 18422), (739, 18434), (746, 18470), (821, 18650), (826, 18659), (866, 18770), (873, 18800), (886, 18884),

Gene: Cuco_22 Start: 15243, Stop: 18581, Start Num: 1
Candidate Starts for Cuco_22:
(Start: 1 @15243 has 40 MA's), (19, 15681), (Start: 95 @15993 has 129 MA's), (118, 16071), (131, 16101), (152, 16158), (202, 16305), (204, 16311), (267, 16431), (270, 16440), (293, 16521), (294, 16524), (313, 16599), (322, 16644), (326, 16662), (337, 16707), (340, 16728), (385, 16920), (435,

17058), (458, 17106), (499, 17184), (548, 17310), (556, 17322), (565, 17346), (593, 17409), (672, 17601), (680, 17631), (690, 17655), (693, 17667), (716, 17730), (749, 17853), (753, 17874), (758, 17895), (781, 17973), (789, 17994), (804, 18036), (813, 18057), (842, 18144), (849, 18174), (863, 18237), (866, 18255), (880, 18336), (883, 18348), (885, 18360), (887, 18369), (898, 18423), (915, 18507), (919, 18546),

Gene: Cueylyss_24 Start: 16510, Stop: 18990, Start Num: 135
Candidate Starts for Cueylyss_24:
(Start: 135 @16510 has 221 MA's), (Start: 150 @16549 has 5 MA's), (171, 16612), (Start: 174 @16618 has 1 MA's), (182, 16642), (196, 16684), (284, 16891), (290, 16909), (313, 16999), (326, 17062), (333, 17086), (335, 17098), (344, 17149), (483, 17533), (538, 17635), (558, 17674), (569, 17701), (579, 17725), (625, 17854), (667, 17953), (705, 18055), (713, 18076), (718, 18088), (725, 18118), (749, 18217), (762, 18280), (834, 18499), (843, 18532), (895, 18814), (907, 18880), (911, 18901), (918, 18940), (920, 18955),

Gene: Cullens_27 Start: 15978, Stop: 19004, Start Num: 48
Candidate Starts for Cullens_27:
(40, 15924), (Start: 48 @15978 has 89 MA's), (71, 16092), (88, 16158), (90, 16161), (92, 16170), (104, 16206), (122, 16257), (148, 16329), (171, 16401), (212, 16521), (214, 16524), (225, 16593), (231, 16638), (256, 16731), (262, 16740), (268, 16758), (278, 16785), (294, 16848), (298, 16860), (306, 16893), (310, 16911), (323, 16977), (324, 16980), (326, 16986), (330, 17001), (333, 17010), (335, 17022), (337, 17031), (350, 17109), (354, 17124), (381, 17241), (382, 17244), (386, 17271), (388, 17283), (401, 17337), (407, 17358), (422, 17424), (432, 17463), (468, 17556), (483, 17604), (504, 17649), (520, 17697), (530, 17739), (534, 17748), (547, 17778), (549, 17781), (555, 17793), (573, 17850), (575, 17856), (589, 17877), (590, 17880), (666, 18018), (671, 18030), (691, 18090), (711, 18147), (749, 18285), (753, 18306), (757, 18330), (767, 18375), (774, 18393), (789, 18441), (793, 18453), (814, 18495), (835, 18558), (852, 18615), (865, 18684), (874, 18720), (887, 18801), (916, 18936),

Gene: D29_26 Start: 16508, Stop: 19021, Start Num: 130
Candidate Starts for D29_26:
(Start: 130 @16508 has 101 MA's), (198, 16688), (199, 16691), (277, 16934), (278, 16937), (293, 16997), (298, 17012), (305, 17042), (306, 17045), (323, 17129), (330, 17153), (336, 17177), (340, 17204), (341, 17207), (363, 17318), (381, 17393), (385, 17420), (388, 17435), (401, 17489), (407, 17510), (422, 17576), (426, 17594), (427, 17603), (462, 17702), (474, 17735), (478, 17744), (504, 17801), (511, 17816), (542, 17921), (590, 18032), (604, 18044), (605, 18050), (614, 18083), (615, 18086), (677, 18203), (722, 18332), (726, 18347), (734, 18377), (739, 18389), (746, 18425), (775, 18539), (795, 18551), (817, 18593), (882, 18800), (885, 18818), (886, 18821), (924, 19007),

Gene: D32_29 Start: 16508, Stop: 19021, Start Num: 130
Candidate Starts for D32_29:
(Start: 130 @16508 has 101 MA's), (198, 16688), (199, 16691), (277, 16934), (278, 16937), (293, 16997), (298, 17012), (305, 17042), (306, 17045), (323, 17129), (330, 17153), (336, 17177), (340, 17204), (341, 17207), (363, 17318), (381, 17393), (385, 17420), (388, 17435), (401, 17489), (407, 17510), (422, 17576), (426, 17594), (427, 17603), (462, 17702), (474, 17735), (478, 17744), (504, 17801), (511, 17816), (542, 17921), (590, 18032), (604, 18044), (605, 18050), (614, 18083), (615, 18086), (677, 18203), (722, 18332), (726, 18347), (734, 18377), (739, 18389), (746, 18425), (775, 18539), (795, 18551), (817, 18593), (882, 18800), (885, 18818), (886, 18821), (924, 19007),

Gene: DBQu4n_29 Start: 16508, Stop: 19021, Start Num: 130
Candidate Starts for DBQu4n_29:
(Start: 130 @16508 has 101 MA's), (198, 16688), (199, 16691), (278, 16937), (293, 16997), (298, 17012), (305, 17042), (306, 17045), (323, 17129), (330, 17153), (336, 17177), (340, 17204), (341,

17207), (361, 17312), (381, 17393), (385, 17420), (388, 17435), (401, 17489), (407, 17510), (422, 17576), (426, 17594), (427, 17603), (462, 17702), (474, 17735), (478, 17744), (504, 17801), (511, 17816), (542, 17921), (590, 18032), (604, 18044), (605, 18050), (614, 18083), (677, 18203), (722, 18332), (726, 18347), (734, 18377), (739, 18389), (746, 18425), (775, 18539), (795, 18551), (817, 18593), (882, 18800), (885, 18818), (886, 18821), (924, 19007),

Gene: DD5_25 Start: 17058, Stop: 19538, Start Num: 135
Candidate Starts for DD5_25:
(Start: 135 @17058 has 221 MA's), (Start: 150 @17097 has 5 MA's), (171, 17160), (182, 17190), (196, 17232), (284, 17439), (290, 17457), (313, 17547), (326, 17610), (333, 17634), (335, 17646), (344, 17697), (483, 18081), (538, 18183), (558, 18222), (569, 18249), (579, 18273), (625, 18402), (667, 18501), (705, 18603), (713, 18624), (725, 18666), (749, 18765), (762, 18828), (834, 19047), (843, 19080), (875, 19251), (895, 19362), (911, 19449), (918, 19488), (920, 19503),

Gene: DaHudson_27 Start: 15971, Stop: 18997, Start Num: 48
Candidate Starts for DaHudson_27:
(40, 15917), (Start: 48 @15971 has 89 MA's), (71, 16085), (88, 16151), (90, 16154), (92, 16163), (104, 16199), (122, 16250), (148, 16322), (171, 16394), (212, 16514), (214, 16517), (225, 16586), (231, 16631), (256, 16724), (262, 16733), (268, 16751), (278, 16778), (294, 16841), (298, 16853), (306, 16886), (310, 16904), (323, 16970), (324, 16973), (326, 16979), (330, 16994), (333, 17003), (335, 17015), (337, 17024), (354, 17117), (381, 17234), (382, 17237), (386, 17264), (388, 17276), (401, 17330), (407, 17351), (422, 17417), (427, 17444), (468, 17549), (483, 17597), (504, 17642), (520, 17690), (530, 17732), (534, 17741), (547, 17771), (549, 17774), (555, 17786), (573, 17843), (575, 17849), (589, 17870), (590, 17873), (666, 18011), (671, 18023), (691, 18083), (713, 18143), (722, 18173), (723, 18176), (725, 18185), (749, 18278), (767, 18368), (789, 18434), (793, 18446), (814, 18488), (835, 18551), (852, 18608), (865, 18677), (874, 18713), (887, 18794), (916, 18929),

Gene: DaVinci_29 Start: 16736, Stop: 18940, Start Num: 93
Candidate Starts for DaVinci_29:
(41, 16577), (77, 16691), (Start: 93 @16736 has 49 MA's), (Start: 145 @16847 has 7 MA's), (147, 16853), (182, 16961), (196, 17003), (243, 17069), (273, 17162), (282, 17189), (313, 17312), (319, 17345), (339, 17435), (352, 17504), (425, 17747), (531, 17885), (623, 18005), (721, 18158), (749, 18221), (758, 18263), (789, 18362), (797, 18383), (804, 18404), (813, 18425), (830, 18476), (834, 18488), (840, 18503), (857, 18584), (873, 18662),

Gene: Daishi_26 Start: 14904, Stop: 17930, Start Num: 48
Candidate Starts for Daishi_26:
(40, 14850), (Start: 48 @14904 has 89 MA's), (71, 15018), (88, 15084), (90, 15087), (92, 15096), (104, 15132), (122, 15183), (148, 15255), (171, 15327), (212, 15447), (214, 15450), (225, 15519), (231, 15564), (256, 15657), (262, 15666), (268, 15684), (278, 15711), (294, 15774), (298, 15786), (306, 15819), (310, 15837), (323, 15903), (324, 15906), (326, 15912), (330, 15927), (333, 15936), (335, 15948), (337, 15957), (350, 16035), (354, 16050), (381, 16167), (382, 16170), (386, 16197), (388, 16209), (401, 16263), (407, 16284), (422, 16350), (432, 16389), (468, 16482), (483, 16530), (504, 16575), (520, 16623), (530, 16665), (534, 16674), (547, 16704), (549, 16707), (555, 16719), (573, 16776), (575, 16782), (589, 16803), (590, 16806), (666, 16944), (671, 16956), (691, 17016), (711, 17073), (749, 17211), (753, 17232), (757, 17256), (767, 17301), (774, 17319), (789, 17367), (793, 17379), (814, 17421), (835, 17484), (852, 17541), (865, 17610), (874, 17646), (887, 17727), (916, 17862),

Gene: Dalmatian_26 Start: 16688, Stop: 19231, Start Num: 130
Candidate Starts for Dalmatian_26:
(Start: 130 @16688 has 101 MA's), (197, 16865), (198, 16868), (199, 16871), (247, 17039), (249, 17045), (253, 17066), (256, 17075), (266, 17096), (278, 17129), (285, 17162), (310, 17255), (320,

17303), (323, 17321), (330, 17345), (333, 17354), (335, 17366), (336, 17369), (337, 17375), (340, 17396), (341, 17399), (358, 17486), (381, 17585), (388, 17627), (394, 17645), (398, 17666), (404, 17693), (407, 17702), (422, 17768), (432, 17807), (504, 17993), (511, 18008), (520, 18041), (534, 18092), (542, 18113), (550, 18128), (555, 18137), (560, 18152), (589, 18221), (671, 18374), (677, 18395), (722, 18524), (726, 18539), (734, 18569), (739, 18581), (746, 18617), (821, 18797), (826, 18806), (866, 18917), (873, 18947), (886, 19031),

Gene: Danforth_21 Start: 14528, Stop: 17605, Start Num: 12
Candidate Starts for Danforth_21:
(Start: 12 @14528 has 13 MA's), (16, 14612), (32, 14780), (36, 14804), (53, 14852), (82, 14972), (102, 15044), (158, 15194), (159, 15197), (162, 15203), (248, 15389), (267, 15449), (269, 15455), (288, 15521), (296, 15548), (299, 15563), (312, 15614), (313, 15617), (319, 15650), (326, 15683), (364, 15851), (418, 16034), (425, 16058), (445, 16106), (457, 16127), (458, 16130), (527, 16274), (548, 16331), (561, 16361), (574, 16400), (606, 16472), (614, 16502), (662, 16601), (674, 16631), (690, 16676), (701, 16709), (749, 16874), (753, 16895), (756, 16907), (777, 16988), (789, 17015), (813, 17078), (822, 17102), (832, 17132), (842, 17165), (850, 17198), (863, 17258), (868, 17285), (886, 17384), (887, 17390), (904, 17480), (912, 17501), (918, 17540), (925, 17588),

Gene: Darrell_28 Start: 17782, Stop: 20697, Start Num: 66
Candidate Starts for Darrell_28:
(Start: 66 @17782 has 43 MA's), (69, 17794), (85, 17854), (Start: 138 @18013 has 1 MA's), (157, 18076), (178, 18139), (191, 18181), (214, 18238), (258, 18451), (262, 18457), (267, 18472), (293, 18562), (294, 18565), (298, 18577), (308, 18616), (309, 18619), (319, 18673), (323, 18694), (337, 18748), (340, 18769), (341, 18772), (344, 18790), (356, 18853), (375, 18919), (381, 18958), (385, 18985), (388, 19000), (396, 19030), (401, 19054), (407, 19075), (422, 19141), (432, 19180), (468, 19273), (479, 19312), (542, 19486), (547, 19495), (563, 19531), (568, 19552), (573, 19567), (575, 19573), (589, 19594), (590, 19597), (615, 19651), (644, 19705), (649, 19711), (680, 19777), (685, 19789), (713, 19867), (722, 19897), (734, 19942), (747, 19993), (766, 20080), (768, 20089), (785, 20140), (803, 20170), (814, 20203), (833, 20263), (847, 20305), (865, 20383), (872, 20410), (881, 20470), (899, 20569), (913, 20605), (917, 20635), (922, 20677),

Gene: DarthPhader_27 Start: 17575, Stop: 20688, Start Num: 33
Candidate Starts for DarthPhader_27:
(13, 17329), (26, 17545), (Start: 33 @17575 has 5 MA's), (Start: 66 @17752 has 43 MA's), (69, 17764), (76, 17800), (157, 18034), (178, 18097), (212, 18193), (214, 18196), (222, 18235), (253, 18397), (256, 18406), (258, 18409), (264, 18421), (278, 18460), (285, 18493), (302, 18556), (310, 18586), (319, 18631), (323, 18652), (324, 18655), (330, 18676), (337, 18706), (338, 18718), (346, 18757), (347, 18766), (351, 18787), (356, 18811), (393, 18973), (402, 19015), (407, 19033), (410, 19042), (412, 19054), (421, 19096), (422, 19099), (432, 19138), (470, 19240), (474, 19258), (504, 19324), (539, 19435), (542, 19444), (563, 19489), (567, 19504), (577, 19534), (587, 19546), (589, 19552), (601, 19561), (604, 19567), (618, 19615), (620, 19621), (623, 19627), (666, 19693), (691, 19765), (692, 19768), (713, 19825), (722, 19855), (725, 19867), (730, 19891), (734, 19900), (767, 20056), (776, 20092), (780, 20101), (814, 20176), (839, 20257), (841, 20266), (874, 20413), (880, 20461), (881, 20464), (886, 20488), (916, 20617), (917, 20629),

Gene: Datway_25 Start: 15891, Stop: 18491, Start Num: 95
Candidate Starts for Datway_25:
(Start: 95 @15891 has 129 MA's), (243, 16281), (282, 16410), (290, 16443), (298, 16470), (313, 16533), (337, 16641), (368, 16776), (423, 16974), (478, 17061), (490, 17085), (519, 17130), (569, 17241), (571, 17247), (639, 17415), (661, 17463), (679, 17520), (697, 17580), (713, 17628), (723, 17661), (731, 17694), (737, 17712), (767, 17859), (774, 17877), (822, 18003), (851, 18093), (870, 18192), (881, 18258), (883, 18267), (895, 18327), (897, 18336), (902, 18372), (909, 18390), (916, 18423), (921, 18471),

Gene: Deano_25 Start: 15893, Stop: 18493, Start Num: 95
Candidate Starts for Deano_25:
(Start: 95 @15893 has 129 MA's), (Start: 153 @16034 has 23 MA's), (Start: 163 @16052 has 10 MA's), (238, 16259), (248, 16298), (255, 16328), (290, 16445), (298, 16472), (313, 16535), (326, 16598), (337, 16643), (344, 16685), (362, 16769), (460, 17036), (490, 17087), (519, 17132), (554, 17210), (569, 17243), (571, 17249), (639, 17417), (649, 17438), (659, 17462), (680, 17528), (697, 17582), (713, 17630), (731, 17696), (767, 17861), (774, 17879), (822, 18005), (880, 18257), (881, 18260), (883, 18269), (895, 18329), (916, 18425), (921, 18473),

Gene: DeerParkTS_27 Start: 16687, Stop: 19218, Start Num: 130
Candidate Starts for DeerParkTS_27:
(Start: 130 @16687 has 101 MA's), (182, 16828), (198, 16867), (219, 16912), (247, 17026), (249, 17032), (253, 17053), (256, 17062), (266, 17083), (278, 17116), (281, 17128), (285, 17149), (298, 17191), (309, 17233), (310, 17242), (323, 17308), (333, 17341), (337, 17362), (340, 17383), (341, 17386), (381, 17572), (388, 17614), (391, 17623), (394, 17632), (401, 17668), (407, 17689), (421, 17752), (422, 17755), (427, 17782), (432, 17794), (454, 17857), (534, 18079), (539, 18091), (540, 18094), (542, 18100), (550, 18115), (563, 18145), (564, 18148), (568, 18166), (569, 18169), (572, 18178), (573, 18181), (589, 18208), (604, 18223), (607, 18232), (611, 18250), (614, 18262), (620, 18277), (644, 18319), (671, 18361), (691, 18421), (701, 18448), (722, 18511), (734, 18556), (739, 18568), (773, 18706), (817, 18775), (821, 18784), (826, 18793), (866, 18904), (873, 18934), (879, 18988), (886, 19018),

Gene: DekHockey33_28 Start: 16045, Stop: 18231, Start Num: 156
Candidate Starts for DekHockey33_28:
(Start: 95 @15868 has 129 MA's), (Start: 99 @15877 has 4 MA's), (Start: 156 @16045 has 18 MA's), (267, 16285), (269, 16291), (289, 16360), (304, 16417), (335, 16552), (337, 16561), (344, 16603), (353, 16651), (354, 16654), (384, 16765), (387, 16783), (425, 16888), (445, 16936), (515, 17041), (541, 17101), (569, 17155), (592, 17191), (599, 17215), (602, 17224), (624, 17287), (636, 17308), (640, 17323), (654, 17347), (659, 17359), (689, 17413), (695, 17434), (709, 17464), (771, 17635), (777, 17656), (813, 17740), (887, 18043), (916, 18166), (917, 18178),

Gene: Deloris_27 Start: 17042, Stop: 19579, Start Num: 130
Candidate Starts for Deloris_27:
(Start: 130 @17042 has 101 MA's), (198, 17222), (199, 17225), (219, 17273), (249, 17393), (253, 17414), (256, 17423), (266, 17444), (278, 17477), (285, 17510), (298, 17552), (310, 17603), (314, 17624), (319, 17648), (320, 17651), (323, 17669), (333, 17702), (335, 17714), (337, 17723), (340, 17744), (341, 17747), (358, 17834), (381, 17933), (388, 17975), (391, 17984), (394, 17993), (407, 18050), (422, 18116), (432, 18155), (542, 18461), (547, 18470), (550, 18476), (555, 18485), (563, 18506), (569, 18530), (577, 18551), (590, 18572), (601, 18578), (611, 18611), (614, 18623), (671, 18722), (691, 18782), (701, 18809), (722, 18872), (821, 19145), (826, 19154), (866, 19265), (873, 19295), (886, 19379),

Gene: DelvinSonDorr_28 Start: 16728, Stop: 18932, Start Num: 93
Candidate Starts for DelvinSonDorr_28:
(41, 16569), (77, 16683), (Start: 93 @16728 has 49 MA's), (Start: 145 @16839 has 7 MA's), (147, 16845), (182, 16953), (196, 16995), (243, 17061), (273, 17154), (282, 17181), (313, 17304), (319, 17337), (339, 17427), (352, 17496), (425, 17739), (531, 17877), (623, 17997), (721, 18150), (749, 18213), (758, 18255), (789, 18354), (797, 18375), (804, 18396), (813, 18417), (830, 18468), (834, 18480), (840, 18495), (857, 18576), (873, 18654),

Gene: Dexes_25 Start: 17027, Stop: 19498, Start Num: 135
Candidate Starts for Dexes_25:

(Start: 135 @17027 has 221 MA's), (Start: 150 @17066 has 5 MA's), (171, 17129), (182, 17159), (188, 17180), (196, 17201), (202, 17213), (233, 17231), (246, 17276), (260, 17321), (313, 17519), (319, 17552), (335, 17618), (396, 17873), (407, 17894), (414, 17921), (492, 18080), (519, 18116), (566, 18209), (572, 18230), (579, 18245), (588, 18266), (591, 18269), (611, 18338), (625, 18374), (637, 18407), (652, 18443), (667, 18473), (681, 18509), (705, 18575), (713, 18596), (749, 18737), (786, 18878), (797, 18899), (841, 19034), (875, 19211), (895, 19322), (911, 19409), (918, 19448), (921, 19478),

Gene: Dhanush_25 Start: 15888, Stop: 18488, Start Num: 95
Candidate Starts for Dhanush_25:
(Start: 95 @15888 has 129 MA's), (Start: 153 @16029 has 23 MA's), (Start: 163 @16047 has 10 MA's), (238, 16254), (248, 16293), (255, 16323), (290, 16440), (298, 16467), (313, 16530), (326, 16593), (337, 16638), (344, 16680), (362, 16764), (460, 17031), (490, 17082), (519, 17127), (554, 17205), (571, 17244), (613, 17340), (615, 17349), (639, 17412), (649, 17433), (680, 17523), (697, 17577), (713, 17625), (731, 17691), (767, 17856), (774, 17874), (822, 18000), (880, 18252), (881, 18255), (883, 18264), (895, 18324), (916, 18420), (921, 18468),

Gene: Dieselweasel_27 Start: 15980, Stop: 19006, Start Num: 48
Candidate Starts for Dieselweasel_27:
(40, 15926), (Start: 48 @15980 has 89 MA's), (71, 16094), (88, 16160), (90, 16163), (92, 16172), (104, 16208), (122, 16259), (148, 16331), (171, 16403), (212, 16523), (214, 16526), (225, 16595), (231, 16640), (256, 16733), (262, 16742), (268, 16760), (278, 16787), (294, 16850), (298, 16862), (306, 16895), (310, 16913), (323, 16979), (324, 16982), (326, 16988), (330, 17003), (333, 17012), (335, 17024), (337, 17033), (350, 17111), (354, 17126), (381, 17243), (382, 17246), (386, 17273), (388, 17285), (401, 17339), (407, 17360), (422, 17426), (432, 17465), (468, 17558), (483, 17606), (504, 17651), (520, 17699), (530, 17741), (534, 17750), (547, 17780), (549, 17783), (555, 17795), (573, 17852), (575, 17858), (589, 17879), (590, 17882), (666, 18020), (671, 18032), (691, 18092), (711, 18149), (749, 18287), (753, 18308), (757, 18332), (767, 18377), (774, 18395), (789, 18443), (793, 18455), (814, 18497), (835, 18560), (852, 18617), (865, 18686), (874, 18722), (887, 18803), (916, 18938),

Gene: Dignity_28 Start: 17064, Stop: 19607, Start Num: 130
Candidate Starts for Dignity_28:
(Start: 130 @17064 has 101 MA's), (198, 17244), (199, 17247), (247, 17415), (249, 17421), (253, 17442), (256, 17451), (262, 17460), (266, 17472), (281, 17517), (285, 17538), (298, 17580), (310, 17631), (319, 17676), (320, 17679), (323, 17697), (333, 17730), (335, 17742), (337, 17751), (340, 17772), (341, 17775), (358, 17862), (381, 17961), (388, 18003), (391, 18012), (394, 18021), (407, 18078), (422, 18144), (432, 18183), (462, 18270), (468, 18276), (478, 18312), (504, 18369), (524, 18435), (534, 18468), (540, 18483), (542, 18489), (547, 18498), (555, 18513), (563, 18534), (568, 18555), (575, 18576), (577, 18579), (589, 18597), (590, 18600), (614, 18651), (644, 18708), (653, 18726), (671, 18750), (691, 18810), (701, 18837), (722, 18900), (734, 18945), (766, 19083), (821, 19173), (826, 19182), (846, 19206), (864, 19284), (866, 19293), (873, 19323), (886, 19407),

Gene: DirtDevil_25 Start: 17195, Stop: 19666, Start Num: 135
Candidate Starts for DirtDevil_25:
(Start: 135 @17195 has 221 MA's), (Start: 150 @17234 has 5 MA's), (171, 17297), (182, 17327), (188, 17348), (196, 17369), (202, 17381), (233, 17399), (240, 17423), (260, 17489), (313, 17687), (319, 17720), (335, 17786), (396, 18041), (407, 18062), (414, 18089), (448, 18185), (478, 18215), (492, 18248), (519, 18284), (566, 18377), (572, 18398), (597, 18455), (637, 18575), (652, 18611), (667, 18641), (681, 18677), (705, 18743), (713, 18764), (725, 18806), (749, 18905), (786, 19046), (797, 19067), (841, 19202), (895, 19490), (911, 19577), (918, 19616),

Gene: DirtyDunning_25 Start: 15881, Stop: 18481, Start Num: 95

Candidate Starts for DirtyDunning_25:
(Start: 95 @15881 has 129 MA's), (Start: 153 @16022 has 23 MA's), (Start: 163 @16040 has 10 MA's), (238, 16247), (248, 16286), (255, 16316), (298, 16460), (313, 16523), (326, 16586), (337, 16631), (344, 16673), (362, 16757), (460, 17024), (490, 17075), (519, 17120), (554, 17198), (569, 17231), (571, 17237), (619, 17351), (639, 17405), (659, 17450), (679, 17510), (697, 17570), (731, 17684), (767, 17849), (774, 17867), (822, 17993), (880, 18245), (881, 18248), (883, 18257), (895, 18317), (916, 18413), (921, 18461),

Gene: Discoknowium_22 Start: 15358, Stop: 18699, Start Num: 1
Candidate Starts for Discoknowium_22:
(Start: 1 @15358 has 40 MA's), (19, 15796), (Start: 95 @16108 has 129 MA's), (118, 16186), (131, 16216), (152, 16273), (202, 16420), (204, 16426), (206, 16432), (269, 16558), (273, 16570), (313, 16720), (320, 16756), (326, 16786), (330, 16801), (337, 16831), (338, 16843), (343, 16867), (356, 16936), (379, 17002), (425, 17158), (457, 17227), (458, 17230), (472, 17257), (485, 17281), (543, 17419), (556, 17440), (572, 17485), (593, 17527), (672, 17719), (680, 17749), (690, 17773), (693, 17785), (699, 17806), (716, 17848), (740, 17935), (749, 17971), (753, 17992), (758, 18013), (781, 18091), (789, 18112), (797, 18133), (804, 18154), (813, 18175), (822, 18199), (842, 18262), (863, 18355), (866, 18373), (880, 18454), (883, 18466), (885, 18478), (887, 18487), (898, 18541), (915, 18625), (916, 18634),

Gene: Dixon_22 Start: 14547, Stop: 17624, Start Num: 12
Candidate Starts for Dixon_22:
(Start: 12 @14547 has 13 MA's), (16, 14631), (32, 14799), (36, 14823), (53, 14871), (82, 14991), (102, 15063), (158, 15213), (159, 15216), (162, 15222), (248, 15408), (267, 15468), (269, 15474), (288, 15540), (296, 15567), (299, 15582), (312, 15633), (313, 15636), (319, 15669), (326, 15702), (364, 15870), (418, 16053), (425, 16077), (445, 16125), (457, 16146), (458, 16149), (527, 16293), (548, 16350), (561, 16380), (574, 16419), (606, 16491), (614, 16521), (662, 16620), (674, 16650), (690, 16695), (701, 16728), (749, 16893), (753, 16914), (756, 16926), (777, 17007), (789, 17034), (804, 17076), (813, 17097), (822, 17121), (832, 17151), (842, 17184), (850, 17217), (863, 17277), (868, 17304), (886, 17403), (904, 17499), (912, 17520), (918, 17559), (925, 17607),

Gene: DontArgue_24 Start: 14083, Stop: 16779, Start Num: 149
Candidate Starts for DontArgue_24:
(46, 13720), (Start: 95 @13951 has 129 MA's), (149, 14083), (Start: 163 @14128 has 10 MA's), (189, 14206), (228, 14305), (259, 14413), (263, 14425), (271, 14452), (272, 14455), (280, 14488), (284, 14509), (300, 14566), (308, 14596), (310, 14611), (311, 14617), (316, 14638), (324, 14680), (335, 14743), (371, 14914), (382, 14965), (390, 15007), (406, 15061), (432, 15184), (453, 15238), (510, 15349), (515, 15364), (552, 15469), (567, 15505), (571, 15520), (581, 15541), (582, 15544), (602, 15589), (637, 15688), (639, 15697), (649, 15718), (654, 15730), (672, 15778), (680, 15808), (701, 15874), (729, 15973), (731, 15976), (749, 16051), (761, 16117), (767, 16141), (774, 16159), (787, 16210), (794, 16234), (815, 16288), (822, 16300), (836, 16330), (847, 16369), (893, 16600), (895, 16615), (913, 16693), (916, 16711), (921, 16759),

Gene: Doom_25 Start: 17148, Stop: 19628, Start Num: 135
Candidate Starts for Doom_25:
(Start: 135 @17148 has 221 MA's), (Start: 150 @17187 has 5 MA's), (171, 17250), (182, 17280), (196, 17322), (284, 17529), (290, 17547), (313, 17637), (326, 17700), (333, 17724), (335, 17736), (344, 17787), (483, 18171), (538, 18273), (558, 18312), (579, 18363), (625, 18492), (667, 18591), (705, 18693), (713, 18714), (718, 18726), (725, 18756), (748, 18852), (749, 18855), (762, 18918), (834, 19137), (843, 19170), (875, 19341), (895, 19452), (907, 19518), (911, 19539), (918, 19578), (920, 19593),

Gene: Dorothea_29 Start: 16736, Stop: 18940, Start Num: 93

Candidate Starts for Dorothea_29:
(41, 16577), (77, 16691), (Start: 93 @16736 has 49 MA's), (Start: 145 @16847 has 7 MA's), (182, 16961), (196, 17003), (261, 17126), (273, 17162), (282, 17189), (313, 17312), (319, 17345), (339, 17435), (352, 17504), (425, 17747), (531, 17885), (623, 18005), (721, 18158), (749, 18221), (758, 18263), (789, 18362), (797, 18383), (804, 18404), (813, 18425), (830, 18476), (834, 18488), (840, 18503), (857, 18584), (873, 18662),

Gene: DrFeelGood_23 Start: 16492, Stop: 19152, Start Num: 135
Candidate Starts for DrFeelGood_23:
(Start: 135 @16492 has 221 MA's), (Start: 150 @16531 has 5 MA's), (171, 16594), (182, 16624), (196, 16666), (313, 16975), (326, 17038), (337, 17083), (342, 17107), (357, 17182), (360, 17194), (455, 17515), (566, 17845), (587, 17896), (597, 17923), (669, 18127), (710, 18241), (713, 18250), (720, 18271), (725, 18292), (749, 18391), (758, 18433), (759, 18436), (802, 18565), (830, 18649), (844, 18694), (895, 18976), (911, 19063), (918, 19102), (920, 19117),

Gene: Drake55_28 Start: 17129, Stop: 19636, Start Num: 130
Candidate Starts for Drake55_28:
(Start: 130 @17129 has 101 MA's), (173, 17240), (193, 17297), (246, 17453), (253, 17483), (256, 17492), (278, 17546), (285, 17579), (287, 17585), (330, 17765), (333, 17774), (336, 17789), (337, 17795), (340, 17816), (341, 17819), (344, 17837), (354, 17888), (355, 17897), (381, 18005), (388, 18047), (391, 18056), (401, 18101), (407, 18122), (422, 18188), (432, 18227), (504, 18413), (511, 18428), (516, 18455), (534, 18512), (540, 18527), (542, 18533), (547, 18542), (555, 18557), (563, 18578), (568, 18599), (577, 18623), (601, 18650), (604, 18656), (611, 18683), (666, 18782), (671, 18794), (701, 18881), (722, 18944), (734, 18989), (746, 19037), (756, 19073), (761, 19106), (803, 19169), (814, 19193), (868, 19337), (886, 19436), (901, 19523), (924, 19622),

Gene: Drake94_24 Start: 13780, Stop: 16512, Start Num: 95
Candidate Starts for Drake94_24:
(Start: 95 @13780 has 129 MA's), (Start: 163 @13957 has 10 MA's), (188, 14032), (192, 14044), (251, 14206), (259, 14227), (263, 14239), (272, 14269), (280, 14302), (291, 14347), (297, 14365), (300, 14380), (301, 14389), (308, 14410), (327, 14515), (335, 14557), (370, 14722), (411, 14884), (416, 14911), (510, 15088), (523, 15133), (552, 15208), (570, 15256), (571, 15259), (581, 15280), (582, 15283), (602, 15328), (630, 15403), (631, 15406), (637, 15427), (646, 15451), (672, 15517), (680, 15547), (685, 15559), (711, 15646), (718, 15661), (731, 15715), (749, 15790), (763, 15868), (767, 15880), (774, 15898), (785, 15937), (790, 15949), (794, 15961), (812, 16003), (815, 16015), (822, 16027), (827, 16042), (836, 16063), (838, 16075), (883, 16288), (895, 16348), (902, 16393), (916, 16444), (921, 16492),

Gene: DreamCatcher_27 Start: 17777, Stop: 20245, Start Num: 135
Candidate Starts for DreamCatcher_27:
(Start: 135 @17777 has 221 MA's), (Start: 144 @17792 has 1 MA's), (182, 17906), (188, 17927), (196, 17948), (233, 17978), (240, 18002), (246, 18023), (260, 18068), (313, 18266), (319, 18299), (335, 18365), (396, 18620), (407, 18641), (414, 18668), (492, 18827), (519, 18863), (566, 18956), (572, 18977), (579, 18992), (588, 19013), (591, 19016), (611, 19085), (625, 19121), (637, 19154), (652, 19190), (667, 19220), (681, 19256), (705, 19322), (713, 19343), (725, 19385), (749, 19484), (786, 19625), (797, 19646), (841, 19781), (875, 19958), (895, 20069), (911, 20156), (918, 20195), (921, 20225),

Gene: DreamTeam1_26 Start: 15742, Stop: 18648, Start Num: 66
Candidate Starts for DreamTeam1_26:
(Start: 29 @15553 has 1 MA's), (49, 15655), (Start: 66 @15742 has 43 MA's), (69, 15754), (106, 15886), (112, 15907), (119, 15928), (Start: 138 @15970 has 1 MA's), (143, 15982), (157, 16033), (178, 16096), (191, 16138), (214, 16195), (222, 16234), (258, 16405), (262, 16411), (293, 16516), (298,

16531), (308, 16570), (309, 16573), (323, 16648), (324, 16651), (337, 16702), (340, 16723), (341, 16726), (344, 16744), (381, 16912), (385, 16939), (388, 16954), (401, 17008), (407, 17029), (421, 17092), (422, 17095), (432, 17134), (468, 17227), (474, 17254), (520, 17368), (522, 17377), (535, 17422), (547, 17449), (563, 17485), (568, 17506), (573, 17521), (589, 17548), (590, 17551), (607, 17572), (615, 17605), (649, 17665), (671, 17701), (722, 17851), (734, 17896), (747, 17947), (761, 18013), (767, 18037), (774, 18055), (778, 18076), (785, 18094), (803, 18124), (814, 18157), (822, 18178), (831, 18208), (847, 18259), (865, 18337), (874, 18373), (881, 18424), (886, 18448), (899, 18523), (917, 18589), (922, 18631),

Gene: Dreamboat_25 Start: 16304, Stop: 18775, Start Num: 135
Candidate Starts for Dreamboat_25:
(Start: 135 @16304 has 221 MA's), (Start: 150 @16343 has 5 MA's), (171, 16406), (182, 16436), (188, 16457), (196, 16478), (233, 16508), (240, 16532), (260, 16598), (313, 16796), (319, 16829), (335, 16895), (396, 17150), (407, 17171), (414, 17198), (492, 17357), (519, 17393), (566, 17486), (572, 17507), (597, 17564), (637, 17684), (652, 17720), (667, 17750), (681, 17786), (705, 17852), (713, 17873), (749, 18014), (786, 18155), (797, 18176), (861, 18407), (875, 18488), (895, 18599), (911, 18686), (918, 18725), (921, 18755),

Gene: DroogsArmy_26 Start: 17266, Stop: 20634, Start Num: 22
Candidate Starts for DroogsArmy_26:
(Start: 22 @17266 has 4 MA's), (44, 17395), (54, 17449), (63, 17491), (100, 17653), (Start: 150 @17803 has 5 MA's), (180, 17905), (221, 18040), (266, 18238), (285, 18304), (293, 18331), (294, 18334), (298, 18346), (313, 18409), (314, 18418), (319, 18442), (326, 18472), (337, 18517), (341, 18541), (374, 18685), (381, 18727), (385, 18754), (388, 18769), (398, 18808), (401, 18823), (407, 18844), (420, 18901), (422, 18910), (424, 18919), (471, 19060), (506, 19138), (522, 19192), (542, 19255), (550, 19270), (563, 19300), (566, 19312), (567, 19315), (572, 19333), (575, 19342), (583, 19357), (590, 19375), (599, 19408), (605, 19426), (628, 19489), (655, 19555), (658, 19564), (660, 19567), (664, 19576), (666, 19579), (670, 19588), (671, 19597), (680, 19630), (685, 19642), (693, 19666), (701, 19696), (725, 19774), (727, 19786), (728, 19795), (730, 19798), (734, 19807), (737, 19816), (753, 19894), (757, 19918), (767, 19963), (774, 19981), (791, 20038), (796, 20056), (804, 20080), (808, 20089), (814, 20110), (822, 20131), (824, 20143), (831, 20164), (841, 20203), (849, 20236), (866, 20317), (874, 20350), (881, 20401), (885, 20422), (891, 20446), (901, 20512), (905, 20527), (906, 20533),

Gene: DropBear_25 Start: 15555, Stop: 18593, Start Num: 47
Candidate Starts for DropBear_25:
(Start: 47 @15555 has 37 MA's), (87, 15729), (90, 15741), (Start: 99 @15774 has 4 MA's), (171, 15984), (214, 16107), (219, 16128), (256, 16314), (278, 16368), (294, 16431), (298, 16443), (306, 16476), (310, 16494), (324, 16563), (326, 16569), (330, 16584), (333, 16593), (335, 16605), (337, 16614), (354, 16707), (381, 16824), (382, 16827), (386, 16854), (388, 16866), (401, 16920), (407, 16941), (412, 16962), (422, 17007), (432, 17046), (483, 17187), (504, 17232), (511, 17247), (530, 17322), (534, 17331), (547, 17361), (555, 17376), (557, 17379), (563, 17397), (568, 17418), (569, 17421), (575, 17439), (589, 17460), (590, 17463), (633, 17547), (671, 17613), (677, 17634), (691, 17673), (707, 17712), (722, 17763), (723, 17766), (725, 17775), (730, 17799), (749, 17868), (753, 17889), (767, 17958), (774, 17976), (789, 18024), (793, 18036), (814, 18078), (818, 18090), (833, 18138), (874, 18309), (877, 18339), (883, 18369), (887, 18390), (916, 18525), (917, 18537), (921, 18573),

Gene: Druantia_25 Start: 15886, Stop: 18486, Start Num: 95
Candidate Starts for Druantia_25:
(Start: 95 @15886 has 129 MA's), (Start: 153 @16027 has 23 MA's), (Start: 163 @16045 has 10 MA's), (238, 16252), (248, 16291), (255, 16321), (290, 16438), (298, 16465), (313, 16528), (326, 16591), (337, 16636), (344, 16678), (362, 16762), (460, 17029), (490, 17080), (519, 17125), (554,

17203), (571, 17242), (581, 17263), (639, 17410), (649, 17431), (659, 17455), (679, 17515), (680, 17521), (681, 17524), (697, 17575), (713, 17623), (731, 17689), (767, 17854), (774, 17872), (822, 17998), (880, 18250), (881, 18253), (883, 18262), (895, 18322), (916, 18418), (921, 18466),

Gene: Dublin_21 Start: 15212, Stop: 18550, Start Num: 1
Candidate Starts for Dublin_21:
(Start: 1 @15212 has 40 MA's), (19, 15650), (Start: 95 @15962 has 129 MA's), (108, 16004), (118, 16040), (131, 16070), (152, 16127), (179, 16211), (202, 16274), (204, 16280), (261, 16382), (267, 16400), (294, 16493), (313, 16568), (322, 16613), (326, 16631), (337, 16676), (340, 16697), (385, 16889), (412, 16949), (435, 17027), (458, 17075), (499, 17153), (548, 17279), (556, 17291), (565, 17315), (593, 17378), (672, 17570), (680, 17600), (690, 17624), (693, 17636), (716, 17699), (749, 17822), (753, 17843), (758, 17864), (781, 17942), (789, 17963), (804, 18005), (813, 18026), (825, 18062), (842, 18113), (849, 18143), (863, 18206), (866, 18224), (880, 18305), (883, 18317), (885, 18329), (887, 18338), (898, 18392), (915, 18476), (919, 18515),

Gene: DudeLittle_26 Start: 16690, Stop: 19233, Start Num: 130
Candidate Starts for DudeLittle_26:
(Start: 130 @16690 has 101 MA's), (197, 16867), (198, 16870), (199, 16873), (247, 17041), (249, 17047), (253, 17068), (256, 17077), (266, 17098), (278, 17131), (285, 17164), (310, 17257), (320, 17305), (323, 17323), (330, 17347), (333, 17356), (335, 17368), (336, 17371), (337, 17377), (340, 17398), (341, 17401), (358, 17488), (381, 17587), (388, 17629), (394, 17647), (404, 17695), (407, 17704), (422, 17770), (432, 17809), (504, 17995), (511, 18010), (520, 18043), (534, 18094), (542, 18115), (550, 18130), (555, 18139), (560, 18154), (589, 18223), (671, 18376), (677, 18397), (722, 18526), (734, 18571), (739, 18583), (746, 18619), (821, 18799), (826, 18808), (866, 18919), (873, 18949), (886, 19033),

Gene: Dulcie_23 Start: 16001, Stop: 18472, Start Num: 135
Candidate Starts for Dulcie_23:
(Start: 135 @16001 has 221 MA's), (Start: 150 @16040 has 5 MA's), (171, 16103), (182, 16133), (188, 16154), (196, 16175), (202, 16187), (233, 16205), (260, 16295), (272, 16331), (313, 16493), (319, 16526), (335, 16592), (396, 16847), (407, 16868), (414, 16895), (492, 17054), (519, 17090), (566, 17183), (572, 17204), (597, 17261), (637, 17381), (652, 17417), (667, 17447), (681, 17483), (705, 17549), (713, 17570), (749, 17711), (786, 17852), (797, 17873), (841, 18008), (875, 18185), (895, 18296), (907, 18362), (911, 18383), (918, 18422), (920, 18437),

Gene: Duplo_29 Start: 16546, Stop: 19059, Start Num: 130
Candidate Starts for Duplo_29:
(Start: 130 @16546 has 101 MA's), (198, 16726), (199, 16729), (278, 16975), (293, 17035), (298, 17050), (305, 17080), (306, 17083), (323, 17167), (330, 17191), (336, 17215), (340, 17242), (341, 17245), (361, 17350), (381, 17431), (385, 17458), (388, 17473), (401, 17527), (407, 17548), (422, 17614), (426, 17632), (427, 17641), (462, 17740), (474, 17773), (478, 17782), (504, 17839), (511, 17854), (542, 17959), (590, 18070), (604, 18082), (605, 18088), (614, 18121), (677, 18241), (722, 18370), (726, 18385), (734, 18415), (739, 18427), (746, 18463), (775, 18577), (795, 18589), (817, 18631), (882, 18838), (885, 18856), (886, 18859), (924, 19045),

Gene: Dussy_25 Start: 16660, Stop: 19059, Start Num: 135
Candidate Starts for Dussy_25:
(Start: 135 @16660 has 221 MA's), (Start: 150 @16699 has 5 MA's), (171, 16762), (182, 16792), (188, 16813), (196, 16834), (202, 16846), (208, 16864), (246, 16909), (260, 16954), (313, 17152), (319, 17185), (335, 17251), (406, 17506), (413, 17527), (418, 17554), (434, 17593), (483, 17650), (514, 17680), (598, 17842), (661, 17995), (667, 18007), (675, 18022), (711, 18139), (725, 18184), (728, 18205), (730, 18208), (762, 18358), (767, 18373), (786, 18439), (804, 18481), (861, 18691), (875, 18772), (895, 18883), (911, 18970), (918, 19009), (920, 19024),

Gene: DustyMartin_29 Start: 15937, Stop: 18492, Start Num: 163
Candidate Starts for DustyMartin_29:
(Start: 95 @15760 has 129 MA's), (Start: 163 @15937 has 10 MA's), (173, 15958), (189, 16015), (230, 16111), (232, 16120), (263, 16225), (271, 16252), (280, 16288), (300, 16366), (301, 16375), (308, 16396), (313, 16423), (327, 16501), (335, 16543), (370, 16708), (409, 16858), (411, 16870), (510, 17065), (552, 17185), (569, 17230), (570, 17233), (571, 17236), (581, 17257), (582, 17260), (602, 17305), (613, 17341), (619, 17359), (630, 17380), (639, 17413), (681, 17527), (701, 17590), (725, 17668), (731, 17692), (749, 17767), (761, 17833), (767, 17857), (774, 17875), (807, 17971), (815, 17995), (822, 18007), (827, 18022), (836, 18043), (838, 18055), (883, 18268), (891, 18304), (894, 18325), (895, 18328), (916, 18424), (921, 18472),

Gene: Dynamix_25 Start: 16399, Stop: 18876, Start Num: 137
Candidate Starts for Dynamix_25:
(Start: 137 @16399 has 9 MA's), (Start: 144 @16414 has 1 MA's), (182, 16528), (196, 16570), (284, 16777), (290, 16795), (313, 16885), (326, 16948), (333, 16972), (335, 16984), (344, 17035), (483, 17419), (538, 17521), (558, 17560), (569, 17587), (579, 17611), (625, 17740), (667, 17839), (705, 17941), (713, 17962), (725, 18004), (749, 18103), (762, 18166), (789, 18256), (834, 18385), (843, 18418), (875, 18589), (895, 18700), (907, 18766), (911, 18787), (918, 18826), (920, 18841),

Gene: EZMoney23_30 Start: 18597, Stop: 21101, Start Num: 130
Candidate Starts for EZMoney23_30:
(Start: 130 @18597 has 101 MA's), (173, 18708), (177, 18726), (193, 18765), (202, 18786), (211, 18810), (253, 18939), (256, 18948), (298, 19077), (310, 19128), (324, 19197), (326, 19203), (330, 19218), (333, 19227), (335, 19239), (337, 19248), (381, 19458), (385, 19485), (388, 19500), (401, 19554), (407, 19575), (422, 19641), (432, 19680), (504, 19866), (534, 19965), (540, 19980), (542, 19986), (547, 19995), (555, 20010), (563, 20031), (568, 20052), (589, 20094), (604, 20109), (611, 20136), (639, 20193), (644, 20205), (671, 20247), (691, 20307), (701, 20334), (711, 20364), (722, 20397), (734, 20442), (739, 20454), (817, 20661), (821, 20670), (826, 20679), (858, 20760), (866, 20790), (873, 20820), (886, 20901),

Gene: Eagle_24 Start: 16026, Stop: 18485, Start Num: 153
Candidate Starts for Eagle_24:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (282, 16404), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (613, 17337), (615, 17346), (639, 17409), (649, 17430), (661, 17457), (679, 17514), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: EagleEye_28 Start: 16836, Stop: 19898, Start Num: 3
Candidate Starts for EagleEye_28:
(Start: 3 @16836 has 3 MA's), (10, 17010), (18, 17127), (38, 17304), (84, 17460), (88, 17466), (125, 17568), (165, 17664), (202, 17772), (204, 17778), (269, 17892), (288, 17958), (296, 17985), (313, 18054), (319, 18087), (320, 18090), (338, 18177), (339, 18180), (354, 18258), (373, 18318), (385, 18378), (497, 18612), (529, 18642), (531, 18645), (545, 18669), (606, 18798), (683, 18975), (687, 18987), (749, 19182), (753, 19203), (777, 19296), (789, 19323), (797, 19344), (804, 19365), (869, 19605), (873, 19623), (882, 19680), (903, 19791),

Gene: Eaglepride_26 Start: 15877, Stop: 18447, Start Num: 163
Candidate Starts for Eaglepride_26:

(Start: 95 @15700 has 129 MA's), (Start: 163 @15877 has 10 MA's), (189, 15955), (217, 16030), (228, 16054), (232, 16069), (251, 16141), (263, 16174), (266, 16183), (275, 16216), (280, 16237), (294, 16291), (297, 16300), (300, 16315), (301, 16324), (308, 16345), (323, 16426), (327, 16450), (378, 16690), (416, 16849), (417, 16852), (523, 17068), (552, 17143), (570, 17191), (571, 17194), (581, 17215), (582, 17218), (613, 17299), (615, 17308), (630, 17338), (646, 17386), (649, 17392), (681, 17485), (717, 17593), (725, 17626), (727, 17638), (731, 17650), (737, 17668), (749, 17725), (761, 17791), (767, 17815), (774, 17833), (778, 17854), (785, 17872), (799, 17905), (807, 17926), (822, 17962), (836, 17998), (838, 18010), (883, 18223), (895, 18283), (916, 18379), (921, 18427),

Gene: Eapen_25 Start: 16025, Stop: 18484, Start Num: 153
Candidate Starts for Eapen_25:
(Start: 95 @15884 has 129 MA's), (Start: 153 @16025 has 23 MA's), (Start: 163 @16043 has 10 MA's), (238, 16250), (248, 16289), (255, 16319), (290, 16436), (298, 16463), (313, 16526), (326, 16589), (337, 16634), (344, 16676), (362, 16760), (460, 17027), (490, 17078), (519, 17123), (554, 17201), (571, 17240), (639, 17408), (649, 17429), (659, 17453), (680, 17519), (697, 17573), (713, 17621), (731, 17687), (767, 17852), (774, 17870), (822, 17996), (880, 18248), (881, 18251), (883, 18260), (895, 18320), (916, 18416), (921, 18464),

Gene: Ebony_26 Start: 17224, Stop: 19752, Start Num: 96
Candidate Starts for Ebony_26:
(Start: 91 @17206 has 24 MA's), (Start: 96 @17224 has 4 MA's), (Start: 156 @17398 has 18 MA's), (159, 17407), (196, 17482), (248, 17536), (265, 17590), (270, 17605), (271, 17608), (278, 17626), (294, 17689), (298, 17701), (313, 17764), (326, 17827), (330, 17842), (333, 17851), (337, 17872), (341, 17896), (344, 17911), (364, 17998), (366, 18001), (372, 18016), (378, 18037), (380, 18049), (396, 18115), (412, 18157), (416, 18178), (418, 18187), (425, 18211), (454, 18292), (457, 18301), (462, 18313), (471, 18355), (513, 18412), (532, 18466), (577, 18574), (595, 18613), (647, 18754), (690, 18850), (695, 18871), (708, 18904), (721, 18937), (722, 18940), (748, 19024), (758, 19069), (759, 19072), (792, 19186), (804, 19219), (830, 19291), (842, 19327), (857, 19399), (873, 19477), (881, 19531), (886, 19555), (912, 19666),

Gene: Echild_26 Start: 16721, Stop: 19258, Start Num: 130
Candidate Starts for Echild_26:
(Start: 130 @16721 has 101 MA's), (198, 16901), (211, 16934), (247, 17066), (249, 17072), (253, 17093), (256, 17102), (285, 17189), (298, 17231), (310, 17282), (318, 17318), (320, 17330), (323, 17348), (333, 17381), (335, 17393), (336, 17396), (337, 17402), (340, 17423), (341, 17426), (381, 17612), (388, 17654), (391, 17663), (394, 17672), (407, 17729), (422, 17795), (432, 17834), (487, 17987), (542, 18140), (547, 18149), (550, 18155), (555, 18164), (563, 18185), (569, 18209), (577, 18230), (590, 18251), (611, 18290), (614, 18302), (671, 18401), (691, 18461), (701, 18488), (722, 18551), (734, 18596), (746, 18644), (821, 18824), (826, 18833), (866, 18944), (873, 18974), (886, 19058),

Gene: Edison31_25 Start: 15727, Stop: 18456, Start Num: 95
Candidate Starts for Edison31_25:
(Start: 95 @15727 has 129 MA's), (Start: 163 @15904 has 10 MA's), (173, 15925), (179, 15949), (188, 15979), (189, 15982), (192, 15991), (210, 16030), (217, 16045), (228, 16069), (240, 16114), (251, 16156), (263, 16189), (266, 16198), (280, 16252), (294, 16306), (297, 16315), (301, 16339), (308, 16360), (327, 16465), (335, 16507), (510, 17029), (552, 17149), (569, 17194), (570, 17197), (571, 17200), (582, 17224), (602, 17269), (613, 17305), (630, 17344), (639, 17377), (681, 17491), (725, 17632), (731, 17656), (749, 17731), (761, 17797), (767, 17821), (774, 17839), (794, 17905), (815, 17959), (822, 17971), (827, 17986), (836, 18007), (838, 18019), (883, 18232), (891, 18268), (894, 18289), (895, 18292), (916, 18388), (921, 18436),

Gene: EdogawaKiddo_27 Start: 17590, Stop: 20499, Start Num: 66

Candidate Starts for EdogawaKiddo_27:
(Start: 66 @17590 has 43 MA's), (69, 17602), (85, 17662), (157, 17884), (178, 17947), (191, 17989), (214, 18046), (222, 18085), (258, 18256), (262, 18262), (267, 18277), (293, 18367), (294, 18370), (298, 18382), (309, 18424), (319, 18478), (337, 18553), (340, 18574), (341, 18577), (344, 18595), (356, 18658), (375, 18724), (381, 18763), (385, 18790), (388, 18805), (396, 18835), (401, 18859), (407, 18880), (422, 18946), (432, 18985), (456, 19051), (468, 19078), (474, 19105), (504, 19171), (518, 19216), (542, 19291), (563, 19336), (568, 19357), (575, 19378), (577, 19381), (589, 19399), (590, 19402), (609, 19429), (615, 19456), (644, 19510), (722, 19702), (726, 19717), (734, 19747), (747, 19798), (766, 19885), (768, 19894), (785, 19945), (814, 20008), (822, 20029), (833, 20065), (846, 20101), (847, 20107), (865, 20185), (872, 20212), (881, 20272), (895, 20341), (899, 20371), (905, 20398), (917, 20437), (922, 20479),

Gene: Edtherson_25 Start: 17152, Stop: 19623, Start Num: 135
Candidate Starts for Edtherson_25:
(Start: 135 @17152 has 221 MA's), (Start: 150 @17191 has 5 MA's), (171, 17254), (182, 17284), (188, 17305), (196, 17326), (202, 17338), (233, 17356), (260, 17446), (313, 17644), (319, 17677), (335, 17743), (396, 17998), (407, 18019), (414, 18046), (423, 18085), (448, 18142), (478, 18172), (492, 18205), (519, 18241), (566, 18334), (572, 18355), (597, 18412), (637, 18532), (652, 18568), (667, 18598), (681, 18634), (705, 18700), (713, 18721), (725, 18763), (749, 18862), (786, 19003), (797, 19024), (861, 19255), (875, 19336), (895, 19447), (911, 19534), (918, 19573), (921, 19603),

Gene: Eidsmoe_27 Start: 17620, Stop: 20529, Start Num: 66
Candidate Starts for Eidsmoe_27:
(Start: 66 @17620 has 43 MA's), (69, 17632), (85, 17692), (157, 17914), (178, 17977), (191, 18019), (212, 18073), (214, 18076), (222, 18115), (258, 18286), (262, 18292), (267, 18307), (293, 18397), (294, 18400), (298, 18412), (309, 18454), (319, 18508), (323, 18529), (337, 18583), (340, 18604), (341, 18607), (344, 18625), (356, 18688), (375, 18754), (381, 18793), (385, 18820), (388, 18835), (396, 18865), (401, 18889), (404, 18901), (407, 18910), (422, 18976), (432, 19015), (456, 19081), (468, 19108), (474, 19135), (518, 19246), (542, 19321), (555, 19345), (563, 19366), (568, 19387), (575, 19408), (577, 19411), (589, 19429), (590, 19432), (609, 19459), (637, 19519), (650, 19549), (671, 19582), (680, 19612), (685, 19624), (722, 19732), (726, 19747), (734, 19777), (747, 19828), (766, 19915), (768, 19924), (785, 19975), (814, 20038), (822, 20059), (833, 20095), (846, 20131), (847, 20137), (865, 20215), (872, 20242), (895, 20371), (899, 20401), (905, 20428), (917, 20467), (922, 20509),

Gene: ElTiger69_22 Start: 15089, Stop: 17902, Start Num: 1
Candidate Starts for ElTiger69_22:
(Start: 1 @15089 has 40 MA's), (7, 15278), (Start: 95 @15761 has 129 MA's), (97, 15767), (183, 15860), (206, 15911), (243, 15947), (272, 16037), (288, 16103), (294, 16124), (313, 16199), (319, 16232), (333, 16286), (338, 16319), (339, 16322), (341, 16331), (362, 16430), (375, 16463), (412, 16592), (511, 16757), (537, 16790), (572, 16823), (621, 16904), (632, 16916), (641, 16949), (686, 17036), (697, 17069), (703, 17081), (716, 17111), (749, 17174), (758, 17216), (777, 17288), (789, 17315), (795, 17330), (804, 17357), (813, 17378), (842, 17465), (849, 17495), (863, 17558), (880, 17657), (883, 17669), (885, 17681), (887, 17690), (916, 17837),

Gene: Elephantoon_27 Start: 17214, Stop: 20141, Start Num: 66
Candidate Starts for Elephantoon_27:
(Start: 66 @17214 has 43 MA's), (69, 17226), (76, 17262), (85, 17286), (157, 17508), (178, 17571), (191, 17613), (212, 17667), (214, 17670), (258, 17883), (262, 17889), (267, 17904), (293, 17994), (294, 17997), (298, 18009), (308, 18048), (319, 18105), (335, 18171), (337, 18180), (340, 18201), (341, 18204), (344, 18222), (356, 18285), (381, 18390), (382, 18393), (383, 18402), (385, 18417), (388, 18432), (401, 18486), (407, 18507), (421, 18570), (422, 18573), (432, 18612), (468, 18705), (542, 18918), (563, 18963), (575, 19005), (589, 19026), (590, 19029), (607, 19050), (620, 19095),

(653, 19155), (671, 19179), (691, 19239), (692, 19242), (713, 19299), (722, 19329), (725, 19341), (730, 19365), (734, 19374), (749, 19440), (761, 19506), (767, 19530), (814, 19650), (822, 19671), (833, 19707), (847, 19749), (850, 19764), (865, 19827), (872, 19854), (881, 19914), (899, 20013), (913, 20049), (917, 20079), (922, 20121),

Gene: Elle_26 Start: 15411, Stop: 18080, Start Num: 55
Candidate Starts for Elle_26:
(43, 15351), (45, 15360), (Start: 55 @15411 has 1 MA's), (61, 15441), (Start: 163 @15801 has 10 MA's), (169, 15807), (202, 15903), (205, 15912), (206, 15915), (248, 15972), (259, 16008), (273, 16050), (282, 16077), (288, 16104), (312, 16197), (313, 16200), (319, 16233), (332, 16284), (345, 16356), (356, 16413), (375, 16467), (387, 16530), (411, 16572), (418, 16605), (433, 16647), (486, 16749), (525, 16788), (591, 16917), (608, 16968), (648, 17073), (657, 17097), (665, 17112), (714, 17238), (721, 17256), (740, 17310), (782, 17469), (786, 17487), (789, 17496), (797, 17517), (813, 17559), (816, 17571), (860, 17736), (873, 17808), (889, 17895), (890, 17901),

Gene: EmyBug_27 Start: 17620, Stop: 20529, Start Num: 66
Candidate Starts for EmyBug_27:
(Start: 66 @17620 has 43 MA's), (69, 17632), (85, 17692), (157, 17914), (178, 17977), (191, 18019), (212, 18073), (214, 18076), (222, 18115), (258, 18286), (262, 18292), (267, 18307), (293, 18397), (294, 18400), (298, 18412), (309, 18454), (319, 18508), (323, 18529), (337, 18583), (340, 18604), (341, 18607), (344, 18625), (356, 18688), (375, 18754), (381, 18793), (385, 18820), (388, 18835), (396, 18865), (401, 18889), (404, 18901), (407, 18910), (422, 18976), (432, 19015), (456, 19081), (468, 19108), (474, 19135), (518, 19246), (542, 19321), (563, 19366), (568, 19387), (575, 19408), (577, 19411), (589, 19429), (590, 19432), (609, 19459), (615, 19486), (644, 19540), (722, 19732), (726, 19747), (734, 19777), (747, 19828), (766, 19915), (768, 19924), (785, 19975), (814, 20038), (822, 20059), (833, 20095), (846, 20131), (847, 20137), (865, 20215), (872, 20242), (895, 20371), (899, 20401), (905, 20428), (917, 20467), (922, 20509),

Gene: EnzoK_25 Start: 16577, Stop: 19048, Start Num: 135
Candidate Starts for EnzoK_25:
(Start: 135 @16577 has 221 MA's), (Start: 150 @16616 has 5 MA's), (171, 16679), (182, 16709), (188, 16730), (196, 16751), (202, 16763), (233, 16781), (260, 16871), (313, 17069), (319, 17102), (335, 17168), (396, 17423), (407, 17444), (414, 17471), (423, 17510), (448, 17567), (478, 17597), (492, 17630), (519, 17666), (566, 17759), (572, 17780), (597, 17837), (637, 17957), (652, 17993), (667, 18023), (681, 18059), (705, 18125), (713, 18146), (725, 18188), (749, 18287), (786, 18428), (797, 18449), (861, 18680), (875, 18761), (895, 18872), (911, 18959), (918, 18998), (920, 19013),

Gene: EpicPhail_27 Start: 15979, Stop: 19005, Start Num: 48
Candidate Starts for EpicPhail_27:
(40, 15925), (Start: 48 @15979 has 89 MA's), (71, 16093), (88, 16159), (90, 16162), (92, 16171), (104, 16207), (122, 16258), (148, 16330), (171, 16402), (212, 16522), (214, 16525), (225, 16594), (231, 16639), (256, 16732), (262, 16741), (268, 16759), (278, 16786), (294, 16849), (298, 16861), (306, 16894), (310, 16912), (323, 16978), (324, 16981), (326, 16987), (330, 17002), (333, 17011), (335, 17023), (337, 17032), (350, 17110), (354, 17125), (381, 17242), (382, 17245), (386, 17272), (388, 17284), (401, 17338), (407, 17359), (422, 17425), (432, 17464), (468, 17557), (483, 17605), (504, 17650), (520, 17698), (530, 17740), (534, 17749), (547, 17779), (549, 17782), (555, 17794), (573, 17851), (575, 17857), (589, 17878), (590, 17881), (666, 18019), (671, 18031), (691, 18091), (711, 18148), (749, 18286), (753, 18307), (757, 18331), (767, 18376), (774, 18394), (789, 18442), (793, 18454), (814, 18496), (835, 18559), (852, 18616), (865, 18685), (874, 18721), (887, 18802), (916, 18937),

Gene: Epsocamisio_28 Start: 15923, Stop: 18109, Start Num: 156
Candidate Starts for Epsocamisio_28:

(Start: 95 @15746 has 129 MA's), (Start: 99 @15755 has 4 MA's), (Start: 156 @15923 has 18 MA's), (267, 16163), (269, 16169), (289, 16238), (304, 16295), (337, 16439), (344, 16481), (353, 16529), (354, 16532), (384, 16643), (387, 16661), (425, 16766), (445, 16814), (515, 16919), (541, 16979), (569, 17033), (592, 17069), (599, 17093), (602, 17102), (624, 17165), (636, 17186), (640, 17201), (654, 17225), (659, 17237), (689, 17291), (695, 17312), (709, 17342), (771, 17513), (777, 17534), (813, 17618), (887, 17921), (916, 18044), (917, 18056),

Gene: Equemioh13_28 Start: 17115, Stop: 19622, Start Num: 130
Candidate Starts for Equemioh13_28:
(Start: 130 @17115 has 101 MA's), (173, 17226), (193, 17283), (253, 17469), (278, 17532), (285, 17565), (287, 17571), (330, 17751), (333, 17760), (337, 17781), (340, 17802), (341, 17805), (344, 17823), (355, 17883), (381, 17991), (388, 18033), (401, 18087), (407, 18108), (421, 18171), (422, 18174), (426, 18192), (432, 18213), (504, 18399), (511, 18414), (516, 18441), (534, 18498), (540, 18513), (542, 18519), (547, 18528), (550, 18534), (563, 18564), (568, 18585), (590, 18630), (601, 18636), (611, 18669), (620, 18696), (666, 18768), (671, 18780), (691, 18840), (701, 18867), (722, 18930), (734, 18975), (739, 18987), (746, 19023), (756, 19059), (761, 19092), (803, 19155), (814, 19179), (868, 19323), (886, 19422), (901, 19509), (924, 19608),

Gene: EricB_29 Start: 16728, Stop: 18932, Start Num: 93
Candidate Starts for EricB_29:
(41, 16569), (77, 16683), (Start: 93 @16728 has 49 MA's), (Start: 145 @16839 has 7 MA's), (147, 16845), (182, 16953), (196, 16995), (243, 17061), (273, 17154), (282, 17181), (313, 17304), (319, 17337), (339, 17427), (352, 17496), (425, 17739), (531, 17877), (623, 17997), (721, 18150), (749, 18213), (758, 18255), (789, 18354), (797, 18375), (804, 18396), (813, 18417), (830, 18468), (834, 18480), (840, 18495), (857, 18576), (873, 18654),

Gene: Eris_24 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Eris_24:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (679, 17514), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Eros_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Eros_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (681, 17523), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Espresso_24 Start: 16449, Stop: 18920, Start Num: 135
Candidate Starts for Espresso_24:
(Start: 135 @16449 has 221 MA's), (Start: 150 @16488 has 5 MA's), (171, 16551), (182, 16581), (188, 16602), (196, 16623), (233, 16653), (240, 16677), (260, 16743), (313, 16941), (319, 16974), (335, 17040), (396, 17295), (407, 17316), (414, 17343), (492, 17502), (519, 17538), (566, 17631), (572, 17652), (579, 17667), (588, 17688), (591, 17691), (611, 17760), (625, 17796), (637, 17829), (652, 17865), (667, 17895), (681, 17931), (705, 17997), (713, 18018), (749, 18159), (786, 18300), (797, 18321), (841, 18456), (875, 18633), (895, 18744), (907, 18810), (911, 18831), (918, 18870), (920, 18885),

Gene: Et2Brutus_25 Start: 17166, Stop: 19712, Start Num: 91
Candidate Starts for Et2Brutus_25:
(Start: 91 @17166 has 24 MA's), (Start: 96 @17184 has 4 MA's), (Start: 156 @17358 has 18 MA's), (159, 17367), (196, 17442), (248, 17496), (265, 17550), (270, 17565), (271, 17568), (278, 17586), (294, 17649), (298, 17661), (313, 17724), (326, 17787), (330, 17802), (333, 17811), (337, 17832), (341, 17856), (344, 17871), (364, 17958), (366, 17961), (372, 17976), (378, 17997), (380, 18009), (396, 18075), (416, 18138), (418, 18147), (425, 18171), (454, 18252), (457, 18261), (462, 18273), (471, 18315), (513, 18372), (532, 18426), (577, 18534), (595, 18573), (647, 18714), (690, 18810), (695, 18831), (708, 18864), (721, 18897), (722, 18900), (748, 18984), (758, 19029), (759, 19032), (792, 19146), (804, 19179), (830, 19251), (842, 19287), (857, 19359), (873, 19437), (881, 19491), (886, 19515), (912, 19626),

Gene: EtoileNova_26 Start: 16047, Stop: 19085, Start Num: 47
Candidate Starts for EtoileNova_26:
(Start: 47 @16047 has 37 MA's), (87, 16221), (90, 16233), (Start: 99 @16266 has 4 MA's), (171, 16473), (177, 16494), (212, 16593), (214, 16596), (256, 16806), (266, 16827), (278, 16860), (294, 16923), (298, 16935), (306, 16968), (310, 16986), (314, 17007), (324, 17055), (326, 17061), (330, 17076), (333, 17085), (335, 17097), (337, 17106), (354, 17199), (381, 17316), (382, 17319), (386, 17346), (388, 17358), (401, 17412), (407, 17433), (422, 17499), (432, 17538), (483, 17679), (504, 17724), (530, 17814), (534, 17823), (547, 17853), (568, 17910), (573, 17925), (589, 17952), (590, 17955), (605, 17973), (655, 18084), (691, 18165), (711, 18222), (724, 18264), (749, 18360), (753, 18381), (757, 18405), (767, 18450), (774, 18468), (789, 18516), (793, 18528), (814, 18570), (818, 18582), (833, 18630), (874, 18801), (883, 18861), (885, 18873), (892, 18900), (895, 18921), (916, 19017), (921, 19065),

Gene: Euphoria_24 Start: 16340, Stop: 18808, Start Num: 135
Candidate Starts for Euphoria_24:
(Start: 135 @16340 has 221 MA's), (Start: 144 @16355 has 1 MA's), (182, 16469), (188, 16490), (196, 16511), (233, 16541), (240, 16565), (260, 16631), (313, 16829), (319, 16862), (335, 16928), (396, 17183), (407, 17204), (414, 17231), (492, 17390), (519, 17426), (566, 17519), (572, 17540), (579, 17555), (588, 17576), (591, 17579), (611, 17648), (625, 17684), (637, 17717), (652, 17753), (667, 17783), (681, 17819), (705, 17885), (713, 17906), (749, 18047), (786, 18188), (797, 18209), (841, 18344), (875, 18521), (895, 18632), (907, 18698), (911, 18719), (918, 18758), (920, 18773),

Gene: Eurydice_25 Start: 15882, Stop: 18482, Start Num: 95
Candidate Starts for Eurydice_25:
(Start: 95 @15882 has 129 MA's), (Start: 153 @16023 has 23 MA's), (Start: 163 @16041 has 10 MA's), (238, 16248), (248, 16287), (255, 16317), (290, 16434), (298, 16461), (313, 16524), (326, 16587), (337, 16632), (344, 16674), (362, 16758), (423, 16965), (460, 17025), (490, 17076), (519, 17121), (554, 17199), (569, 17232), (571, 17238), (639, 17406), (649, 17427), (659, 17451), (679, 17511), (680, 17517), (681, 17520), (697, 17571), (713, 17619), (731, 17685), (767, 17850), (774, 17868), (822, 17994), (880, 18246), (881, 18249), (883, 18258), (895, 18318), (916, 18414), (921, 18462),

Gene: EvilGenius_28 Start: 17032, Stop: 19575, Start Num: 130
Candidate Starts for EvilGenius_28:
(Start: 130 @17032 has 101 MA's), (197, 17209), (198, 17212), (199, 17215), (246, 17380), (249, 17389), (253, 17410), (256, 17419), (266, 17440), (278, 17473), (285, 17506), (298, 17548), (310, 17599), (313, 17611), (319, 17644), (320, 17647), (323, 17665), (333, 17698), (335, 17710), (337, 17719), (340, 17740), (341, 17743), (381, 17929), (388, 17971), (391, 17980), (394, 17989), (407, 18046), (422, 18112), (432, 18151), (468, 18244), (478, 18280), (504, 18337), (524, 18403), (534, 18436), (540, 18451), (542, 18457), (547, 18466), (555, 18481), (563, 18502), (568, 18523), (575,

18544), (577, 18547), (589, 18565), (590, 18568), (611, 18607), (614, 18619), (644, 18676), (653, 18694), (671, 18718), (691, 18778), (701, 18805), (722, 18868), (766, 19051), (817, 19132), (821, 19141), (826, 19150), (866, 19261), (873, 19291), (886, 19375),

Gene: Expelliarmus_21 Start: 14514, Stop: 17591, Start Num: 12
Candidate Starts for Expelliarmus_21:
(Start: 12 @14514 has 13 MA's), (16, 14598), (32, 14766), (36, 14790), (53, 14838), (82, 14958), (102, 15030), (158, 15180), (159, 15183), (162, 15189), (248, 15375), (267, 15435), (269, 15441), (288, 15507), (296, 15534), (299, 15549), (312, 15600), (313, 15603), (319, 15636), (326, 15669), (364, 15837), (418, 16020), (425, 16044), (445, 16092), (457, 16113), (458, 16116), (527, 16260), (548, 16317), (561, 16347), (574, 16386), (606, 16458), (614, 16488), (662, 16587), (674, 16617), (690, 16662), (749, 16860), (753, 16881), (756, 16893), (789, 17001), (813, 17064), (822, 17088), (832, 17118), (842, 17151), (850, 17184), (863, 17244), (868, 17271), (886, 17370), (887, 17376), (904, 17466), (912, 17487), (918, 17526), (925, 17574),

Gene: ExplosioNervosa_27 Start: 17623, Stop: 20532, Start Num: 66
Candidate Starts for ExplosioNervosa_27:
(Start: 66 @17623 has 43 MA's), (69, 17635), (85, 17695), (Start: 138 @17854 has 1 MA's), (157, 17917), (178, 17980), (191, 18022), (214, 18079), (222, 18118), (258, 18289), (262, 18295), (267, 18310), (293, 18400), (294, 18403), (298, 18415), (309, 18457), (319, 18511), (337, 18586), (340, 18607), (341, 18610), (344, 18628), (356, 18691), (375, 18757), (381, 18796), (385, 18823), (388, 18838), (396, 18868), (401, 18892), (404, 18904), (407, 18913), (422, 18979), (432, 19018), (456, 19084), (468, 19111), (474, 19138), (518, 19249), (542, 19324), (563, 19369), (568, 19390), (575, 19411), (577, 19414), (589, 19432), (590, 19435), (609, 19462), (615, 19489), (644, 19543), (722, 19735), (726, 19750), (734, 19780), (747, 19831), (766, 19918), (768, 19927), (785, 19978), (814, 20041), (822, 20062), (833, 20098), (846, 20134), (847, 20140), (865, 20218), (872, 20245), (881, 20305), (895, 20374), (899, 20404), (905, 20431), (917, 20470), (922, 20512),

Gene: Eyeball_24 Start: 16155, Stop: 18635, Start Num: 135
Candidate Starts for Eyeball_24:
(Start: 135 @16155 has 221 MA's), (Start: 150 @16194 has 5 MA's), (171, 16257), (182, 16287), (196, 16329), (284, 16536), (290, 16554), (313, 16644), (326, 16707), (333, 16731), (335, 16743), (344, 16794), (483, 17178), (538, 17280), (558, 17319), (569, 17346), (579, 17370), (625, 17499), (667, 17598), (705, 17700), (713, 17721), (718, 17733), (725, 17763), (749, 17862), (762, 17925), (789, 18015), (834, 18144), (843, 18177), (895, 18459), (911, 18546), (918, 18585), (920, 18600),

Gene: Fajezeel_26 Start: 16674, Stop: 19145, Start Num: 135
Candidate Starts for Fajezeel_26:
(Start: 135 @16674 has 221 MA's), (Start: 150 @16713 has 5 MA's), (171, 16776), (182, 16806), (188, 16827), (196, 16848), (202, 16860), (233, 16878), (240, 16902), (281, 17040), (290, 17076), (313, 17166), (319, 17199), (335, 17265), (396, 17520), (407, 17541), (414, 17568), (416, 17583), (448, 17664), (492, 17727), (519, 17763), (566, 17856), (572, 17877), (579, 17892), (588, 17913), (591, 17916), (611, 17985), (625, 18021), (637, 18054), (652, 18090), (667, 18120), (681, 18156), (705, 18222), (713, 18243), (749, 18384), (786, 18525), (797, 18546), (841, 18681), (875, 18858), (895, 18969), (907, 19035), (911, 19056), (918, 19095), (920, 19110),

Gene: Fameo_26 Start: 16665, Stop: 19202, Start Num: 130
Candidate Starts for Fameo_26:
(Start: 130 @16665 has 101 MA's), (197, 16842), (198, 16845), (199, 16848), (247, 17010), (249, 17016), (253, 17037), (256, 17046), (266, 17067), (278, 17100), (285, 17133), (310, 17226), (320, 17274), (323, 17292), (333, 17325), (335, 17337), (336, 17340), (337, 17346), (340, 17367), (341, 17370), (381, 17556), (388, 17598), (391, 17607), (404, 17664), (407, 17673), (422, 17739), (432, 17778), (468, 17871), (471, 17889), (504, 17964), (534, 18063), (540, 18078), (542, 18084), (547,

18093), (555, 18108), (563, 18129), (568, 18150), (577, 18174), (590, 18195), (601, 18201), (611, 18234), (614, 18246), (618, 18255), (671, 18345), (691, 18405), (701, 18432), (722, 18495), (734, 18540), (766, 18678), (821, 18768), (826, 18777), (866, 18888), (873, 18918), (886, 19002),

Gene: Farber_27 Start: 15972, Stop: 18998, Start Num: 48
Candidate Starts for Farber_27:
(40, 15918), (Start: 48 @15972 has 89 MA's), (71, 16086), (88, 16152), (90, 16155), (92, 16164), (104, 16200), (122, 16251), (148, 16323), (171, 16395), (212, 16515), (214, 16518), (225, 16587), (231, 16632), (256, 16725), (262, 16734), (268, 16752), (278, 16779), (294, 16842), (298, 16854), (306, 16887), (310, 16905), (323, 16971), (324, 16974), (326, 16980), (330, 16995), (333, 17004), (335, 17016), (337, 17025), (354, 17118), (381, 17235), (382, 17238), (386, 17265), (388, 17277), (401, 17331), (407, 17352), (422, 17418), (427, 17445), (468, 17550), (483, 17598), (504, 17643), (520, 17691), (530, 17733), (534, 17742), (547, 17772), (549, 17775), (555, 17787), (573, 17844), (575, 17850), (589, 17871), (590, 17874), (666, 18012), (671, 18024), (691, 18084), (713, 18144), (722, 18174), (723, 18177), (725, 18186), (749, 18279), (767, 18369), (789, 18435), (793, 18447), (814, 18489), (835, 18552), (852, 18609), (865, 18678), (874, 18714), (887, 18795), (916, 18930),

Gene: Fascinus_23 Start: 16097, Stop: 18676, Start Num: 135
Candidate Starts for Fascinus_23:
(Start: 135 @16097 has 221 MA's), (Start: 150 @16136 has 5 MA's), (171, 16199), (182, 16229), (275, 16448), (285, 16484), (326, 16652), (337, 16697), (341, 16721), (344, 16739), (433, 17051), (501, 17207), (536, 17309), (551, 17342), (581, 17414), (597, 17453), (625, 17540), (667, 17639), (705, 17741), (713, 17762), (718, 17774), (725, 17804), (749, 17903), (762, 17966), (789, 18056), (834, 18185), (843, 18218), (895, 18500), (911, 18587), (918, 18626), (920, 18641),

Gene: FatCactus_24 Start: 14668, Stop: 17589, Start Num: 12
Candidate Starts for FatCactus_24:
(Start: 12 @14668 has 13 MA's), (Start: 14 @14707 has 1 MA's), (21, 14866), (28, 14911), (39, 14956), (50, 14977), (58, 15004), (68, 15049), (78, 15088), (80, 15097), (87, 15118), (121, 15220), (164, 15313), (176, 15346), (194, 15400), (240, 15445), (273, 15535), (282, 15562), (294, 15610), (296, 15616), (313, 15685), (320, 15721), (326, 15751), (333, 15775), (352, 15874), (356, 15895), (367, 15925), (434, 16138), (435, 16141), (458, 16189), (495, 16258), (548, 16381), (568, 16435), (572, 16447), (606, 16528), (621, 16570), (680, 16708), (711, 16762), (756, 16930), (779, 17014), (789, 17038), (795, 17053), (797, 17059), (813, 17101), (885, 17386), (886, 17389), (895, 17434), (903, 17479), (916, 17518), (921, 17566),

Gene: Fayely_27 Start: 17623, Stop: 20532, Start Num: 66
Candidate Starts for Fayely_27:
(Start: 66 @17623 has 43 MA's), (69, 17635), (85, 17695), (Start: 138 @17854 has 1 MA's), (157, 17917), (178, 17980), (191, 18022), (214, 18079), (258, 18289), (262, 18295), (267, 18310), (293, 18400), (294, 18403), (298, 18415), (309, 18457), (319, 18511), (337, 18586), (340, 18607), (341, 18610), (344, 18628), (356, 18691), (375, 18757), (381, 18796), (385, 18823), (388, 18838), (396, 18868), (401, 18892), (404, 18904), (407, 18913), (422, 18979), (432, 19018), (456, 19084), (468, 19111), (474, 19138), (504, 19204), (518, 19249), (542, 19324), (563, 19369), (568, 19390), (575, 19411), (577, 19414), (589, 19432), (590, 19435), (609, 19462), (644, 19543), (671, 19585), (722, 19735), (726, 19750), (734, 19780), (747, 19831), (766, 19918), (768, 19927), (785, 19978), (814, 20041), (822, 20062), (833, 20098), (846, 20134), (847, 20140), (865, 20218), (872, 20245), (881, 20305), (895, 20374), (899, 20404), (905, 20431), (917, 20470), (922, 20512),

Gene: Fenn_25 Start: 17895, Stop: 20510, Start Num: 135
Candidate Starts for Fenn_25:
(Start: 135 @17895 has 221 MA's), (Start: 150 @17934 has 5 MA's), (171, 17997), (Start: 174 @18003 has 1 MA's), (182, 18027), (245, 18135), (298, 18306), (312, 18366), (313, 18369), (338, 18492), (344,

18522), (357, 18585), (417, 18804), (438, 18876), (463, 18924), (476, 18969), (564, 19194), (566, 19203), (579, 19239), (597, 19281), (669, 19485), (710, 19599), (713, 19608), (720, 19629), (725, 19650), (749, 19749), (758, 19791), (759, 19794), (802, 19923), (830, 20007), (844, 20052), (895, 20334), (907, 20400), (911, 20421), (918, 20460), (920, 20475),

Gene: Fernando_27 Start: 15978, Stop: 19004, Start Num: 48
Candidate Starts for Fernando_27:
(40, 15924), (Start: 48 @15978 has 89 MA's), (71, 16092), (88, 16158), (90, 16161), (92, 16170), (104, 16206), (122, 16257), (148, 16329), (171, 16401), (212, 16521), (214, 16524), (225, 16593), (231, 16638), (256, 16731), (262, 16740), (268, 16758), (278, 16785), (294, 16848), (298, 16860), (306, 16893), (310, 16911), (323, 16977), (324, 16980), (326, 16986), (330, 17001), (333, 17010), (335, 17022), (337, 17031), (350, 17109), (354, 17124), (381, 17241), (382, 17244), (386, 17271), (388, 17283), (401, 17337), (407, 17358), (422, 17424), (432, 17463), (468, 17556), (483, 17604), (504, 17649), (520, 17697), (530, 17739), (534, 17748), (547, 17778), (549, 17781), (555, 17793), (573, 17850), (575, 17856), (589, 17877), (590, 17880), (666, 18018), (671, 18030), (691, 18090), (711, 18147), (749, 18285), (753, 18306), (757, 18330), (767, 18375), (774, 18393), (789, 18441), (793, 18453), (814, 18495), (835, 18558), (852, 18615), (865, 18684), (874, 18720), (887, 18801), (916, 18936),

Gene: Fibonacci_26 Start: 17160, Stop: 19706, Start Num: 91
Candidate Starts for Fibonacci_26:
(Start: 91 @17160 has 24 MA's), (Start: 96 @17178 has 4 MA's), (Start: 156 @17352 has 18 MA's), (159, 17361), (196, 17436), (265, 17544), (270, 17559), (271, 17562), (278, 17580), (294, 17643), (298, 17655), (313, 17718), (326, 17781), (330, 17796), (333, 17805), (337, 17826), (341, 17850), (344, 17865), (364, 17952), (366, 17955), (372, 17970), (378, 17991), (380, 18003), (396, 18069), (412, 18111), (416, 18132), (418, 18141), (425, 18165), (454, 18246), (457, 18255), (462, 18267), (471, 18309), (513, 18366), (532, 18420), (577, 18528), (595, 18567), (647, 18708), (690, 18804), (695, 18825), (708, 18858), (721, 18891), (722, 18894), (748, 18978), (758, 19023), (759, 19026), (792, 19140), (804, 19173), (830, 19245), (842, 19281), (857, 19353), (873, 19431), (881, 19485), (886, 19509), (912, 19620),

Gene: FiringLine_26 Start: 16547, Stop: 19084, Start Num: 130
Candidate Starts for FiringLine_26:
(Start: 130 @16547 has 101 MA's), (197, 16724), (198, 16727), (199, 16730), (211, 16760), (249, 16898), (253, 16919), (256, 16928), (266, 16949), (278, 16982), (293, 17042), (298, 17057), (310, 17108), (320, 17156), (323, 17174), (333, 17207), (335, 17219), (336, 17222), (337, 17228), (340, 17249), (341, 17252), (358, 17339), (381, 17438), (388, 17480), (391, 17489), (394, 17498), (404, 17546), (407, 17555), (422, 17621), (432, 17660), (504, 17846), (511, 17861), (520, 17894), (534, 17945), (542, 17966), (550, 17981), (555, 17990), (560, 18005), (589, 18074), (671, 18227), (677, 18248), (722, 18377), (734, 18422), (739, 18434), (746, 18470), (821, 18650), (826, 18659), (866, 18770), (873, 18800), (886, 18884),

Gene: First_0026 Start: 16642, Stop: 19185, Start Num: 130
Candidate Starts for First_0026:
(Start: 55 @16390 has 1 MA's), (Start: 130 @16642 has 101 MA's), (198, 16822), (199, 16825), (211, 16855), (246, 16990), (249, 16999), (253, 17020), (256, 17029), (266, 17050), (278, 17083), (285, 17116), (310, 17209), (320, 17257), (323, 17275), (328, 17287), (333, 17308), (337, 17329), (340, 17350), (341, 17353), (381, 17539), (388, 17581), (391, 17590), (394, 17599), (407, 17656), (422, 17722), (432, 17761), (462, 17848), (504, 17947), (542, 18067), (547, 18076), (550, 18082), (555, 18091), (563, 18112), (569, 18136), (577, 18157), (590, 18178), (602, 18187), (611, 18217), (614, 18229), (620, 18244), (644, 18286), (688, 18379), (691, 18388), (701, 18415), (722, 18478), (821, 18751), (826, 18760), (866, 18871), (873, 18901), (886, 18985),

Gene: Flare16_26 Start: 16673, Stop: 19180, Start Num: 130
Candidate Starts for Flare16_26:
(Start: 130 @16673 has 101 MA's), (173, 16784), (193, 16841), (246, 16997), (253, 17027), (278, 17090), (285, 17123), (287, 17129), (330, 17309), (333, 17318), (337, 17339), (340, 17360), (341, 17363), (344, 17381), (355, 17441), (381, 17549), (388, 17591), (401, 17645), (407, 17666), (421, 17729), (422, 17732), (426, 17750), (432, 17771), (504, 17957), (511, 17972), (516, 17999), (534, 18056), (540, 18071), (542, 18077), (547, 18086), (550, 18092), (563, 18122), (568, 18143), (590, 18188), (601, 18194), (611, 18227), (620, 18254), (666, 18326), (671, 18338), (691, 18398), (701, 18425), (722, 18488), (734, 18533), (746, 18581), (756, 18617), (761, 18650), (803, 18713), (814, 18737), (868, 18881), (886, 18980), (901, 19067), (924, 19166),

Gene: Flaverint_26 Start: 17157, Stop: 19703, Start Num: 91
Candidate Starts for Flaverint_26:
(Start: 91 @17157 has 24 MA's), (Start: 96 @17175 has 4 MA's), (Start: 156 @17349 has 18 MA's), (159, 17358), (196, 17433), (248, 17487), (265, 17541), (270, 17556), (271, 17559), (278, 17577), (294, 17640), (298, 17652), (313, 17715), (326, 17778), (330, 17793), (333, 17802), (337, 17823), (341, 17847), (344, 17862), (364, 17949), (366, 17952), (372, 17967), (378, 17988), (380, 18000), (396, 18066), (418, 18138), (425, 18162), (454, 18243), (457, 18252), (462, 18264), (471, 18306), (513, 18363), (532, 18417), (577, 18525), (595, 18564), (647, 18705), (690, 18801), (695, 18822), (708, 18855), (721, 18888), (722, 18891), (748, 18975), (758, 19020), (759, 19023), (792, 19137), (804, 19170), (830, 19242), (842, 19278), (857, 19350), (873, 19428), (881, 19482), (886, 19506), (912, 19617),

Gene: Florean_25 Start: 15882, Stop: 18482, Start Num: 95
Candidate Starts for Florean_25:
(Start: 95 @15882 has 129 MA's), (Start: 153 @16023 has 23 MA's), (Start: 163 @16041 has 10 MA's), (238, 16248), (248, 16287), (255, 16317), (290, 16434), (298, 16461), (313, 16524), (326, 16587), (337, 16632), (344, 16674), (362, 16758), (460, 17025), (490, 17076), (519, 17121), (554, 17199), (571, 17238), (581, 17259), (639, 17406), (649, 17427), (659, 17451), (679, 17511), (680, 17517), (681, 17520), (697, 17571), (713, 17619), (731, 17685), (767, 17850), (774, 17868), (822, 17994), (880, 18246), (881, 18249), (883, 18258), (895, 18318), (916, 18414), (921, 18462),

Gene: Florence1_22 Start: 15032, Stop: 18370, Start Num: 1
Candidate Starts for Florence1_22:
(Start: 1 @15032 has 40 MA's), (19, 15470), (Start: 95 @15782 has 129 MA's), (118, 15860), (131, 15890), (152, 15947), (179, 16031), (202, 16094), (204, 16100), (247, 16160), (293, 16310), (294, 16313), (313, 16388), (322, 16433), (326, 16451), (337, 16496), (340, 16517), (435, 16847), (458, 16895), (499, 16973), (548, 17099), (556, 17111), (565, 17135), (593, 17198), (672, 17390), (680, 17420), (690, 17444), (693, 17456), (716, 17519), (749, 17642), (753, 17663), (758, 17684), (781, 17762), (789, 17783), (804, 17825), (813, 17846), (842, 17933), (849, 17963), (863, 18026), (866, 18044), (880, 18125), (883, 18137), (885, 18149), (887, 18158), (898, 18212), (915, 18296), (919, 18335),

Gene: Florence4_23 Start: 15032, Stop: 18370, Start Num: 1
Candidate Starts for Florence4_23:
(Start: 1 @15032 has 40 MA's), (19, 15470), (Start: 95 @15782 has 129 MA's), (118, 15860), (131, 15890), (152, 15947), (179, 16031), (202, 16094), (204, 16100), (247, 16160), (293, 16310), (294, 16313), (313, 16388), (322, 16433), (326, 16451), (337, 16496), (340, 16517), (435, 16847), (458, 16895), (499, 16973), (548, 17099), (556, 17111), (565, 17135), (593, 17198), (672, 17390), (680, 17420), (690, 17444), (693, 17456), (716, 17519), (749, 17642), (753, 17663), (758, 17684), (781, 17762), (789, 17783), (804, 17825), (813, 17846), (842, 17933), (849, 17963), (863, 18026), (866, 18044), (880, 18125), (883, 18137), (885, 18149), (887, 18158), (898, 18212), (915, 18296), (919, 18335),

Gene: Flux_25 Start: 16026, Stop: 18485, Start Num: 153
Candidate Starts for Flux_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (679, 17514), (680, 17520), (681, 17523), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: FlyCatcher_29 Start: 17560, Stop: 20943, Start Num: 22
Candidate Starts for FlyCatcher_29:
(Start: 22 @17560 has 4 MA's), (100, 17947), (117, 18004), (162, 18136), (167, 18148), (180, 18199), (223, 18346), (264, 18529), (266, 18535), (278, 18568), (281, 18580), (305, 18673), (310, 18694), (313, 18706), (345, 18862), (349, 18886), (363, 18949), (381, 19024), (388, 19066), (401, 19120), (407, 19141), (420, 19198), (421, 19204), (422, 19207), (447, 19291), (452, 19306), (462, 19333), (468, 19339), (504, 19432), (509, 19444), (511, 19447), (563, 19597), (567, 19612), (572, 19630), (583, 19654), (590, 19672), (591, 19675), (628, 19786), (653, 19849), (655, 19852), (675, 19909), (676, 19915), (693, 19963), (701, 19993), (725, 20071), (727, 20083), (728, 20092), (737, 20113), (753, 20191), (767, 20260), (774, 20278), (787, 20329), (796, 20365), (801, 20377), (812, 20410), (822, 20440), (827, 20461), (841, 20512), (849, 20545), (866, 20626), (874, 20659), (877, 20689), (885, 20731), (891, 20755), (901, 20821), (905, 20836), (906, 20842), (918, 20893),

Gene: ForGetIt_22 Start: 15094, Stop: 18435, Start Num: 1
Candidate Starts for ForGetIt_22:
(Start: 1 @15094 has 40 MA's), (19, 15532), (Start: 95 @15844 has 129 MA's), (118, 15922), (131, 15952), (152, 16009), (202, 16156), (204, 16162), (206, 16168), (269, 16294), (273, 16306), (313, 16456), (320, 16492), (326, 16522), (330, 16537), (337, 16567), (338, 16579), (343, 16603), (356, 16672), (379, 16738), (425, 16894), (457, 16963), (458, 16966), (472, 16993), (485, 17017), (543, 17155), (556, 17176), (572, 17221), (593, 17263), (672, 17455), (680, 17485), (690, 17509), (693, 17521), (699, 17542), (716, 17584), (740, 17671), (749, 17707), (753, 17728), (758, 17749), (781, 17827), (789, 17848), (797, 17869), (804, 17890), (813, 17911), (822, 17935), (842, 17998), (863, 18091), (866, 18109), (880, 18190), (883, 18202), (885, 18214), (887, 18223), (898, 18277), (915, 18361), (916, 18370),

Gene: ForesterFrank_28 Start: 18137, Stop: 20641, Start Num: 130
Candidate Starts for ForesterFrank_28:
(Start: 130 @18137 has 101 MA's), (173, 18248), (177, 18266), (193, 18305), (202, 18326), (211, 18350), (253, 18479), (256, 18488), (262, 18497), (298, 18617), (310, 18668), (324, 18737), (326, 18743), (330, 18758), (333, 18767), (335, 18779), (337, 18788), (381, 18998), (385, 19025), (388, 19040), (401, 19094), (407, 19115), (422, 19181), (432, 19220), (454, 19283), (504, 19406), (511, 19421), (516, 19448), (520, 19454), (534, 19505), (540, 19520), (542, 19526), (547, 19535), (555, 19550), (563, 19571), (568, 19592), (589, 19634), (604, 19649), (615, 19691), (644, 19745), (666, 19775), (671, 19787), (701, 19874), (722, 19937), (734, 19982), (739, 19994), (775, 20144), (817, 20201), (821, 20210), (826, 20219), (866, 20330), (873, 20360), (886, 20441),

Gene: Forsytheast_23 Start: 16363, Stop: 18834, Start Num: 135
Candidate Starts for Forsytheast_23:
(Start: 135 @16363 has 221 MA's), (Start: 150 @16402 has 5 MA's), (171, 16465), (182, 16495), (188, 16516), (196, 16537), (202, 16549), (233, 16567), (260, 16657), (313, 16855), (319, 16888), (335, 16954), (396, 17209), (407, 17230), (414, 17257), (492, 17416), (519, 17452), (566, 17545), (572, 17566), (597, 17623), (637, 17743), (652, 17779), (667, 17809), (681, 17845), (705, 17911), (713, 17932), (749, 18073), (786, 18214), (797, 18235), (861, 18466), (875, 18547), (895, 18658), (902,

18700), (911, 18745), (918, 18784), (920, 18799),

Gene: Francis47_24 Start: 16902, Stop: 19382, Start Num: 135
Candidate Starts for Francis47_24:
(Start: 135 @16902 has 221 MA's), (Start: 150 @16941 has 5 MA's), (171, 17004), (182, 17034), (196, 17076), (284, 17283), (290, 17301), (313, 17391), (326, 17454), (333, 17478), (335, 17490), (344, 17541), (483, 17925), (538, 18027), (558, 18066), (569, 18093), (579, 18117), (667, 18345), (705, 18447), (713, 18468), (718, 18480), (725, 18510), (749, 18609), (762, 18672), (834, 18891), (843, 18924), (895, 19206), (911, 19293), (918, 19332), (921, 19362),

Gene: Fred313_25 Start: 15240, Stop: 18278, Start Num: 47
Candidate Starts for Fred313_25:
(Start: 47 @15240 has 37 MA's), (87, 15414), (90, 15426), (Start: 99 @15459 has 4 MA's), (171, 15669), (214, 15792), (219, 15813), (256, 15999), (266, 16020), (278, 16053), (294, 16116), (298, 16128), (306, 16161), (310, 16179), (324, 16248), (326, 16254), (330, 16269), (333, 16278), (335, 16290), (337, 16299), (354, 16392), (381, 16509), (382, 16512), (386, 16539), (388, 16551), (401, 16605), (407, 16626), (412, 16647), (422, 16692), (432, 16731), (468, 16824), (483, 16872), (504, 16917), (511, 16932), (530, 17007), (534, 17016), (539, 17028), (547, 17046), (555, 17061), (573, 17118), (589, 17145), (590, 17148), (607, 17169), (671, 17298), (677, 17319), (691, 17358), (707, 17397), (713, 17418), (722, 17448), (723, 17451), (725, 17460), (730, 17484), (749, 17553), (753, 17574), (767, 17643), (774, 17661), (789, 17709), (793, 17721), (814, 17763), (818, 17775), (833, 17823), (874, 17994), (877, 18024), (883, 18054), (887, 18075), (916, 18210), (917, 18222), (921, 18258),

Gene: Froghopper_25 Start: 16326, Stop: 18797, Start Num: 135
Candidate Starts for Froghopper_25:
(Start: 135 @16326 has 221 MA's), (Start: 150 @16365 has 5 MA's), (171, 16428), (182, 16458), (188, 16479), (196, 16500), (202, 16512), (233, 16530), (246, 16575), (260, 16620), (313, 16818), (319, 16851), (335, 16917), (396, 17172), (407, 17193), (414, 17220), (492, 17379), (519, 17415), (566, 17508), (572, 17529), (597, 17586), (637, 17706), (652, 17742), (667, 17772), (681, 17808), (705, 17874), (713, 17895), (742, 18012), (749, 18036), (786, 18177), (797, 18198), (861, 18429), (875, 18510), (895, 18621), (907, 18687), (911, 18708), (918, 18747), (920, 18762),

Gene: Funston_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Funston_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Fushigi_25 Start: 16774, Stop: 19254, Start Num: 135
Candidate Starts for Fushigi_25:
(Start: 135 @16774 has 221 MA's), (Start: 150 @16813 has 5 MA's), (171, 16876), (182, 16906), (196, 16948), (284, 17155), (290, 17173), (313, 17263), (326, 17326), (333, 17350), (335, 17362), (344, 17413), (483, 17797), (538, 17899), (558, 17938), (566, 17953), (569, 17965), (579, 17989), (625, 18118), (667, 18217), (705, 18319), (713, 18340), (718, 18352), (725, 18382), (749, 18481), (762, 18544), (834, 18763), (843, 18796), (895, 19078), (907, 19144), (911, 19165), (918, 19204), (921, 19234),

Gene: GMonster_23 Start: 16194, Stop: 18194, Start Num: 135
Candidate Starts for GMonster_23:

(Start: 135 @16194 has 221 MA's), (Start: 150 @16233 has 5 MA's), (171, 16296), (182, 16326), (188, 16347), (237, 16407), (264, 16503), (276, 16542), (284, 16572), (288, 16584), (313, 16680), (319, 16713), (375, 16947), (450, 17172), (519, 17235), (584, 17337), (588, 17349), (617, 17427), (636, 17469), (663, 17523), (667, 17535), (675, 17550), (680, 17568), (685, 17580), (718, 17658), (725, 17688), (736, 17733), (749, 17784), (811, 17994), (856, 18144),

Gene: Gachnar_24 Start: 16385, Stop: 18856, Start Num: 135
Candidate Starts for Gachnar_24:
(Start: 135 @16385 has 221 MA's), (Start: 150 @16424 has 5 MA's), (171, 16487), (182, 16517), (188, 16538), (196, 16559), (202, 16571), (233, 16589), (260, 16679), (313, 16877), (319, 16910), (335, 16976), (396, 17231), (407, 17252), (414, 17279), (492, 17438), (519, 17474), (566, 17567), (572, 17588), (597, 17645), (637, 17765), (652, 17801), (667, 17831), (681, 17867), (705, 17933), (713, 17954), (749, 18095), (786, 18236), (797, 18257), (841, 18392), (875, 18569), (895, 18680), (911, 18767), (918, 18806), (920, 18821),

Gene: Gadost_25 Start: 16030, Stop: 18489, Start Num: 153
Candidate Starts for Gadost_25:
(Start: 95 @15889 has 129 MA's), (Start: 153 @16030 has 23 MA's), (Start: 163 @16048 has 10 MA's), (238, 16255), (248, 16294), (255, 16324), (290, 16441), (298, 16468), (313, 16531), (326, 16594), (337, 16639), (344, 16681), (362, 16765), (460, 17032), (490, 17083), (519, 17128), (554, 17206), (569, 17239), (571, 17245), (581, 17266), (639, 17413), (649, 17434), (659, 17458), (680, 17524), (697, 17578), (713, 17626), (731, 17692), (767, 17857), (774, 17875), (822, 18001), (880, 18253), (881, 18256), (883, 18265), (895, 18325), (916, 18421), (921, 18469),

Gene: GageAP_26 Start: 17075, Stop: 19546, Start Num: 135
Candidate Starts for GageAP_26:
(Start: 135 @17075 has 221 MA's), (Start: 150 @17114 has 5 MA's), (171, 17177), (Start: 174 @17183 has 1 MA's), (182, 17207), (188, 17228), (196, 17249), (233, 17279), (240, 17303), (260, 17369), (313, 17567), (319, 17600), (335, 17666), (396, 17921), (407, 17942), (414, 17969), (492, 18128), (519, 18164), (566, 18257), (572, 18278), (579, 18293), (588, 18314), (591, 18317), (611, 18386), (625, 18422), (637, 18455), (652, 18491), (667, 18521), (681, 18557), (705, 18623), (713, 18644), (749, 18785), (786, 18926), (797, 18947), (841, 19082), (875, 19259), (895, 19370), (902, 19412), (911, 19457), (918, 19496), (920, 19511),

Gene: Gail_25 Start: 15723, Stop: 18137, Start Num: 145
Candidate Starts for Gail_25:
(Start: 145 @15723 has 7 MA's), (Start: 150 @15741 has 5 MA's), (160, 15774), (201, 15876), (217, 15918), (233, 15960), (238, 15972), (272, 16086), (284, 16140), (298, 16185), (313, 16248), (319, 16281), (340, 16377), (356, 16461), (397, 16602), (458, 16746), (490, 16800), (496, 16815), (517, 16842), (521, 16854), (601, 17040), (661, 17196), (702, 17286), (720, 17337), (737, 17397), (743, 17430), (744, 17442), (753, 17475), (756, 17484), (798, 17616), (803, 17628), (812, 17652), (836, 17706), (864, 17823), (885, 17934), (899, 18009), (917, 18075), (921, 18111),

Gene: Gandalf20_25 Start: 17202, Stop: 19673, Start Num: 135
Candidate Starts for Gandalf20_25:
(Start: 135 @17202 has 221 MA's), (Start: 150 @17241 has 5 MA's), (171, 17304), (182, 17334), (188, 17355), (196, 17376), (202, 17388), (233, 17406), (240, 17430), (260, 17496), (313, 17694), (319, 17727), (335, 17793), (396, 18048), (407, 18069), (414, 18096), (492, 18255), (519, 18291), (566, 18384), (572, 18405), (597, 18462), (611, 18513), (625, 18549), (637, 18582), (652, 18618), (667, 18648), (681, 18684), (705, 18750), (713, 18771), (749, 18912), (786, 19053), (797, 19074), (841, 19209), (875, 19386), (895, 19497), (907, 19563), (911, 19584), (918, 19623), (920, 19638),

Gene: Garak_30 Start: 16733, Stop: 18937, Start Num: 93

Candidate Starts for Garak_30:
(41, 16574), (77, 16688), (Start: 93 @16733 has 49 MA's), (Start: 145 @16844 has 7 MA's), (196, 17000), (269, 17147), (273, 17159), (313, 17309), (319, 17342), (339, 17432), (352, 17501), (425, 17744), (531, 17882), (623, 18002), (721, 18155), (749, 18218), (758, 18260), (789, 18359), (797, 18380), (804, 18401), (813, 18422), (830, 18473), (834, 18485), (840, 18500), (857, 18581), (873, 18659),

Gene: GaugeLDP_28 Start: 17905, Stop: 20424, Start Num: 130
Candidate Starts for GaugeLDP_28:
(Start: 130 @17905 has 101 MA's), (173, 18016), (198, 18085), (199, 18088), (220, 18142), (253, 18259), (256, 18268), (262, 18277), (278, 18322), (280, 18331), (310, 18448), (321, 18505), (324, 18517), (326, 18523), (330, 18538), (335, 18559), (337, 18568), (381, 18778), (386, 18808), (388, 18820), (401, 18874), (407, 18895), (422, 18961), (427, 18988), (432, 19000), (483, 19141), (504, 19186), (511, 19201), (516, 19228), (518, 19231), (534, 19285), (550, 19321), (555, 19330), (563, 19351), (569, 19375), (573, 19387), (589, 19414), (590, 19417), (611, 19456), (614, 19468), (620, 19483), (691, 19627), (701, 19654), (711, 19684), (713, 19687), (722, 19717), (734, 19762), (739, 19774), (746, 19810), (761, 19879), (817, 19978), (821, 19987), (826, 19996), (866, 20107), (879, 20194), (886, 20224), (921, 20401),

Gene: Gemma_27 Start: 16053, Stop: 19079, Start Num: 48
Candidate Starts for Gemma_27:
(40, 15999), (Start: 48 @16053 has 89 MA's), (71, 16167), (88, 16233), (90, 16236), (92, 16245), (104, 16281), (122, 16332), (148, 16404), (171, 16476), (212, 16596), (214, 16599), (225, 16668), (231, 16713), (256, 16806), (262, 16815), (278, 16860), (287, 16899), (294, 16923), (298, 16935), (306, 16968), (310, 16986), (314, 17007), (324, 17055), (326, 17061), (330, 17076), (333, 17085), (335, 17097), (337, 17106), (354, 17199), (377, 17286), (381, 17316), (382, 17319), (386, 17346), (388, 17358), (401, 17412), (407, 17433), (415, 17463), (422, 17499), (462, 17625), (483, 17679), (504, 17724), (520, 17772), (530, 17814), (534, 17823), (547, 17853), (573, 17925), (575, 17931), (589, 17952), (590, 17955), (604, 17967), (655, 18084), (666, 18093), (691, 18165), (692, 18168), (707, 18204), (722, 18255), (723, 18258), (725, 18267), (767, 18450), (789, 18516), (793, 18528), (814, 18570), (835, 18633), (852, 18690), (865, 18759), (874, 18795), (887, 18876), (916, 19011), (917, 19023),

Gene: George_21 Start: 15244, Stop: 18582, Start Num: 1
Candidate Starts for George_21:
(Start: 1 @15244 has 40 MA's), (19, 15682), (Start: 95 @15994 has 129 MA's), (118, 16072), (131, 16102), (152, 16159), (179, 16243), (202, 16306), (204, 16312), (267, 16432), (293, 16522), (294, 16525), (313, 16600), (322, 16645), (326, 16663), (337, 16708), (340, 16729), (385, 16921), (435, 17059), (458, 17107), (499, 17185), (548, 17311), (556, 17323), (565, 17347), (593, 17410), (672, 17602), (680, 17632), (690, 17656), (693, 17668), (716, 17731), (749, 17854), (753, 17875), (758, 17896), (781, 17974), (789, 17995), (804, 18037), (813, 18058), (842, 18145), (849, 18175), (863, 18238), (866, 18256), (880, 18337), (883, 18349), (885, 18361), (887, 18370), (898, 18424), (919, 18547),

Gene: Georgie2_27 Start: 16538, Stop: 19075, Start Num: 130
Candidate Starts for Georgie2_27:
(Start: 130 @16538 has 101 MA's), (197, 16715), (198, 16718), (199, 16721), (211, 16751), (249, 16889), (253, 16910), (256, 16919), (266, 16940), (278, 16973), (293, 17033), (298, 17048), (310, 17099), (320, 17147), (323, 17165), (333, 17198), (335, 17210), (336, 17213), (337, 17219), (340, 17240), (341, 17243), (358, 17330), (381, 17429), (388, 17471), (391, 17480), (394, 17489), (404, 17537), (407, 17546), (422, 17612), (432, 17651), (504, 17837), (511, 17852), (520, 17885), (534, 17936), (542, 17957), (550, 17972), (555, 17981), (560, 17996), (589, 18065), (671, 18218), (677, 18239), (722, 18368), (734, 18413), (739, 18425), (746, 18461), (821, 18641), (826, 18650), (866,

18761), (873, 18791), (886, 18875),

Gene: Ghoulboy_22 Start: 15349, Stop: 18750, Start Num: 1
Candidate Starts for Ghoulboy_22:
(Start: 1 @15349 has 40 MA's), (4, 15409), (8, 15562), (11, 15601), (19, 15787), (59, 16015), (62, 16027), (65, 16039), (Start: 95 @16171 has 129 MA's), (118, 16249), (131, 16279), (152, 16336), (202, 16483), (204, 16489), (206, 16495), (269, 16621), (273, 16633), (313, 16783), (320, 16819), (326, 16849), (330, 16864), (337, 16894), (338, 16906), (343, 16930), (356, 16999), (379, 17065), (425, 17221), (457, 17290), (458, 17293), (472, 17320), (485, 17344), (543, 17482), (556, 17503), (572, 17536), (593, 17578), (672, 17770), (680, 17800), (690, 17824), (693, 17836), (699, 17857), (716, 17899), (740, 17986), (749, 18022), (753, 18043), (758, 18064), (781, 18142), (789, 18163), (797, 18184), (804, 18205), (813, 18226), (822, 18250), (842, 18313), (863, 18406), (866, 18424), (880, 18505), (883, 18517), (885, 18529), (887, 18538), (898, 18592), (915, 18676), (916, 18685),

Gene: Gilberta_26 Start: 17154, Stop: 19700, Start Num: 91
Candidate Starts for Gilberta_26:
(Start: 91 @17154 has 24 MA's), (Start: 96 @17172 has 4 MA's), (Start: 156 @17346 has 18 MA's), (159, 17355), (196, 17430), (248, 17484), (265, 17538), (270, 17553), (271, 17556), (278, 17574), (294, 17637), (298, 17649), (313, 17712), (326, 17775), (330, 17790), (333, 17799), (337, 17820), (341, 17844), (344, 17859), (364, 17946), (366, 17949), (372, 17964), (378, 17985), (380, 17997), (396, 18063), (418, 18135), (425, 18159), (454, 18240), (457, 18249), (462, 18261), (471, 18303), (513, 18360), (532, 18414), (577, 18522), (595, 18561), (647, 18702), (690, 18798), (695, 18819), (708, 18852), (721, 18885), (722, 18888), (748, 18972), (758, 19017), (759, 19020), (792, 19134), (804, 19167), (830, 19239), (842, 19275), (857, 19347), (873, 19425), (881, 19479), (886, 19503), (912, 19614),

Gene: GingkoMaracino_27 Start: 15865, Stop: 18891, Start Num: 48
Candidate Starts for GingkoMaracino_27:
(40, 15811), (Start: 48 @15865 has 89 MA's), (71, 15979), (88, 16045), (90, 16048), (92, 16057), (104, 16093), (122, 16144), (148, 16216), (171, 16288), (212, 16408), (214, 16411), (225, 16480), (231, 16525), (256, 16618), (262, 16627), (268, 16645), (278, 16672), (294, 16735), (298, 16747), (306, 16780), (310, 16798), (323, 16864), (324, 16867), (326, 16873), (330, 16888), (333, 16897), (335, 16909), (337, 16918), (350, 16996), (354, 17011), (381, 17128), (382, 17131), (386, 17158), (388, 17170), (401, 17224), (407, 17245), (422, 17311), (432, 17350), (468, 17443), (483, 17491), (504, 17536), (520, 17584), (530, 17626), (534, 17635), (547, 17665), (549, 17668), (555, 17680), (573, 17737), (575, 17743), (589, 17764), (590, 17767), (666, 17905), (671, 17917), (691, 17977), (711, 18034), (749, 18172), (753, 18193), (757, 18217), (767, 18262), (774, 18280), (789, 18328), (793, 18340), (814, 18382), (835, 18445), (852, 18502), (865, 18571), (874, 18607), (887, 18688), (916, 18823),

Gene: Giroux_26 Start: 15495, Stop: 18530, Start Num: 47
Candidate Starts for Giroux_26:
(Start: 47 @15495 has 37 MA's), (87, 15669), (90, 15681), (Start: 99 @15714 has 4 MA's), (171, 15924), (212, 16044), (214, 16047), (256, 16251), (266, 16272), (277, 16302), (278, 16305), (294, 16368), (298, 16380), (306, 16413), (310, 16431), (324, 16500), (326, 16506), (330, 16521), (333, 16530), (335, 16542), (337, 16551), (354, 16644), (381, 16761), (382, 16764), (385, 16788), (386, 16791), (388, 16803), (401, 16857), (407, 16878), (412, 16899), (422, 16944), (427, 16971), (432, 16983), (483, 17124), (504, 17169), (511, 17184), (530, 17259), (534, 17268), (547, 17298), (555, 17313), (557, 17316), (563, 17334), (568, 17355), (569, 17358), (589, 17397), (590, 17400), (633, 17484), (671, 17550), (677, 17571), (691, 17610), (707, 17649), (713, 17670), (722, 17700), (723, 17703), (725, 17712), (730, 17736), (749, 17805), (753, 17826), (767, 17895), (774, 17913), (789, 17961), (793, 17973), (814, 18015), (818, 18027), (833, 18075), (874, 18246), (877, 18276), (883, 18306), (887, 18327), (916, 18462), (921, 18510),

Gene: Gladiator_29 Start: 16707, Stop: 18923, Start Num: 93
Candidate Starts for Gladiator_29:
(77, 16662), (Start: 93 @16707 has 49 MA's), (Start: 145 @16818 has 7 MA's), (196, 16974), (269, 17121), (273, 17133), (312, 17280), (313, 17283), (319, 17316), (339, 17406), (352, 17475), (375, 17550), (425, 17718), (623, 17976), (656, 18021), (721, 18129), (749, 18192), (758, 18234), (789, 18333), (797, 18354), (813, 18396), (830, 18447), (840, 18474), (857, 18555), (873, 18645),

Gene: Gompeii16_24 Start: 16850, Stop: 19330, Start Num: 135
Candidate Starts for Gompeii16_24:
(Start: 135 @16850 has 221 MA's), (Start: 150 @16889 has 5 MA's), (171, 16952), (182, 16982), (196, 17024), (284, 17231), (290, 17249), (313, 17339), (326, 17402), (333, 17426), (335, 17438), (344, 17489), (483, 17873), (538, 17975), (558, 18014), (566, 18029), (569, 18041), (579, 18065), (667, 18293), (705, 18395), (713, 18416), (718, 18428), (725, 18458), (749, 18557), (762, 18620), (834, 18839), (843, 18872), (895, 19154), (911, 19241), (918, 19280), (921, 19310),

Gene: Goose_25 Start: 15688, Stop: 18417, Start Num: 95
Candidate Starts for Goose_25:
(46, 15457), (Start: 95 @15688 has 129 MA's), (Start: 163 @15865 has 10 MA's), (173, 15886), (179, 15910), (182, 15916), (188, 15940), (189, 15943), (192, 15952), (210, 15991), (215, 16000), (217, 16006), (228, 16030), (240, 16075), (251, 16117), (263, 16150), (266, 16159), (280, 16213), (294, 16267), (297, 16276), (301, 16300), (308, 16321), (327, 16426), (335, 16468), (409, 16783), (411, 16795), (416, 16822), (510, 16990), (552, 17110), (569, 17155), (570, 17158), (571, 17161), (581, 17182), (582, 17185), (602, 17230), (639, 17338), (649, 17359), (672, 17419), (681, 17452), (701, 17515), (725, 17593), (731, 17617), (749, 17692), (761, 17758), (767, 17782), (774, 17800), (783, 17836), (794, 17866), (812, 17908), (815, 17920), (822, 17932), (836, 17968), (838, 17980), (883, 18193), (885, 18205), (891, 18229), (895, 18253), (916, 18349), (921, 18397),

Gene: Goose1D_25 Start: 14750, Stop: 17788, Start Num: 47
Candidate Starts for Goose1D_25:
(Start: 47 @14750 has 37 MA's), (87, 14924), (90, 14936), (Start: 99 @14969 has 4 MA's), (171, 15179), (214, 15302), (219, 15323), (256, 15509), (278, 15563), (294, 15626), (298, 15638), (306, 15671), (310, 15689), (324, 15758), (326, 15764), (330, 15779), (333, 15788), (335, 15800), (337, 15809), (354, 15902), (381, 16019), (382, 16022), (386, 16049), (388, 16061), (401, 16115), (407, 16136), (412, 16157), (422, 16202), (427, 16229), (432, 16241), (483, 16382), (504, 16427), (511, 16442), (530, 16517), (534, 16526), (547, 16556), (555, 16571), (557, 16574), (563, 16592), (568, 16613), (569, 16616), (575, 16634), (589, 16655), (590, 16658), (633, 16742), (671, 16808), (677, 16829), (691, 16868), (707, 16907), (722, 16958), (723, 16961), (725, 16970), (730, 16994), (749, 17063), (753, 17084), (767, 17153), (774, 17171), (789, 17219), (793, 17231), (814, 17273), (818, 17285), (833, 17333), (874, 17504), (877, 17534), (883, 17564), (887, 17585), (916, 17720), (917, 17732), (921, 17768),

Gene: Goose1X_25 Start: 14822, Stop: 17860, Start Num: 47
Candidate Starts for Goose1X_25:
(Start: 47 @14822 has 37 MA's), (87, 14996), (90, 15008), (Start: 99 @15041 has 4 MA's), (171, 15251), (214, 15374), (219, 15395), (256, 15581), (278, 15635), (294, 15698), (298, 15710), (306, 15743), (310, 15761), (324, 15830), (326, 15836), (330, 15851), (333, 15860), (335, 15872), (337, 15881), (354, 15974), (381, 16091), (382, 16094), (386, 16121), (388, 16133), (401, 16187), (407, 16208), (412, 16229), (422, 16274), (427, 16301), (432, 16313), (483, 16454), (504, 16499), (511, 16514), (530, 16589), (534, 16598), (547, 16628), (555, 16643), (557, 16646), (563, 16664), (568, 16685), (569, 16688), (575, 16706), (589, 16727), (590, 16730), (633, 16814), (671, 16880), (677, 16901), (691, 16940), (707, 16979), (722, 17030), (723, 17033), (725, 17042), (730, 17066), (749, 17135), (753, 17156), (767, 17225), (774, 17243), (789, 17291), (793, 17303), (814, 17345), (818,

17357), (833, 17405), (874, 17576), (877, 17606), (883, 17636), (887, 17657), (916, 17792), (917, 17804), (921, 17840),

Gene: Graduation_26 Start: 17109, Stop: 19577, Start Num: 135
Candidate Starts for Graduation_26:
(Start: 135 @17109 has 221 MA's), (Start: 144 @17124 has 1 MA's), (182, 17238), (196, 17280), (233, 17310), (240, 17334), (260, 17400), (313, 17598), (319, 17631), (335, 17697), (396, 17952), (407, 17973), (414, 18000), (492, 18159), (519, 18195), (566, 18288), (572, 18309), (579, 18324), (588, 18345), (591, 18348), (611, 18417), (625, 18453), (637, 18486), (652, 18522), (667, 18552), (681, 18588), (705, 18654), (713, 18675), (749, 18816), (786, 18957), (797, 18978), (841, 19113), (875, 19290), (895, 19401), (907, 19467), (911, 19488), (918, 19527), (920, 19542),

Gene: Gratitude_28 Start: 17115, Stop: 19622, Start Num: 130
Candidate Starts for Gratitude_28:
(Start: 130 @17115 has 101 MA's), (173, 17226), (193, 17283), (253, 17469), (278, 17532), (285, 17565), (287, 17571), (330, 17751), (333, 17760), (337, 17781), (340, 17802), (341, 17805), (344, 17823), (355, 17883), (381, 17991), (388, 18033), (401, 18087), (407, 18108), (421, 18171), (422, 18174), (426, 18192), (432, 18213), (504, 18399), (511, 18414), (516, 18441), (534, 18498), (540, 18513), (542, 18519), (547, 18528), (550, 18534), (563, 18564), (568, 18585), (590, 18630), (601, 18636), (611, 18669), (620, 18696), (666, 18768), (671, 18780), (691, 18840), (701, 18867), (722, 18930), (734, 18975), (739, 18987), (746, 19023), (756, 19059), (761, 19092), (803, 19155), (814, 19179), (868, 19323), (886, 19422), (901, 19509), (924, 19608),

Gene: GrecoEtereo_25 Start: 16652, Stop: 19120, Start Num: 135
Candidate Starts for GrecoEtereo_25:
(Start: 135 @16652 has 221 MA's), (Start: 144 @16667 has 1 MA's), (182, 16781), (196, 16823), (233, 16853), (260, 16943), (261, 16946), (313, 17141), (335, 17240), (396, 17495), (407, 17516), (414, 17543), (492, 17702), (519, 17738), (566, 17831), (572, 17852), (597, 17909), (637, 18029), (652, 18065), (667, 18095), (681, 18131), (705, 18197), (713, 18218), (749, 18359), (786, 18500), (797, 18521), (841, 18656), (875, 18833), (895, 18944), (902, 18986), (911, 19031), (918, 19070),

Gene: GreedyLawyer_29 Start: 16735, Stop: 18939, Start Num: 93
Candidate Starts for GreedyLawyer_29:
(41, 16576), (77, 16690), (Start: 93 @16735 has 49 MA's), (Start: 145 @16846 has 7 MA's), (147, 16852), (182, 16960), (196, 17002), (243, 17068), (273, 17161), (282, 17188), (313, 17311), (319, 17344), (339, 17434), (352, 17503), (425, 17746), (531, 17884), (623, 18004), (721, 18157), (749, 18220), (758, 18262), (789, 18361), (797, 18382), (804, 18403), (813, 18424), (830, 18475), (834, 18487), (840, 18502), (857, 18583), (873, 18661),

Gene: Greg_26 Start: 16674, Stop: 19145, Start Num: 135
Candidate Starts for Greg_26:
(Start: 135 @16674 has 221 MA's), (Start: 150 @16713 has 5 MA's), (171, 16776), (182, 16806), (188, 16827), (196, 16848), (202, 16860), (233, 16878), (240, 16902), (281, 17040), (290, 17076), (313, 17166), (319, 17199), (335, 17265), (396, 17520), (407, 17541), (414, 17568), (416, 17583), (448, 17664), (492, 17727), (519, 17763), (566, 17856), (572, 17877), (579, 17892), (588, 17913), (591, 17916), (611, 17985), (625, 18021), (637, 18054), (652, 18090), (667, 18120), (681, 18156), (705, 18222), (713, 18243), (749, 18384), (786, 18525), (797, 18546), (841, 18681), (875, 18858), (895, 18969), (907, 19035), (911, 19056), (918, 19095), (920, 19110),

Gene: Grif_27 Start: 16062, Stop: 19088, Start Num: 48
Candidate Starts for Grif_27:
(40, 16008), (Start: 48 @16062 has 89 MA's), (71, 16176), (88, 16242), (90, 16245), (92, 16254), (104, 16290), (122, 16341), (148, 16413), (171, 16485), (212, 16605), (214, 16608), (225, 16677), (231,

16722), (256, 16815), (262, 16824), (268, 16842), (278, 16869), (294, 16932), (298, 16944), (306, 16977), (310, 16995), (323, 17061), (324, 17064), (326, 17070), (330, 17085), (333, 17094), (335, 17106), (337, 17115), (354, 17208), (381, 17325), (382, 17328), (386, 17355), (388, 17367), (401, 17421), (407, 17442), (422, 17508), (432, 17547), (468, 17640), (483, 17688), (504, 17733), (520, 17781), (530, 17823), (534, 17832), (547, 17862), (549, 17865), (555, 17877), (573, 17934), (575, 17940), (589, 17961), (590, 17964), (666, 18102), (671, 18114), (691, 18174), (713, 18234), (722, 18264), (723, 18267), (725, 18276), (749, 18369), (757, 18414), (767, 18459), (774, 18477), (789, 18525), (793, 18537), (814, 18579), (835, 18642), (852, 18699), (865, 18768), (874, 18804), (887, 18885), (916, 19020),

Gene: GroundGoblin_25 Start: 17195, Stop: 19666, Start Num: 135
Candidate Starts for GroundGoblin_25:
(Start: 135 @17195 has 221 MA's), (Start: 150 @17234 has 5 MA's), (171, 17297), (182, 17327), (188, 17348), (196, 17369), (202, 17381), (233, 17399), (240, 17423), (260, 17489), (313, 17687), (319, 17720), (335, 17786), (396, 18041), (407, 18062), (414, 18089), (448, 18185), (478, 18215), (492, 18248), (519, 18284), (566, 18377), (572, 18398), (597, 18455), (637, 18575), (652, 18611), (667, 18641), (681, 18677), (705, 18743), (713, 18764), (725, 18806), (749, 18905), (786, 19046), (797, 19067), (841, 19202), (895, 19490), (911, 19577), (918, 19616),

Gene: Groundhog_21 Start: 14515, Stop: 17592, Start Num: 12
Candidate Starts for Groundhog_21:
(Start: 12 @14515 has 13 MA's), (16, 14599), (32, 14767), (36, 14791), (53, 14839), (82, 14959), (102, 15031), (158, 15181), (159, 15184), (162, 15190), (248, 15376), (267, 15436), (269, 15442), (288, 15508), (296, 15535), (299, 15550), (312, 15601), (313, 15604), (319, 15637), (326, 15670), (364, 15838), (418, 16021), (425, 16045), (445, 16093), (457, 16114), (458, 16117), (527, 16261), (548, 16318), (561, 16348), (574, 16387), (606, 16459), (614, 16489), (662, 16588), (674, 16618), (690, 16663), (701, 16696), (749, 16861), (753, 16882), (756, 16894), (777, 16975), (789, 17002), (813, 17065), (822, 17089), (832, 17119), (842, 17152), (850, 17185), (863, 17245), (868, 17272), (886, 17371), (887, 17377), (904, 17467), (912, 17488), (918, 17527), (925, 17575),

Gene: Groupthink_28 Start: 16057, Stop: 19083, Start Num: 48
Candidate Starts for Groupthink_28:
(40, 16003), (Start: 48 @16057 has 89 MA's), (71, 16171), (88, 16237), (90, 16240), (92, 16249), (104, 16285), (122, 16336), (148, 16408), (171, 16480), (212, 16600), (214, 16603), (225, 16672), (231, 16717), (256, 16810), (262, 16819), (278, 16864), (287, 16903), (294, 16927), (298, 16939), (306, 16972), (310, 16990), (314, 17011), (324, 17059), (326, 17065), (330, 17080), (333, 17089), (335, 17101), (337, 17110), (354, 17203), (377, 17290), (381, 17320), (382, 17323), (386, 17350), (388, 17362), (401, 17416), (407, 17437), (415, 17467), (422, 17503), (462, 17629), (483, 17683), (504, 17728), (520, 17776), (530, 17818), (534, 17827), (547, 17857), (573, 17929), (575, 17935), (589, 17956), (590, 17959), (604, 17971), (655, 18088), (666, 18097), (691, 18169), (692, 18172), (707, 18208), (722, 18259), (723, 18262), (725, 18271), (767, 18454), (789, 18520), (793, 18532), (814, 18574), (835, 18637), (852, 18694), (865, 18763), (874, 18799), (887, 18880), (916, 19015), (917, 19027),

Gene: Grub_27 Start: 15971, Stop: 18997, Start Num: 48
Candidate Starts for Grub_27:
(40, 15917), (Start: 48 @15971 has 89 MA's), (71, 16085), (88, 16151), (90, 16154), (92, 16163), (104, 16199), (122, 16250), (148, 16322), (171, 16394), (212, 16514), (214, 16517), (225, 16586), (231, 16631), (256, 16724), (262, 16733), (268, 16751), (278, 16778), (294, 16841), (298, 16853), (306, 16886), (310, 16904), (323, 16970), (324, 16973), (326, 16979), (330, 16994), (333, 17003), (335, 17015), (337, 17024), (354, 17117), (381, 17234), (382, 17237), (386, 17264), (388, 17276), (401, 17330), (407, 17351), (422, 17417), (427, 17444), (468, 17549), (483, 17597), (504, 17642), (520, 17690), (530, 17732), (534, 17741), (547, 17771), (549, 17774), (555, 17786), (573, 17843), (575,

17849), (589, 17870), (590, 17873), (666, 18011), (671, 18023), (691, 18083), (713, 18143), (722, 18173), (723, 18176), (725, 18185), (749, 18278), (767, 18368), (789, 18434), (793, 18446), (814, 18488), (835, 18551), (852, 18608), (865, 18677), (874, 18713), (887, 18794), (916, 18929),

Gene: Grum1_27 Start: 15972, Stop: 18998, Start Num: 48
Candidate Starts for Grum1_27:
(40, 15918), (Start: 48 @15972 has 89 MA's), (71, 16086), (88, 16152), (90, 16155), (92, 16164), (104, 16200), (122, 16251), (148, 16323), (171, 16395), (212, 16515), (214, 16518), (225, 16587), (231, 16632), (256, 16725), (262, 16734), (268, 16752), (278, 16779), (294, 16842), (298, 16854), (306, 16887), (310, 16905), (323, 16971), (324, 16974), (326, 16980), (330, 16995), (333, 17004), (335, 17016), (337, 17025), (354, 17118), (381, 17235), (382, 17238), (386, 17265), (388, 17277), (401, 17331), (407, 17352), (422, 17418), (432, 17457), (468, 17550), (483, 17598), (504, 17643), (520, 17691), (530, 17733), (534, 17742), (547, 17772), (549, 17775), (555, 17787), (573, 17844), (575, 17850), (589, 17871), (590, 17874), (666, 18012), (671, 18024), (691, 18084), (711, 18141), (749, 18279), (753, 18300), (757, 18324), (767, 18369), (774, 18387), (789, 18435), (793, 18447), (814, 18489), (835, 18552), (852, 18609), (865, 18678), (874, 18714), (887, 18795), (916, 18930),

Gene: Gruunaga_29 Start: 16707, Stop: 18923, Start Num: 93
Candidate Starts for Gruunaga_29:
(77, 16662), (Start: 93 @16707 has 49 MA's), (Start: 145 @16818 has 7 MA's), (196, 16974), (269, 17121), (273, 17133), (312, 17280), (313, 17283), (319, 17316), (339, 17406), (352, 17475), (375, 17550), (425, 17718), (623, 17976), (656, 18021), (721, 18129), (749, 18192), (758, 18234), (789, 18333), (797, 18354), (813, 18396), (830, 18447), (840, 18474), (857, 18555), (873, 18645),

Gene: GtownJaz_27 Start: 15980, Stop: 19006, Start Num: 48
Candidate Starts for GtownJaz_27:
(40, 15926), (Start: 48 @15980 has 89 MA's), (71, 16094), (88, 16160), (90, 16163), (92, 16172), (104, 16208), (122, 16259), (148, 16331), (171, 16403), (212, 16523), (214, 16526), (225, 16595), (231, 16640), (256, 16733), (262, 16742), (268, 16760), (278, 16787), (294, 16850), (298, 16862), (306, 16895), (310, 16913), (323, 16979), (324, 16982), (326, 16988), (330, 17003), (333, 17012), (335, 17024), (337, 17033), (350, 17111), (354, 17126), (381, 17243), (382, 17246), (386, 17273), (388, 17285), (401, 17339), (407, 17360), (422, 17426), (432, 17465), (468, 17558), (483, 17606), (504, 17651), (520, 17699), (530, 17741), (534, 17750), (547, 17780), (549, 17783), (555, 17795), (573, 17852), (575, 17858), (589, 17879), (590, 17882), (666, 18020), (671, 18032), (691, 18092), (711, 18149), (749, 18287), (753, 18308), (757, 18332), (767, 18377), (774, 18395), (789, 18443), (793, 18455), (814, 18497), (835, 18560), (852, 18617), (865, 18686), (874, 18722), (887, 18803), (916, 18938),

Gene: Gwendoluna_26 Start: 17874, Stop: 20708, Start Num: 135
Candidate Starts for Gwendoluna_26:
(Start: 135 @17874 has 221 MA's), (159, 17946), (257, 18189), (262, 18204), (276, 18249), (303, 18369), (307, 18387), (315, 18435), (323, 18480), (335, 18525), (336, 18528), (344, 18576), (385, 18759), (392, 18786), (412, 18870), (425, 18927), (431, 18945), (443, 18990), (455, 19026), (465, 19086), (479, 19134), (503, 19197), (505, 19200), (531, 19293), (538, 19317), (556, 19353), (566, 19380), (569, 19392), (575, 19410), (583, 19425), (604, 19488), (645, 19617), (664, 19662), (674, 19695), (678, 19707), (722, 19836), (745, 19932), (766, 20019), (767, 20022), (774, 20040), (841, 20244), (875, 20421), (895, 20532), (911, 20619), (918, 20658), (920, 20673),

Gene: Gwennie_27 Start: 15979, Stop: 19005, Start Num: 48
Candidate Starts for Gwennie_27:
(40, 15925), (Start: 48 @15979 has 89 MA's), (71, 16093), (88, 16159), (90, 16162), (92, 16171), (104, 16207), (122, 16258), (148, 16330), (171, 16402), (212, 16522), (214, 16525), (225, 16594), (231, 16639), (256, 16732), (262, 16741), (268, 16759), (278, 16786), (294, 16849), (298, 16861), (306,

16894), (310, 16912), (323, 16978), (324, 16981), (326, 16987), (330, 17002), (333, 17011), (335, 17023), (337, 17032), (350, 17110), (354, 17125), (381, 17242), (382, 17245), (386, 17272), (388, 17284), (401, 17338), (407, 17359), (422, 17425), (432, 17464), (468, 17557), (483, 17605), (504, 17650), (520, 17698), (530, 17740), (534, 17749), (547, 17779), (549, 17782), (555, 17794), (573, 17851), (575, 17857), (589, 17878), (590, 17881), (666, 18019), (671, 18031), (691, 18091), (711, 18148), (749, 18286), (753, 18307), (757, 18331), (767, 18376), (774, 18394), (789, 18442), (793, 18454), (814, 18496), (835, 18559), (852, 18616), (865, 18685), (874, 18721), (887, 18802), (916, 18937),

Gene: Gyzlar_26 Start: 17600, Stop: 20071, Start Num: 135
Candidate Starts for Gyzlar_26:
(Start: 135 @17600 has 221 MA's), (Start: 150 @17639 has 5 MA's), (171, 17702), (182, 17732), (188, 17753), (196, 17774), (202, 17786), (233, 17804), (240, 17828), (260, 17894), (269, 17921), (313, 18092), (319, 18125), (335, 18191), (396, 18446), (407, 18467), (414, 18494), (423, 18533), (448, 18590), (478, 18620), (566, 18782), (572, 18803), (597, 18860), (637, 18980), (652, 19016), (667, 19046), (681, 19082), (705, 19148), (713, 19169), (725, 19211), (749, 19310), (786, 19451), (797, 19472), (861, 19703), (875, 19784), (895, 19895), (911, 19982), (918, 20021), (921, 20051),

Gene: HINdeR_25 Start: 17367, Stop: 20738, Start Num: 22
Candidate Starts for HINdeR_25:
(Start: 22 @17367 has 4 MA's), (51, 17529), (81, 17679), (100, 17754), (Start: 150 @17904 has 5 MA's), (167, 17955), (180, 18006), (221, 18141), (266, 18342), (278, 18375), (293, 18435), (294, 18438), (298, 18450), (304, 18477), (314, 18522), (319, 18546), (324, 18570), (337, 18621), (341, 18645), (381, 18831), (385, 18858), (388, 18873), (398, 18912), (401, 18927), (407, 18948), (416, 18990), (420, 19005), (421, 19011), (422, 19014), (447, 19098), (452, 19113), (462, 19140), (467, 19143), (475, 19176), (490, 19212), (504, 19239), (506, 19242), (509, 19251), (563, 19404), (566, 19416), (567, 19419), (572, 19437), (575, 19446), (578, 19452), (583, 19461), (590, 19479), (594, 19488), (599, 19512), (605, 19530), (628, 19593), (639, 19626), (655, 19659), (658, 19668), (660, 19671), (664, 19680), (666, 19683), (671, 19701), (680, 19734), (693, 19770), (701, 19800), (717, 19845), (727, 19890), (728, 19899), (730, 19902), (734, 19911), (737, 19920), (767, 20067), (774, 20085), (791, 20142), (796, 20160), (801, 20172), (804, 20184), (808, 20193), (814, 20214), (822, 20235), (824, 20247), (835, 20280), (837, 20292), (839, 20298), (846, 20322), (849, 20340), (850, 20343), (866, 20421), (877, 20484), (881, 20505), (885, 20526), (891, 20550), (901, 20616), (905, 20631), (906, 20637),

Gene: HamSlice_24 Start: 15883, Stop: 18483, Start Num: 95
Candidate Starts for HamSlice_24:
(Start: 95 @15883 has 129 MA's), (Start: 153 @16024 has 23 MA's), (Start: 163 @16042 has 10 MA's), (238, 16249), (248, 16288), (255, 16318), (282, 16402), (290, 16435), (298, 16462), (313, 16525), (326, 16588), (337, 16633), (344, 16675), (362, 16759), (460, 17026), (490, 17077), (519, 17122), (554, 17200), (571, 17239), (639, 17407), (649, 17428), (659, 17452), (680, 17518), (697, 17572), (713, 17620), (731, 17686), (767, 17851), (774, 17869), (822, 17995), (880, 18247), (881, 18250), (883, 18259), (895, 18319), (916, 18415), (921, 18463),

Gene: Hami1_26 Start: 16746, Stop: 19217, Start Num: 135
Candidate Starts for Hami1_26:
(Start: 135 @16746 has 221 MA's), (Start: 150 @16785 has 5 MA's), (171, 16848), (182, 16878), (188, 16899), (196, 16920), (202, 16932), (233, 16950), (260, 17040), (313, 17238), (319, 17271), (335, 17337), (396, 17592), (407, 17613), (414, 17640), (492, 17799), (519, 17835), (566, 17928), (572, 17949), (597, 18006), (637, 18126), (652, 18162), (667, 18192), (681, 18228), (705, 18294), (713, 18315), (749, 18456), (786, 18597), (797, 18618), (841, 18753), (875, 18930), (895, 19041), (911, 19128), (918, 19167), (920, 19182),

Gene: Hammer_29 Start: 16722, Stop: 18938, Start Num: 93
Candidate Starts for Hammer_29:
(77, 16677), (Start: 93 @16722 has 49 MA's), (Start: 145 @16833 has 7 MA's), (196, 16989), (269, 17136), (273, 17148), (312, 17295), (313, 17298), (319, 17331), (339, 17421), (352, 17490), (375, 17565), (425, 17733), (623, 17991), (656, 18036), (721, 18144), (749, 18207), (758, 18249), (789, 18348), (797, 18369), (813, 18411), (830, 18462), (840, 18489), (857, 18570), (873, 18660),

Gene: HanShotFirst_24 Start: 16280, Stop: 18751, Start Num: 135
Candidate Starts for HanShotFirst_24:
(Start: 135 @16280 has 221 MA's), (Start: 150 @16319 has 5 MA's), (171, 16382), (182, 16412), (188, 16433), (196, 16454), (202, 16466), (233, 16484), (240, 16508), (260, 16574), (281, 16646), (290, 16682), (313, 16772), (319, 16805), (335, 16871), (396, 17126), (407, 17147), (414, 17174), (416, 17189), (492, 17333), (519, 17369), (566, 17462), (572, 17483), (597, 17540), (637, 17660), (652, 17696), (667, 17726), (681, 17762), (705, 17828), (713, 17849), (749, 17990), (786, 18131), (797, 18152), (841, 18287), (875, 18464), (895, 18575), (911, 18662), (918, 18701), (920, 18716),

Gene: Hanray_27 Start: 17594, Stop: 20503, Start Num: 66
Candidate Starts for Hanray_27:
(Start: 66 @17594 has 43 MA's), (69, 17606), (85, 17666), (Start: 138 @17825 has 1 MA's), (157, 17888), (178, 17951), (191, 17993), (214, 18050), (222, 18089), (258, 18260), (262, 18266), (267, 18281), (293, 18371), (294, 18374), (298, 18386), (309, 18428), (319, 18482), (337, 18557), (340, 18578), (341, 18581), (344, 18599), (356, 18662), (375, 18728), (381, 18767), (385, 18794), (388, 18809), (396, 18839), (401, 18863), (407, 18884), (422, 18950), (432, 18989), (456, 19055), (468, 19082), (474, 19109), (504, 19175), (518, 19220), (542, 19295), (563, 19340), (568, 19361), (575, 19382), (577, 19385), (589, 19403), (590, 19406), (609, 19433), (615, 19460), (644, 19514), (722, 19706), (726, 19721), (734, 19751), (747, 19802), (766, 19889), (768, 19898), (785, 19949), (814, 20012), (822, 20033), (833, 20069), (846, 20105), (847, 20111), (865, 20189), (872, 20216), (881, 20276), (895, 20345), (899, 20375), (905, 20402), (917, 20441), (922, 20483),

Gene: Happiness_25 Start: 15891, Stop: 18491, Start Num: 95
Candidate Starts for Happiness_25:
(Start: 95 @15891 has 129 MA's), (Start: 153 @16032 has 23 MA's), (Start: 163 @16050 has 10 MA's), (238, 16257), (248, 16296), (255, 16326), (290, 16443), (298, 16470), (313, 16533), (326, 16596), (337, 16641), (344, 16683), (362, 16767), (460, 17034), (490, 17085), (519, 17130), (554, 17208), (569, 17241), (571, 17247), (619, 17361), (639, 17415), (659, 17460), (679, 17520), (685, 17538), (697, 17580), (713, 17628), (731, 17694), (767, 17859), (774, 17877), (822, 18003), (880, 18255), (881, 18258), (883, 18267), (894, 18324), (895, 18327), (902, 18372), (916, 18423), (921, 18471),

Gene: HarryHoudini_28 Start: 17132, Stop: 19639, Start Num: 130
Candidate Starts for HarryHoudini_28:
(Start: 130 @17132 has 101 MA's), (173, 17243), (193, 17300), (202, 17321), (211, 17345), (229, 17411), (253, 17486), (278, 17549), (285, 17582), (287, 17588), (330, 17768), (333, 17777), (337, 17798), (340, 17819), (341, 17822), (344, 17840), (354, 17891), (355, 17900), (381, 18008), (388, 18050), (391, 18059), (401, 18104), (407, 18125), (422, 18191), (426, 18209), (432, 18230), (435, 18239), (504, 18416), (511, 18431), (516, 18458), (534, 18515), (540, 18530), (542, 18536), (547, 18545), (550, 18551), (555, 18560), (563, 18581), (568, 18602), (590, 18647), (601, 18653), (611, 18686), (643, 18752), (666, 18785), (671, 18797), (691, 18857), (701, 18884), (722, 18947), (734, 18992), (746, 19040), (756, 19076), (803, 19172), (814, 19196), (868, 19340), (886, 19439), (924, 19625),

Gene: HarryOW_25 Start: 16725, Stop: 19205, Start Num: 135
Candidate Starts for HarryOW_25:

(Start: 135 @16725 has 221 MA's), (Start: 150 @16764 has 5 MA's), (171, 16827), (Start: 174 @16833 has 1 MA's), (182, 16857), (196, 16899), (284, 17106), (290, 17124), (313, 17214), (326, 17277), (333, 17301), (335, 17313), (344, 17364), (483, 17748), (538, 17850), (558, 17889), (569, 17916), (579, 17940), (667, 18168), (705, 18270), (713, 18291), (718, 18303), (725, 18333), (748, 18429), (749, 18432), (762, 18495), (834, 18714), (843, 18747), (895, 19029), (911, 19116), (918, 19155), (920, 19170),

Gene: HashRod_28 Start: 16063, Stop: 19089, Start Num: 48
Candidate Starts for HashRod_28:
(40, 16009), (Start: 48 @16063 has 89 MA's), (71, 16177), (88, 16243), (90, 16246), (92, 16255), (104, 16291), (122, 16342), (148, 16414), (171, 16486), (212, 16606), (214, 16609), (225, 16678), (231, 16723), (256, 16816), (262, 16825), (268, 16843), (278, 16870), (294, 16933), (298, 16945), (306, 16978), (310, 16996), (323, 17062), (324, 17065), (326, 17071), (330, 17086), (333, 17095), (335, 17107), (337, 17116), (350, 17194), (354, 17209), (381, 17326), (382, 17329), (386, 17356), (388, 17368), (401, 17422), (407, 17443), (422, 17509), (432, 17548), (468, 17641), (483, 17689), (504, 17734), (520, 17782), (530, 17824), (534, 17833), (547, 17863), (549, 17866), (555, 17878), (573, 17935), (575, 17941), (589, 17962), (590, 17965), (666, 18103), (671, 18115), (691, 18175), (711, 18232), (749, 18370), (753, 18391), (757, 18415), (767, 18460), (774, 18478), (789, 18526), (793, 18538), (814, 18580), (835, 18643), (852, 18700), (865, 18769), (874, 18805), (887, 18886), (916, 19021),

Gene: HaveUMetTed_28 Start: 16050, Stop: 19076, Start Num: 48
Candidate Starts for HaveUMetTed_28:
(40, 15996), (Start: 48 @16050 has 89 MA's), (71, 16164), (88, 16230), (90, 16233), (92, 16242), (104, 16278), (122, 16329), (148, 16401), (171, 16473), (212, 16593), (214, 16596), (225, 16665), (231, 16710), (256, 16803), (262, 16812), (278, 16857), (287, 16896), (294, 16920), (298, 16932), (306, 16965), (310, 16983), (314, 17004), (324, 17052), (326, 17058), (330, 17073), (333, 17082), (335, 17094), (337, 17103), (354, 17196), (377, 17283), (381, 17313), (382, 17316), (386, 17343), (388, 17355), (401, 17409), (407, 17430), (415, 17460), (422, 17496), (462, 17622), (483, 17676), (504, 17721), (520, 17769), (530, 17811), (534, 17820), (547, 17850), (573, 17922), (575, 17928), (589, 17949), (590, 17952), (604, 17964), (655, 18081), (666, 18090), (691, 18162), (692, 18165), (707, 18201), (722, 18252), (723, 18255), (725, 18264), (767, 18447), (789, 18513), (793, 18525), (814, 18567), (835, 18630), (852, 18687), (865, 18756), (874, 18792), (887, 18873), (916, 19008), (917, 19020),

Gene: Heathen_25 Start: 15296, Stop: 18334, Start Num: 47
Candidate Starts for Heathen_25:
(Start: 47 @15296 has 37 MA's), (87, 15470), (90, 15482), (Start: 99 @15515 has 4 MA's), (171, 15725), (214, 15848), (219, 15869), (256, 16055), (266, 16076), (278, 16109), (294, 16172), (298, 16184), (306, 16217), (310, 16235), (324, 16304), (326, 16310), (330, 16325), (333, 16334), (335, 16346), (337, 16355), (354, 16448), (381, 16565), (382, 16568), (386, 16595), (388, 16607), (401, 16661), (407, 16682), (412, 16703), (422, 16748), (432, 16787), (468, 16880), (483, 16928), (504, 16973), (511, 16988), (530, 17063), (534, 17072), (539, 17084), (547, 17102), (555, 17117), (573, 17174), (589, 17201), (590, 17204), (607, 17225), (671, 17354), (677, 17375), (691, 17414), (707, 17453), (713, 17474), (722, 17504), (723, 17507), (725, 17516), (730, 17540), (749, 17609), (753, 17630), (767, 17699), (774, 17717), (789, 17765), (793, 17777), (814, 17819), (818, 17831), (833, 17879), (874, 18050), (877, 18080), (883, 18110), (887, 18131), (916, 18266), (917, 18278), (921, 18314),

Gene: Heffalump_28 Start: 18467, Stop: 21010, Start Num: 130
Candidate Starts for Heffalump_28:
(Start: 130 @18467 has 101 MA's), (197, 18644), (198, 18647), (199, 18650), (247, 18818), (249, 18824), (253, 18845), (256, 18854), (266, 18875), (278, 18908), (285, 18941), (310, 19034), (320,

19082), (323, 19100), (333, 19133), (335, 19145), (336, 19148), (337, 19154), (340, 19175), (341, 19178), (381, 19364), (388, 19406), (391, 19415), (394, 19424), (404, 19472), (407, 19481), (422, 19547), (432, 19586), (468, 19679), (471, 19697), (504, 19772), (534, 19871), (540, 19886), (542, 19892), (547, 19901), (555, 19916), (563, 19937), (568, 19958), (577, 19982), (590, 20003), (601, 20009), (611, 20042), (614, 20054), (618, 20063), (671, 20153), (691, 20213), (701, 20240), (722, 20303), (734, 20348), (766, 20486), (821, 20576), (826, 20585), (866, 20696), (873, 20726), (886, 20810),

Gene: HelDan_25 Start: 15548, Stop: 18586, Start Num: 47
Candidate Starts for HelDan_25:
(Start: 47 @15548 has 37 MA's), (87, 15722), (90, 15734), (Start: 99 @15767 has 4 MA's), (171, 15977), (214, 16100), (219, 16121), (256, 16307), (266, 16328), (278, 16361), (294, 16424), (298, 16436), (306, 16469), (310, 16487), (324, 16556), (326, 16562), (330, 16577), (333, 16586), (335, 16598), (337, 16607), (354, 16700), (381, 16817), (382, 16820), (386, 16847), (388, 16859), (401, 16913), (407, 16934), (412, 16955), (422, 17000), (432, 17039), (468, 17132), (483, 17180), (504, 17225), (511, 17240), (530, 17315), (534, 17324), (539, 17336), (547, 17354), (555, 17369), (573, 17426), (589, 17453), (590, 17456), (607, 17477), (671, 17606), (677, 17627), (691, 17666), (707, 17705), (713, 17726), (722, 17756), (723, 17759), (725, 17768), (730, 17792), (749, 17861), (753, 17882), (767, 17951), (774, 17969), (789, 18017), (793, 18029), (814, 18071), (818, 18083), (833, 18131), (874, 18302), (877, 18332), (883, 18362), (887, 18383), (916, 18518), (917, 18530), (921, 18566),

Gene: Heliosoles_27 Start: 16057, Stop: 19083, Start Num: 48
Candidate Starts for Heliosoles_27:
(40, 16003), (Start: 48 @16057 has 89 MA's), (71, 16171), (88, 16237), (90, 16240), (92, 16249), (104, 16285), (122, 16336), (148, 16408), (171, 16480), (212, 16600), (214, 16603), (225, 16672), (231, 16717), (256, 16810), (262, 16819), (278, 16864), (287, 16903), (294, 16927), (298, 16939), (306, 16972), (310, 16990), (314, 17011), (324, 17059), (326, 17065), (330, 17080), (333, 17089), (335, 17101), (337, 17110), (354, 17203), (377, 17290), (381, 17320), (382, 17323), (386, 17350), (388, 17362), (401, 17416), (407, 17437), (415, 17467), (422, 17503), (462, 17629), (483, 17683), (504, 17728), (520, 17776), (530, 17818), (534, 17827), (547, 17857), (573, 17929), (575, 17935), (589, 17956), (590, 17959), (604, 17971), (655, 18088), (666, 18097), (691, 18169), (692, 18172), (707, 18208), (722, 18259), (723, 18262), (725, 18271), (767, 18454), (789, 18520), (793, 18532), (814, 18574), (835, 18637), (852, 18694), (865, 18763), (874, 18799), (887, 18880), (916, 19015), (917, 19027),

Gene: Helmet_29 Start: 16733, Stop: 18937, Start Num: 93
Candidate Starts for Helmet_29:
(41, 16574), (77, 16688), (Start: 93 @16733 has 49 MA's), (Start: 145 @16844 has 7 MA's), (196, 17000), (269, 17147), (273, 17159), (313, 17309), (319, 17342), (339, 17432), (352, 17501), (425, 17744), (531, 17882), (623, 18002), (721, 18155), (749, 18218), (758, 18260), (789, 18359), (797, 18380), (804, 18401), (813, 18422), (830, 18473), (834, 18485), (840, 18500), (857, 18581), (873, 18659),

Gene: Herbertwm_23 Start: 15323, Stop: 17746, Start Num: 123
Candidate Starts for Herbertwm_23:
(Start: 123 @15323 has 3 MA's), (136, 15341), (141, 15353), (149, 15374), (Start: 150 @15380 has 5 MA's), (Start: 174 @15452 has 1 MA's), (196, 15518), (202, 15530), (246, 15593), (261, 15641), (266, 15656), (278, 15689), (282, 15704), (288, 15731), (296, 15758), (305, 15794), (312, 15824), (313, 15827), (314, 15836), (333, 15914), (337, 15935), (338, 15947), (344, 15977), (369, 16073), (379, 16109), (387, 16160), (415, 16238), (449, 16343), (473, 16388), (533, 16526), (570, 16616), (629, 16766), (670, 16859), (684, 16901), (721, 16976), (749, 17039), (779, 17156), (789, 17180), (797, 17201), (804, 17222), (822, 17267), (830, 17294), (842, 17330), (882, 17528), (886, 17549), (917,

17690),

Gene: Hercules11_27 Start: 15986, Stop: 19012, Start Num: 48
Candidate Starts for Hercules11_27:
(40, 15932), (Start: 48 @15986 has 89 MA's), (71, 16100), (88, 16166), (90, 16169), (92, 16178), (104, 16214), (122, 16265), (148, 16337), (171, 16409), (212, 16529), (214, 16532), (225, 16601), (231, 16646), (256, 16739), (262, 16748), (268, 16766), (278, 16793), (294, 16856), (298, 16868), (306, 16901), (310, 16919), (323, 16985), (324, 16988), (326, 16994), (330, 17009), (333, 17018), (335, 17030), (337, 17039), (350, 17117), (354, 17132), (381, 17249), (382, 17252), (386, 17279), (388, 17291), (401, 17345), (407, 17366), (422, 17432), (432, 17471), (468, 17564), (483, 17612), (504, 17657), (520, 17705), (530, 17747), (534, 17756), (547, 17786), (549, 17789), (555, 17801), (573, 17858), (575, 17864), (589, 17885), (590, 17888), (666, 18026), (671, 18038), (691, 18098), (711, 18155), (749, 18293), (753, 18314), (757, 18338), (767, 18383), (774, 18401), (789, 18449), (793, 18461), (814, 18503), (835, 18566), (852, 18623), (865, 18692), (874, 18728), (887, 18809), (916, 18944),

Gene: Hermia_26 Start: 17387, Stop: 19858, Start Num: 135
Candidate Starts for Hermia_26:
(Start: 135 @17387 has 221 MA's), (Start: 150 @17426 has 5 MA's), (171, 17489), (182, 17519), (188, 17540), (196, 17561), (202, 17573), (233, 17591), (240, 17615), (260, 17681), (313, 17879), (319, 17912), (335, 17978), (396, 18233), (407, 18254), (414, 18281), (448, 18377), (478, 18407), (492, 18440), (519, 18476), (566, 18569), (572, 18590), (597, 18647), (637, 18767), (652, 18803), (667, 18833), (681, 18869), (705, 18935), (713, 18956), (725, 18998), (749, 19097), (786, 19238), (797, 19259), (841, 19394), (895, 19682), (911, 19769), (918, 19808),

Gene: HermioneGrange_24 Start: 16299, Stop: 18779, Start Num: 135
Candidate Starts for HermioneGrange_24:
(Start: 135 @16299 has 221 MA's), (Start: 150 @16338 has 5 MA's), (171, 16401), (182, 16431), (196, 16473), (284, 16680), (290, 16698), (313, 16788), (326, 16851), (333, 16875), (335, 16887), (344, 16938), (483, 17322), (538, 17424), (558, 17463), (569, 17490), (579, 17514), (625, 17643), (667, 17742), (705, 17844), (713, 17865), (718, 17877), (725, 17907), (749, 18006), (762, 18069), (789, 18159), (834, 18288), (843, 18321), (875, 18492), (895, 18603), (907, 18669), (911, 18690), (918, 18729), (921, 18759),

Gene: Hexamo_29 Start: 16689, Stop: 18905, Start Num: 93
Candidate Starts for Hexamo_29:
(77, 16644), (Start: 93 @16689 has 49 MA's), (Start: 145 @16800 has 7 MA's), (196, 16956), (269, 17103), (273, 17115), (312, 17262), (313, 17265), (319, 17298), (339, 17388), (352, 17457), (375, 17532), (425, 17700), (623, 17958), (656, 18003), (721, 18111), (749, 18174), (758, 18216), (789, 18315), (797, 18336), (813, 18378), (830, 18429), (840, 18456), (857, 18537), (873, 18627),

Gene: HippoHollow_27 Start: 18385, Stop: 20925, Start Num: 130
Candidate Starts for HippoHollow_27:
(Start: 130 @18385 has 101 MA's), (198, 18565), (199, 18568), (246, 18727), (249, 18736), (253, 18757), (256, 18766), (266, 18787), (278, 18820), (285, 18853), (320, 18994), (323, 19012), (333, 19045), (335, 19057), (336, 19060), (337, 19066), (340, 19087), (341, 19090), (358, 19177), (381, 19276), (388, 19318), (391, 19327), (394, 19336), (407, 19393), (422, 19459), (432, 19498), (540, 19798), (547, 19813), (550, 19819), (555, 19828), (563, 19849), (569, 19873), (577, 19894), (590, 19915), (601, 19921), (611, 19954), (614, 19966), (618, 19975), (644, 20023), (688, 20116), (691, 20125), (701, 20152), (717, 20194), (722, 20215), (773, 20410), (821, 20488), (826, 20497), (855, 20560), (866, 20608), (873, 20638), (879, 20695), (885, 20722), (886, 20725), (902, 20815),

Gene: Holex_27 Start: 17594, Stop: 20503, Start Num: 66

Candidate Starts for Holex_27:
(Start: 66 @17594 has 43 MA's), (69, 17606), (85, 17666), (Start: 138 @17825 has 1 MA's), (157, 17888), (178, 17951), (191, 17993), (214, 18050), (222, 18089), (258, 18260), (262, 18266), (267, 18281), (293, 18371), (294, 18374), (298, 18386), (309, 18428), (319, 18482), (337, 18557), (340, 18578), (341, 18581), (344, 18599), (356, 18662), (375, 18728), (381, 18767), (385, 18794), (388, 18809), (396, 18839), (401, 18863), (404, 18875), (407, 18884), (422, 18950), (432, 18989), (456, 19055), (468, 19082), (474, 19109), (504, 19175), (518, 19220), (542, 19295), (563, 19340), (568, 19361), (575, 19382), (577, 19385), (589, 19403), (590, 19406), (609, 19433), (615, 19460), (644, 19514), (722, 19706), (726, 19721), (734, 19751), (747, 19802), (766, 19889), (768, 19898), (785, 19949), (814, 20012), (822, 20033), (833, 20069), (846, 20105), (847, 20111), (865, 20189), (872, 20216), (881, 20276), (895, 20345), (899, 20375), (905, 20402), (917, 20441), (922, 20483),

Gene: Holli_25 Start: 15675, Stop: 18275, Start Num: 95
Candidate Starts for Holli_25:
(Start: 95 @15675 has 129 MA's), (Start: 153 @15816 has 23 MA's), (Start: 163 @15834 has 10 MA's), (238, 16041), (248, 16080), (255, 16110), (290, 16227), (298, 16254), (313, 16317), (326, 16380), (337, 16425), (344, 16467), (362, 16551), (460, 16818), (490, 16869), (519, 16914), (554, 16992), (571, 17031), (639, 17199), (649, 17220), (659, 17244), (680, 17310), (697, 17364), (713, 17412), (731, 17478), (767, 17643), (774, 17661), (822, 17787), (880, 18039), (881, 18042), (883, 18051), (895, 18111), (916, 18207), (921, 18255),

Gene: Homines_24 Start: 16444, Stop: 19104, Start Num: 135
Candidate Starts for Homines_24:
(Start: 135 @16444 has 221 MA's), (Start: 150 @16483 has 5 MA's), (171, 16546), (Start: 174 @16552 has 1 MA's), (182, 16576), (196, 16618), (313, 16927), (326, 16990), (337, 17035), (342, 17059), (357, 17134), (360, 17146), (455, 17467), (566, 17797), (587, 17848), (597, 17875), (669, 18079), (710, 18193), (713, 18202), (720, 18223), (725, 18244), (749, 18343), (758, 18385), (759, 18388), (802, 18517), (830, 18601), (844, 18646), (895, 18928), (911, 19015), (918, 19054), (921, 19084),

Gene: Hookmount_26 Start: 16044, Stop: 19082, Start Num: 47
Candidate Starts for Hookmount_26:
(Start: 47 @16044 has 37 MA's), (87, 16218), (90, 16230), (Start: 99 @16263 has 4 MA's), (171, 16470), (177, 16491), (212, 16590), (214, 16593), (256, 16803), (266, 16824), (278, 16857), (294, 16920), (298, 16932), (306, 16965), (310, 16983), (314, 17004), (324, 17052), (326, 17058), (330, 17073), (333, 17082), (335, 17094), (337, 17103), (354, 17196), (381, 17313), (382, 17316), (386, 17343), (388, 17355), (401, 17409), (407, 17430), (422, 17496), (432, 17535), (483, 17676), (504, 17721), (530, 17811), (534, 17820), (547, 17850), (568, 17907), (573, 17922), (589, 17949), (590, 17952), (605, 17970), (655, 18081), (691, 18162), (711, 18219), (724, 18261), (749, 18357), (753, 18378), (757, 18402), (767, 18447), (774, 18465), (789, 18513), (793, 18525), (814, 18567), (818, 18579), (833, 18627), (874, 18798), (883, 18858), (885, 18870), (892, 18897), (895, 18918), (916, 19014), (921, 19062),

Gene: Hoot_29 Start: 16714, Stop: 18918, Start Num: 93
Candidate Starts for Hoot_29:
(41, 16555), (77, 16669), (Start: 93 @16714 has 49 MA's), (Start: 145 @16825 has 7 MA's), (147, 16831), (182, 16939), (196, 16981), (243, 17047), (273, 17140), (282, 17167), (313, 17290), (319, 17323), (339, 17413), (352, 17482), (425, 17725), (531, 17863), (623, 17983), (721, 18136), (749, 18199), (758, 18241), (789, 18340), (797, 18361), (804, 18382), (813, 18403), (830, 18454), (834, 18466), (840, 18481), (857, 18562), (873, 18640),

Gene: Hope4ever_24 Start: 16765, Stop: 19242, Start Num: 137
Candidate Starts for Hope4ever_24:

(Start: 137 @16765 has 9 MA's), (Start: 144 @16780 has 1 MA's), (182, 16894), (196, 16936), (284, 17143), (290, 17161), (313, 17251), (326, 17314), (333, 17338), (335, 17350), (344, 17401), (378, 17527), (483, 17785), (538, 17887), (558, 17926), (566, 17941), (569, 17953), (579, 17977), (625, 18106), (667, 18205), (705, 18307), (713, 18328), (725, 18370), (749, 18469), (762, 18532), (834, 18751), (843, 18784), (895, 19066), (907, 19132), (911, 19153), (918, 19192), (920, 19207),

Gene: HortumSL17_27 Start: 17590, Stop: 20499, Start Num: 66
Candidate Starts for HortumSL17_27:
(Start: 66 @17590 has 43 MA's), (69, 17602), (85, 17662), (Start: 138 @17821 has 1 MA's), (157, 17884), (178, 17947), (191, 17989), (214, 18046), (258, 18256), (262, 18262), (267, 18277), (293, 18367), (294, 18370), (298, 18382), (309, 18424), (319, 18478), (337, 18553), (340, 18574), (341, 18577), (344, 18595), (356, 18658), (375, 18724), (381, 18763), (385, 18790), (388, 18805), (396, 18835), (401, 18859), (404, 18871), (407, 18880), (422, 18946), (432, 18985), (456, 19051), (468, 19078), (474, 19105), (504, 19171), (518, 19216), (542, 19291), (563, 19336), (568, 19357), (575, 19378), (577, 19381), (589, 19399), (590, 19402), (609, 19429), (644, 19510), (671, 19552), (722, 19702), (726, 19717), (734, 19747), (747, 19798), (766, 19885), (768, 19894), (785, 19945), (814, 20008), (822, 20029), (833, 20065), (846, 20101), (847, 20107), (865, 20185), (872, 20212), (881, 20272), (895, 20341), (899, 20371), (905, 20398), (917, 20437), (922, 20479),

Gene: Houdini22_25 Start: 16030, Stop: 18489, Start Num: 153
Candidate Starts for Houdini22_25:
(Start: 95 @15889 has 129 MA's), (Start: 153 @16030 has 23 MA's), (Start: 163 @16048 has 10 MA's), (238, 16255), (248, 16294), (255, 16324), (290, 16441), (298, 16468), (313, 16531), (326, 16594), (337, 16639), (344, 16681), (362, 16765), (460, 17032), (490, 17083), (519, 17128), (554, 17206), (569, 17239), (571, 17245), (581, 17266), (639, 17413), (649, 17434), (659, 17458), (680, 17524), (697, 17578), (713, 17626), (731, 17692), (767, 17857), (774, 17875), (822, 18001), (880, 18253), (881, 18256), (883, 18265), (895, 18325), (916, 18421), (921, 18469),

Gene: HuhtaEnerson15_22 Start: 15244, Stop: 18582, Start Num: 1
Candidate Starts for HuhtaEnerson15_22:
(Start: 1 @15244 has 40 MA's), (19, 15682), (Start: 95 @15994 has 129 MA's), (118, 16072), (131, 16102), (152, 16159), (179, 16243), (202, 16306), (204, 16312), (267, 16432), (293, 16522), (294, 16525), (313, 16600), (322, 16645), (326, 16663), (329, 16675), (337, 16708), (340, 16729), (385, 16921), (435, 17059), (458, 17107), (548, 17311), (556, 17323), (565, 17347), (593, 17410), (672, 17602), (680, 17632), (690, 17656), (693, 17668), (716, 17731), (749, 17854), (753, 17875), (758, 17896), (781, 17974), (789, 17995), (804, 18037), (813, 18058), (842, 18145), (849, 18175), (863, 18238), (866, 18256), (880, 18337), (883, 18349), (885, 18361), (887, 18370), (898, 18424), (915, 18508), (916, 18517), (919, 18547),

Gene: Hutc2_26 Start: 17160, Stop: 19706, Start Num: 91
Candidate Starts for Hutc2_26:
(Start: 91 @17160 has 24 MA's), (Start: 96 @17178 has 4 MA's), (Start: 156 @17352 has 18 MA's), (159, 17361), (196, 17436), (248, 17490), (265, 17544), (270, 17559), (271, 17562), (278, 17580), (294, 17643), (298, 17655), (313, 17718), (326, 17781), (330, 17796), (333, 17805), (337, 17826), (341, 17850), (344, 17865), (364, 17952), (366, 17955), (372, 17970), (378, 17991), (380, 18003), (396, 18069), (418, 18141), (425, 18165), (454, 18246), (457, 18255), (462, 18267), (471, 18309), (513, 18366), (532, 18420), (577, 18528), (595, 18567), (647, 18708), (690, 18804), (695, 18825), (708, 18858), (721, 18891), (722, 18894), (748, 18978), (758, 19023), (759, 19026), (792, 19140), (804, 19173), (830, 19245), (842, 19281), (857, 19353), (873, 19431), (881, 19485), (886, 19509), (912, 19620),

Gene: Huxley_25 Start: 15949, Stop: 18549, Start Num: 95
Candidate Starts for Huxley_25:

(Start: 95 @15949 has 129 MA's), (Start: 153 @16090 has 23 MA's), (Start: 163 @16108 has 10 MA's), (238, 16315), (248, 16354), (255, 16384), (290, 16501), (298, 16528), (313, 16591), (326, 16654), (337, 16699), (344, 16741), (362, 16825), (460, 17092), (490, 17143), (519, 17188), (554, 17266), (569, 17299), (571, 17305), (581, 17326), (639, 17473), (649, 17494), (659, 17518), (680, 17584), (697, 17638), (713, 17686), (731, 17752), (767, 17917), (774, 17935), (822, 18061), (880, 18313), (881, 18316), (883, 18325), (895, 18385), (916, 18481), (921, 18529),

Gene: ICleared_25 Start: 16024, Stop: 18483, Start Num: 153
Candidate Starts for ICleared_25:
(Start: 95 @15883 has 129 MA's), (Start: 153 @16024 has 23 MA's), (Start: 163 @16042 has 10 MA's), (238, 16249), (248, 16288), (255, 16318), (290, 16435), (298, 16462), (313, 16525), (326, 16588), (337, 16633), (344, 16675), (362, 16759), (460, 17026), (490, 17077), (519, 17122), (554, 17200), (569, 17233), (571, 17239), (639, 17407), (649, 17428), (659, 17452), (680, 17518), (697, 17572), (713, 17620), (731, 17686), (767, 17851), (774, 17869), (822, 17995), (880, 18247), (881, 18250), (883, 18259), (895, 18319), (916, 18415), (921, 18463),

Gene: ILeeKay_26 Start: 16526, Stop: 19006, Start Num: 135
Candidate Starts for ILeeKay_26:
(Start: 135 @16526 has 221 MA's), (Start: 150 @16565 has 5 MA's), (171, 16628), (182, 16658), (196, 16700), (284, 16907), (290, 16925), (313, 17015), (326, 17078), (333, 17102), (335, 17114), (344, 17165), (483, 17549), (538, 17651), (558, 17690), (569, 17717), (579, 17741), (667, 17969), (705, 18071), (713, 18092), (718, 18104), (725, 18134), (749, 18233), (762, 18296), (834, 18515), (843, 18548), (895, 18830), (911, 18917), (918, 18956), (920, 18971),

Gene: Iceman_26 Start: 16174, Stop: 18774, Start Num: 95
Candidate Starts for Iceman_26:
(Start: 95 @16174 has 129 MA's), (Start: 153 @16315 has 23 MA's), (Start: 163 @16333 has 10 MA's), (238, 16540), (248, 16579), (255, 16609), (290, 16726), (298, 16753), (313, 16816), (326, 16879), (337, 16924), (344, 16966), (362, 17050), (460, 17317), (490, 17368), (519, 17413), (554, 17491), (569, 17524), (571, 17530), (613, 17626), (615, 17635), (639, 17698), (649, 17719), (661, 17746), (672, 17779), (679, 17803), (680, 17809), (697, 17863), (713, 17911), (731, 17977), (767, 18142), (774, 18160), (822, 18286), (880, 18538), (881, 18541), (883, 18550), (895, 18610), (916, 18706), (921, 18754),

Gene: Ichabod_25 Start: 16373, Stop: 19030, Start Num: 135
Candidate Starts for Ichabod_25:
(Start: 135 @16373 has 221 MA's), (Start: 144 @16388 has 1 MA's), (171, 16472), (Start: 174 @16478 has 1 MA's), (182, 16502), (196, 16544), (313, 16853), (326, 16916), (337, 16961), (342, 16985), (346, 17006), (357, 17060), (360, 17072), (455, 17393), (566, 17723), (587, 17774), (597, 17801), (669, 18005), (710, 18119), (713, 18128), (720, 18149), (725, 18170), (749, 18269), (758, 18311), (759, 18314), (802, 18443), (830, 18527), (844, 18572), (895, 18854), (911, 18941), (918, 18980), (921, 19010),

Gene: Idleandcovert_25 Start: 15495, Stop: 18530, Start Num: 47
Candidate Starts for Idleandcovert_25:
(Start: 47 @15495 has 37 MA's), (87, 15669), (90, 15681), (Start: 99 @15714 has 4 MA's), (171, 15924), (212, 16044), (214, 16047), (256, 16251), (266, 16272), (277, 16302), (278, 16305), (294, 16368), (298, 16380), (306, 16413), (310, 16431), (324, 16500), (326, 16506), (330, 16521), (333, 16530), (335, 16542), (337, 16551), (354, 16644), (381, 16761), (382, 16764), (385, 16788), (386, 16791), (388, 16803), (401, 16857), (407, 16878), (412, 16899), (422, 16944), (427, 16971), (432, 16983), (483, 17124), (504, 17169), (511, 17184), (530, 17259), (534, 17268), (547, 17298), (555, 17313), (557, 17316), (563, 17334), (568, 17355), (569, 17358), (589, 17397), (590, 17400), (633, 17484), (671, 17550), (677, 17571), (691, 17610), (707, 17649), (713, 17670), (722, 17700), (723,

17703), (725, 17712), (730, 17736), (749, 17805), (753, 17826), (767, 17895), (774, 17913), (789, 17961), (793, 17973), (814, 18015), (818, 18027), (833, 18075), (874, 18246), (877, 18276), (883, 18306), (887, 18327), (916, 18462), (921, 18510),

Gene: IgnatiusPatJac_23 Start: 16361, Stop: 18832, Start Num: 135
Candidate Starts for IgnatiusPatJac_23:
(Start: 135 @16361 has 221 MA's), (Start: 150 @16400 has 5 MA's), (171, 16463), (182, 16493), (188, 16514), (196, 16535), (202, 16547), (233, 16565), (260, 16655), (313, 16853), (319, 16886), (335, 16952), (396, 17207), (407, 17228), (414, 17255), (492, 17414), (519, 17450), (566, 17543), (572, 17564), (597, 17621), (637, 17741), (652, 17777), (667, 17807), (681, 17843), (705, 17909), (713, 17930), (749, 18071), (786, 18212), (797, 18233), (841, 18368), (875, 18545), (895, 18656), (907, 18722), (911, 18743), (918, 18782), (921, 18812),

Gene: Imbriano_29 Start: 16735, Stop: 18939, Start Num: 93
Candidate Starts for Imbriano_29:
(41, 16576), (77, 16690), (Start: 93 @16735 has 49 MA's), (Start: 145 @16846 has 7 MA's), (182, 16960), (196, 17002), (261, 17125), (273, 17161), (282, 17188), (313, 17311), (319, 17344), (339, 17434), (352, 17503), (425, 17746), (531, 17884), (623, 18004), (721, 18157), (749, 18220), (758, 18262), (789, 18361), (797, 18382), (804, 18403), (813, 18424), (830, 18475), (834, 18487), (840, 18502), (857, 18583), (873, 18661),

Gene: Indra_29 Start: 16734, Stop: 18938, Start Num: 93
Candidate Starts for Indra_29:
(77, 16689), (Start: 93 @16734 has 49 MA's), (Start: 145 @16845 has 7 MA's), (196, 17001), (269, 17148), (273, 17160), (312, 17307), (313, 17310), (319, 17343), (339, 17433), (352, 17502), (375, 17577), (425, 17745), (623, 18003), (656, 18048), (721, 18156), (749, 18219), (758, 18261), (789, 18360), (797, 18381), (804, 18402), (813, 18423), (830, 18474), (834, 18486), (840, 18501), (857, 18582), (873, 18660),

Gene: Insomnia_26 Start: 17215, Stop: 19761, Start Num: 91
Candidate Starts for Insomnia_26:
(Start: 91 @17215 has 24 MA's), (Start: 96 @17233 has 4 MA's), (Start: 156 @17407 has 18 MA's), (159, 17416), (196, 17491), (248, 17545), (265, 17599), (270, 17614), (271, 17617), (278, 17635), (294, 17698), (298, 17710), (313, 17773), (326, 17836), (330, 17851), (333, 17860), (337, 17881), (341, 17905), (344, 17920), (364, 18007), (366, 18010), (372, 18025), (378, 18046), (380, 18058), (396, 18124), (418, 18196), (425, 18220), (454, 18301), (457, 18310), (462, 18322), (471, 18364), (513, 18421), (532, 18475), (577, 18583), (595, 18622), (647, 18763), (690, 18859), (695, 18880), (708, 18913), (721, 18946), (722, 18949), (748, 19033), (758, 19078), (759, 19081), (792, 19195), (804, 19228), (830, 19300), (842, 19336), (857, 19408), (873, 19486), (881, 19540), (886, 19564), (912, 19675),

Gene: Inyanga_23 Start: 16138, Stop: 18609, Start Num: 135
Candidate Starts for Inyanga_23:
(Start: 135 @16138 has 221 MA's), (Start: 150 @16177 has 5 MA's), (171, 16240), (182, 16270), (188, 16291), (196, 16312), (202, 16324), (233, 16342), (260, 16432), (313, 16630), (319, 16663), (335, 16729), (396, 16984), (407, 17005), (414, 17032), (492, 17191), (519, 17227), (566, 17320), (572, 17341), (597, 17398), (637, 17518), (652, 17554), (667, 17584), (681, 17620), (705, 17686), (713, 17707), (725, 17749), (749, 17848), (786, 17989), (797, 18010), (841, 18145), (875, 18322), (895, 18433), (907, 18499), (911, 18520), (918, 18559), (920, 18574),

Gene: Iqorha_23 Start: 16137, Stop: 18608, Start Num: 135
Candidate Starts for Iqorha_23:

(Start: 135 @16137 has 221 MA's), (Start: 150 @16176 has 5 MA's), (171, 16239), (182, 16269), (188, 16290), (196, 16311), (202, 16323), (233, 16341), (260, 16431), (313, 16629), (319, 16662), (335, 16728), (396, 16983), (407, 17004), (414, 17031), (492, 17190), (519, 17226), (566, 17319), (572, 17340), (597, 17397), (637, 17517), (652, 17553), (667, 17583), (681, 17619), (705, 17685), (713, 17706), (725, 17748), (749, 17847), (786, 17988), (797, 18009), (841, 18144), (875, 18321), (895, 18432), (907, 18498), (911, 18519), (918, 18558), (920, 18573),

Gene: Iracema64_26 Start: 16196, Stop: 18796, Start Num: 95
Candidate Starts for Iracema64_26:
(Start: 95 @16196 has 129 MA's), (Start: 153 @16337 has 23 MA's), (Start: 163 @16355 has 10 MA's), (218, 16511), (238, 16562), (255, 16631), (290, 16748), (298, 16775), (313, 16838), (337, 16946), (344, 16988), (362, 17072), (460, 17339), (490, 17390), (519, 17435), (554, 17513), (569, 17546), (571, 17552), (619, 17666), (639, 17720), (659, 17765), (679, 17825), (697, 17885), (731, 17999), (767, 18164), (774, 18182), (822, 18308), (880, 18560), (881, 18563), (883, 18572), (895, 18632), (916, 18728), (921, 18776),

Gene: IronMan_28 Start: 18329, Stop: 20707, Start Num: 150
Candidate Starts for IronMan_28:
(Start: 145 @18311 has 7 MA's), (Start: 150 @18329 has 5 MA's), (160, 18362), (165, 18368), (201, 18464), (217, 18506), (242, 18569), (243, 18572), (254, 18614), (272, 18662), (274, 18668), (276, 18677), (284, 18716), (295, 18752), (298, 18761), (313, 18824), (319, 18857), (330, 18902), (335, 18923), (337, 18932), (356, 19037), (397, 19178), (471, 19346), (478, 19352), (489, 19373), (490, 19376), (521, 19424), (523, 19430), (601, 19610), (685, 19820), (702, 19856), (720, 19907), (737, 19967), (743, 20000), (744, 20012), (753, 20045), (754, 20048), (798, 20186), (803, 20198), (820, 20240), (838, 20288), (840, 20294), (885, 20504),

Gene: Isca_25 Start: 15423, Stop: 18467, Start Num: 47
Candidate Starts for Isca_25:
(Start: 47 @15423 has 37 MA's), (87, 15597), (90, 15609), (171, 15852), (212, 15972), (214, 15975), (259, 16197), (278, 16242), (298, 16317), (306, 16350), (310, 16368), (313, 16380), (328, 16446), (335, 16479), (337, 16488), (344, 16530), (354, 16581), (381, 16698), (388, 16740), (401, 16794), (407, 16815), (420, 16872), (422, 16881), (462, 17007), (468, 17013), (474, 17040), (504, 17106), (511, 17121), (518, 17151), (520, 17154), (534, 17205), (539, 17217), (549, 17238), (555, 17250), (563, 17271), (573, 17307), (589, 17334), (610, 17367), (612, 17379), (633, 17421), (671, 17487), (691, 17547), (707, 17586), (722, 17637), (723, 17640), (725, 17649), (730, 17673), (749, 17742), (753, 17763), (767, 17832), (774, 17850), (789, 17898), (793, 17910), (814, 17952), (818, 17964), (833, 18012), (874, 18183), (883, 18243), (887, 18264), (916, 18399), (917, 18411), (921, 18447),

Gene: Isiphiwo_29 Start: 16726, Stop: 18930, Start Num: 93
Candidate Starts for Isiphiwo_29:
(Start: 93 @16726 has 49 MA's), (Start: 145 @16837 has 7 MA's), (147, 16843), (182, 16951), (196, 16993), (243, 17059), (273, 17152), (282, 17179), (313, 17302), (319, 17335), (339, 17425), (352, 17494), (425, 17737), (531, 17875), (623, 17995), (721, 18148), (749, 18211), (758, 18253), (789, 18352), (797, 18373), (804, 18394), (813, 18415), (830, 18466), (834, 18478), (840, 18493), (857, 18574), (873, 18652),

Gene: Iwokeuplikedis_27 Start: 16605, Stop: 18896, Start Num: 123
Candidate Starts for Iwokeuplikedis_27:
(105, 16563), (Start: 123 @16605 has 3 MA's), (136, 16623), (141, 16635), (149, 16656), (Start: 150 @16662 has 5 MA's), (182, 16758), (196, 16800), (242, 16863), (255, 16911), (264, 16932), (273, 16959), (298, 17046), (304, 17073), (313, 17109), (319, 17142), (325, 17166), (330, 17187), (333, 17196), (337, 17217), (341, 17241), (344, 17259), (399, 17457), (421, 17529), (423, 17535), (425, 17544), (445, 17592), (448, 17601), (496, 17667), (529, 17724), (626, 17913), (635, 17925), (647,

17958), (670, 18003), (687, 18054), (720, 18114), (721, 18120), (749, 18183), (789, 18324), (797, 18345), (804, 18366), (808, 18375), (813, 18387), (822, 18411), (842, 18474), (886, 18693),

Gene: JC27_26 Start: 17262, Stop: 19742, Start Num: 135
Candidate Starts for JC27_26:
(Start: 135 @17262 has 221 MA's), (Start: 150 @17301 has 5 MA's), (165, 17346), (171, 17364), (Start: 174 @17370 has 1 MA's), (182, 17394), (196, 17436), (284, 17643), (290, 17661), (313, 17751), (326, 17814), (335, 17850), (344, 17901), (483, 18285), (538, 18387), (558, 18426), (566, 18441), (569, 18453), (579, 18477), (667, 18705), (705, 18807), (713, 18828), (725, 18870), (749, 18969), (762, 19032), (834, 19251), (843, 19284), (895, 19566), (907, 19632), (911, 19653), (918, 19692), (920, 19707),

Gene: JF2_25 Start: 15174, Stop: 18218, Start Num: 47
Candidate Starts for JF2_25:
(Start: 47 @15174 has 37 MA's), (87, 15348), (90, 15360), (171, 15603), (212, 15723), (214, 15726), (259, 15948), (278, 15993), (298, 16068), (306, 16101), (310, 16119), (313, 16131), (328, 16197), (335, 16230), (337, 16239), (344, 16281), (354, 16332), (381, 16449), (388, 16491), (401, 16545), (407, 16566), (420, 16623), (422, 16632), (462, 16758), (468, 16764), (474, 16791), (504, 16857), (511, 16872), (518, 16902), (520, 16905), (534, 16956), (539, 16968), (549, 16989), (555, 17001), (563, 17022), (573, 17058), (589, 17085), (610, 17118), (612, 17130), (633, 17172), (671, 17238), (691, 17298), (707, 17337), (722, 17388), (723, 17391), (725, 17400), (730, 17424), (749, 17493), (753, 17514), (767, 17583), (774, 17601), (789, 17649), (793, 17661), (814, 17703), (818, 17715), (833, 17763), (874, 17934), (883, 17994), (887, 18015), (916, 18150), (917, 18162), (921, 18198),

Gene: JF4_25 Start: 15174, Stop: 18218, Start Num: 47
Candidate Starts for JF4_25:
(Start: 47 @15174 has 37 MA's), (87, 15348), (90, 15360), (171, 15603), (212, 15723), (214, 15726), (259, 15948), (278, 15993), (298, 16068), (306, 16101), (310, 16119), (313, 16131), (328, 16197), (335, 16230), (337, 16239), (344, 16281), (354, 16332), (381, 16449), (388, 16491), (401, 16545), (407, 16566), (420, 16623), (422, 16632), (462, 16758), (468, 16764), (474, 16791), (504, 16857), (511, 16872), (518, 16902), (520, 16905), (534, 16956), (539, 16968), (549, 16989), (555, 17001), (563, 17022), (573, 17058), (589, 17085), (610, 17118), (612, 17130), (633, 17172), (671, 17238), (691, 17298), (707, 17337), (722, 17388), (723, 17391), (725, 17400), (730, 17424), (749, 17493), (753, 17514), (767, 17583), (774, 17601), (789, 17649), (793, 17661), (814, 17703), (818, 17715), (833, 17763), (874, 17934), (883, 17994), (887, 18015), (916, 18150), (917, 18162), (921, 18198),

Gene: JHC117_27 Start: 15977, Stop: 19003, Start Num: 48
Candidate Starts for JHC117_27:
(40, 15923), (Start: 48 @15977 has 89 MA's), (71, 16091), (88, 16157), (90, 16160), (92, 16169), (104, 16205), (122, 16256), (148, 16328), (171, 16400), (212, 16520), (214, 16523), (225, 16592), (231, 16637), (256, 16730), (262, 16739), (268, 16757), (278, 16784), (294, 16847), (298, 16859), (306, 16892), (310, 16910), (323, 16976), (324, 16979), (326, 16985), (330, 17000), (333, 17009), (335, 17021), (337, 17030), (350, 17108), (354, 17123), (381, 17240), (382, 17243), (386, 17270), (388, 17282), (401, 17336), (407, 17357), (422, 17423), (432, 17462), (468, 17555), (483, 17603), (504, 17648), (520, 17696), (530, 17738), (534, 17747), (547, 17777), (549, 17780), (555, 17792), (573, 17849), (575, 17855), (589, 17876), (590, 17879), (666, 18017), (671, 18029), (691, 18089), (711, 18146), (749, 18284), (753, 18305), (757, 18329), (767, 18374), (774, 18392), (789, 18440), (793, 18452), (814, 18494), (835, 18557), (852, 18614), (865, 18683), (874, 18719), (887, 18800), (916, 18935),

Gene: JSwag_28 Start: 15741, Stop: 18095, Start Num: 99
Candidate Starts for JSwag_28:

(Start: 95 @15732 has 129 MA's), (Start: 99 @15741 has 4 MA's), (Start: 156 @15909 has 18 MA's), (267, 16149), (269, 16155), (289, 16224), (304, 16281), (337, 16425), (344, 16467), (353, 16515), (354, 16518), (384, 16629), (387, 16647), (425, 16752), (445, 16800), (515, 16905), (541, 16965), (569, 17019), (592, 17055), (599, 17079), (602, 17088), (624, 17151), (636, 17172), (640, 17187), (654, 17211), (659, 17223), (689, 17277), (695, 17298), (709, 17328), (771, 17499), (777, 17520), (813, 17604), (887, 17907), (916, 18030), (917, 18042),

Gene: Jaan_29 Start: 18718, Stop: 21096, Start Num: 150
Candidate Starts for Jaan_29:
(Start: 145 @18700 has 7 MA's), (Start: 150 @18718 has 5 MA's), (160, 18751), (165, 18757), (201, 18853), (217, 18895), (272, 19051), (276, 19066), (283, 19096), (284, 19105), (295, 19141), (298, 19150), (313, 19213), (319, 19246), (330, 19291), (335, 19312), (337, 19321), (356, 19426), (397, 19567), (471, 19735), (478, 19741), (521, 19813), (596, 19981), (601, 19999), (661, 20155), (685, 20209), (702, 20245), (720, 20296), (737, 20356), (743, 20389), (744, 20401), (753, 20434), (754, 20437), (798, 20575), (803, 20587), (820, 20629), (836, 20665), (838, 20677), (840, 20683), (885, 20893),

Gene: Jabiru_22 Start: 15139, Stop: 17952, Start Num: 1
Candidate Starts for Jabiru_22:
(Start: 1 @15139 has 40 MA's), (7, 15328), (64, 15676), (Start: 95 @15811 has 129 MA's), (97, 15817), (183, 15910), (206, 15961), (243, 15997), (272, 16087), (288, 16153), (294, 16174), (313, 16249), (319, 16282), (333, 16336), (338, 16369), (339, 16372), (341, 16381), (362, 16480), (375, 16513), (412, 16642), (511, 16807), (537, 16840), (572, 16873), (621, 16954), (632, 16966), (641, 16999), (682, 17077), (686, 17086), (711, 17152), (716, 17161), (749, 17224), (758, 17266), (777, 17338), (789, 17365), (795, 17380), (804, 17407), (813, 17428), (842, 17515), (849, 17545), (863, 17608), (880, 17707), (883, 17719), (885, 17731), (887, 17740), (916, 17887),

Gene: Jabith_26 Start: 17215, Stop: 19761, Start Num: 91
Candidate Starts for Jabith_26:
(Start: 91 @17215 has 24 MA's), (Start: 96 @17233 has 4 MA's), (Start: 156 @17407 has 18 MA's), (159, 17416), (196, 17491), (248, 17545), (265, 17599), (270, 17614), (271, 17617), (278, 17635), (294, 17698), (298, 17710), (313, 17773), (326, 17836), (330, 17851), (333, 17860), (337, 17881), (341, 17905), (344, 17920), (364, 18007), (366, 18010), (372, 18025), (378, 18046), (380, 18058), (396, 18124), (418, 18196), (425, 18220), (454, 18301), (457, 18310), (462, 18322), (471, 18364), (513, 18421), (532, 18475), (577, 18583), (595, 18622), (647, 18763), (690, 18859), (695, 18880), (708, 18913), (721, 18946), (722, 18949), (748, 19033), (758, 19078), (759, 19081), (792, 19195), (804, 19228), (830, 19300), (842, 19336), (857, 19408), (873, 19486), (881, 19540), (886, 19564), (912, 19675),

Gene: JackSparrow_25 Start: 16702, Stop: 19182, Start Num: 135
Candidate Starts for JackSparrow_25:
(Start: 135 @16702 has 221 MA's), (Start: 150 @16741 has 5 MA's), (171, 16804), (182, 16834), (196, 16876), (284, 17083), (290, 17101), (313, 17191), (326, 17254), (333, 17278), (335, 17290), (344, 17341), (483, 17725), (538, 17827), (558, 17866), (569, 17893), (579, 17917), (625, 18046), (667, 18145), (705, 18247), (713, 18268), (718, 18280), (725, 18310), (749, 18409), (762, 18472), (834, 18691), (843, 18724), (875, 18895), (895, 19006), (907, 19072), (911, 19093), (918, 19132), (921, 19162),

Gene: Jasper_25 Start: 16203, Stop: 18683, Start Num: 135
Candidate Starts for Jasper_25:
(Start: 135 @16203 has 221 MA's), (Start: 150 @16242 has 5 MA's), (171, 16305), (182, 16335), (196, 16377), (284, 16584), (290, 16602), (313, 16692), (326, 16755), (333, 16779), (335, 16791), (344, 16842), (483, 17226), (538, 17328), (558, 17367), (569, 17394), (579, 17418), (625, 17547), (667,

17646), (705, 17748), (713, 17769), (718, 17781), (725, 17811), (748, 17907), (749, 17910), (762, 17973), (834, 18192), (843, 18225), (895, 18507), (911, 18594), (918, 18633),

Gene: Jaykayelowell_25 Start: 15881, Stop: 18481, Start Num: 95
Candidate Starts for Jaykayelowell_25:
(Start: 95 @15881 has 129 MA's), (Start: 153 @16022 has 23 MA's), (Start: 163 @16040 has 10 MA's), (238, 16247), (248, 16286), (255, 16316), (290, 16433), (298, 16460), (313, 16523), (326, 16586), (337, 16631), (344, 16673), (362, 16757), (460, 17024), (490, 17075), (519, 17120), (554, 17198), (569, 17231), (571, 17237), (613, 17333), (615, 17342), (639, 17405), (649, 17426), (661, 17453), (679, 17510), (680, 17516), (697, 17570), (713, 17618), (731, 17684), (767, 17849), (774, 17867), (822, 17993), (880, 18245), (881, 18248), (883, 18257), (895, 18317), (916, 18413), (921, 18461),

Gene: Jeeves_25 Start: 15770, Stop: 18166, Start Num: 150
Candidate Starts for Jeeves_25:
(Start: 144 @15749 has 1 MA's), (Start: 150 @15770 has 5 MA's), (201, 15905), (217, 15947), (233, 15989), (238, 16001), (272, 16115), (284, 16169), (298, 16214), (313, 16277), (319, 16310), (340, 16406), (397, 16631), (469, 16790), (490, 16829), (496, 16844), (521, 16883), (601, 17069), (702, 17315), (720, 17366), (737, 17426), (743, 17459), (744, 17471), (753, 17504), (784, 17627), (798, 17645), (803, 17657), (812, 17681), (836, 17735), (838, 17747), (864, 17852), (874, 17894), (885, 17963), (899, 18038), (917, 18104), (921, 18140),

Gene: Jeffabunny_29 Start: 16741, Stop: 18957, Start Num: 93
Candidate Starts for Jeffabunny_29:
(77, 16696), (Start: 93 @16741 has 49 MA's), (Start: 145 @16852 has 7 MA's), (196, 17008), (269, 17155), (273, 17167), (312, 17314), (313, 17317), (319, 17350), (339, 17440), (352, 17509), (375, 17584), (425, 17752), (623, 18010), (656, 18055), (721, 18163), (749, 18226), (758, 18268), (789, 18367), (797, 18388), (813, 18430), (830, 18481), (840, 18508), (857, 18589), (873, 18679),

Gene: JenCasNa_27 Start: 15978, Stop: 19004, Start Num: 48
Candidate Starts for JenCasNa_27:
(40, 15924), (Start: 48 @15978 has 89 MA's), (71, 16092), (88, 16158), (90, 16161), (92, 16170), (104, 16206), (122, 16257), (148, 16329), (171, 16401), (212, 16521), (214, 16524), (225, 16593), (231, 16638), (256, 16731), (262, 16740), (268, 16758), (278, 16785), (294, 16848), (298, 16860), (306, 16893), (310, 16911), (323, 16977), (324, 16980), (326, 16986), (330, 17001), (333, 17010), (335, 17022), (337, 17031), (350, 17109), (354, 17124), (381, 17241), (382, 17244), (386, 17271), (388, 17283), (401, 17337), (407, 17358), (422, 17424), (432, 17463), (468, 17556), (483, 17604), (504, 17649), (520, 17697), (530, 17739), (534, 17748), (547, 17778), (549, 17781), (555, 17793), (573, 17850), (575, 17856), (589, 17877), (590, 17880), (666, 18018), (671, 18030), (691, 18090), (711, 18147), (749, 18285), (753, 18306), (757, 18330), (767, 18375), (774, 18393), (789, 18441), (793, 18453), (814, 18495), (835, 18558), (852, 18615), (865, 18684), (874, 18720), (887, 18801), (916, 18936),

Gene: JeppNRM_28 Start: 16055, Stop: 19081, Start Num: 48
Candidate Starts for JeppNRM_28:
(40, 16001), (Start: 48 @16055 has 89 MA's), (71, 16169), (88, 16235), (90, 16238), (92, 16247), (104, 16283), (122, 16334), (148, 16406), (171, 16478), (212, 16598), (214, 16601), (231, 16715), (256, 16808), (262, 16817), (278, 16862), (287, 16901), (294, 16925), (298, 16937), (306, 16970), (310, 16988), (314, 17009), (324, 17057), (326, 17063), (330, 17078), (333, 17087), (335, 17099), (337, 17108), (354, 17201), (377, 17288), (381, 17318), (382, 17321), (386, 17348), (388, 17360), (401, 17414), (407, 17435), (415, 17465), (422, 17501), (462, 17627), (483, 17681), (504, 17726), (520, 17774), (530, 17816), (534, 17825), (547, 17855), (573, 17927), (575, 17933), (589, 17954), (590, 17957), (604, 17969), (655, 18086), (666, 18095), (691, 18167), (692, 18170), (707, 18206), (713,

18227), (722, 18257), (723, 18260), (725, 18269), (767, 18452), (789, 18518), (793, 18530), (814, 18572), (835, 18635), (852, 18692), (865, 18761), (874, 18797), (887, 18878), (916, 19013), (917, 19025),

Gene: Jerm_28 Start: 17056, Stop: 19599, Start Num: 130
Candidate Starts for Jerm_28:
(Start: 130 @17056 has 101 MA's), (198, 17236), (199, 17239), (211, 17269), (247, 17407), (249, 17413), (253, 17434), (256, 17443), (262, 17452), (266, 17464), (281, 17509), (285, 17530), (293, 17557), (298, 17572), (310, 17623), (319, 17668), (320, 17671), (323, 17689), (333, 17722), (335, 17734), (337, 17743), (340, 17764), (341, 17767), (381, 17953), (388, 17995), (391, 18004), (394, 18013), (407, 18070), (422, 18136), (432, 18175), (468, 18268), (478, 18304), (504, 18361), (524, 18427), (534, 18460), (540, 18475), (542, 18481), (547, 18490), (555, 18505), (563, 18526), (568, 18547), (575, 18568), (577, 18571), (589, 18589), (590, 18592), (614, 18643), (618, 18652), (644, 18700), (653, 18718), (671, 18742), (691, 18802), (701, 18829), (722, 18892), (734, 18937), (766, 19075), (821, 19165), (826, 19174), (846, 19198), (866, 19285), (873, 19315), (886, 19399),

Gene: Jerm2_25 Start: 16571, Stop: 19051, Start Num: 135
Candidate Starts for Jerm2_25:
(Start: 135 @16571 has 221 MA's), (Start: 150 @16610 has 5 MA's), (171, 16673), (182, 16703), (196, 16745), (284, 16952), (290, 16970), (313, 17060), (326, 17123), (333, 17147), (335, 17159), (344, 17210), (483, 17594), (538, 17696), (558, 17735), (566, 17750), (569, 17762), (579, 17786), (625, 17915), (667, 18014), (705, 18116), (713, 18137), (725, 18179), (749, 18278), (762, 18341), (789, 18431), (834, 18560), (843, 18593), (895, 18875), (907, 18941), (911, 18962), (918, 19001), (920, 19016),

Gene: JetBlade_25 Start: 15882, Stop: 18482, Start Num: 95
Candidate Starts for JetBlade_25:
(Start: 95 @15882 has 129 MA's), (Start: 153 @16023 has 23 MA's), (Start: 163 @16041 has 10 MA's), (238, 16248), (248, 16287), (255, 16317), (290, 16434), (298, 16461), (313, 16524), (326, 16587), (337, 16632), (344, 16674), (362, 16758), (460, 17025), (490, 17076), (519, 17121), (554, 17199), (571, 17238), (619, 17352), (639, 17406), (659, 17451), (679, 17511), (685, 17529), (697, 17571), (713, 17619), (731, 17685), (767, 17850), (774, 17868), (822, 17994), (880, 18246), (881, 18249), (883, 18258), (895, 18318), (916, 18414), (921, 18462),

Gene: JewelBug_29 Start: 16740, Stop: 18944, Start Num: 93
Candidate Starts for JewelBug_29:
(41, 16581), (77, 16695), (Start: 93 @16740 has 49 MA's), (Start: 145 @16851 has 7 MA's), (147, 16857), (182, 16965), (196, 17007), (243, 17073), (273, 17166), (282, 17193), (313, 17316), (319, 17349), (339, 17439), (352, 17508), (425, 17751), (531, 17889), (623, 18009), (721, 18162), (749, 18225), (758, 18267), (789, 18366), (797, 18387), (804, 18408), (813, 18429), (830, 18480), (834, 18492), (840, 18507), (857, 18588), (873, 18666),

Gene: Jiawan_27 Start: 17626, Stop: 20535, Start Num: 66
Candidate Starts for Jiawan_27:
(Start: 66 @17626 has 43 MA's), (69, 17638), (85, 17698), (Start: 138 @17857 has 1 MA's), (157, 17920), (178, 17983), (191, 18025), (214, 18082), (222, 18121), (258, 18292), (262, 18298), (267, 18313), (293, 18403), (294, 18406), (298, 18418), (309, 18460), (319, 18514), (337, 18589), (340, 18610), (341, 18613), (344, 18631), (356, 18694), (375, 18760), (381, 18799), (385, 18826), (388, 18841), (396, 18871), (401, 18895), (404, 18907), (407, 18916), (422, 18982), (432, 19021), (456, 19087), (468, 19114), (474, 19141), (504, 19207), (518, 19252), (542, 19327), (563, 19372), (568, 19393), (575, 19414), (577, 19417), (589, 19435), (590, 19438), (609, 19465), (644, 19546), (722, 19738), (726, 19753), (734, 19783), (747, 19834), (766, 19921), (768, 19930), (785, 19981), (814, 20044), (822, 20065), (833, 20101), (846, 20137), (847, 20143), (865, 20221), (872, 20248), (881,

20308), (895, 20377), (899, 20407), (905, 20434), (917, 20473), (922, 20515),

Gene: Jobu08_27 Start: 16051, Stop: 19077, Start Num: 48
Candidate Starts for Jobu08_27:
(40, 15997), (Start: 48 @16051 has 89 MA's), (71, 16165), (88, 16231), (90, 16234), (92, 16243), (104, 16279), (122, 16330), (148, 16402), (171, 16474), (212, 16594), (214, 16597), (225, 16666), (231, 16711), (256, 16804), (262, 16813), (278, 16858), (294, 16921), (298, 16933), (306, 16966), (310, 16984), (323, 17050), (324, 17053), (326, 17059), (330, 17074), (333, 17083), (335, 17095), (337, 17104), (354, 17197), (377, 17284), (381, 17314), (382, 17317), (386, 17344), (388, 17356), (401, 17410), (407, 17431), (415, 17461), (422, 17497), (483, 17677), (504, 17722), (520, 17770), (530, 17812), (534, 17821), (547, 17851), (573, 17923), (589, 17950), (590, 17953), (604, 17965), (655, 18082), (666, 18091), (671, 18103), (691, 18163), (713, 18223), (722, 18253), (723, 18256), (725, 18265), (749, 18358), (767, 18448), (789, 18514), (793, 18526), (814, 18568), (835, 18631), (852, 18688), (865, 18757), (874, 18793), (887, 18874), (916, 19009),

Gene: JoongJeon_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for JoongJeon_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Jordennis_29 Start: 16725, Stop: 18929, Start Num: 93
Candidate Starts for Jordennis_29:
(41, 16566), (77, 16680), (Start: 93 @16725 has 49 MA's), (Start: 145 @16836 has 7 MA's), (182, 16950), (196, 16992), (261, 17115), (273, 17151), (282, 17178), (313, 17301), (319, 17334), (339, 17424), (352, 17493), (425, 17736), (531, 17874), (623, 17994), (721, 18147), (749, 18210), (758, 18252), (789, 18351), (797, 18372), (804, 18393), (813, 18414), (830, 18465), (834, 18477), (840, 18492), (857, 18573), (873, 18651),

Gene: Jorgensen_24 Start: 16158, Stop: 18737, Start Num: 135
Candidate Starts for Jorgensen_24:
(Start: 135 @16158 has 221 MA's), (Start: 150 @16197 has 5 MA's), (171, 16260), (182, 16290), (233, 16374), (285, 16545), (326, 16713), (337, 16758), (341, 16782), (344, 16800), (433, 17112), (501, 17268), (536, 17370), (551, 17403), (581, 17475), (597, 17514), (625, 17601), (667, 17700), (705, 17802), (713, 17823), (718, 17835), (725, 17865), (749, 17964), (762, 18027), (834, 18246), (843, 18279), (875, 18450), (895, 18561), (907, 18627), (911, 18648), (918, 18687), (920, 18702),

Gene: Joselito_26 Start: 17163, Stop: 19709, Start Num: 91
Candidate Starts for Joselito_26:
(Start: 91 @17163 has 24 MA's), (Start: 96 @17181 has 4 MA's), (Start: 156 @17355 has 18 MA's), (159, 17364), (196, 17439), (248, 17493), (265, 17547), (270, 17562), (271, 17565), (278, 17583), (294, 17646), (298, 17658), (313, 17721), (326, 17784), (330, 17799), (333, 17808), (337, 17829), (341, 17853), (344, 17868), (364, 17955), (366, 17958), (372, 17973), (378, 17994), (380, 18006), (396, 18072), (416, 18135), (418, 18144), (425, 18168), (454, 18249), (457, 18258), (462, 18270), (471, 18312), (513, 18369), (532, 18423), (577, 18531), (595, 18570), (647, 18711), (690, 18807), (695, 18828), (708, 18861), (721, 18894), (722, 18897), (748, 18981), (758, 19026), (759, 19029), (792, 19143), (804, 19176), (842, 19284), (857, 19356), (873, 19434), (881, 19488), (886, 19512), (912, 19623),

Gene: JoshKayV_28 Start: 17026, Stop: 19569, Start Num: 130

Candidate Starts for JoshKayV_28:
(Start: 130 @17026 has 101 MA's), (197, 17203), (198, 17206), (199, 17209), (211, 17239), (249, 17383), (253, 17404), (256, 17413), (266, 17434), (278, 17467), (285, 17500), (310, 17593), (319, 17638), (320, 17641), (323, 17659), (333, 17692), (335, 17704), (337, 17713), (340, 17734), (341, 17737), (381, 17923), (388, 17965), (391, 17974), (394, 17983), (407, 18040), (422, 18106), (432, 18145), (487, 18298), (542, 18451), (547, 18460), (550, 18466), (555, 18475), (563, 18496), (569, 18520), (577, 18541), (590, 18562), (611, 18601), (614, 18613), (671, 18712), (691, 18772), (701, 18799), (722, 18862), (734, 18907), (746, 18955), (766, 19045), (773, 19057), (817, 19126), (821, 19135), (826, 19144), (866, 19255), (873, 19285), (886, 19369),

Gene: Journey13_24 Start: 15775, Stop: 18291, Start Num: 130
Candidate Starts for Journey13_24:
(Start: 130 @15775 has 101 MA's), (173, 15886), (197, 15952), (198, 15955), (241, 16072), (262, 16156), (265, 16165), (278, 16201), (298, 16276), (310, 16327), (321, 16384), (324, 16396), (326, 16402), (328, 16405), (330, 16417), (335, 16438), (337, 16447), (356, 16552), (359, 16561), (365, 16585), (374, 16615), (381, 16657), (401, 16753), (407, 16774), (417, 16819), (422, 16840), (471, 16990), (494, 17047), (504, 17065), (511, 17080), (516, 17107), (520, 17113), (534, 17164), (542, 17185), (550, 17200), (555, 17209), (563, 17230), (575, 17272), (590, 17296), (611, 17335), (618, 17356), (620, 17362), (666, 17434), (691, 17506), (692, 17509), (701, 17533), (711, 17563), (722, 17596), (739, 17653), (746, 17689), (757, 17737), (773, 17791), (805, 17830), (809, 17842), (817, 17857), (821, 17866), (826, 17875), (858, 17956), (866, 17986), (873, 18016), (886, 18094),

Gene: Jovo_22 Start: 15350, Stop: 18691, Start Num: 1
Candidate Starts for Jovo_22:
(Start: 1 @15350 has 40 MA's), (19, 15788), (Start: 95 @16100 has 129 MA's), (118, 16178), (131, 16208), (152, 16265), (202, 16412), (204, 16418), (206, 16424), (269, 16550), (273, 16562), (313, 16712), (320, 16748), (326, 16778), (330, 16793), (337, 16823), (338, 16835), (343, 16859), (356, 16928), (379, 16994), (425, 17150), (457, 17219), (458, 17222), (472, 17249), (485, 17273), (543, 17411), (556, 17432), (572, 17477), (593, 17519), (672, 17711), (680, 17741), (690, 17765), (693, 17777), (699, 17798), (716, 17840), (740, 17927), (749, 17963), (753, 17984), (758, 18005), (781, 18083), (789, 18104), (797, 18125), (804, 18146), (813, 18167), (822, 18191), (842, 18254), (863, 18347), (866, 18365), (880, 18446), (883, 18458), (885, 18470), (887, 18479), (898, 18533), (915, 18617), (916, 18626),

Gene: Jsquared_25 Start: 15543, Stop: 18056, Start Num: 130
Candidate Starts for Jsquared_25:
(Start: 130 @15543 has 101 MA's), (173, 15654), (197, 15720), (198, 15723), (199, 15726), (253, 15912), (256, 15921), (262, 15930), (298, 16050), (310, 16101), (321, 16158), (324, 16170), (326, 16176), (330, 16191), (335, 16212), (337, 16221), (345, 16269), (381, 16431), (386, 16461), (388, 16473), (398, 16512), (401, 16527), (407, 16548), (420, 16605), (422, 16614), (427, 16641), (462, 16740), (504, 16839), (511, 16854), (520, 16887), (528, 16917), (534, 16938), (542, 16959), (563, 17004), (589, 17067), (590, 17070), (611, 17109), (614, 17121), (620, 17136), (671, 17220), (691, 17280), (701, 17307), (722, 17370), (726, 17385), (734, 17415), (757, 17511), (775, 17577), (821, 17640), (881, 17835), (882, 17838), (886, 17859),

Gene: JuliaChild_26 Start: 16832, Stop: 19303, Start Num: 135
Candidate Starts for JuliaChild_26:
(Start: 135 @16832 has 221 MA's), (Start: 150 @16871 has 5 MA's), (171, 16934), (182, 16964), (188, 16985), (196, 17006), (202, 17018), (233, 17036), (260, 17126), (313, 17324), (319, 17357), (335, 17423), (396, 17678), (407, 17699), (414, 17726), (492, 17885), (519, 17921), (566, 18014), (572, 18035), (597, 18092), (637, 18212), (652, 18248), (667, 18278), (681, 18314), (705, 18380), (713, 18401), (749, 18542), (786, 18683), (797, 18704), (841, 18839), (875, 19016), (895, 19127), (907, 19193), (911, 19214), (918, 19253), (920, 19268),

Gene: Junimo_24 Start: 16026, Stop: 18485, Start Num: 153
Candidate Starts for Junimo_24:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: KADY_28 Start: 16063, Stop: 19089, Start Num: 48
Candidate Starts for KADY_28:
(40, 16009), (Start: 48 @16063 has 89 MA's), (71, 16177), (88, 16243), (90, 16246), (92, 16255), (104, 16291), (122, 16342), (148, 16414), (171, 16486), (212, 16606), (214, 16609), (225, 16678), (231, 16723), (256, 16816), (262, 16825), (268, 16843), (278, 16870), (294, 16933), (298, 16945), (306, 16978), (310, 16996), (323, 17062), (324, 17065), (326, 17071), (330, 17086), (333, 17095), (335, 17107), (337, 17116), (350, 17194), (354, 17209), (381, 17326), (382, 17329), (386, 17356), (388, 17368), (401, 17422), (407, 17443), (422, 17509), (432, 17548), (468, 17641), (483, 17689), (504, 17734), (520, 17782), (530, 17824), (534, 17833), (547, 17863), (549, 17866), (555, 17878), (573, 17935), (575, 17941), (589, 17962), (590, 17965), (666, 18103), (671, 18115), (691, 18175), (711, 18232), (749, 18370), (753, 18391), (757, 18415), (767, 18460), (774, 18478), (789, 18526), (793, 18538), (814, 18580), (835, 18643), (852, 18700), (865, 18769), (874, 18805), (887, 18886), (916, 19021),

Gene: KBG_25 Start: 17265, Stop: 19736, Start Num: 135
Candidate Starts for KBG_25:
(Start: 135 @17265 has 221 MA's), (Start: 150 @17304 has 5 MA's), (171, 17367), (182, 17397), (188, 17418), (196, 17439), (233, 17469), (240, 17493), (260, 17559), (313, 17757), (319, 17790), (335, 17856), (396, 18111), (407, 18132), (414, 18159), (492, 18318), (519, 18354), (566, 18447), (572, 18468), (579, 18483), (588, 18504), (591, 18507), (611, 18576), (625, 18612), (637, 18645), (652, 18681), (667, 18711), (681, 18747), (705, 18813), (713, 18834), (749, 18975), (786, 19116), (797, 19137), (841, 19272), (875, 19449), (895, 19560), (907, 19626), (911, 19647), (918, 19686), (920, 19701),

Gene: KFPoly_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for KFPoly_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: KSSJEB_24 Start: 16162, Stop: 18630, Start Num: 135
Candidate Starts for KSSJEB_24:
(Start: 135 @16162 has 221 MA's), (Start: 144 @16177 has 1 MA's), (182, 16291), (188, 16312), (196, 16333), (233, 16363), (240, 16387), (246, 16408), (260, 16453), (313, 16651), (319, 16684), (335, 16750), (396, 17005), (407, 17026), (414, 17053), (492, 17212), (519, 17248), (566, 17341), (572, 17362), (579, 17377), (588, 17398), (591, 17401), (611, 17470), (625, 17506), (637, 17539), (652, 17575), (667, 17605), (681, 17641), (705, 17707), (713, 17728), (725, 17770), (749, 17869), (786, 18010), (797, 18031), (841, 18166), (875, 18343), (895, 18454), (911, 18541), (918, 18580), (921, 18610),

Gene: Kachowdy_25 Start: 15548, Stop: 18586, Start Num: 47
Candidate Starts for Kachowdy_25:
(Start: 47 @15548 has 37 MA's), (87, 15722), (90, 15734), (Start: 99 @15767 has 4 MA's), (171, 15977), (214, 16100), (219, 16121), (256, 16307), (266, 16328), (278, 16361), (294, 16424), (298, 16436), (306, 16469), (310, 16487), (324, 16556), (326, 16562), (330, 16577), (333, 16586), (335, 16598), (337, 16607), (354, 16700), (381, 16817), (382, 16820), (386, 16847), (388, 16859), (401, 16913), (407, 16934), (412, 16955), (422, 17000), (432, 17039), (468, 17132), (483, 17180), (504, 17225), (511, 17240), (530, 17315), (534, 17324), (539, 17336), (547, 17354), (555, 17369), (573, 17426), (589, 17453), (590, 17456), (607, 17477), (671, 17606), (677, 17627), (691, 17666), (707, 17705), (713, 17726), (722, 17756), (723, 17759), (725, 17768), (730, 17792), (749, 17861), (753, 17882), (767, 17951), (774, 17969), (789, 18017), (793, 18029), (814, 18071), (818, 18083), (833, 18131), (874, 18302), (877, 18332), (883, 18362), (887, 18383), (916, 18518), (917, 18530), (921, 18566),

Gene: Kalb97_28 Start: 16056, Stop: 19082, Start Num: 48
Candidate Starts for Kalb97_28:
(40, 16002), (Start: 48 @16056 has 89 MA's), (71, 16170), (88, 16236), (90, 16239), (92, 16248), (104, 16284), (122, 16335), (148, 16407), (171, 16479), (212, 16599), (214, 16602), (225, 16671), (231, 16716), (256, 16809), (262, 16818), (278, 16863), (287, 16902), (294, 16926), (298, 16938), (306, 16971), (310, 16989), (314, 17010), (324, 17058), (326, 17064), (330, 17079), (333, 17088), (335, 17100), (337, 17109), (354, 17202), (377, 17289), (381, 17319), (382, 17322), (386, 17349), (388, 17361), (401, 17415), (407, 17436), (415, 17466), (422, 17502), (462, 17628), (483, 17682), (504, 17727), (520, 17775), (530, 17817), (534, 17826), (547, 17856), (573, 17928), (575, 17934), (589, 17955), (590, 17958), (604, 17970), (655, 18087), (666, 18096), (691, 18168), (692, 18171), (707, 18207), (722, 18258), (723, 18261), (725, 18270), (767, 18453), (789, 18519), (793, 18531), (814, 18573), (835, 18636), (852, 18693), (865, 18762), (874, 18798), (887, 18879), (916, 19014), (917, 19026),

Gene: Kalnoky_28 Start: 16057, Stop: 19083, Start Num: 48
Candidate Starts for Kalnoky_28:
(40, 16003), (Start: 48 @16057 has 89 MA's), (71, 16171), (88, 16237), (90, 16240), (92, 16249), (104, 16285), (122, 16336), (148, 16408), (171, 16480), (212, 16600), (214, 16603), (225, 16672), (231, 16717), (256, 16810), (262, 16819), (278, 16864), (287, 16903), (294, 16927), (298, 16939), (306, 16972), (310, 16990), (314, 17011), (324, 17059), (326, 17065), (330, 17080), (333, 17089), (335, 17101), (337, 17110), (354, 17203), (377, 17290), (381, 17320), (382, 17323), (386, 17350), (388, 17362), (401, 17416), (407, 17437), (415, 17467), (422, 17503), (462, 17629), (483, 17683), (504, 17728), (520, 17776), (530, 17818), (534, 17827), (547, 17857), (573, 17929), (575, 17935), (589, 17956), (590, 17959), (604, 17971), (655, 18088), (666, 18097), (691, 18169), (692, 18172), (707, 18208), (722, 18259), (723, 18262), (725, 18271), (767, 18454), (789, 18520), (793, 18532), (814, 18574), (835, 18637), (852, 18694), (865, 18763), (874, 18799), (887, 18880), (916, 19015), (917, 19027),

Gene: Kalpine_29 Start: 18405, Stop: 20942, Start Num: 130
Candidate Starts for Kalpine_29:
(Start: 130 @18405 has 101 MA's), (173, 18516), (198, 18585), (247, 18750), (249, 18756), (253, 18777), (256, 18786), (274, 18831), (278, 18840), (285, 18873), (293, 18900), (298, 18915), (309, 18957), (310, 18966), (320, 19014), (323, 19032), (330, 19056), (333, 19065), (337, 19086), (340, 19107), (341, 19110), (381, 19296), (388, 19338), (394, 19356), (404, 19404), (407, 19413), (422, 19479), (432, 19518), (479, 19650), (504, 19704), (520, 19752), (542, 19824), (550, 19839), (563, 19869), (577, 19914), (590, 19935), (611, 19974), (620, 20001), (644, 20043), (671, 20085), (691, 20145), (701, 20172), (722, 20235), (734, 20280), (739, 20292), (817, 20499), (821, 20508), (826, 20517), (866, 20628), (873, 20658), (885, 20739), (886, 20742),

Gene: Kampy_25 Start: 15883, Stop: 18483, Start Num: 95
Candidate Starts for Kampy_25:
(Start: 95 @15883 has 129 MA's), (Start: 153 @16024 has 23 MA's), (Start: 163 @16042 has 10 MA's), (238, 16249), (248, 16288), (255, 16318), (290, 16435), (298, 16462), (313, 16525), (326, 16588), (337, 16633), (344, 16675), (362, 16759), (460, 17026), (490, 17077), (519, 17122), (554, 17200), (571, 17239), (581, 17260), (639, 17407), (649, 17428), (659, 17452), (680, 17518), (697, 17572), (713, 17620), (731, 17686), (767, 17851), (774, 17869), (822, 17995), (880, 18247), (881, 18250), (883, 18259), (895, 18319), (916, 18415), (921, 18463),

Gene: Kanely_25 Start: 16938, Stop: 19418, Start Num: 135
Candidate Starts for Kanely_25:
(Start: 135 @16938 has 221 MA's), (Start: 150 @16977 has 5 MA's), (171, 17040), (Start: 174 @17046 has 1 MA's), (182, 17070), (196, 17112), (284, 17319), (290, 17337), (313, 17427), (326, 17490), (333, 17514), (335, 17526), (344, 17577), (483, 17961), (538, 18063), (558, 18102), (569, 18129), (579, 18153), (625, 18282), (667, 18381), (705, 18483), (713, 18504), (718, 18516), (725, 18546), (749, 18645), (762, 18708), (834, 18927), (843, 18960), (895, 19242), (907, 19308), (911, 19329), (918, 19368), (920, 19383),

Gene: Katalie136_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Katalie136_25:
(Start: 95 @15885 has 129 MA's), (218, 16200), (230, 16227), (243, 16275), (261, 16332), (290, 16437), (294, 16452), (298, 16464), (313, 16527), (337, 16635), (340, 16656), (344, 16677), (490, 17079), (517, 17121), (519, 17124), (569, 17235), (571, 17241), (628, 17373), (639, 17409), (661, 17457), (697, 17574), (731, 17688), (767, 17853), (774, 17871), (815, 17985), (822, 17997), (851, 18087), (869, 18180), (881, 18252), (883, 18261), (895, 18321), (897, 18330), (916, 18417), (921, 18465),

Gene: KatherineG_28 Start: 16045, Stop: 18231, Start Num: 156
Candidate Starts for KatherineG_28:
(Start: 95 @15868 has 129 MA's), (Start: 99 @15877 has 4 MA's), (Start: 156 @16045 has 18 MA's), (267, 16285), (269, 16291), (289, 16360), (304, 16417), (335, 16552), (337, 16561), (344, 16603), (353, 16651), (354, 16654), (384, 16765), (387, 16783), (425, 16888), (445, 16936), (515, 17041), (541, 17101), (569, 17155), (592, 17191), (599, 17215), (602, 17224), (624, 17287), (636, 17308), (640, 17323), (654, 17347), (659, 17359), (689, 17413), (695, 17434), (709, 17464), (771, 17635), (777, 17656), (813, 17740), (887, 18043), (916, 18166), (917, 18178),

Gene: Kazan_29 Start: 16741, Stop: 18945, Start Num: 93
Candidate Starts for Kazan_29:
(41, 16582), (77, 16696), (Start: 93 @16741 has 49 MA's), (Start: 145 @16852 has 7 MA's), (147, 16858), (182, 16966), (196, 17008), (243, 17074), (273, 17167), (282, 17194), (313, 17317), (319, 17350), (339, 17440), (352, 17509), (425, 17752), (531, 17890), (623, 18010), (721, 18163), (749, 18226), (758, 18268), (789, 18367), (797, 18388), (804, 18409), (813, 18430), (830, 18481), (834, 18493), (840, 18508), (857, 18589), (873, 18667),

Gene: KekoraPapaka_24 Start: 16044, Stop: 18485, Start Num: 163
Candidate Starts for KekoraPapaka_24:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (619, 17355), (639, 17409), (659, 17454), (679, 17514), (685, 17532), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Kenmech_27 Start: 17747, Stop: 20146, Start Num: 135
Candidate Starts for Kenmech_27:
(Start: 135 @17747 has 221 MA's), (Start: 150 @17786 has 5 MA's), (171, 17849), (182, 17879), (188, 17900), (196, 17921), (202, 17933), (208, 17951), (246, 17996), (260, 18041), (313, 18239), (319, 18272), (335, 18338), (406, 18593), (413, 18614), (418, 18641), (434, 18680), (483, 18737), (514, 18767), (598, 18929), (661, 19082), (667, 19094), (675, 19109), (711, 19226), (725, 19271), (728, 19292), (730, 19295), (762, 19445), (767, 19460), (786, 19526), (804, 19568), (861, 19778), (875, 19859), (895, 19970), (911, 20057), (918, 20096), (920, 20111),

Gene: Kerberos_29 Start: 16508, Stop: 19021, Start Num: 130
Candidate Starts for Kerberos_29:
(Start: 130 @16508 has 101 MA's), (198, 16688), (199, 16691), (278, 16937), (293, 16997), (298, 17012), (305, 17042), (306, 17045), (323, 17129), (330, 17153), (336, 17177), (340, 17204), (341, 17207), (361, 17312), (381, 17393), (385, 17420), (388, 17435), (401, 17489), (407, 17510), (422, 17576), (426, 17594), (427, 17603), (462, 17702), (474, 17735), (478, 17744), (504, 17801), (511, 17816), (542, 17921), (555, 17945), (590, 18032), (604, 18044), (605, 18050), (614, 18083), (677, 18203), (722, 18332), (726, 18347), (734, 18377), (739, 18389), (746, 18425), (775, 18539), (795, 18551), (817, 18593), (882, 18800), (885, 18818), (886, 18821), (924, 19007),

Gene: Keziacharles14_25 Start: 15713, Stop: 18619, Start Num: 66
Candidate Starts for Keziacharles14_25:
(Start: 66 @15713 has 43 MA's), (69, 15725), (106, 15860), (157, 16007), (173, 16049), (178, 16070), (191, 16112), (212, 16166), (214, 16169), (258, 16379), (262, 16385), (283, 16451), (294, 16493), (298, 16505), (308, 16544), (319, 16601), (337, 16676), (340, 16697), (341, 16700), (344, 16718), (375, 16847), (381, 16886), (383, 16898), (385, 16913), (388, 16928), (396, 16958), (401, 16982), (407, 17003), (422, 17069), (432, 17108), (454, 17171), (468, 17201), (474, 17228), (483, 17249), (506, 17297), (520, 17342), (539, 17405), (544, 17417), (550, 17429), (563, 17459), (573, 17495), (575, 17501), (589, 17522), (590, 17525), (604, 17537), (622, 17594), (637, 17612), (642, 17627), (643, 17630), (671, 17675), (722, 17825), (734, 17870), (761, 17987), (767, 18011), (778, 18050), (814, 18131), (822, 18152), (847, 18227), (865, 18305), (872, 18332), (874, 18341), (899, 18491), (917, 18557),

Gene: KikiBouba_26 Start: 17196, Stop: 19667, Start Num: 135
Candidate Starts for KikiBouba_26:
(Start: 135 @17196 has 221 MA's), (Start: 150 @17235 has 5 MA's), (171, 17298), (182, 17328), (188, 17349), (196, 17370), (202, 17382), (233, 17400), (240, 17424), (260, 17490), (313, 17688), (319, 17721), (335, 17787), (396, 18042), (407, 18063), (414, 18090), (448, 18186), (478, 18216), (492, 18249), (519, 18285), (566, 18378), (572, 18399), (597, 18456), (637, 18576), (652, 18612), (667, 18642), (681, 18678), (705, 18744), (713, 18765), (725, 18807), (749, 18906), (786, 19047), (797, 19068), (841, 19203), (895, 19491), (911, 19578), (918, 19617),

Gene: Killigrew_22 Start: 15859, Stop: 18330, Start Num: 138
Candidate Starts for Killigrew_22:
(Start: 138 @15859 has 1 MA's), (Start: 144 @15874 has 1 MA's), (182, 15988), (196, 16030), (284, 16231), (290, 16249), (313, 16339), (326, 16402), (333, 16426), (335, 16438), (344, 16489), (378, 16615), (483, 16873), (538, 16975), (558, 17014), (566, 17029), (569, 17041), (579, 17065), (607, 17140), (667, 17293), (705, 17395), (713, 17416), (725, 17458), (748, 17554), (749, 17557), (762, 17620), (834, 17839), (843, 17872), (895, 18154), (907, 18220), (911, 18241), (918, 18280), (921, 18310),

Gene: Kimba_26 Start: 17215, Stop: 19761, Start Num: 91
Candidate Starts for Kimba_26:

(Start: 91 @17215 has 24 MA's), (Start: 96 @17233 has 4 MA's), (Start: 156 @17407 has 18 MA's), (159, 17416), (196, 17491), (248, 17545), (265, 17599), (270, 17614), (271, 17617), (278, 17635), (294, 17698), (298, 17710), (313, 17773), (326, 17836), (330, 17851), (333, 17860), (337, 17881), (341, 17905), (344, 17920), (364, 18007), (366, 18010), (372, 18025), (378, 18046), (380, 18058), (396, 18124), (418, 18196), (425, 18220), (454, 18301), (457, 18310), (462, 18322), (471, 18364), (513, 18421), (532, 18475), (577, 18583), (595, 18622), (647, 18763), (690, 18859), (695, 18880), (708, 18913), (721, 18946), (722, 18949), (748, 19033), (758, 19078), (759, 19081), (792, 19195), (804, 19228), (830, 19300), (842, 19336), (857, 19408), (873, 19486), (881, 19540), (886, 19564), (912, 19675),

Gene: Kimona_22 Start: 13439, Stop: 16474, Start Num: 48
Candidate Starts for Kimona_22:
(Start: 48 @13439 has 89 MA's), (87, 13607), (90, 13619), (104, 13670), (171, 13862), (214, 13985), (225, 14054), (234, 14105), (266, 14216), (278, 14249), (293, 14309), (298, 14324), (306, 14357), (328, 14453), (333, 14474), (334, 14480), (337, 14495), (344, 14537), (354, 14588), (356, 14600), (363, 14630), (381, 14705), (385, 14732), (388, 14747), (401, 14801), (407, 14822), (420, 14879), (422, 14888), (427, 14915), (428, 14918), (436, 14939), (447, 14972), (468, 15020), (498, 15104), (511, 15128), (515, 15146), (520, 15161), (534, 15212), (539, 15224), (540, 15227), (547, 15242), (549, 15245), (555, 15257), (563, 15278), (564, 15281), (573, 15314), (575, 15320), (589, 15341), (590, 15344), (607, 15365), (633, 15428), (671, 15494), (711, 15611), (730, 15680), (749, 15749), (757, 15794), (761, 15815), (767, 15839), (774, 15857), (789, 15905), (793, 15917), (814, 15959), (818, 15971), (833, 16019), (874, 16190), (885, 16262), (887, 16271), (900, 16343), (918, 16424), (921, 16454),

Gene: KingCyrus_28 Start: 17023, Stop: 19566, Start Num: 130
Candidate Starts for KingCyrus_28:
(Start: 130 @17023 has 101 MA's), (197, 17200), (198, 17203), (199, 17206), (246, 17371), (249, 17380), (253, 17401), (256, 17410), (266, 17431), (278, 17464), (285, 17497), (298, 17539), (310, 17590), (319, 17635), (320, 17638), (323, 17656), (333, 17689), (335, 17701), (337, 17710), (340, 17731), (341, 17734), (381, 17920), (388, 17962), (391, 17971), (394, 17980), (407, 18037), (422, 18103), (432, 18142), (468, 18235), (478, 18271), (504, 18328), (524, 18394), (534, 18427), (540, 18442), (542, 18448), (547, 18457), (555, 18472), (563, 18493), (568, 18514), (575, 18535), (577, 18538), (589, 18556), (590, 18559), (611, 18598), (614, 18610), (644, 18667), (653, 18685), (671, 18709), (691, 18769), (701, 18796), (722, 18859), (766, 19042), (817, 19123), (821, 19132), (826, 19141), (866, 19252), (873, 19282), (886, 19366),

Gene: Kingmustik0402_25 Start: 15877, Stop: 18477, Start Num: 95
Candidate Starts for Kingmustik0402_25:
(Start: 95 @15877 has 129 MA's), (Start: 153 @16018 has 23 MA's), (Start: 163 @16036 has 10 MA's), (238, 16243), (248, 16282), (255, 16312), (282, 16396), (290, 16429), (298, 16456), (313, 16519), (326, 16582), (337, 16627), (344, 16669), (362, 16753), (460, 17020), (490, 17071), (519, 17116), (554, 17194), (571, 17233), (639, 17401), (649, 17422), (659, 17446), (680, 17512), (697, 17566), (713, 17614), (731, 17680), (767, 17845), (774, 17863), (822, 17989), (880, 18241), (881, 18244), (883, 18253), (895, 18313), (916, 18409), (921, 18457),

Gene: Kinmap_25 Start: 16407, Stop: 18590, Start Num: 123
Candidate Starts for Kinmap_25:
(Start: 123 @16407 has 3 MA's), (136, 16425), (182, 16560), (261, 16725), (267, 16743), (313, 16911), (319, 16944), (333, 16998), (335, 17010), (339, 17034), (362, 17145), (433, 17328), (553, 17502), (561, 17520), (603, 17583), (684, 17760), (719, 17826), (721, 17835), (749, 17898), (777, 18012), (779, 18015), (789, 18039), (797, 18060), (808, 18090), (813, 18102), (882, 18369), (886, 18390), (895, 18435), (916, 18519),

Gene: Kipper29_29 Start: 16735, Stop: 18939, Start Num: 93
Candidate Starts for Kipper29_29:
(41, 16576), (77, 16690), (Start: 93 @16735 has 49 MA's), (Start: 145 @16846 has 7 MA's), (147, 16852), (182, 16960), (196, 17002), (243, 17068), (273, 17161), (282, 17188), (313, 17311), (319, 17344), (339, 17434), (352, 17503), (425, 17746), (531, 17884), (623, 18004), (721, 18157), (749, 18220), (758, 18262), (789, 18361), (797, 18382), (804, 18403), (813, 18424), (830, 18475), (834, 18487), (840, 18502), (857, 18583), (873, 18661),

Gene: KittenMittens_24 Start: 13965, Stop: 16520, Start Num: 163
Candidate Starts for KittenMittens_24:
(Start: 95 @13788 has 129 MA's), (Start: 163 @13965 has 10 MA's), (188, 14040), (192, 14052), (251, 14214), (259, 14235), (263, 14247), (272, 14277), (280, 14310), (291, 14355), (297, 14373), (300, 14388), (301, 14397), (308, 14418), (327, 14523), (335, 14565), (370, 14730), (411, 14892), (416, 14919), (510, 15096), (523, 15141), (552, 15216), (570, 15264), (571, 15267), (581, 15288), (582, 15291), (602, 15336), (630, 15411), (631, 15414), (637, 15435), (646, 15459), (672, 15525), (680, 15555), (685, 15567), (701, 15621), (711, 15654), (718, 15669), (731, 15723), (749, 15798), (763, 15876), (767, 15888), (774, 15906), (785, 15945), (790, 15957), (794, 15969), (812, 16011), (815, 16023), (822, 16035), (827, 16050), (836, 16071), (838, 16083), (883, 16296), (895, 16356), (902, 16401), (916, 16452), (921, 16500),

Gene: Klodlith_26 Start: 15553, Stop: 18648, Start Num: 29
Candidate Starts for Klodlith_26:
(Start: 29 @15553 has 1 MA's), (49, 15655), (Start: 66 @15742 has 43 MA's), (69, 15754), (106, 15886), (112, 15907), (119, 15928), (Start: 138 @15970 has 1 MA's), (143, 15982), (157, 16033), (178, 16096), (191, 16138), (214, 16195), (222, 16234), (258, 16405), (262, 16411), (293, 16516), (298, 16531), (308, 16570), (309, 16573), (323, 16648), (324, 16651), (337, 16702), (340, 16723), (341, 16726), (344, 16744), (381, 16912), (385, 16939), (388, 16954), (401, 17008), (407, 17029), (421, 17092), (422, 17095), (432, 17134), (468, 17227), (474, 17254), (520, 17368), (522, 17377), (535, 17422), (547, 17449), (563, 17485), (568, 17506), (573, 17521), (589, 17548), (590, 17551), (607, 17572), (615, 17605), (649, 17665), (671, 17701), (722, 17851), (734, 17896), (747, 17947), (761, 18013), (767, 18037), (774, 18055), (778, 18076), (785, 18094), (803, 18124), (814, 18157), (822, 18178), (831, 18208), (847, 18259), (865, 18337), (874, 18373), (881, 18424), (886, 18448), (899, 18523), (917, 18589), (922, 18631),

Gene: Koan_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Koan_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (282, 16404), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (613, 17337), (615, 17346), (639, 17409), (649, 17430), (661, 17457), (679, 17514), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Koduck_27 Start: 15783, Stop: 18296, Start Num: 130
Candidate Starts for Koduck_27:
(Start: 130 @15783 has 101 MA's), (197, 15960), (198, 15963), (199, 15966), (253, 16152), (256, 16161), (262, 16170), (298, 16290), (310, 16341), (324, 16410), (326, 16416), (330, 16431), (335, 16452), (337, 16461), (381, 16671), (388, 16713), (401, 16767), (407, 16788), (420, 16845), (422, 16854), (426, 16872), (427, 16881), (462, 16980), (483, 17034), (504, 17079), (511, 17094), (520, 17127), (539, 17190), (555, 17223), (563, 17244), (590, 17310), (601, 17316), (614, 17361), (618, 17370), (666, 17448), (691, 17520), (701, 17547), (722, 17610), (734, 17655), (739, 17667), (746, 17703), (757, 17751), (775, 17817), (821, 17880), (876, 18057), (881, 18075), (882, 18078), (886,

18099),

Gene: Koko_29 Start: 16749, Stop: 19274, Start Num: 130
Candidate Starts for Koko_29:
(Start: 130 @16749 has 101 MA's), (Start: 138 @16767 has 1 MA's), (173, 16860), (193, 16917), (226, 17025), (293, 17241), (309, 17298), (310, 17307), (333, 17406), (337, 17427), (341, 17451), (355, 17529), (356, 17532), (385, 17664), (388, 17679), (421, 17817), (422, 17820), (426, 17838), (427, 17847), (442, 17895), (511, 18060), (516, 18087), (542, 18165), (563, 18210), (589, 18273), (601, 18282), (610, 18306), (614, 18327), (699, 18510), (701, 18513), (722, 18576), (739, 18633), (746, 18669), (817, 18840), (866, 18969), (873, 18999),

Gene: Koreni_24 Start: 15531, Stop: 18131, Start Num: 95
Candidate Starts for Koreni_24:
(Start: 95 @15531 has 129 MA's), (Start: 153 @15672 has 23 MA's), (Start: 163 @15690 has 10 MA's), (238, 15897), (248, 15936), (255, 15966), (290, 16083), (298, 16110), (313, 16173), (326, 16236), (337, 16281), (344, 16323), (362, 16407), (460, 16674), (490, 16725), (519, 16770), (554, 16848), (569, 16881), (571, 16887), (613, 16983), (615, 16992), (639, 17055), (649, 17076), (659, 17100), (680, 17166), (697, 17220), (713, 17268), (731, 17334), (767, 17499), (774, 17517), (822, 17643), (880, 17895), (881, 17898), (883, 17907), (895, 17967), (916, 18063), (921, 18111),

Gene: Kratark_25 Start: 15880, Stop: 18480, Start Num: 95
Candidate Starts for Kratark_25:
(Start: 95 @15880 has 129 MA's), (Start: 153 @16021 has 23 MA's), (Start: 163 @16039 has 10 MA's), (238, 16246), (248, 16285), (255, 16315), (298, 16459), (313, 16522), (326, 16585), (337, 16630), (344, 16672), (362, 16756), (460, 17023), (490, 17074), (519, 17119), (554, 17197), (569, 17230), (571, 17236), (619, 17350), (639, 17404), (659, 17449), (679, 17509), (697, 17569), (731, 17683), (767, 17848), (774, 17866), (822, 17992), (880, 18244), (881, 18247), (883, 18256), (895, 18316), (916, 18412), (921, 18460),

Gene: Kremtemulon_25 Start: 15933, Stop: 18533, Start Num: 95
Candidate Starts for Kremtemulon_25:
(Start: 95 @15933 has 129 MA's), (Start: 153 @16074 has 23 MA's), (Start: 163 @16092 has 10 MA's), (238, 16299), (248, 16338), (255, 16368), (290, 16485), (298, 16512), (313, 16575), (326, 16638), (337, 16683), (344, 16725), (362, 16809), (460, 17076), (490, 17127), (519, 17172), (554, 17250), (571, 17289), (581, 17310), (613, 17385), (615, 17394), (639, 17457), (649, 17478), (661, 17505), (679, 17562), (680, 17568), (697, 17622), (713, 17670), (731, 17736), (767, 17901), (774, 17919), (822, 18045), (880, 18297), (881, 18300), (883, 18309), (895, 18369), (916, 18465), (921, 18513),

Gene: Kristoff_26 Start: 15879, Stop: 18620, Start Num: 95
Candidate Starts for Kristoff_26:
(Start: 95 @15879 has 129 MA's), (Start: 163 @16056 has 10 MA's), (173, 16077), (189, 16134), (207, 16182), (217, 16209), (232, 16248), (240, 16278), (251, 16320), (263, 16353), (266, 16362), (279, 16413), (280, 16416), (297, 16479), (300, 16494), (305, 16515), (308, 16524), (327, 16629), (335, 16671), (416, 17025), (510, 17193), (552, 17313), (569, 17358), (570, 17361), (571, 17364), (581, 17385), (582, 17388), (602, 17433), (639, 17541), (649, 17562), (654, 17574), (672, 17622), (681, 17655), (701, 17718), (725, 17796), (731, 17820), (749, 17895), (761, 17961), (767, 17985), (774, 18003), (794, 18069), (807, 18099), (815, 18123), (822, 18135), (827, 18150), (836, 18171), (838, 18183), (883, 18396), (891, 18432), (894, 18453), (895, 18456), (916, 18552), (921, 18600),

Gene: Kugel_25 Start: 16511, Stop: 18991, Start Num: 135
Candidate Starts for Kugel_25:

(Start: 135 @16511 has 221 MA's), (Start: 150 @16550 has 5 MA's), (171, 16613), (182, 16643), (196, 16685), (284, 16892), (290, 16910), (313, 17000), (326, 17063), (333, 17087), (335, 17099), (344, 17150), (483, 17534), (538, 17636), (558, 17675), (569, 17702), (579, 17726), (625, 17855), (667, 17954), (705, 18056), (713, 18077), (718, 18089), (725, 18119), (749, 18218), (762, 18281), (834, 18500), (843, 18533), (895, 18815), (911, 18902), (918, 18941), (920, 18956),

Gene: KyMonks1A_26 Start: 16677, Stop: 19157, Start Num: 135
Candidate Starts for KyMonks1A_26:
(Start: 135 @16677 has 221 MA's), (Start: 150 @16716 has 5 MA's), (171, 16779), (182, 16809), (196, 16851), (284, 17058), (290, 17076), (313, 17166), (326, 17229), (333, 17253), (335, 17265), (344, 17316), (483, 17700), (538, 17802), (558, 17841), (569, 17868), (579, 17892), (625, 18021), (667, 18120), (705, 18222), (713, 18243), (718, 18255), (725, 18285), (749, 18384), (762, 18447), (834, 18666), (843, 18699), (895, 18981), (911, 19068), (918, 19107), (920, 19122),

Gene: Kyee_25 Start: 15886, Stop: 18486, Start Num: 95
Candidate Starts for Kyee_25:
(Start: 95 @15886 has 129 MA's), (Start: 153 @16027 has 23 MA's), (Start: 163 @16045 has 10 MA's), (238, 16252), (248, 16291), (255, 16321), (290, 16438), (298, 16465), (313, 16528), (326, 16591), (337, 16636), (344, 16678), (362, 16762), (460, 17029), (490, 17080), (519, 17125), (554, 17203), (571, 17242), (619, 17356), (639, 17410), (659, 17455), (679, 17515), (685, 17533), (697, 17575), (713, 17623), (731, 17689), (767, 17854), (774, 17872), (822, 17998), (880, 18250), (881, 18253), (883, 18262), (895, 18322), (916, 18418), (921, 18466),

Gene: Kykar_22 Start: 15947, Stop: 18526, Start Num: 135
Candidate Starts for Kykar_22:
(Start: 135 @15947 has 221 MA's), (Start: 150 @15986 has 5 MA's), (171, 16049), (182, 16079), (275, 16298), (285, 16334), (326, 16502), (337, 16547), (341, 16571), (344, 16589), (433, 16901), (501, 17057), (536, 17159), (551, 17192), (581, 17264), (597, 17303), (625, 17390), (667, 17489), (705, 17591), (713, 17612), (718, 17624), (725, 17654), (749, 17753), (762, 17816), (834, 18035), (843, 18068), (895, 18350), (911, 18437), (918, 18476), (920, 18491),

Gene: L5_26 Start: 15794, Stop: 18307, Start Num: 130
Candidate Starts for L5_26:
(Start: 130 @15794 has 101 MA's), (197, 15971), (198, 15974), (199, 15977), (278, 16226), (298, 16301), (319, 16397), (323, 16418), (333, 16451), (336, 16466), (337, 16472), (340, 16493), (355, 16574), (381, 16682), (385, 16709), (388, 16724), (401, 16778), (407, 16799), (422, 16865), (462, 16991), (483, 17045), (504, 17090), (511, 17105), (520, 17138), (539, 17201), (555, 17234), (563, 17255), (590, 17321), (601, 17327), (614, 17372), (618, 17381), (666, 17459), (691, 17531), (701, 17558), (722, 17621), (734, 17666), (739, 17678), (746, 17714), (757, 17762), (775, 17828), (821, 17891), (876, 18068), (881, 18086), (882, 18089), (886, 18110),

Gene: LBerry_27 Start: 15979, Stop: 19005, Start Num: 48
Candidate Starts for LBerry_27:
(40, 15925), (Start: 48 @15979 has 89 MA's), (71, 16093), (88, 16159), (90, 16162), (92, 16171), (104, 16207), (122, 16258), (148, 16330), (171, 16402), (212, 16522), (214, 16525), (225, 16594), (231, 16639), (256, 16732), (262, 16741), (268, 16759), (278, 16786), (294, 16849), (298, 16861), (306, 16894), (310, 16912), (323, 16978), (324, 16981), (326, 16987), (330, 17002), (333, 17011), (335, 17023), (337, 17032), (350, 17110), (354, 17125), (381, 17242), (382, 17245), (386, 17272), (388, 17284), (401, 17338), (407, 17359), (422, 17425), (432, 17464), (468, 17557), (483, 17605), (504, 17650), (520, 17698), (530, 17740), (534, 17749), (547, 17779), (549, 17782), (555, 17794), (573, 17851), (575, 17857), (589, 17878), (590, 17881), (666, 18019), (671, 18031), (691, 18091), (711, 18148), (749, 18286), (753, 18307), (757, 18331), (767, 18376), (774, 18394), (789, 18442), (793, 18454), (814, 18496), (852, 18616), (865, 18685), (874, 18721), (887, 18802), (916, 18937),

Gene: LHTSCC_26 Start: 16337, Stop: 18796, Start Num: 153
Candidate Starts for LHTSCC_26:
(Start: 95 @16196 has 129 MA's), (Start: 153 @16337 has 23 MA's), (Start: 163 @16355 has 10 MA's), (218, 16511), (238, 16562), (255, 16631), (290, 16748), (298, 16775), (313, 16838), (326, 16901), (337, 16946), (344, 16988), (362, 17072), (423, 17279), (460, 17339), (490, 17390), (519, 17435), (554, 17513), (569, 17546), (571, 17552), (639, 17720), (649, 17741), (659, 17765), (679, 17825), (680, 17831), (681, 17834), (697, 17885), (713, 17933), (731, 17999), (767, 18164), (774, 18182), (822, 18308), (880, 18560), (881, 18563), (883, 18572), (894, 18629), (895, 18632), (902, 18677), (916, 18728), (921, 18776),

Gene: LadyBird_26 Start: 16593, Stop: 19130, Start Num: 130
Candidate Starts for LadyBird_26:
(Start: 130 @16593 has 101 MA's), (198, 16773), (199, 16776), (219, 16824), (246, 16935), (249, 16944), (253, 16965), (256, 16974), (262, 16983), (278, 17028), (285, 17061), (310, 17154), (320, 17202), (323, 17220), (328, 17232), (333, 17253), (337, 17274), (340, 17295), (341, 17298), (381, 17484), (388, 17526), (391, 17535), (394, 17544), (407, 17601), (422, 17667), (432, 17706), (462, 17793), (504, 17892), (542, 18012), (547, 18021), (550, 18027), (555, 18036), (563, 18057), (569, 18081), (577, 18102), (590, 18123), (601, 18129), (611, 18162), (614, 18174), (644, 18231), (691, 18333), (701, 18360), (711, 18390), (722, 18423), (739, 18480), (750, 18522), (757, 18564), (817, 18687), (821, 18696), (826, 18705), (866, 18816), (873, 18846), (879, 18900), (886, 18930),

Gene: Lambert1_26 Start: 16043, Stop: 19081, Start Num: 47
Candidate Starts for Lambert1_26:
(Start: 47 @16043 has 37 MA's), (87, 16217), (90, 16229), (Start: 99 @16262 has 4 MA's), (171, 16469), (177, 16490), (212, 16589), (214, 16592), (256, 16802), (266, 16823), (278, 16856), (294, 16919), (298, 16931), (306, 16964), (310, 16982), (314, 17003), (324, 17051), (326, 17057), (330, 17072), (333, 17081), (335, 17093), (337, 17102), (354, 17195), (381, 17312), (382, 17315), (386, 17342), (388, 17354), (401, 17408), (407, 17429), (422, 17495), (432, 17534), (483, 17675), (504, 17720), (530, 17810), (534, 17819), (547, 17849), (568, 17906), (573, 17921), (589, 17948), (590, 17951), (605, 17969), (655, 18080), (691, 18161), (711, 18218), (724, 18260), (749, 18356), (753, 18377), (757, 18401), (767, 18446), (774, 18464), (789, 18512), (793, 18524), (814, 18566), (818, 18578), (833, 18626), (874, 18797), (883, 18857), (885, 18869), (892, 18896), (895, 18917), (916, 19013), (921, 19061),

Gene: Lamina13_24 Start: 15957, Stop: 18428, Start Num: 135
Candidate Starts for Lamina13_24:
(Start: 135 @15957 has 221 MA's), (Start: 150 @15996 has 5 MA's), (171, 16059), (Start: 174 @16065 has 1 MA's), (182, 16089), (188, 16110), (196, 16131), (233, 16161), (240, 16185), (260, 16251), (313, 16449), (319, 16482), (335, 16548), (396, 16803), (407, 16824), (414, 16851), (492, 17010), (519, 17046), (566, 17139), (572, 17160), (597, 17217), (637, 17337), (652, 17373), (667, 17403), (681, 17439), (705, 17505), (713, 17526), (749, 17667), (786, 17808), (797, 17829), (841, 17964), (895, 18252), (911, 18339), (918, 18378), (921, 18408),

Gene: Landor_27 Start: 18370, Stop: 20748, Start Num: 150
Candidate Starts for Landor_27:
(Start: 145 @18352 has 7 MA's), (Start: 150 @18370 has 5 MA's), (160, 18403), (165, 18409), (201, 18505), (217, 18547), (242, 18610), (243, 18613), (272, 18703), (275, 18715), (276, 18718), (283, 18748), (284, 18757), (295, 18793), (298, 18802), (313, 18865), (319, 18898), (330, 18943), (335, 18964), (337, 18973), (356, 19078), (397, 19219), (471, 19387), (478, 19393), (521, 19465), (596, 19633), (601, 19651), (661, 19807), (685, 19861), (702, 19897), (720, 19948), (737, 20008), (743, 20041), (744, 20053), (753, 20086), (754, 20089), (798, 20227), (803, 20239), (820, 20281), (836, 20317), (838, 20329), (840, 20335), (885, 20545),

Gene: LappelDuVide_25 Start: 16023, Stop: 18482, Start Num: 153
Candidate Starts for LappelDuVide_25:
(Start: 95 @15882 has 129 MA's), (Start: 153 @16023 has 23 MA's), (Start: 163 @16041 has 10 MA's), (238, 16248), (248, 16287), (255, 16317), (290, 16434), (298, 16461), (313, 16524), (326, 16587), (337, 16632), (344, 16674), (362, 16758), (460, 17025), (490, 17076), (519, 17121), (554, 17199), (571, 17238), (581, 17259), (639, 17406), (649, 17427), (659, 17451), (679, 17511), (680, 17517), (681, 17520), (697, 17571), (713, 17619), (731, 17685), (767, 17850), (774, 17868), (822, 17994), (880, 18246), (881, 18249), (883, 18258), (895, 18318), (916, 18414), (921, 18462),

Gene: Larenn_27 Start: 16894, Stop: 19434, Start Num: 130
Candidate Starts for Larenn_27:
(Start: 130 @16894 has 101 MA's), (198, 17074), (247, 17239), (249, 17245), (253, 17266), (256, 17275), (278, 17329), (281, 17341), (285, 17362), (298, 17404), (314, 17476), (330, 17548), (333, 17557), (337, 17578), (340, 17599), (341, 17602), (344, 17620), (355, 17680), (361, 17707), (381, 17788), (388, 17830), (391, 17839), (394, 17848), (395, 17851), (401, 17884), (404, 17896), (407, 17905), (421, 17968), (422, 17971), (427, 17998), (432, 18010), (518, 18241), (534, 18295), (539, 18307), (542, 18316), (550, 18331), (563, 18361), (569, 18385), (572, 18394), (573, 18397), (589, 18424), (604, 18439), (611, 18466), (618, 18487), (620, 18493), (671, 18577), (691, 18637), (701, 18664), (722, 18727), (766, 18910), (773, 18922), (817, 18991), (821, 19000), (826, 19009), (866, 19120), (873, 19150), (879, 19204), (886, 19234), (924, 19420),

Gene: LarryKay_27 Start: 16065, Stop: 19091, Start Num: 48
Candidate Starts for LarryKay_27:
(40, 16011), (Start: 48 @16065 has 89 MA's), (71, 16179), (88, 16245), (90, 16248), (92, 16257), (104, 16293), (122, 16344), (148, 16416), (171, 16488), (212, 16608), (214, 16611), (225, 16680), (231, 16725), (256, 16818), (262, 16827), (268, 16845), (278, 16872), (294, 16935), (298, 16947), (306, 16980), (310, 16998), (323, 17064), (324, 17067), (326, 17073), (330, 17088), (333, 17097), (335, 17109), (337, 17118), (350, 17196), (354, 17211), (381, 17328), (382, 17331), (386, 17358), (388, 17370), (401, 17424), (407, 17445), (422, 17511), (432, 17550), (468, 17643), (483, 17691), (504, 17736), (520, 17784), (530, 17826), (534, 17835), (547, 17865), (549, 17868), (555, 17880), (573, 17937), (575, 17943), (589, 17964), (590, 17967), (666, 18105), (671, 18117), (691, 18177), (711, 18234), (749, 18372), (753, 18393), (757, 18417), (767, 18462), (774, 18480), (789, 18528), (793, 18540), (814, 18582), (835, 18645), (852, 18702), (865, 18771), (874, 18807), (887, 18888), (916, 19023),

Gene: LastResort_28 Start: 15923, Stop: 18112, Start Num: 156
Candidate Starts for LastResort_28:
(Start: 95 @15746 has 129 MA's), (Start: 99 @15755 has 4 MA's), (Start: 156 @15923 has 18 MA's), (267, 16166), (269, 16172), (289, 16241), (304, 16298), (337, 16442), (344, 16484), (353, 16532), (354, 16535), (384, 16646), (387, 16664), (425, 16769), (445, 16817), (515, 16922), (541, 16982), (569, 17036), (592, 17072), (599, 17096), (602, 17105), (624, 17168), (636, 17189), (640, 17204), (654, 17228), (659, 17240), (689, 17294), (695, 17315), (709, 17345), (771, 17516), (777, 17537), (813, 17621), (887, 17924), (916, 18047), (917, 18059),

Gene: Lemur_25 Start: 15882, Stop: 18482, Start Num: 95
Candidate Starts for Lemur_25:
(Start: 95 @15882 has 129 MA's), (Start: 153 @16023 has 23 MA's), (Start: 163 @16041 has 10 MA's), (238, 16248), (248, 16287), (255, 16317), (282, 16401), (290, 16434), (298, 16461), (313, 16524), (326, 16587), (337, 16632), (344, 16674), (362, 16758), (460, 17025), (490, 17076), (519, 17121), (554, 17199), (569, 17232), (571, 17238), (639, 17406), (649, 17427), (659, 17451), (680, 17517), (697, 17571), (713, 17619), (731, 17685), (767, 17850), (774, 17868), (822, 17994), (880, 18246), (881, 18249), (883, 18258), (895, 18318), (916, 18414), (921, 18462),

Gene: LeoAvram_25 Start: 16041, Stop: 18482, Start Num: 163
Candidate Starts for LeoAvram_25:
(Start: 95 @15882 has 129 MA's), (Start: 153 @16023 has 23 MA's), (Start: 163 @16041 has 10 MA's), (238, 16248), (248, 16287), (255, 16317), (290, 16434), (298, 16461), (313, 16524), (326, 16587), (337, 16632), (344, 16674), (362, 16758), (460, 17025), (490, 17076), (519, 17121), (554, 17199), (569, 17232), (571, 17238), (639, 17406), (649, 17427), (659, 17451), (679, 17511), (680, 17517), (681, 17520), (697, 17571), (713, 17619), (731, 17685), (767, 17850), (774, 17868), (822, 17994), (880, 18246), (881, 18249), (883, 18258), (895, 18318), (916, 18414), (921, 18462),

Gene: Leogania_28 Start: 18765, Stop: 21302, Start Num: 130
Candidate Starts for Leogania_28:
(Start: 130 @18765 has 101 MA's), (198, 18945), (199, 18948), (219, 18996), (249, 19116), (253, 19137), (256, 19146), (266, 19167), (278, 19200), (285, 19233), (298, 19275), (309, 19317), (310, 19326), (320, 19374), (323, 19392), (333, 19425), (335, 19437), (337, 19446), (338, 19458), (340, 19467), (381, 19656), (385, 19683), (388, 19698), (401, 19752), (407, 19773), (422, 19839), (432, 19878), (462, 19965), (542, 20184), (550, 20199), (563, 20229), (568, 20250), (569, 20253), (573, 20265), (589, 20292), (611, 20334), (620, 20361), (644, 20403), (666, 20433), (691, 20505), (701, 20532), (722, 20595), (734, 20640), (739, 20652), (773, 20790), (817, 20859), (821, 20868), (826, 20877), (866, 20988), (873, 21018), (879, 21072), (886, 21102),

Gene: Lesedi_23 Start: 16115, Stop: 18586, Start Num: 135
Candidate Starts for Lesedi_23:
(Start: 135 @16115 has 221 MA's), (Start: 150 @16154 has 5 MA's), (171, 16217), (182, 16247), (188, 16268), (196, 16289), (202, 16301), (233, 16319), (246, 16364), (260, 16409), (313, 16607), (319, 16640), (335, 16706), (396, 16961), (407, 16982), (414, 17009), (492, 17168), (519, 17204), (566, 17297), (572, 17318), (597, 17375), (637, 17495), (652, 17531), (667, 17561), (681, 17597), (705, 17663), (713, 17684), (749, 17825), (786, 17966), (797, 17987), (841, 18122), (875, 18299), (895, 18410), (911, 18497), (918, 18536), (920, 18551),

Gene: Lev2_22 Start: 15062, Stop: 18403, Start Num: 1
Candidate Starts for Lev2_22:
(Start: 1 @15062 has 40 MA's), (19, 15500), (Start: 95 @15812 has 129 MA's), (118, 15890), (131, 15920), (152, 15977), (202, 16124), (204, 16130), (206, 16136), (269, 16262), (273, 16274), (313, 16424), (320, 16460), (326, 16490), (330, 16505), (337, 16535), (338, 16547), (343, 16571), (356, 16640), (379, 16706), (425, 16862), (457, 16931), (458, 16934), (472, 16961), (485, 16985), (543, 17123), (556, 17144), (572, 17189), (593, 17231), (672, 17423), (680, 17453), (690, 17477), (693, 17489), (699, 17510), (716, 17552), (740, 17639), (749, 17675), (753, 17696), (758, 17717), (781, 17795), (789, 17816), (797, 17837), (804, 17858), (813, 17879), (822, 17903), (842, 17966), (863, 18059), (866, 18077), (880, 18158), (883, 18170), (885, 18182), (887, 18191), (898, 18245), (915, 18329), (916, 18338),

Gene: Levia_24 Start: 17126, Stop: 19597, Start Num: 135
Candidate Starts for Levia_24:
(Start: 135 @17126 has 221 MA's), (Start: 150 @17165 has 5 MA's), (171, 17228), (182, 17258), (188, 17279), (196, 17300), (233, 17330), (240, 17354), (260, 17420), (313, 17618), (319, 17651), (335, 17717), (396, 17972), (407, 17993), (414, 18020), (492, 18179), (519, 18215), (566, 18308), (572, 18329), (597, 18386), (637, 18506), (652, 18542), (667, 18572), (681, 18608), (705, 18674), (713, 18695), (749, 18836), (786, 18977), (797, 18998), (841, 19133), (875, 19310), (895, 19421), (907, 19487), (911, 19508), (918, 19547), (920, 19562),

Gene: Leviathan_28 Start: 17112, Stop: 19655, Start Num: 130
Candidate Starts for Leviathan_28:

(Start: 130 @17112 has 101 MA's), (198, 17292), (199, 17295), (211, 17325), (247, 17463), (249, 17469), (253, 17490), (256, 17499), (262, 17508), (266, 17520), (281, 17565), (285, 17586), (298, 17628), (310, 17679), (319, 17724), (320, 17727), (323, 17745), (333, 17778), (335, 17790), (337, 17799), (340, 17820), (341, 17823), (381, 18009), (388, 18051), (391, 18060), (394, 18069), (407, 18126), (422, 18192), (432, 18231), (478, 18360), (504, 18417), (524, 18483), (534, 18516), (540, 18531), (542, 18537), (547, 18546), (555, 18561), (563, 18582), (568, 18603), (575, 18624), (577, 18627), (589, 18645), (590, 18648), (614, 18699), (644, 18756), (653, 18774), (671, 18798), (691, 18858), (701, 18885), (722, 18948), (734, 18993), (766, 19131), (821, 19221), (826, 19230), (846, 19254), (866, 19341), (873, 19371), (886, 19455),

Gene: Licorice_26 Start: 17366, Stop: 19837, Start Num: 135
Candidate Starts for Licorice_26:
(Start: 135 @17366 has 221 MA's), (Start: 150 @17405 has 5 MA's), (171, 17468), (182, 17498), (188, 17519), (196, 17540), (202, 17552), (233, 17570), (240, 17594), (260, 17660), (269, 17687), (313, 17858), (319, 17891), (335, 17957), (396, 18212), (407, 18233), (414, 18260), (423, 18299), (448, 18356), (478, 18386), (492, 18419), (519, 18455), (566, 18548), (572, 18569), (597, 18626), (637, 18746), (652, 18782), (667, 18812), (681, 18848), (705, 18914), (713, 18935), (725, 18977), (749, 19076), (786, 19217), (797, 19238), (861, 19469), (875, 19550), (895, 19661), (911, 19748), (918, 19787), (921, 19817),

Gene: LilBib_25 Start: 17203, Stop: 20028, Start Num: 135
Candidate Starts for LilBib_25:
(Start: 135 @17203 has 221 MA's), (159, 17275), (257, 17518), (262, 17533), (276, 17578), (303, 17698), (307, 17716), (315, 17764), (323, 17809), (335, 17854), (336, 17857), (344, 17905), (385, 18079), (392, 18106), (412, 18190), (425, 18247), (431, 18265), (443, 18310), (455, 18346), (465, 18406), (479, 18454), (503, 18517), (505, 18520), (531, 18613), (538, 18637), (556, 18673), (566, 18700), (569, 18712), (575, 18730), (583, 18745), (604, 18808), (645, 18937), (664, 18982), (674, 19015), (678, 19027), (722, 19156), (745, 19252), (766, 19339), (767, 19342), (774, 19360), (841, 19564), (875, 19741), (895, 19852), (911, 19939), (918, 19978), (920, 19993),

Gene: LilTurb_28 Start: 17115, Stop: 19658, Start Num: 130
Candidate Starts for LilTurb_28:
(Start: 130 @17115 has 101 MA's), (198, 17295), (199, 17298), (247, 17466), (249, 17472), (253, 17493), (256, 17502), (262, 17511), (266, 17523), (281, 17568), (285, 17589), (298, 17631), (310, 17682), (319, 17727), (320, 17730), (323, 17748), (333, 17781), (335, 17793), (337, 17802), (340, 17823), (341, 17826), (381, 18012), (388, 18054), (391, 18063), (394, 18072), (407, 18129), (422, 18195), (432, 18234), (468, 18327), (478, 18363), (504, 18420), (524, 18486), (534, 18519), (540, 18534), (542, 18540), (547, 18549), (555, 18564), (563, 18585), (568, 18606), (575, 18627), (577, 18630), (589, 18648), (590, 18651), (611, 18690), (614, 18702), (644, 18759), (653, 18777), (671, 18801), (691, 18861), (701, 18888), (722, 18951), (734, 18996), (766, 19134), (821, 19224), (826, 19233), (846, 19257), (866, 19344), (873, 19374), (886, 19458),

Gene: Lilbunny_29 Start: 16715, Stop: 18931, Start Num: 93
Candidate Starts for Lilbunny_29:
(77, 16670), (Start: 93 @16715 has 49 MA's), (Start: 145 @16826 has 7 MA's), (196, 16982), (269, 17129), (273, 17141), (312, 17288), (313, 17291), (319, 17324), (339, 17414), (352, 17483), (375, 17558), (425, 17726), (623, 17984), (656, 18029), (721, 18137), (749, 18200), (758, 18242), (789, 18341), (797, 18362), (813, 18404), (830, 18455), (840, 18482), (857, 18563), (873, 18653),

Gene: Lilith_27 Start: 15972, Stop: 18998, Start Num: 48
Candidate Starts for Lilith_27:
(40, 15918), (Start: 48 @15972 has 89 MA's), (71, 16086), (88, 16152), (90, 16155), (92, 16164), (104, 16200), (122, 16251), (148, 16323), (171, 16395), (212, 16515), (214, 16518), (225, 16587), (231,

16632), (256, 16725), (262, 16734), (268, 16752), (278, 16779), (294, 16842), (298, 16854), (306, 16887), (310, 16905), (323, 16971), (324, 16974), (326, 16980), (330, 16995), (333, 17004), (335, 17016), (337, 17025), (354, 17118), (381, 17235), (382, 17238), (386, 17265), (388, 17277), (401, 17331), (407, 17352), (422, 17418), (427, 17445), (468, 17550), (483, 17598), (504, 17643), (520, 17691), (530, 17733), (534, 17742), (547, 17772), (549, 17775), (555, 17787), (573, 17844), (575, 17850), (589, 17871), (590, 17874), (666, 18012), (671, 18024), (691, 18084), (713, 18144), (722, 18174), (723, 18177), (725, 18186), (749, 18279), (767, 18369), (789, 18435), (793, 18447), (814, 18489), (835, 18552), (852, 18609), (865, 18678), (874, 18714), (887, 18795), (916, 18930),

Gene: Lilleskat_27 Start: 17590, Stop: 20499, Start Num: 66
Candidate Starts for Lilleskat_27:
(Start: 66 @17590 has 43 MA's), (69, 17602), (85, 17662), (157, 17884), (178, 17947), (191, 17989), (214, 18046), (222, 18085), (258, 18256), (262, 18262), (267, 18277), (293, 18367), (294, 18370), (298, 18382), (309, 18424), (319, 18478), (337, 18553), (340, 18574), (341, 18577), (344, 18595), (356, 18658), (375, 18724), (381, 18763), (385, 18790), (388, 18805), (396, 18835), (401, 18859), (407, 18880), (422, 18946), (432, 18985), (456, 19051), (468, 19078), (474, 19105), (518, 19216), (542, 19291), (563, 19336), (568, 19357), (575, 19378), (577, 19381), (589, 19399), (590, 19402), (609, 19429), (615, 19456), (644, 19510), (722, 19702), (726, 19717), (734, 19747), (747, 19798), (766, 19885), (768, 19894), (785, 19945), (814, 20008), (822, 20029), (833, 20065), (846, 20101), (847, 20107), (865, 20185), (872, 20212), (881, 20272), (895, 20341), (899, 20371), (905, 20398), (917, 20437), (922, 20479),

Gene: LionsBait_27 Start: 18379, Stop: 20919, Start Num: 130
Candidate Starts for LionsBait_27:
(Start: 130 @18379 has 101 MA's), (198, 18559), (199, 18562), (246, 18721), (249, 18730), (253, 18751), (256, 18760), (266, 18781), (278, 18814), (285, 18847), (320, 18988), (323, 19006), (333, 19039), (335, 19051), (336, 19054), (337, 19060), (340, 19081), (341, 19084), (381, 19270), (388, 19312), (391, 19321), (394, 19330), (407, 19387), (422, 19453), (432, 19492), (540, 19792), (547, 19807), (550, 19813), (555, 19822), (563, 19843), (569, 19867), (577, 19888), (590, 19909), (601, 19915), (611, 19948), (614, 19960), (618, 19969), (644, 20017), (688, 20110), (691, 20119), (701, 20146), (717, 20188), (722, 20209), (773, 20404), (821, 20482), (826, 20491), (855, 20554), (866, 20602), (873, 20632), (879, 20689), (885, 20716), (886, 20719), (902, 20809),

Gene: LittleB_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for LittleB_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (661, 17457), (679, 17514), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: LittleCherry_22 Start: 15245, Stop: 18583, Start Num: 1
Candidate Starts for LittleCherry_22:
(Start: 1 @15245 has 40 MA's), (19, 15683), (Start: 95 @15995 has 129 MA's), (118, 16073), (131, 16103), (152, 16160), (179, 16244), (202, 16307), (204, 16313), (267, 16433), (293, 16523), (294, 16526), (313, 16601), (322, 16646), (326, 16664), (337, 16709), (340, 16730), (385, 16922), (435, 17060), (458, 17108), (499, 17186), (548, 17312), (556, 17324), (565, 17348), (593, 17411), (672, 17603), (680, 17633), (690, 17657), (693, 17669), (716, 17732), (749, 17855), (753, 17876), (758, 17897), (781, 17975), (789, 17996), (804, 18038), (813, 18059), (842, 18146), (849, 18176), (863, 18239), (866, 18257), (880, 18338), (883, 18350), (885, 18362), (887, 18371), (898, 18425), (915, 18509), (919, 18548),

Gene: LittleGuy_25 Start: 15828, Stop: 18428, Start Num: 95
Candidate Starts for LittleGuy_25:
(Start: 95 @15828 has 129 MA's), (Start: 153 @15969 has 23 MA's), (Start: 163 @15987 has 10 MA's), (238, 16194), (248, 16233), (255, 16263), (290, 16380), (298, 16407), (313, 16470), (326, 16533), (335, 16569), (337, 16578), (344, 16620), (423, 16911), (460, 16971), (490, 17022), (519, 17067), (569, 17178), (571, 17184), (581, 17205), (639, 17352), (649, 17373), (659, 17397), (679, 17457), (680, 17463), (681, 17466), (697, 17517), (713, 17565), (731, 17631), (767, 17796), (774, 17814), (822, 17940), (880, 18192), (881, 18195), (883, 18204), (895, 18264), (902, 18309), (916, 18360), (921, 18408),

Gene: LochMonster_25 Start: 16001, Stop: 18460, Start Num: 153
Candidate Starts for LochMonster_25:
(Start: 95 @15860 has 129 MA's), (Start: 153 @16001 has 23 MA's), (Start: 163 @16019 has 10 MA's), (218, 16175), (238, 16226), (248, 16265), (255, 16295), (290, 16412), (298, 16439), (313, 16502), (326, 16565), (337, 16610), (344, 16652), (362, 16736), (460, 17003), (490, 17054), (519, 17099), (554, 17177), (569, 17210), (571, 17216), (619, 17330), (639, 17384), (659, 17429), (679, 17489), (697, 17549), (731, 17663), (767, 17828), (774, 17846), (822, 17972), (880, 18224), (881, 18227), (883, 18236), (894, 18293), (895, 18296), (902, 18341), (916, 18392), (921, 18440),

Gene: Lockley_24 Start: 16291, Stop: 18771, Start Num: 135
Candidate Starts for Lockley_24:
(Start: 135 @16291 has 221 MA's), (Start: 150 @16330 has 5 MA's), (171, 16393), (182, 16423), (196, 16465), (284, 16672), (290, 16690), (313, 16780), (326, 16843), (333, 16867), (335, 16879), (344, 16930), (483, 17314), (538, 17416), (558, 17455), (569, 17482), (579, 17506), (625, 17635), (667, 17734), (705, 17836), (713, 17857), (725, 17899), (749, 17998), (762, 18061), (834, 18280), (843, 18313), (875, 18484), (895, 18595), (911, 18682), (918, 18721), (920, 18736),

Gene: LogiBear_28 Start: 16637, Stop: 19411, Start Num: 86
Candidate Starts for LogiBear_28:
(49, 16466), (76, 16601), (83, 16628), (86, 16637), (116, 16745), (151, 16835), (173, 16907), (195, 16970), (203, 16991), (211, 17012), (227, 17096), (236, 17147), (251, 17216), (253, 17222), (256, 17231), (262, 17240), (281, 17297), (293, 17345), (305, 17390), (330, 17501), (335, 17522), (337, 17531), (348, 17594), (356, 17636), (376, 17708), (388, 17783), (396, 17813), (401, 17837), (407, 17858), (422, 17924), (427, 17951), (432, 17963), (436, 17975), (454, 18026), (456, 18029), (468, 18056), (474, 18083), (478, 18092), (479, 18095), (489, 18119), (490, 18122), (506, 18152), (508, 18158), (512, 18176), (520, 18197), (555, 18293), (557, 18296), (559, 18305), (567, 18329), (571, 18344), (573, 18350), (575, 18356), (590, 18380), (602, 18389), (611, 18419), (643, 18485), (691, 18590), (693, 18596), (722, 18680), (728, 18713), (746, 18773), (754, 18800), (757, 18821), (767, 18866), (877, 19169), (883, 19199), (895, 19259), (916, 19343), (917, 19355),

Gene: Lokk_29 Start: 18268, Stop: 20796, Start Num: 130
Candidate Starts for Lokk_29:
(Start: 130 @18268 has 101 MA's), (173, 18379), (175, 18391), (198, 18448), (199, 18451), (253, 18640), (256, 18649), (278, 18703), (309, 18820), (310, 18829), (314, 18850), (319, 18874), (335, 18940), (337, 18949), (340, 18970), (341, 18973), (381, 19159), (388, 19201), (407, 19276), (422, 19342), (432, 19381), (468, 19474), (504, 19567), (534, 19666), (542, 19687), (563, 19732), (589, 19795), (611, 19837), (620, 19864), (666, 19936), (671, 19948), (698, 20032), (699, 20035), (722, 20098), (734, 20143), (739, 20155), (757, 20239), (773, 20293), (826, 20377), (846, 20401), (873, 20518), (886, 20596),

Gene: LoneWolf_27 Start: 17261, Stop: 20305, Start Num: 42
Candidate Starts for LoneWolf_27:

(Start: 14 @16988 has 1 MA's), (Start: 42 @17261 has 1 MA's), (Start: 66 @17390 has 43 MA's), (69, 17402), (76, 17438), (Start: 96 @17510 has 4 MA's), (112, 17558), (191, 17789), (212, 17843), (214, 17846), (236, 17972), (253, 18047), (256, 18056), (264, 18071), (278, 18110), (298, 18185), (302, 18206), (308, 18224), (310, 18236), (313, 18248), (319, 18281), (320, 18284), (323, 18302), (324, 18305), (330, 18326), (335, 18347), (337, 18356), (338, 18368), (347, 18416), (351, 18437), (356, 18461), (381, 18566), (382, 18569), (401, 18662), (407, 18683), (410, 18692), (412, 18704), (422, 18749), (432, 18788), (470, 18890), (504, 18974), (509, 18986), (515, 19007), (518, 19019), (542, 19094), (547, 19103), (563, 19139), (568, 19160), (575, 19181), (577, 19184), (589, 19202), (590, 19205), (609, 19232), (615, 19259), (722, 19505), (728, 19538), (746, 19598), (747, 19601), (761, 19667), (767, 19691), (774, 19709), (778, 19730), (814, 19811), (822, 19832), (839, 19886), (847, 19913), (865, 19991), (874, 20027), (880, 20075), (881, 20078), (884, 20090), (886, 20102), (899, 20177), (913, 20213), (917, 20243), (922, 20285),

Gene: Looper_29 Start: 15923, Stop: 18109, Start Num: 156
Candidate Starts for Looper_29:
(Start: 95 @15746 has 129 MA's), (Start: 99 @15755 has 4 MA's), (Start: 156 @15923 has 18 MA's), (267, 16163), (269, 16169), (289, 16238), (304, 16295), (337, 16439), (344, 16481), (353, 16529), (354, 16532), (384, 16643), (387, 16661), (425, 16766), (445, 16814), (515, 16919), (541, 16979), (569, 17033), (592, 17069), (599, 17093), (602, 17102), (624, 17165), (636, 17186), (640, 17201), (654, 17225), (659, 17237), (689, 17291), (695, 17312), (709, 17342), (771, 17513), (777, 17534), (813, 17618), (887, 17921), (916, 18044), (917, 18056),

Gene: Lopton_25 Start: 17715, Stop: 20195, Start Num: 135
Candidate Starts for Lopton_25:
(Start: 135 @17715 has 221 MA's), (Start: 150 @17754 has 5 MA's), (171, 17817), (182, 17847), (196, 17889), (284, 18096), (290, 18114), (313, 18204), (326, 18267), (333, 18291), (335, 18303), (344, 18354), (483, 18738), (538, 18840), (558, 18879), (566, 18894), (569, 18906), (579, 18930), (625, 19059), (667, 19158), (705, 19260), (713, 19281), (725, 19323), (749, 19422), (762, 19485), (789, 19575), (834, 19704), (843, 19737), (895, 20019), (907, 20085), (911, 20106), (918, 20145), (920, 20160),

Gene: Lorenzo_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Lorenzo_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Loser_29 Start: 18399, Stop: 20897, Start Num: 130
Candidate Starts for Loser_29:
(103, 18336), (Start: 130 @18399 has 101 MA's), (177, 18528), (193, 18567), (211, 18612), (249, 18714), (253, 18735), (262, 18753), (274, 18789), (298, 18873), (310, 18924), (324, 18993), (326, 18999), (330, 19014), (333, 19023), (335, 19035), (337, 19044), (381, 19254), (385, 19281), (388, 19296), (401, 19350), (407, 19371), (422, 19437), (432, 19476), (454, 19539), (504, 19662), (511, 19677), (534, 19761), (540, 19776), (547, 19791), (550, 19797), (555, 19806), (563, 19827), (568, 19848), (577, 19872), (590, 19893), (601, 19899), (611, 19932), (615, 19947), (620, 19959), (639, 19989), (644, 20001), (666, 20031), (671, 20043), (701, 20130), (713, 20163), (722, 20193), (728, 20226), (734, 20238), (817, 20457), (821, 20466), (826, 20475), (866, 20586), (873, 20616), (886, 20697), (917, 20838),

Gene: Louie6_27 Start: 16066, Stop: 19092, Start Num: 48

Candidate Starts for Louie6_27:
(40, 16012), (Start: 48 @16066 has 89 MA's), (71, 16180), (88, 16246), (90, 16249), (92, 16258), (104, 16294), (122, 16345), (148, 16417), (171, 16489), (212, 16609), (214, 16612), (225, 16681), (231, 16726), (256, 16819), (262, 16828), (268, 16846), (278, 16873), (294, 16936), (298, 16948), (306, 16981), (310, 16999), (323, 17065), (324, 17068), (326, 17074), (330, 17089), (333, 17098), (335, 17110), (337, 17119), (350, 17197), (354, 17212), (381, 17329), (382, 17332), (386, 17359), (388, 17371), (401, 17425), (407, 17446), (422, 17512), (432, 17551), (468, 17644), (483, 17692), (504, 17737), (520, 17785), (530, 17827), (534, 17836), (547, 17866), (549, 17869), (555, 17881), (573, 17938), (575, 17944), (589, 17965), (590, 17968), (666, 18106), (671, 18118), (691, 18178), (711, 18235), (749, 18373), (753, 18394), (757, 18418), (767, 18463), (774, 18481), (789, 18529), (793, 18541), (814, 18583), (835, 18646), (852, 18703), (865, 18772), (874, 18808), (887, 18889), (916, 19024),

Gene: Lowa_27 Start: 15971, Stop: 18997, Start Num: 48
Candidate Starts for Lowa_27:
(40, 15917), (Start: 48 @15971 has 89 MA's), (71, 16085), (88, 16151), (90, 16154), (92, 16163), (104, 16199), (122, 16250), (148, 16322), (171, 16394), (212, 16514), (214, 16517), (225, 16586), (231, 16631), (256, 16724), (262, 16733), (268, 16751), (278, 16778), (294, 16841), (298, 16853), (306, 16886), (310, 16904), (323, 16970), (324, 16973), (326, 16979), (330, 16994), (333, 17003), (335, 17015), (337, 17024), (354, 17117), (381, 17234), (382, 17237), (386, 17264), (388, 17276), (401, 17330), (407, 17351), (422, 17417), (427, 17444), (468, 17549), (483, 17597), (504, 17642), (520, 17690), (530, 17732), (534, 17741), (547, 17771), (549, 17774), (555, 17786), (573, 17843), (575, 17849), (589, 17870), (590, 17873), (666, 18011), (671, 18023), (691, 18083), (713, 18143), (722, 18173), (723, 18176), (725, 18185), (749, 18278), (767, 18368), (789, 18434), (793, 18446), (814, 18488), (835, 18551), (852, 18608), (865, 18677), (874, 18713), (887, 18794), (916, 18929),

Gene: Luchador_27 Start: 16953, Stop: 19361, Start Num: 145
Candidate Starts for Luchador_27:
(Start: 145 @16953 has 7 MA's), (Start: 150 @16971 has 5 MA's), (160, 17004), (201, 17106), (217, 17148), (233, 17190), (238, 17202), (272, 17316), (284, 17370), (298, 17415), (313, 17478), (319, 17511), (335, 17577), (340, 17607), (397, 17832), (490, 18030), (496, 18045), (521, 18078), (601, 18264), (661, 18420), (720, 18561), (737, 18621), (743, 18654), (744, 18666), (753, 18699), (756, 18708), (784, 18822), (798, 18840), (803, 18852), (812, 18876), (836, 18930), (838, 18942), (864, 19047), (885, 19158), (899, 19233), (917, 19299), (921, 19335),

Gene: Lucivia_26 Start: 17212, Stop: 19758, Start Num: 91
Candidate Starts for Lucivia_26:
(Start: 91 @17212 has 24 MA's), (Start: 96 @17230 has 4 MA's), (Start: 156 @17404 has 18 MA's), (159, 17413), (196, 17488), (248, 17542), (265, 17596), (270, 17611), (271, 17614), (278, 17632), (294, 17695), (298, 17707), (313, 17770), (326, 17833), (330, 17848), (333, 17857), (337, 17878), (341, 17902), (344, 17917), (364, 18004), (366, 18007), (372, 18022), (378, 18043), (380, 18055), (396, 18121), (418, 18193), (425, 18217), (454, 18298), (457, 18307), (462, 18319), (471, 18361), (513, 18418), (532, 18472), (577, 18580), (595, 18619), (647, 18760), (690, 18856), (695, 18877), (708, 18910), (721, 18943), (722, 18946), (748, 19030), (758, 19075), (759, 19078), (792, 19192), (804, 19225), (830, 19297), (842, 19333), (857, 19405), (873, 19483), (881, 19537), (886, 19561), (912, 19672),

Gene: Lucyedi_27 Start: 16773, Stop: 19835, Start Num: 3
Candidate Starts for Lucyedi_27:
(Start: 3 @16773 has 3 MA's), (10, 16947), (18, 17064), (38, 17241), (84, 17397), (88, 17403), (125, 17505), (165, 17601), (202, 17709), (204, 17715), (269, 17829), (288, 17895), (296, 17922), (313, 17991), (319, 18024), (320, 18027), (338, 18114), (339, 18117), (354, 18195), (373, 18255), (497, 18549), (529, 18579), (531, 18582), (606, 18735), (683, 18912), (687, 18924), (749, 19119), (753,

19140), (777, 19233), (789, 19260), (797, 19281), (804, 19302), (873, 19560), (882, 19617), (903, 19728),

Gene: LugYA_29 Start: 15979, Stop: 19005, Start Num: 48
Candidate Starts for LugYA_29:
(40, 15925), (Start: 48 @15979 has 89 MA's), (71, 16093), (88, 16159), (90, 16162), (92, 16171), (104, 16207), (122, 16258), (148, 16330), (171, 16402), (212, 16522), (214, 16525), (225, 16594), (231, 16639), (256, 16732), (262, 16741), (268, 16759), (278, 16786), (294, 16849), (298, 16861), (306, 16894), (310, 16912), (323, 16978), (324, 16981), (326, 16987), (330, 17002), (333, 17011), (335, 17023), (337, 17032), (350, 17110), (354, 17125), (381, 17242), (382, 17245), (386, 17272), (388, 17284), (401, 17338), (407, 17359), (422, 17425), (432, 17464), (468, 17557), (483, 17605), (504, 17650), (520, 17698), (530, 17740), (534, 17749), (547, 17779), (549, 17782), (555, 17794), (573, 17851), (575, 17857), (589, 17878), (590, 17881), (666, 18019), (671, 18031), (691, 18091), (711, 18148), (749, 18286), (753, 18307), (757, 18331), (767, 18376), (774, 18394), (789, 18442), (793, 18454), (814, 18496), (835, 18559), (852, 18616), (865, 18685), (874, 18721), (887, 18802), (916, 18937),

Gene: LunarLander_24 Start: 16065, Stop: 18725, Start Num: 135
Candidate Starts for LunarLander_24:
(Start: 135 @16065 has 221 MA's), (Start: 150 @16104 has 5 MA's), (171, 16167), (Start: 174 @16173 has 1 MA's), (182, 16197), (196, 16239), (313, 16548), (326, 16611), (337, 16656), (342, 16680), (357, 16755), (360, 16767), (455, 17088), (566, 17418), (587, 17469), (597, 17496), (669, 17700), (710, 17814), (713, 17823), (720, 17844), (725, 17865), (749, 17964), (758, 18006), (759, 18009), (802, 18138), (830, 18222), (844, 18267), (875, 18438), (877, 18456), (895, 18549), (911, 18636), (918, 18675), (920, 18690),

Gene: Lunsford_26 Start: 15882, Stop: 18482, Start Num: 95
Candidate Starts for Lunsford_26:
(Start: 95 @15882 has 129 MA's), (Start: 153 @16023 has 23 MA's), (Start: 163 @16041 has 10 MA's), (238, 16248), (248, 16287), (255, 16317), (290, 16434), (298, 16461), (313, 16524), (326, 16587), (337, 16632), (344, 16674), (362, 16758), (460, 17025), (490, 17076), (519, 17121), (554, 17199), (569, 17232), (571, 17238), (639, 17406), (649, 17427), (659, 17451), (680, 17517), (697, 17571), (713, 17619), (731, 17685), (767, 17850), (774, 17868), (822, 17994), (880, 18246), (881, 18249), (883, 18258), (895, 18318), (916, 18414), (921, 18462),

Gene: MA5_25 Start: 15111, Stop: 18149, Start Num: 47
Candidate Starts for MA5_25:
(Start: 47 @15111 has 37 MA's), (87, 15285), (Start: 99 @15330 has 4 MA's), (171, 15540), (214, 15663), (256, 15870), (278, 15924), (298, 15999), (306, 16032), (310, 16050), (313, 16062), (328, 16128), (335, 16161), (337, 16170), (344, 16212), (354, 16263), (381, 16380), (388, 16422), (401, 16476), (407, 16497), (422, 16563), (427, 16590), (483, 16743), (511, 16803), (518, 16833), (530, 16878), (534, 16887), (547, 16917), (555, 16932), (563, 16953), (568, 16974), (569, 16977), (573, 16989), (589, 17016), (590, 17019), (607, 17040), (633, 17103), (671, 17169), (691, 17229), (707, 17268), (722, 17319), (723, 17322), (725, 17331), (730, 17355), (749, 17424), (753, 17445), (767, 17514), (774, 17532), (789, 17580), (793, 17592), (814, 17634), (818, 17646), (833, 17694), (874, 17865), (887, 17946), (916, 18081), (917, 18093), (921, 18129),

Gene: MK4_25 Start: 15408, Stop: 18452, Start Num: 47
Candidate Starts for MK4_25:
(Start: 47 @15408 has 37 MA's), (87, 15582), (90, 15594), (171, 15837), (212, 15957), (214, 15960), (259, 16182), (278, 16227), (298, 16302), (306, 16335), (310, 16353), (313, 16365), (328, 16431), (335, 16464), (337, 16473), (344, 16515), (354, 16566), (381, 16683), (388, 16725), (401, 16779), (407, 16800), (420, 16857), (422, 16866), (462, 16992), (468, 16998), (474, 17025), (504, 17091),

(511, 17106), (518, 17136), (520, 17139), (534, 17190), (539, 17202), (549, 17223), (555, 17235), (563, 17256), (573, 17292), (589, 17319), (610, 17352), (612, 17364), (633, 17406), (671, 17472), (691, 17532), (707, 17571), (722, 17622), (723, 17625), (725, 17634), (730, 17658), (749, 17727), (753, 17748), (767, 17817), (774, 17835), (789, 17883), (793, 17895), (814, 17937), (818, 17949), (833, 17997), (874, 18168), (883, 18228), (887, 18249), (916, 18384), (917, 18396), (921, 18432),

Gene: MPlant7149_23 Start: 15925, Stop: 18405, Start Num: 135
Candidate Starts for MPlant7149_23:
(Start: 135 @15925 has 221 MA's), (Start: 150 @15964 has 5 MA's), (171, 16027), (182, 16057), (196, 16099), (284, 16306), (290, 16324), (313, 16414), (326, 16477), (333, 16501), (335, 16513), (344, 16564), (483, 16948), (538, 17050), (558, 17089), (566, 17104), (569, 17116), (579, 17140), (625, 17269), (667, 17368), (705, 17470), (713, 17491), (725, 17533), (749, 17632), (762, 17695), (789, 17785), (834, 17914), (843, 17947), (895, 18229), (907, 18295), (911, 18316), (918, 18355), (920, 18370),

Gene: MaCh_26 Start: 17154, Stop: 19700, Start Num: 91
Candidate Starts for MaCh_26:
(Start: 91 @17154 has 24 MA's), (Start: 96 @17172 has 4 MA's), (Start: 156 @17346 has 18 MA's), (159, 17355), (196, 17430), (248, 17484), (265, 17538), (270, 17553), (271, 17556), (278, 17574), (294, 17637), (298, 17649), (313, 17712), (326, 17775), (330, 17790), (333, 17799), (337, 17820), (341, 17844), (344, 17859), (364, 17946), (366, 17949), (372, 17964), (378, 17985), (380, 17997), (396, 18063), (418, 18135), (425, 18159), (454, 18240), (457, 18249), (462, 18261), (471, 18303), (513, 18360), (532, 18414), (577, 18522), (595, 18561), (647, 18702), (690, 18798), (695, 18819), (708, 18852), (721, 18885), (722, 18888), (748, 18972), (758, 19017), (759, 19020), (792, 19134), (804, 19167), (830, 19239), (842, 19275), (857, 19347), (873, 19425), (881, 19479), (886, 19503), (912, 19614),

Gene: Mabel_26 Start: 17215, Stop: 19761, Start Num: 91
Candidate Starts for Mabel_26:
(Start: 91 @17215 has 24 MA's), (Start: 96 @17233 has 4 MA's), (Start: 156 @17407 has 18 MA's), (159, 17416), (196, 17491), (248, 17545), (265, 17599), (270, 17614), (271, 17617), (278, 17635), (294, 17698), (298, 17710), (313, 17773), (326, 17836), (330, 17851), (333, 17860), (337, 17881), (341, 17905), (344, 17920), (364, 18007), (366, 18010), (372, 18025), (378, 18046), (380, 18058), (396, 18124), (418, 18196), (425, 18220), (454, 18301), (457, 18310), (462, 18322), (471, 18364), (513, 18421), (532, 18475), (577, 18583), (595, 18622), (647, 18763), (690, 18859), (695, 18880), (708, 18913), (721, 18946), (722, 18949), (748, 19033), (758, 19078), (759, 19081), (792, 19195), (804, 19228), (830, 19300), (842, 19336), (857, 19408), (873, 19486), (881, 19540), (886, 19564), (912, 19675),

Gene: MadMarie_27 Start: 15981, Stop: 19007, Start Num: 48
Candidate Starts for MadMarie_27:
(40, 15927), (Start: 48 @15981 has 89 MA's), (71, 16095), (88, 16161), (90, 16164), (92, 16173), (104, 16209), (122, 16260), (148, 16332), (171, 16404), (212, 16524), (214, 16527), (225, 16596), (231, 16641), (256, 16734), (262, 16743), (268, 16761), (278, 16788), (294, 16851), (298, 16863), (306, 16896), (310, 16914), (323, 16980), (324, 16983), (326, 16989), (330, 17004), (333, 17013), (335, 17025), (337, 17034), (354, 17127), (381, 17244), (382, 17247), (386, 17274), (388, 17286), (401, 17340), (407, 17361), (422, 17427), (427, 17454), (468, 17559), (483, 17607), (504, 17652), (520, 17700), (530, 17742), (534, 17751), (547, 17781), (549, 17784), (555, 17796), (573, 17853), (575, 17859), (589, 17880), (590, 17883), (666, 18021), (671, 18033), (691, 18093), (713, 18153), (722, 18183), (723, 18186), (725, 18195), (749, 18288), (767, 18378), (789, 18444), (793, 18456), (814, 18498), (835, 18561), (852, 18618), (865, 18687), (874, 18723), (887, 18804), (916, 18939),

Gene: Magnar_24 Start: 16072, Stop: 18555, Start Num: 135

Candidate Starts for Magnar_24:
(Start: 135 @16072 has 221 MA's), (Start: 150 @16111 has 5 MA's), (171, 16174), (182, 16204), (196, 16246), (284, 16453), (290, 16471), (313, 16561), (326, 16624), (333, 16648), (335, 16660), (344, 16711), (483, 17095), (538, 17197), (558, 17236), (569, 17263), (579, 17287), (661, 17491), (667, 17503), (675, 17518), (711, 17635), (725, 17680), (728, 17701), (730, 17704), (767, 17869), (786, 17935), (804, 17977), (861, 18187), (875, 18268), (895, 18379), (907, 18445), (911, 18466), (918, 18505), (920, 18520),

Gene: Magnito_23 Start: 15836, Stop: 18307, Start Num: 135
Candidate Starts for Magnito_23:
(Start: 135 @15836 has 221 MA's), (Start: 150 @15875 has 5 MA's), (171, 15938), (182, 15968), (188, 15989), (196, 16010), (202, 16022), (233, 16040), (260, 16130), (313, 16328), (319, 16361), (335, 16427), (396, 16682), (407, 16703), (414, 16730), (492, 16889), (519, 16925), (566, 17018), (572, 17039), (597, 17096), (637, 17216), (652, 17252), (667, 17282), (681, 17318), (705, 17384), (713, 17405), (749, 17546), (786, 17687), (797, 17708), (861, 17939), (875, 18020), (895, 18131), (911, 18218), (918, 18257), (921, 18287),

Gene: Mainiac_27 Start: 15972, Stop: 18998, Start Num: 48
Candidate Starts for Mainiac_27:
(40, 15918), (Start: 48 @15972 has 89 MA's), (71, 16086), (88, 16152), (90, 16155), (92, 16164), (104, 16200), (122, 16251), (148, 16323), (171, 16395), (212, 16515), (214, 16518), (225, 16587), (231, 16632), (256, 16725), (262, 16734), (268, 16752), (278, 16779), (294, 16842), (298, 16854), (306, 16887), (310, 16905), (323, 16971), (324, 16974), (326, 16980), (330, 16995), (333, 17004), (335, 17016), (337, 17025), (354, 17118), (381, 17235), (382, 17238), (386, 17265), (388, 17277), (401, 17331), (407, 17352), (422, 17418), (427, 17445), (468, 17550), (483, 17598), (504, 17643), (520, 17691), (530, 17733), (534, 17742), (547, 17772), (549, 17775), (555, 17787), (573, 17844), (575, 17850), (589, 17871), (590, 17874), (666, 18012), (671, 18024), (691, 18084), (713, 18144), (722, 18174), (723, 18177), (725, 18186), (749, 18279), (767, 18369), (789, 18435), (793, 18447), (814, 18489), (835, 18552), (852, 18609), (865, 18678), (874, 18714), (887, 18795), (916, 18930),

Gene: MajorMajor_25 Start: 15528, Stop: 18041, Start Num: 130
Candidate Starts for MajorMajor_25:
(Start: 130 @15528 has 101 MA's), (173, 15639), (197, 15705), (198, 15708), (199, 15711), (253, 15897), (256, 15906), (262, 15915), (298, 16035), (310, 16086), (321, 16143), (324, 16155), (326, 16161), (330, 16176), (335, 16197), (337, 16206), (345, 16254), (381, 16416), (386, 16446), (388, 16458), (398, 16497), (401, 16512), (407, 16533), (420, 16590), (422, 16599), (427, 16626), (462, 16725), (504, 16824), (511, 16839), (534, 16923), (542, 16944), (563, 16989), (589, 17052), (590, 17055), (614, 17106), (620, 17121), (691, 17265), (701, 17292), (722, 17355), (726, 17370), (734, 17400), (757, 17496), (775, 17562), (821, 17625), (881, 17820), (882, 17823), (886, 17844),

Gene: Makemake_24 Start: 17552, Stop: 20023, Start Num: 135
Candidate Starts for Makemake_24:
(Start: 135 @17552 has 221 MA's), (Start: 150 @17591 has 5 MA's), (171, 17654), (182, 17684), (188, 17705), (196, 17726), (233, 17756), (240, 17780), (260, 17846), (313, 18044), (319, 18077), (335, 18143), (396, 18398), (407, 18419), (414, 18446), (448, 18542), (478, 18572), (566, 18734), (572, 18755), (597, 18812), (637, 18932), (652, 18968), (667, 18998), (681, 19034), (705, 19100), (713, 19121), (725, 19163), (749, 19262), (786, 19403), (797, 19424), (841, 19559), (875, 19736), (895, 19847), (907, 19913), (911, 19934), (918, 19973), (920, 19988),

Gene: Malec_27 Start: 16899, Stop: 19439, Start Num: 130
Candidate Starts for Malec_27:
(Start: 130 @16899 has 101 MA's), (198, 17079), (247, 17244), (249, 17250), (253, 17271), (256, 17280), (278, 17334), (281, 17346), (285, 17367), (298, 17409), (314, 17481), (330, 17553), (333,

17562), (337, 17583), (340, 17604), (341, 17607), (344, 17625), (355, 17685), (361, 17712), (381, 17793), (388, 17835), (391, 17844), (394, 17853), (395, 17856), (401, 17889), (404, 17901), (407, 17910), (421, 17973), (422, 17976), (427, 18003), (432, 18015), (504, 18201), (518, 18246), (534, 18300), (539, 18312), (542, 18321), (550, 18336), (563, 18366), (569, 18390), (572, 18399), (573, 18402), (589, 18429), (604, 18444), (611, 18471), (618, 18492), (620, 18498), (671, 18582), (691, 18642), (701, 18669), (722, 18732), (766, 18915), (773, 18927), (817, 18996), (821, 19005), (826, 19014), (866, 19125), (873, 19155), (879, 19209), (886, 19239), (924, 19425),

Gene: Malinsilva_29 Start: 15971, Stop: 18997, Start Num: 48
Candidate Starts for Malinsilva_29:
(40, 15917), (Start: 48 @15971 has 89 MA's), (71, 16085), (88, 16151), (90, 16154), (92, 16163), (104, 16199), (122, 16250), (148, 16322), (171, 16394), (212, 16514), (214, 16517), (225, 16586), (231, 16631), (256, 16724), (262, 16733), (268, 16751), (278, 16778), (294, 16841), (298, 16853), (306, 16886), (310, 16904), (323, 16970), (324, 16973), (326, 16979), (330, 16994), (333, 17003), (335, 17015), (337, 17024), (354, 17117), (381, 17234), (382, 17237), (386, 17264), (388, 17276), (401, 17330), (407, 17351), (422, 17417), (427, 17444), (468, 17549), (483, 17597), (504, 17642), (520, 17690), (530, 17732), (534, 17741), (547, 17771), (549, 17774), (555, 17786), (573, 17843), (575, 17849), (589, 17870), (590, 17873), (666, 18011), (671, 18023), (691, 18083), (713, 18143), (722, 18173), (723, 18176), (725, 18185), (749, 18278), (767, 18368), (789, 18434), (793, 18446), (814, 18488), (835, 18551), (852, 18608), (865, 18677), (874, 18713), (887, 18794), (916, 18929),

Gene: Maminiaina_27 Start: 17320, Stop: 20244, Start Num: 66
Candidate Starts for Maminiaina_27:
(Start: 66 @17320 has 43 MA's), (69, 17332), (73, 17356), (76, 17368), (Start: 138 @17557 has 1 MA's), (157, 17620), (178, 17683), (191, 17725), (214, 17782), (215, 17788), (258, 17998), (262, 18004), (267, 18019), (283, 18070), (293, 18109), (298, 18124), (309, 18166), (310, 18175), (319, 18220), (324, 18244), (337, 18295), (340, 18316), (341, 18319), (344, 18337), (375, 18466), (381, 18505), (385, 18532), (388, 18547), (396, 18577), (401, 18601), (407, 18622), (422, 18688), (432, 18727), (468, 18820), (474, 18847), (504, 18913), (518, 18958), (542, 19033), (563, 19078), (568, 19099), (575, 19120), (577, 19123), (586, 19132), (589, 19141), (590, 19144), (601, 19150), (649, 19258), (653, 19270), (685, 19336), (722, 19444), (734, 19489), (739, 19501), (746, 19537), (747, 19540), (757, 19585), (764, 19621), (768, 19636), (785, 19687), (814, 19750), (833, 19810), (847, 19852), (865, 19930), (872, 19957), (874, 19966), (881, 20017), (899, 20116), (905, 20143), (917, 20182), (922, 20224),

Gene: Manatee_25 Start: 16575, Stop: 18575, Start Num: 135
Candidate Starts for Manatee_25:
(Start: 135 @16575 has 221 MA's), (Start: 150 @16614 has 5 MA's), (171, 16677), (182, 16707), (188, 16728), (237, 16788), (264, 16884), (284, 16953), (288, 16965), (313, 17061), (319, 17094), (375, 17328), (519, 17616), (584, 17718), (588, 17730), (617, 17808), (636, 17850), (663, 17904), (667, 17916), (675, 17931), (680, 17949), (685, 17961), (718, 18039), (725, 18069), (749, 18165), (811, 18375), (856, 18525),

Gene: Manu_28 Start: 16057, Stop: 19083, Start Num: 48
Candidate Starts for Manu_28:
(40, 16003), (Start: 48 @16057 has 89 MA's), (71, 16171), (88, 16237), (90, 16240), (92, 16249), (104, 16285), (122, 16336), (148, 16408), (171, 16480), (212, 16600), (214, 16603), (225, 16672), (231, 16717), (256, 16810), (262, 16819), (278, 16864), (287, 16903), (294, 16927), (298, 16939), (306, 16972), (310, 16990), (314, 17011), (324, 17059), (326, 17065), (330, 17080), (333, 17089), (335, 17101), (337, 17110), (354, 17203), (377, 17290), (381, 17320), (382, 17323), (386, 17350), (388, 17362), (401, 17416), (407, 17437), (415, 17467), (422, 17503), (462, 17629), (483, 17683), (504, 17728), (520, 17776), (530, 17818), (534, 17827), (547, 17857), (573, 17929), (575, 17935), (589, 17956), (590, 17959), (604, 17971), (655, 18088), (666, 18097), (691, 18169), (692, 18172), (707,

18208), (722, 18259), (723, 18262), (725, 18271), (767, 18454), (789, 18520), (793, 18532), (814, 18574), (835, 18637), (852, 18694), (865, 18763), (874, 18799), (887, 18880), (916, 19015), (917, 19027),

Gene: MarQuardt_27 Start: 15980, Stop: 19006, Start Num: 48
Candidate Starts for MarQuardt_27:
(40, 15926), (Start: 48 @15980 has 89 MA's), (71, 16094), (88, 16160), (90, 16163), (92, 16172), (104, 16208), (122, 16259), (148, 16331), (171, 16403), (212, 16523), (214, 16526), (225, 16595), (231, 16640), (256, 16733), (262, 16742), (268, 16760), (278, 16787), (294, 16850), (298, 16862), (306, 16895), (310, 16913), (323, 16979), (324, 16982), (326, 16988), (330, 17003), (333, 17012), (335, 17024), (337, 17033), (350, 17111), (354, 17126), (381, 17243), (382, 17246), (386, 17273), (388, 17285), (401, 17339), (407, 17360), (422, 17426), (432, 17465), (468, 17558), (483, 17606), (504, 17651), (520, 17699), (530, 17741), (534, 17750), (547, 17780), (549, 17783), (555, 17795), (573, 17852), (575, 17858), (589, 17879), (590, 17882), (666, 18020), (671, 18032), (691, 18092), (711, 18149), (749, 18287), (753, 18308), (757, 18332), (767, 18377), (774, 18395), (789, 18443), (793, 18455), (814, 18497), (835, 18560), (852, 18617), (865, 18686), (874, 18722), (887, 18803), (916, 18938),

Gene: Marcell_24 Start: 16585, Stop: 19065, Start Num: 135
Candidate Starts for Marcell_24:
(Start: 135 @16585 has 221 MA's), (Start: 150 @16624 has 5 MA's), (171, 16687), (182, 16717), (196, 16759), (284, 16966), (290, 16984), (313, 17074), (326, 17137), (333, 17161), (335, 17173), (344, 17224), (483, 17608), (538, 17710), (558, 17749), (569, 17776), (579, 17800), (667, 18028), (705, 18130), (713, 18151), (725, 18193), (749, 18292), (762, 18355), (834, 18574), (843, 18607), (875, 18778), (895, 18889), (911, 18976), (918, 19015), (920, 19030),

Gene: Marchesa_25 Start: 15546, Stop: 18584, Start Num: 47
Candidate Starts for Marchesa_25:
(Start: 47 @15546 has 37 MA's), (87, 15720), (90, 15732), (Start: 99 @15765 has 4 MA's), (171, 15975), (214, 16098), (219, 16119), (256, 16305), (278, 16359), (294, 16422), (298, 16434), (306, 16467), (310, 16485), (324, 16554), (326, 16560), (330, 16575), (333, 16584), (335, 16596), (337, 16605), (354, 16698), (381, 16815), (382, 16818), (386, 16845), (388, 16857), (401, 16911), (407, 16932), (412, 16953), (422, 16998), (432, 17037), (483, 17178), (504, 17223), (511, 17238), (530, 17313), (534, 17322), (547, 17352), (555, 17367), (557, 17370), (563, 17388), (568, 17409), (569, 17412), (575, 17430), (589, 17451), (590, 17454), (633, 17538), (671, 17604), (677, 17625), (691, 17664), (707, 17703), (722, 17754), (723, 17757), (725, 17766), (730, 17790), (749, 17859), (753, 17880), (767, 17949), (774, 17967), (789, 18015), (793, 18027), (814, 18069), (818, 18081), (833, 18129), (874, 18300), (877, 18330), (883, 18360), (887, 18381), (916, 18516), (917, 18528), (921, 18564),

Gene: Marchy_23 Start: 15902, Stop: 18370, Start Num: 135
Candidate Starts for Marchy_23:
(Start: 135 @15902 has 221 MA's), (Start: 144 @15917 has 1 MA's), (182, 16031), (188, 16052), (196, 16073), (233, 16103), (260, 16193), (313, 16391), (319, 16424), (335, 16490), (396, 16745), (407, 16766), (414, 16793), (492, 16952), (519, 16988), (566, 17081), (572, 17102), (579, 17117), (588, 17138), (591, 17141), (611, 17210), (625, 17246), (637, 17279), (652, 17315), (667, 17345), (681, 17381), (705, 17447), (713, 17468), (749, 17609), (786, 17750), (797, 17771), (841, 17906), (875, 18083), (895, 18194), (907, 18260), (911, 18281), (918, 18320), (921, 18350),

Gene: Marco3_24 Start: 16566, Stop: 18965, Start Num: 135
Candidate Starts for Marco3_24:
(Start: 135 @16566 has 221 MA's), (Start: 150 @16605 has 5 MA's), (171, 16668), (182, 16698), (188, 16719), (196, 16740), (202, 16752), (208, 16770), (260, 16860), (313, 17058), (319, 17091), (335,

17157), (406, 17412), (413, 17433), (418, 17460), (434, 17499), (483, 17556), (514, 17586), (598, 17748), (661, 17901), (667, 17913), (675, 17928), (711, 18045), (725, 18090), (728, 18111), (730, 18114), (762, 18264), (767, 18279), (786, 18345), (804, 18387), (861, 18597), (875, 18678), (895, 18789), (911, 18876), (918, 18915), (921, 18945),

Gene: Marge_25 Start: 16805, Stop: 19465, Start Num: 135
Candidate Starts for Marge_25:
(Start: 135 @16805 has 221 MA's), (Start: 150 @16844 has 5 MA's), (171, 16907), (Start: 174 @16913 has 1 MA's), (182, 16937), (196, 16979), (313, 17288), (326, 17351), (337, 17396), (342, 17420), (357, 17495), (360, 17507), (455, 17828), (566, 18158), (587, 18209), (597, 18236), (669, 18440), (710, 18554), (713, 18563), (720, 18584), (725, 18605), (749, 18704), (758, 18746), (759, 18749), (802, 18878), (830, 18962), (844, 19007), (895, 19289), (911, 19376), (918, 19415), (920, 19430),

Gene: Margo_26 Start: 16069, Stop: 19107, Start Num: 47
Candidate Starts for Margo_26:
(Start: 47 @16069 has 37 MA's), (87, 16243), (90, 16255), (Start: 99 @16288 has 4 MA's), (171, 16495), (177, 16516), (212, 16615), (214, 16618), (256, 16828), (262, 16837), (266, 16849), (278, 16882), (294, 16945), (298, 16957), (306, 16990), (310, 17008), (314, 17029), (324, 17077), (326, 17083), (330, 17098), (333, 17107), (335, 17119), (337, 17128), (354, 17221), (381, 17338), (382, 17341), (386, 17368), (388, 17380), (401, 17434), (407, 17455), (422, 17521), (432, 17560), (483, 17701), (504, 17746), (530, 17836), (534, 17845), (547, 17875), (568, 17932), (573, 17947), (589, 17974), (590, 17977), (605, 17995), (655, 18106), (691, 18187), (711, 18244), (724, 18286), (749, 18382), (753, 18403), (757, 18427), (767, 18472), (774, 18490), (789, 18538), (793, 18550), (814, 18592), (818, 18604), (833, 18652), (874, 18823), (883, 18883), (885, 18895), (892, 18922), (895, 18943), (916, 19039), (921, 19087),

Gene: Marie_27 Start: 15978, Stop: 19004, Start Num: 48
Candidate Starts for Marie_27:
(40, 15924), (Start: 48 @15978 has 89 MA's), (71, 16092), (88, 16158), (90, 16161), (92, 16170), (104, 16206), (122, 16257), (148, 16329), (171, 16401), (212, 16521), (214, 16524), (225, 16593), (231, 16638), (256, 16731), (262, 16740), (268, 16758), (278, 16785), (294, 16848), (298, 16860), (306, 16893), (310, 16911), (323, 16977), (324, 16980), (326, 16986), (330, 17001), (333, 17010), (335, 17022), (337, 17031), (350, 17109), (354, 17124), (381, 17241), (382, 17244), (386, 17271), (388, 17283), (401, 17337), (407, 17358), (422, 17424), (432, 17463), (468, 17556), (483, 17604), (504, 17649), (520, 17697), (530, 17739), (534, 17748), (547, 17778), (549, 17781), (555, 17793), (573, 17850), (575, 17856), (589, 17877), (590, 17880), (666, 18018), (671, 18030), (691, 18090), (711, 18147), (749, 18285), (753, 18306), (757, 18330), (767, 18375), (774, 18393), (789, 18441), (793, 18453), (814, 18495), (835, 18558), (852, 18615), (865, 18684), (874, 18720), (887, 18801), (916, 18936),

Gene: Marius_28 Start: 16057, Stop: 19083, Start Num: 48
Candidate Starts for Marius_28:
(40, 16003), (Start: 48 @16057 has 89 MA's), (71, 16171), (88, 16237), (90, 16240), (92, 16249), (104, 16285), (122, 16336), (148, 16408), (171, 16480), (212, 16600), (214, 16603), (225, 16672), (231, 16717), (256, 16810), (262, 16819), (278, 16864), (287, 16903), (294, 16927), (298, 16939), (306, 16972), (310, 16990), (314, 17011), (324, 17059), (326, 17065), (330, 17080), (333, 17089), (335, 17101), (337, 17110), (354, 17203), (377, 17290), (381, 17320), (382, 17323), (386, 17350), (388, 17362), (401, 17416), (407, 17437), (415, 17467), (422, 17503), (462, 17629), (483, 17683), (504, 17728), (520, 17776), (530, 17818), (534, 17827), (547, 17857), (573, 17929), (575, 17935), (589, 17956), (590, 17959), (604, 17971), (655, 18088), (666, 18097), (691, 18169), (692, 18172), (707, 18208), (722, 18259), (723, 18262), (725, 18271), (767, 18454), (789, 18520), (793, 18532), (814, 18574), (835, 18637), (852, 18694), (865, 18763), (874, 18799), (887, 18880), (916, 19015), (917, 19027),

Gene: Maroc7_23 Start: 16098, Stop: 18569, Start Num: 135
Candidate Starts for Maroc7_23:
(Start: 135 @16098 has 221 MA's), (Start: 150 @16137 has 5 MA's), (171, 16200), (182, 16230), (188, 16251), (196, 16272), (202, 16284), (233, 16302), (260, 16392), (313, 16590), (319, 16623), (335, 16689), (396, 16944), (407, 16965), (414, 16992), (492, 17151), (519, 17187), (566, 17280), (572, 17301), (597, 17358), (637, 17478), (652, 17514), (667, 17544), (681, 17580), (705, 17646), (713, 17667), (749, 17808), (786, 17949), (797, 17970), (841, 18105), (875, 18282), (895, 18393), (911, 18480), (918, 18519), (921, 18549),

Gene: Marsha_24 Start: 16857, Stop: 19691, Start Num: 135
Candidate Starts for Marsha_24:
(Start: 135 @16857 has 221 MA's), (159, 16929), (257, 17172), (262, 17187), (276, 17232), (303, 17352), (307, 17370), (315, 17418), (323, 17463), (335, 17508), (336, 17511), (344, 17559), (385, 17742), (392, 17769), (412, 17853), (425, 17910), (431, 17928), (443, 17973), (455, 18009), (465, 18069), (479, 18117), (503, 18180), (505, 18183), (538, 18300), (556, 18336), (566, 18363), (569, 18375), (575, 18393), (583, 18408), (604, 18471), (645, 18600), (664, 18645), (674, 18678), (678, 18690), (722, 18819), (745, 18915), (766, 19002), (767, 19005), (774, 19023), (841, 19227), (875, 19404), (895, 19515), (911, 19602), (918, 19641), (921, 19671),

Gene: MaryBeth_24 Start: 16506, Stop: 18977, Start Num: 135
Candidate Starts for MaryBeth_24:
(Start: 135 @16506 has 221 MA's), (Start: 150 @16545 has 5 MA's), (171, 16608), (182, 16638), (188, 16659), (196, 16680), (202, 16692), (233, 16710), (260, 16800), (313, 16998), (319, 17031), (335, 17097), (396, 17352), (407, 17373), (414, 17400), (492, 17559), (519, 17595), (566, 17688), (572, 17709), (597, 17766), (637, 17886), (652, 17922), (667, 17952), (681, 17988), (705, 18054), (713, 18075), (749, 18216), (786, 18357), (797, 18378), (841, 18513), (875, 18690), (895, 18801), (911, 18888), (918, 18927), (920, 18942),

Gene: MarysWell_21 Start: 15213, Stop: 18551, Start Num: 1
Candidate Starts for MarysWell_21:
(Start: 1 @15213 has 40 MA's), (19, 15651), (Start: 95 @15963 has 129 MA's), (108, 16005), (118, 16041), (131, 16071), (152, 16128), (179, 16212), (202, 16275), (204, 16281), (261, 16383), (267, 16401), (294, 16494), (313, 16569), (322, 16614), (326, 16632), (337, 16677), (340, 16698), (385, 16890), (412, 16950), (435, 17028), (458, 17076), (499, 17154), (548, 17280), (556, 17292), (565, 17316), (593, 17379), (672, 17571), (680, 17601), (690, 17625), (693, 17637), (716, 17700), (749, 17823), (753, 17844), (758, 17865), (781, 17943), (789, 17964), (804, 18006), (813, 18027), (825, 18063), (842, 18114), (849, 18144), (863, 18207), (866, 18225), (880, 18306), (883, 18318), (885, 18330), (887, 18339), (898, 18393), (915, 18477), (919, 18516),

Gene: Maverick_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Maverick_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Maxo_25 Start: 15883, Stop: 18483, Start Num: 95
Candidate Starts for Maxo_25:
(Start: 95 @15883 has 129 MA's), (Start: 153 @16024 has 23 MA's), (Start: 163 @16042 has 10 MA's), (238, 16249), (248, 16288), (255, 16318), (290, 16435), (298, 16462), (313, 16525), (326,

16588), (337, 16633), (344, 16675), (362, 16759), (460, 17026), (490, 17077), (519, 17122), (554, 17200), (571, 17239), (581, 17260), (639, 17407), (649, 17428), (659, 17452), (680, 17518), (697, 17572), (713, 17620), (731, 17686), (767, 17851), (774, 17869), (822, 17995), (880, 18247), (881, 18250), (883, 18259), (895, 18319), (916, 18415), (921, 18463),

Gene: Mayonnaise_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Mayonnaise_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Mazhar510_25 Start: 15886, Stop: 18486, Start Num: 95
Candidate Starts for Mazhar510_25:
(Start: 95 @15886 has 129 MA's), (Start: 153 @16027 has 23 MA's), (Start: 163 @16045 has 10 MA's), (218, 16201), (238, 16252), (248, 16291), (255, 16321), (290, 16438), (298, 16465), (313, 16528), (326, 16591), (337, 16636), (344, 16678), (362, 16762), (460, 17029), (490, 17080), (519, 17125), (554, 17203), (569, 17236), (571, 17242), (619, 17356), (639, 17410), (659, 17455), (679, 17515), (697, 17575), (731, 17689), (767, 17854), (774, 17872), (822, 17998), (880, 18250), (881, 18253), (883, 18262), (895, 18322), (916, 18418), (921, 18466),

Gene: McFly_29 Start: 16735, Stop: 18939, Start Num: 93
Candidate Starts for McFly_29:
(41, 16576), (77, 16690), (Start: 93 @16735 has 49 MA's), (Start: 145 @16846 has 7 MA's), (147, 16852), (182, 16960), (196, 17002), (243, 17068), (273, 17161), (282, 17188), (313, 17311), (319, 17344), (339, 17434), (352, 17503), (425, 17746), (531, 17884), (623, 18004), (721, 18157), (749, 18220), (758, 18262), (789, 18361), (797, 18382), (804, 18403), (813, 18424), (830, 18475), (834, 18487), (840, 18502), (857, 18583), (873, 18661),

Gene: McGuire_25 Start: 16390, Stop: 18867, Start Num: 137
Candidate Starts for McGuire_25:
(Start: 137 @16390 has 9 MA's), (Start: 144 @16405 has 1 MA's), (182, 16519), (196, 16561), (284, 16768), (290, 16786), (313, 16876), (326, 16939), (333, 16963), (335, 16975), (344, 17026), (483, 17410), (538, 17512), (558, 17551), (569, 17578), (579, 17602), (625, 17731), (667, 17830), (705, 17932), (713, 17953), (725, 17995), (749, 18094), (762, 18157), (789, 18247), (834, 18376), (843, 18409), (875, 18580), (895, 18691), (907, 18757), (911, 18778), (918, 18817), (920, 18832),

Gene: McSinger_25 Start: 16766, Stop: 19237, Start Num: 135
Candidate Starts for McSinger_25:
(Start: 135 @16766 has 221 MA's), (Start: 150 @16805 has 5 MA's), (171, 16868), (182, 16898), (188, 16919), (196, 16940), (233, 16970), (240, 16994), (260, 17060), (313, 17258), (319, 17291), (335, 17357), (396, 17612), (407, 17633), (414, 17660), (492, 17819), (519, 17855), (566, 17948), (572, 17969), (597, 18026), (637, 18146), (652, 18182), (667, 18212), (681, 18248), (705, 18314), (713, 18335), (749, 18476), (786, 18617), (797, 18638), (841, 18773), (875, 18950), (895, 19061), (911, 19148), (918, 19187), (920, 19202),

Gene: Medusa_25 Start: 15886, Stop: 18486, Start Num: 95
Candidate Starts for Medusa_25:
(Start: 95 @15886 has 129 MA's), (Start: 153 @16027 has 23 MA's), (Start: 163 @16045 has 10 MA's), (238, 16252), (248, 16291), (255, 16321), (290, 16438), (298, 16465), (313, 16528), (326, 16591), (337, 16636), (344, 16678), (362, 16762), (460, 17029), (490, 17080), (519, 17125), (554,

17203), (569, 17236), (571, 17242), (613, 17338), (615, 17347), (639, 17410), (649, 17431), (661, 17458), (679, 17515), (680, 17521), (697, 17575), (713, 17623), (731, 17689), (767, 17854), (774, 17872), (822, 17998), (880, 18250), (881, 18253), (883, 18262), (895, 18322), (916, 18418), (921, 18466),

Gene: MeeZee_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for MeeZee_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (619, 17355), (639, 17409), (659, 17454), (679, 17514), (685, 17532), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: MegTheThird_25 Start: 15544, Stop: 18645, Start Num: 30
Candidate Starts for MegTheThird_25:
(Start: 30 @15544 has 1 MA's), (Start: 66 @15733 has 43 MA's), (69, 15745), (76, 15781), (112, 15898), (129, 15940), (173, 16066), (191, 16129), (212, 16183), (214, 16186), (236, 16312), (258, 16399), (264, 16411), (298, 16525), (302, 16546), (310, 16576), (319, 16621), (320, 16624), (323, 16642), (324, 16645), (330, 16666), (337, 16696), (338, 16708), (347, 16756), (354, 16789), (356, 16801), (381, 16906), (401, 17002), (404, 17014), (407, 17023), (410, 17032), (412, 17044), (417, 17068), (420, 17080), (422, 17089), (432, 17128), (438, 17152), (477, 17254), (479, 17260), (504, 17314), (542, 17434), (563, 17479), (568, 17500), (575, 17521), (577, 17524), (589, 17542), (590, 17545), (637, 17632), (722, 17845), (734, 17890), (739, 17902), (747, 17941), (761, 18007), (766, 18028), (767, 18031), (774, 18049), (778, 18070), (803, 18118), (814, 18151), (822, 18172), (829, 18199), (847, 18253), (865, 18331), (874, 18367), (881, 18418), (886, 18442), (899, 18517), (917, 18583), (922, 18625),

Gene: Melvin_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Melvin_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (679, 17514), (680, 17520), (681, 17523), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: MetalQZJ_24 Start: 16506, Stop: 18977, Start Num: 135
Candidate Starts for MetalQZJ_24:
(Start: 135 @16506 has 221 MA's), (Start: 150 @16545 has 5 MA's), (171, 16608), (182, 16638), (188, 16659), (196, 16680), (202, 16692), (233, 16710), (260, 16800), (313, 16998), (319, 17031), (335, 17097), (396, 17352), (407, 17373), (414, 17400), (492, 17559), (519, 17595), (566, 17688), (572, 17709), (597, 17766), (637, 17886), (652, 17922), (667, 17952), (681, 17988), (705, 18054), (713, 18075), (749, 18216), (786, 18357), (797, 18378), (841, 18513), (875, 18690), (895, 18801), (911, 18888), (918, 18927), (920, 18942),

Gene: Methuselah_26 Start: 16062, Stop: 19088, Start Num: 48
Candidate Starts for Methuselah_26:
(40, 16008), (Start: 48 @16062 has 89 MA's), (71, 16176), (88, 16242), (90, 16245), (92, 16254), (104, 16290), (122, 16341), (148, 16413), (171, 16485), (212, 16605), (214, 16608), (225, 16677), (231, 16722), (256, 16815), (262, 16824), (268, 16842), (278, 16869), (294, 16932), (298, 16944), (306, 16977), (310, 16995), (323, 17061), (324, 17064), (326, 17070), (330, 17085), (333, 17094), (335, 17106), (337, 17115), (350, 17193), (354, 17208), (381, 17325), (382, 17328), (386, 17355), (388,

17367), (401, 17421), (407, 17442), (422, 17508), (432, 17547), (468, 17640), (483, 17688), (504, 17733), (520, 17781), (530, 17823), (534, 17832), (547, 17862), (549, 17865), (555, 17877), (573, 17934), (575, 17940), (589, 17961), (590, 17964), (666, 18102), (671, 18114), (691, 18174), (711, 18231), (749, 18369), (753, 18390), (757, 18414), (767, 18459), (774, 18477), (789, 18525), (793, 18537), (814, 18579), (835, 18642), (852, 18699), (865, 18768), (874, 18804), (887, 18885), (916, 19020),

Gene: Micasa_22 Start: 15213, Stop: 18557, Start Num: 1
Candidate Starts for Micasa_22:
(Start: 1 @15213 has 40 MA's), (19, 15651), (Start: 95 @15963 has 129 MA's), (118, 16041), (131, 16071), (152, 16128), (179, 16212), (202, 16275), (204, 16281), (267, 16401), (294, 16494), (313, 16569), (322, 16614), (326, 16632), (337, 16677), (340, 16698), (385, 16890), (435, 17028), (458, 17076), (499, 17154), (502, 17157), (537, 17253), (548, 17280), (565, 17316), (568, 17328), (593, 17385), (672, 17577), (680, 17607), (690, 17631), (693, 17643), (716, 17706), (749, 17829), (753, 17850), (758, 17871), (781, 17949), (789, 17970), (804, 18012), (813, 18033), (842, 18120), (849, 18150), (863, 18213), (866, 18231), (880, 18312), (883, 18324), (885, 18336), (887, 18345), (898, 18399), (915, 18483), (919, 18522),

Gene: Michley_24 Start: 16251, Stop: 18722, Start Num: 135
Candidate Starts for Michley_24:
(Start: 135 @16251 has 221 MA's), (Start: 150 @16290 has 5 MA's), (171, 16353), (182, 16383), (188, 16404), (196, 16425), (233, 16455), (240, 16479), (260, 16545), (313, 16743), (319, 16776), (335, 16842), (396, 17097), (407, 17118), (414, 17145), (492, 17304), (519, 17340), (566, 17433), (572, 17454), (579, 17469), (588, 17490), (591, 17493), (611, 17562), (625, 17598), (637, 17631), (652, 17667), (667, 17697), (681, 17733), (705, 17799), (713, 17820), (749, 17961), (786, 18102), (797, 18123), (841, 18258), (875, 18435), (895, 18546), (907, 18612), (911, 18633), (918, 18672), (920, 18687),

Gene: Microwolf_27 Start: 15980, Stop: 19006, Start Num: 48
Candidate Starts for Microwolf_27:
(40, 15926), (Start: 48 @15980 has 89 MA's), (71, 16094), (88, 16160), (90, 16163), (92, 16172), (104, 16208), (122, 16259), (148, 16331), (171, 16403), (212, 16523), (214, 16526), (225, 16595), (231, 16640), (256, 16733), (262, 16742), (268, 16760), (278, 16787), (294, 16850), (298, 16862), (306, 16895), (310, 16913), (323, 16979), (324, 16982), (326, 16988), (330, 17003), (333, 17012), (335, 17024), (337, 17033), (354, 17126), (381, 17243), (382, 17246), (386, 17273), (388, 17285), (401, 17339), (407, 17360), (422, 17426), (427, 17453), (468, 17558), (483, 17606), (504, 17651), (520, 17699), (530, 17741), (534, 17750), (547, 17780), (549, 17783), (555, 17795), (573, 17852), (575, 17858), (589, 17879), (590, 17882), (666, 18020), (671, 18032), (691, 18092), (713, 18152), (722, 18182), (723, 18185), (725, 18194), (749, 18287), (767, 18377), (789, 18443), (793, 18455), (814, 18497), (835, 18560), (852, 18617), (865, 18686), (874, 18722), (887, 18803), (916, 18938),

Gene: MiculUcigas_26 Start: 16672, Stop: 19179, Start Num: 130
Candidate Starts for MiculUcigas_26:
(Start: 130 @16672 has 101 MA's), (173, 16783), (193, 16840), (253, 17026), (278, 17089), (285, 17122), (287, 17128), (330, 17308), (333, 17317), (337, 17338), (340, 17359), (341, 17362), (344, 17380), (355, 17440), (381, 17548), (388, 17590), (401, 17644), (407, 17665), (421, 17728), (422, 17731), (426, 17749), (432, 17770), (504, 17956), (511, 17971), (516, 17998), (534, 18055), (540, 18070), (542, 18076), (547, 18085), (550, 18091), (563, 18121), (568, 18142), (590, 18187), (601, 18193), (611, 18226), (620, 18253), (666, 18325), (671, 18337), (691, 18397), (701, 18424), (722, 18487), (734, 18532), (739, 18544), (746, 18580), (756, 18616), (761, 18649), (803, 18712), (814, 18736), (868, 18880), (886, 18979), (901, 19066), (924, 19165),

Gene: Midas2_22 Start: 15213, Stop: 18551, Start Num: 1

Candidate Starts for Midas2_22:
(Start: 1 @15213 has 40 MA's), (19, 15651), (Start: 95 @15963 has 129 MA's), (118, 16041), (131, 16071), (152, 16128), (202, 16275), (204, 16281), (267, 16401), (270, 16410), (293, 16491), (294, 16494), (313, 16569), (322, 16614), (326, 16632), (337, 16677), (340, 16698), (385, 16890), (435, 17028), (458, 17076), (499, 17154), (548, 17280), (556, 17292), (565, 17316), (593, 17379), (672, 17571), (680, 17601), (690, 17625), (693, 17637), (716, 17700), (749, 17823), (753, 17844), (758, 17865), (781, 17943), (789, 17964), (804, 18006), (813, 18027), (842, 18114), (849, 18144), (863, 18207), (866, 18225), (880, 18306), (883, 18318), (885, 18330), (887, 18339), (898, 18393), (915, 18477), (919, 18516),

Gene: Miko_29 Start: 18238, Stop: 20766, Start Num: 130
Candidate Starts for Miko_29:
(Start: 130 @18238 has 101 MA's), (173, 18349), (175, 18361), (198, 18418), (199, 18421), (253, 18610), (278, 18673), (298, 18748), (309, 18790), (310, 18799), (314, 18820), (319, 18844), (335, 18910), (337, 18919), (340, 18940), (341, 18943), (381, 19129), (388, 19171), (407, 19246), (422, 19312), (432, 19351), (504, 19537), (534, 19636), (542, 19657), (563, 19702), (572, 19735), (573, 19738), (589, 19765), (611, 19807), (620, 19834), (666, 19906), (671, 19918), (698, 20002), (699, 20005), (722, 20068), (734, 20113), (739, 20125), (757, 20209), (773, 20263), (826, 20347), (846, 20371), (873, 20488), (886, 20566),

Gene: Milcery_22 Start: 15249, Stop: 18587, Start Num: 1
Candidate Starts for Milcery_22:
(Start: 1 @15249 has 40 MA's), (19, 15687), (Start: 95 @15999 has 129 MA's), (118, 16077), (131, 16107), (152, 16164), (179, 16248), (202, 16311), (204, 16317), (267, 16437), (293, 16527), (294, 16530), (313, 16605), (322, 16650), (326, 16668), (337, 16713), (340, 16734), (385, 16926), (435, 17064), (458, 17112), (499, 17190), (548, 17316), (556, 17328), (565, 17352), (593, 17415), (672, 17607), (680, 17637), (690, 17661), (693, 17673), (716, 17736), (749, 17859), (753, 17880), (758, 17901), (781, 17979), (789, 18000), (804, 18042), (813, 18063), (842, 18150), (849, 18180), (863, 18243), (866, 18261), (880, 18342), (883, 18354), (885, 18366), (887, 18375), (898, 18429), (915, 18513), (916, 18522), (919, 18552),

Gene: MilleFeuille_23 Start: 15848, Stop: 18682, Start Num: 135
Candidate Starts for MilleFeuille_23:
(Start: 135 @15848 has 221 MA's), (159, 15920), (257, 16163), (262, 16178), (276, 16223), (303, 16343), (307, 16361), (315, 16409), (323, 16454), (335, 16499), (336, 16502), (344, 16550), (385, 16733), (392, 16760), (412, 16844), (425, 16901), (431, 16919), (443, 16964), (455, 17000), (465, 17060), (479, 17108), (503, 17171), (505, 17174), (531, 17267), (538, 17291), (556, 17327), (566, 17354), (569, 17366), (575, 17384), (583, 17399), (604, 17462), (645, 17591), (664, 17636), (674, 17669), (678, 17681), (722, 17810), (745, 17906), (766, 17993), (767, 17996), (774, 18014), (841, 18218), (875, 18395), (895, 18506), (911, 18593), (918, 18632), (920, 18647),

Gene: Millski_24 Start: 15888, Stop: 18488, Start Num: 95
Candidate Starts for Millski_24:
(Start: 95 @15888 has 129 MA's), (Start: 153 @16029 has 23 MA's), (Start: 163 @16047 has 10 MA's), (238, 16254), (248, 16293), (255, 16323), (282, 16407), (290, 16440), (298, 16467), (313, 16530), (326, 16593), (337, 16638), (344, 16680), (362, 16764), (460, 17031), (490, 17082), (519, 17127), (554, 17205), (571, 17244), (639, 17412), (649, 17433), (659, 17457), (680, 17523), (697, 17577), (713, 17625), (731, 17691), (767, 17856), (774, 17874), (822, 18000), (880, 18252), (881, 18255), (883, 18264), (895, 18324), (916, 18420), (921, 18468),

Gene: MinecraftSteve_29 Start: 15877, Stop: 18231, Start Num: 99
Candidate Starts for MinecraftSteve_29:

(Start: 95 @15868 has 129 MA's), (Start: 99 @15877 has 4 MA's), (Start: 156 @16045 has 18 MA's), (267, 16285), (269, 16291), (289, 16360), (304, 16417), (337, 16561), (344, 16603), (353, 16651), (354, 16654), (384, 16765), (387, 16783), (425, 16888), (445, 16936), (515, 17041), (541, 17101), (569, 17155), (592, 17191), (599, 17215), (602, 17224), (624, 17287), (636, 17308), (640, 17323), (654, 17347), (659, 17359), (689, 17413), (695, 17434), (709, 17464), (771, 17635), (777, 17656), (813, 17740), (887, 18043), (916, 18166), (917, 18178),

Gene: Minispark_24 Start: 15668, Stop: 18586, Start Num: 66
Candidate Starts for Minispark_24:
(Start: 66 @15668 has 43 MA's), (69, 15680), (112, 15839), (129, 15881), (Start: 138 @15902 has 1 MA's), (178, 16028), (191, 16070), (212, 16124), (214, 16127), (236, 16253), (253, 16328), (256, 16337), (258, 16340), (264, 16352), (308, 16505), (310, 16517), (313, 16529), (314, 16538), (319, 16562), (323, 16583), (324, 16586), (330, 16607), (335, 16628), (337, 16637), (338, 16649), (347, 16697), (356, 16742), (381, 16847), (395, 16910), (400, 16940), (401, 16943), (407, 16964), (410, 16973), (412, 16985), (417, 17009), (422, 17030), (504, 17255), (509, 17267), (518, 17300), (542, 17375), (547, 17384), (563, 17420), (568, 17441), (569, 17444), (575, 17462), (577, 17465), (589, 17483), (590, 17486), (609, 17513), (615, 17540), (649, 17600), (685, 17678), (722, 17786), (734, 17831), (747, 17882), (764, 17963), (766, 17969), (768, 17978), (785, 18029), (814, 18092), (822, 18113), (833, 18152), (847, 18194), (865, 18272), (872, 18299), (881, 18359), (886, 18383), (899, 18458), (917, 18524), (922, 18566),

Gene: Miramae_25 Start: 15828, Stop: 18428, Start Num: 95
Candidate Starts for Miramae_25:
(Start: 95 @15828 has 129 MA's), (Start: 174 @16011 has 1 MA's), (230, 16170), (243, 16218), (290, 16380), (295, 16398), (313, 16470), (337, 16578), (352, 16662), (423, 16911), (478, 16998), (490, 17022), (519, 17067), (569, 17178), (571, 17184), (628, 17316), (639, 17352), (649, 17373), (661, 17400), (679, 17457), (697, 17517), (731, 17631), (767, 17796), (774, 17814), (799, 17883), (822, 17940), (870, 18129), (881, 18195), (883, 18204), (895, 18264), (897, 18273), (902, 18309), (909, 18327), (916, 18360), (921, 18408),

Gene: Misomonster_29 Start: 16062, Stop: 19088, Start Num: 48
Candidate Starts for Misomonster_29:
(40, 16008), (Start: 48 @16062 has 89 MA's), (71, 16176), (88, 16242), (90, 16245), (92, 16254), (104, 16290), (122, 16341), (148, 16413), (171, 16485), (212, 16605), (214, 16608), (225, 16677), (231, 16722), (256, 16815), (262, 16824), (268, 16842), (278, 16869), (294, 16932), (298, 16944), (306, 16977), (310, 16995), (323, 17061), (324, 17064), (326, 17070), (330, 17085), (333, 17094), (335, 17106), (337, 17115), (350, 17193), (354, 17208), (381, 17325), (382, 17328), (386, 17355), (388, 17367), (401, 17421), (407, 17442), (422, 17508), (432, 17547), (468, 17640), (483, 17688), (504, 17733), (520, 17781), (530, 17823), (534, 17832), (547, 17862), (549, 17865), (555, 17877), (573, 17934), (575, 17940), (589, 17961), (590, 17964), (666, 18102), (671, 18114), (691, 18174), (711, 18231), (749, 18369), (753, 18390), (757, 18414), (767, 18459), (774, 18477), (789, 18525), (793, 18537), (814, 18579), (835, 18642), (852, 18699), (865, 18768), (874, 18804), (887, 18885), (916, 19020),

Gene: MissWhite_26 Start: 15738, Stop: 18245, Start Num: 130
Candidate Starts for MissWhite_26:
(Start: 130 @15738 has 101 MA's), (173, 15849), (197, 15915), (198, 15918), (257, 16095), (262, 16110), (265, 16119), (283, 16176), (298, 16230), (310, 16281), (324, 16350), (326, 16356), (330, 16371), (333, 16380), (335, 16392), (337, 16401), (356, 16506), (365, 16539), (381, 16611), (401, 16707), (407, 16728), (417, 16773), (422, 16794), (427, 16821), (462, 16920), (494, 17001), (504, 17019), (511, 17034), (516, 17061), (520, 17067), (534, 17118), (539, 17130), (542, 17139), (550, 17154), (563, 17184), (589, 17247), (590, 17250), (620, 17316), (644, 17358), (666, 17388), (671, 17400), (691, 17460), (692, 17463), (701, 17487), (711, 17517), (722, 17550), (739, 17607), (757,

17691), (806, 17787), (809, 17796), (855, 17892), (866, 17940), (873, 17970), (886, 18048),

Gene: Mkhuseli_25 Start: 16421, Stop: 18892, Start Num: 135
Candidate Starts for Mkhuseli_25:
(Start: 135 @16421 has 221 MA's), (Start: 150 @16460 has 5 MA's), (171, 16523), (182, 16553), (188, 16574), (196, 16595), (202, 16607), (233, 16625), (260, 16715), (313, 16913), (319, 16946), (335, 17012), (396, 17267), (407, 17288), (414, 17315), (492, 17474), (519, 17510), (566, 17603), (572, 17624), (597, 17681), (637, 17801), (652, 17837), (667, 17867), (681, 17903), (705, 17969), (713, 17990), (725, 18032), (749, 18131), (786, 18272), (797, 18293), (841, 18428), (861, 18524), (875, 18605), (895, 18716), (911, 18803), (918, 18842), (920, 18857),

Gene: Molly_25 Start: 16128, Stop: 18608, Start Num: 135
Candidate Starts for Molly_25:
(Start: 135 @16128 has 221 MA's), (Start: 150 @16167 has 5 MA's), (171, 16230), (182, 16260), (196, 16302), (284, 16509), (290, 16527), (313, 16617), (326, 16680), (333, 16704), (335, 16716), (344, 16767), (483, 17151), (538, 17253), (558, 17292), (566, 17307), (569, 17319), (579, 17343), (625, 17472), (667, 17571), (705, 17673), (713, 17694), (725, 17736), (749, 17835), (762, 17898), (789, 17988), (834, 18117), (843, 18150), (895, 18432), (907, 18498), (911, 18519), (918, 18558), (920, 18573),

Gene: Monet_26 Start: 17622, Stop: 20093, Start Num: 135
Candidate Starts for Monet_26:
(Start: 135 @17622 has 221 MA's), (Start: 150 @17661 has 5 MA's), (171, 17724), (182, 17754), (188, 17775), (196, 17796), (202, 17808), (233, 17826), (260, 17916), (313, 18114), (319, 18147), (335, 18213), (396, 18468), (407, 18489), (414, 18516), (423, 18555), (448, 18612), (478, 18642), (492, 18675), (519, 18711), (566, 18804), (572, 18825), (597, 18882), (637, 19002), (652, 19038), (667, 19068), (681, 19104), (705, 19170), (713, 19191), (725, 19233), (748, 19329), (749, 19332), (762, 19395), (786, 19473), (797, 19494), (861, 19725), (875, 19806), (895, 19917), (911, 20004), (918, 20043), (921, 20073),

Gene: MoneyMay_27 Start: 15978, Stop: 19004, Start Num: 48
Candidate Starts for MoneyMay_27:
(40, 15924), (Start: 48 @15978 has 89 MA's), (71, 16092), (88, 16158), (90, 16161), (92, 16170), (104, 16206), (122, 16257), (148, 16329), (171, 16401), (212, 16521), (214, 16524), (225, 16593), (231, 16638), (256, 16731), (262, 16740), (268, 16758), (278, 16785), (294, 16848), (298, 16860), (306, 16893), (310, 16911), (323, 16977), (324, 16980), (326, 16986), (330, 17001), (333, 17010), (335, 17022), (337, 17031), (350, 17109), (354, 17124), (381, 17241), (382, 17244), (386, 17271), (388, 17283), (401, 17337), (407, 17358), (422, 17424), (432, 17463), (468, 17556), (483, 17604), (504, 17649), (520, 17697), (530, 17739), (534, 17748), (547, 17778), (549, 17781), (555, 17793), (573, 17850), (575, 17856), (589, 17877), (590, 17880), (666, 18018), (671, 18030), (691, 18090), (711, 18147), (749, 18285), (753, 18306), (757, 18330), (767, 18375), (774, 18393), (789, 18441), (793, 18453), (814, 18495), (835, 18558), (852, 18615), (865, 18684), (874, 18720), (887, 18801), (916, 18936),

Gene: Montavir_26 Start: 15979, Stop: 19005, Start Num: 48
Candidate Starts for Montavir_26:
(40, 15925), (Start: 48 @15979 has 89 MA's), (71, 16093), (88, 16159), (90, 16162), (92, 16171), (104, 16207), (122, 16258), (148, 16330), (171, 16402), (212, 16522), (214, 16525), (225, 16594), (231, 16639), (256, 16732), (262, 16741), (268, 16759), (278, 16786), (294, 16849), (298, 16861), (306, 16894), (310, 16912), (323, 16978), (324, 16981), (326, 16987), (330, 17002), (333, 17011), (335, 17023), (337, 17032), (350, 17110), (354, 17125), (381, 17242), (382, 17245), (386, 17272), (388, 17284), (401, 17338), (407, 17359), (422, 17425), (432, 17464), (468, 17557), (483, 17605), (504, 17650), (520, 17698), (530, 17740), (534, 17749), (547, 17779), (549, 17782), (555, 17794), (573,

17851), (575, 17857), (589, 17878), (590, 17881), (666, 18019), (671, 18031), (691, 18091), (711, 18148), (749, 18286), (753, 18307), (757, 18331), (767, 18376), (774, 18394), (789, 18442), (793, 18454), (814, 18496), (835, 18559), (852, 18616), (865, 18685), (874, 18721), (887, 18802), (916, 18937),

Gene: Moose_23 Start: 16363, Stop: 18834, Start Num: 135
Candidate Starts for Moose_23:
(Start: 135 @16363 has 221 MA's), (Start: 150 @16402 has 5 MA's), (171, 16465), (182, 16495), (188, 16516), (196, 16537), (202, 16549), (233, 16567), (260, 16657), (313, 16855), (319, 16888), (335, 16954), (396, 17209), (407, 17230), (414, 17257), (492, 17416), (519, 17452), (566, 17545), (572, 17566), (597, 17623), (637, 17743), (652, 17779), (667, 17809), (681, 17845), (705, 17911), (713, 17932), (749, 18073), (786, 18214), (797, 18235), (861, 18466), (875, 18547), (895, 18658), (902, 18700), (911, 18745), (918, 18784), (920, 18799),

Gene: Morpher26_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Morpher26_25:
(Start: 95 @15885 has 129 MA's), (218, 16200), (230, 16227), (243, 16275), (261, 16332), (290, 16437), (294, 16452), (298, 16464), (313, 16527), (337, 16635), (340, 16656), (344, 16677), (490, 17079), (517, 17121), (519, 17124), (569, 17235), (571, 17241), (628, 17373), (639, 17409), (661, 17457), (697, 17574), (731, 17688), (767, 17853), (774, 17871), (815, 17985), (822, 17997), (851, 18087), (869, 18180), (881, 18252), (883, 18261), (895, 18321), (897, 18330), (916, 18417), (921, 18465),

Gene: Morrow_25 Start: 15888, Stop: 18488, Start Num: 95
Candidate Starts for Morrow_25:
(Start: 95 @15888 has 129 MA's), (Start: 153 @16029 has 23 MA's), (Start: 163 @16047 has 10 MA's), (238, 16254), (248, 16293), (255, 16323), (290, 16440), (298, 16467), (313, 16530), (326, 16593), (337, 16638), (344, 16680), (362, 16764), (423, 16971), (460, 17031), (490, 17082), (519, 17127), (554, 17205), (569, 17238), (571, 17244), (639, 17412), (649, 17433), (659, 17457), (679, 17517), (680, 17523), (681, 17526), (697, 17577), (713, 17625), (731, 17691), (767, 17856), (774, 17874), (822, 18000), (880, 18252), (881, 18255), (883, 18264), (895, 18324), (916, 18420), (921, 18468),

Gene: MrGordo_24 Start: 16064, Stop: 18535, Start Num: 135
Candidate Starts for MrGordo_24:
(Start: 135 @16064 has 221 MA's), (Start: 150 @16103 has 5 MA's), (171, 16166), (182, 16196), (188, 16217), (196, 16238), (233, 16268), (240, 16292), (260, 16358), (313, 16556), (319, 16589), (335, 16655), (396, 16910), (407, 16931), (414, 16958), (492, 17117), (519, 17153), (566, 17246), (572, 17267), (579, 17282), (588, 17303), (591, 17306), (611, 17375), (625, 17411), (637, 17444), (652, 17480), (667, 17510), (681, 17546), (705, 17612), (713, 17633), (749, 17774), (786, 17915), (797, 17936), (841, 18071), (875, 18248), (895, 18359), (911, 18446), (918, 18485), (920, 18500),

Gene: Mryolo_23 Start: 16114, Stop: 18594, Start Num: 135
Candidate Starts for Mryolo_23:
(Start: 135 @16114 has 221 MA's), (Start: 150 @16153 has 5 MA's), (171, 16216), (182, 16246), (196, 16288), (284, 16495), (290, 16513), (313, 16603), (326, 16666), (333, 16690), (335, 16702), (344, 16753), (483, 17137), (538, 17239), (558, 17278), (569, 17305), (579, 17329), (625, 17458), (667, 17557), (705, 17659), (713, 17680), (718, 17692), (725, 17722), (749, 17821), (762, 17884), (834, 18103), (843, 18136), (875, 18307), (895, 18418), (902, 18460), (911, 18505), (918, 18544), (920, 18559),

Gene: MuchMore_29 Start: 15971, Stop: 18997, Start Num: 48
Candidate Starts for MuchMore_29:

(40, 15917), (Start: 48 @15971 has 89 MA's), (71, 16085), (88, 16151), (90, 16154), (92, 16163), (104, 16199), (122, 16250), (148, 16322), (171, 16394), (212, 16514), (214, 16517), (225, 16586), (231, 16631), (256, 16724), (262, 16733), (268, 16751), (278, 16778), (294, 16841), (298, 16853), (306, 16886), (310, 16904), (323, 16970), (324, 16973), (326, 16979), (330, 16994), (333, 17003), (335, 17015), (337, 17024), (354, 17117), (381, 17234), (382, 17237), (386, 17264), (388, 17276), (401, 17330), (407, 17351), (422, 17417), (427, 17444), (468, 17549), (483, 17597), (504, 17642), (520, 17690), (530, 17732), (534, 17741), (547, 17771), (549, 17774), (555, 17786), (573, 17843), (575, 17849), (589, 17870), (590, 17873), (666, 18011), (671, 18023), (691, 18083), (713, 18143), (722, 18173), (723, 18176), (725, 18185), (749, 18278), (767, 18368), (789, 18434), (793, 18446), (814, 18488), (835, 18551), (852, 18608), (865, 18677), (874, 18713), (887, 18794), (916, 18929),

Gene: Mulciber_26 Start: 17157, Stop: 19703, Start Num: 91
Candidate Starts for Mulciber_26:
(Start: 91 @17157 has 24 MA's), (Start: 96 @17175 has 4 MA's), (Start: 156 @17349 has 18 MA's), (159, 17358), (196, 17433), (248, 17487), (265, 17541), (270, 17556), (271, 17559), (278, 17577), (294, 17640), (298, 17652), (313, 17715), (326, 17778), (330, 17793), (333, 17802), (337, 17823), (341, 17847), (344, 17862), (364, 17949), (366, 17952), (372, 17967), (378, 17988), (380, 18000), (396, 18066), (418, 18138), (425, 18162), (454, 18243), (457, 18252), (462, 18264), (471, 18306), (513, 18363), (532, 18417), (577, 18525), (595, 18564), (647, 18705), (690, 18801), (695, 18822), (708, 18855), (721, 18888), (722, 18891), (748, 18975), (758, 19020), (759, 19023), (792, 19137), (804, 19170), (830, 19242), (842, 19278), (857, 19350), (873, 19428), (881, 19482), (886, 19506), (912, 19617),

Gene: Mule_24 Start: 16401, Stop: 18881, Start Num: 135
Candidate Starts for Mule_24:
(Start: 135 @16401 has 221 MA's), (Start: 150 @16440 has 5 MA's), (171, 16503), (182, 16533), (196, 16575), (284, 16782), (290, 16800), (313, 16890), (326, 16953), (333, 16977), (335, 16989), (344, 17040), (483, 17424), (538, 17526), (558, 17565), (569, 17592), (579, 17616), (625, 17745), (667, 17844), (705, 17946), (713, 17967), (725, 18009), (749, 18108), (762, 18171), (834, 18390), (843, 18423), (895, 18705), (911, 18792), (918, 18831), (920, 18846),

Gene: Munch_26 Start: 17163, Stop: 19709, Start Num: 91
Candidate Starts for Munch_26:
(Start: 91 @17163 has 24 MA's), (Start: 96 @17181 has 4 MA's), (Start: 156 @17355 has 18 MA's), (159, 17364), (196, 17439), (248, 17493), (265, 17547), (270, 17562), (271, 17565), (278, 17583), (294, 17646), (298, 17658), (313, 17721), (326, 17784), (330, 17799), (333, 17808), (337, 17829), (341, 17853), (344, 17868), (364, 17955), (366, 17958), (372, 17973), (378, 17994), (380, 18006), (396, 18072), (416, 18135), (418, 18144), (425, 18168), (454, 18249), (457, 18258), (462, 18270), (471, 18312), (513, 18369), (532, 18423), (577, 18531), (595, 18570), (647, 18711), (690, 18807), (695, 18828), (708, 18861), (721, 18894), (722, 18897), (748, 18981), (758, 19026), (759, 19029), (792, 19143), (804, 19176), (830, 19248), (842, 19284), (857, 19356), (873, 19434), (881, 19488), (886, 19512), (912, 19623),

Gene: Mundrea_25 Start: 15850, Stop: 18450, Start Num: 95
Candidate Starts for Mundrea_25:
(Start: 95 @15850 has 129 MA's), (230, 16192), (243, 16240), (261, 16297), (290, 16402), (294, 16417), (313, 16492), (337, 16600), (340, 16621), (344, 16642), (478, 17020), (484, 17032), (490, 17044), (519, 17089), (521, 17098), (569, 17200), (571, 17206), (581, 17227), (661, 17422), (673, 17461), (723, 17620), (727, 17641), (731, 17653), (737, 17671), (767, 17818), (774, 17836), (822, 17962), (851, 18052), (869, 18145), (881, 18217), (883, 18226), (895, 18286), (897, 18295), (902, 18331), (916, 18382), (921, 18430),

Gene: Museum_26 Start: 16420, Stop: 18891, Start Num: 135

Candidate Starts for Museum_26:
(Start: 135 @16420 has 221 MA's), (Start: 150 @16459 has 5 MA's), (171, 16522), (182, 16552), (188, 16573), (196, 16594), (202, 16606), (233, 16624), (240, 16648), (260, 16714), (313, 16912), (319, 16945), (335, 17011), (396, 17266), (407, 17287), (414, 17314), (492, 17473), (519, 17509), (566, 17602), (572, 17623), (597, 17680), (637, 17800), (652, 17836), (667, 17866), (681, 17902), (705, 17968), (713, 17989), (749, 18130), (786, 18271), (797, 18292), (841, 18427), (875, 18604), (895, 18715), (907, 18781), (911, 18802), (918, 18841), (920, 18856),

Gene: MyraDee_23 Start: 14094, Stop: 16709, Start Num: 95
Candidate Starts for MyraDee_23:
(Start: 95 @14094 has 129 MA's), (111, 14151), (120, 14175), (161, 14274), (170, 14292), (204, 14394), (206, 14400), (243, 14445), (246, 14454), (288, 14592), (298, 14625), (313, 14688), (326, 14751), (330, 14766), (337, 14796), (339, 14811), (344, 14838), (364, 14925), (375, 14955), (387, 15018), (418, 15099), (423, 15114), (425, 15123), (433, 15141), (586, 15507), (594, 15528), (699, 15813), (704, 15825), (719, 15858), (749, 15963), (758, 16005), (779, 16080), (786, 16095), (789, 16104), (804, 16146), (842, 16245), (863, 16335), (880, 16434), (881, 16437), (885, 16458), (892, 16485), (908, 16581), (910, 16593), (915, 16608), (918, 16638),

Gene: Myxus_27 Start: 17590, Stop: 20499, Start Num: 66
Candidate Starts for Myxus_27:
(Start: 66 @17590 has 43 MA's), (69, 17602), (85, 17662), (Start: 138 @17821 has 1 MA's), (157, 17884), (178, 17947), (191, 17989), (214, 18046), (258, 18256), (262, 18262), (267, 18277), (293, 18367), (294, 18370), (298, 18382), (309, 18424), (319, 18478), (337, 18553), (340, 18574), (341, 18577), (344, 18595), (356, 18658), (375, 18724), (381, 18763), (385, 18790), (388, 18805), (396, 18835), (401, 18859), (404, 18871), (407, 18880), (422, 18946), (432, 18985), (456, 19051), (468, 19078), (474, 19105), (504, 19171), (518, 19216), (542, 19291), (563, 19336), (568, 19357), (575, 19378), (577, 19381), (589, 19399), (590, 19402), (609, 19429), (644, 19510), (671, 19552), (722, 19702), (726, 19717), (734, 19747), (747, 19798), (766, 19885), (768, 19894), (785, 19945), (814, 20008), (822, 20029), (833, 20065), (846, 20101), (847, 20107), (865, 20185), (872, 20212), (881, 20272), (895, 20341), (899, 20371), (905, 20398), (917, 20437), (922, 20479),

Gene: NEHalo_24 Start: 16149, Stop: 18629, Start Num: 135
Candidate Starts for NEHalo_24:
(Start: 135 @16149 has 221 MA's), (Start: 150 @16188 has 5 MA's), (171, 16251), (182, 16281), (196, 16323), (284, 16530), (290, 16548), (313, 16638), (326, 16701), (333, 16725), (335, 16737), (344, 16788), (483, 17172), (538, 17274), (558, 17313), (566, 17328), (569, 17340), (579, 17364), (625, 17493), (667, 17592), (705, 17694), (713, 17715), (725, 17757), (749, 17856), (762, 17919), (789, 18009), (834, 18138), (843, 18171), (895, 18453), (907, 18519), (911, 18540), (918, 18579), (920, 18594),

Gene: NaSiaTalie_26 Start: 16670, Stop: 19177, Start Num: 130
Candidate Starts for NaSiaTalie_26:
(Start: 130 @16670 has 101 MA's), (173, 16781), (193, 16838), (253, 17024), (278, 17087), (285, 17120), (287, 17126), (330, 17306), (333, 17315), (336, 17330), (337, 17336), (340, 17357), (341, 17360), (344, 17378), (355, 17438), (381, 17546), (388, 17588), (401, 17642), (407, 17663), (421, 17726), (422, 17729), (426, 17747), (432, 17768), (504, 17954), (511, 17969), (516, 17996), (534, 18053), (540, 18068), (542, 18074), (547, 18083), (550, 18089), (563, 18119), (568, 18140), (590, 18185), (601, 18191), (611, 18224), (620, 18251), (666, 18323), (671, 18335), (691, 18395), (701, 18422), (722, 18485), (734, 18530), (746, 18578), (756, 18614), (761, 18647), (803, 18710), (814, 18734), (868, 18878), (886, 18977), (901, 19064), (924, 19163),

Gene: Naca_22 Start: 15172, Stop: 18438, Start Num: 1
Candidate Starts for Naca_22:

(Start: 1 @15172 has 40 MA's), (9, 15409), (16, 15511), (17, 15520), (20, 15613), (24, 15640), (64, 15715), (Start: 95 @15850 has 129 MA's), (110, 15904), (131, 15958), (179, 16099), (186, 16123), (202, 16162), (246, 16225), (247, 16228), (267, 16288), (277, 16315), (294, 16381), (318, 16480), (326, 16519), (337, 16564), (341, 16588), (356, 16669), (425, 16891), (435, 16915), (458, 16963), (488, 17020), (491, 17026), (523, 17098), (548, 17167), (572, 17224), (580, 17242), (593, 17266), (614, 17338), (690, 17512), (693, 17524), (716, 17587), (740, 17674), (749, 17710), (753, 17731), (758, 17752), (789, 17851), (804, 17893), (813, 17914), (842, 18001), (849, 18031), (850, 18034), (863, 18094), (880, 18193), (883, 18205), (885, 18217), (887, 18226), (916, 18373),

Gene: Naira_25 Start: 17895, Stop: 20510, Start Num: 135
Candidate Starts for Naira_25:
(Start: 135 @17895 has 221 MA's), (Start: 150 @17934 has 5 MA's), (171, 17997), (Start: 174 @18003 has 1 MA's), (182, 18027), (245, 18135), (298, 18306), (312, 18366), (313, 18369), (338, 18492), (344, 18522), (357, 18585), (417, 18804), (438, 18876), (463, 18924), (476, 18969), (564, 19194), (566, 19203), (579, 19239), (597, 19281), (669, 19485), (710, 19599), (713, 19608), (720, 19629), (725, 19650), (749, 19749), (758, 19791), (759, 19794), (802, 19923), (830, 20007), (844, 20052), (895, 20334), (907, 20400), (911, 20421), (918, 20460), (920, 20475),

Gene: Naji_29 Start: 16508, Stop: 19021, Start Num: 130
Candidate Starts for Naji_29:
(Start: 130 @16508 has 101 MA's), (198, 16688), (199, 16691), (277, 16934), (278, 16937), (293, 16997), (298, 17012), (305, 17042), (306, 17045), (323, 17129), (330, 17153), (336, 17177), (340, 17204), (341, 17207), (363, 17318), (381, 17393), (385, 17420), (388, 17435), (401, 17489), (407, 17510), (422, 17576), (426, 17594), (427, 17603), (462, 17702), (474, 17735), (478, 17744), (504, 17801), (511, 17816), (542, 17921), (590, 18032), (604, 18044), (605, 18050), (614, 18083), (615, 18086), (677, 18203), (722, 18332), (726, 18347), (734, 18377), (739, 18389), (746, 18425), (775, 18539), (795, 18551), (817, 18593), (882, 18800), (885, 18818), (886, 18821), (924, 19007),

Gene: NearlyHeadless_22 Start: 14564, Stop: 17641, Start Num: 12
Candidate Starts for NearlyHeadless_22:
(Start: 12 @14564 has 13 MA's), (16, 14648), (32, 14816), (36, 14840), (53, 14888), (82, 15008), (102, 15080), (158, 15230), (159, 15233), (162, 15239), (248, 15425), (252, 15446), (267, 15485), (288, 15557), (296, 15584), (299, 15599), (312, 15650), (313, 15653), (326, 15719), (364, 15887), (425, 16094), (445, 16142), (457, 16163), (458, 16166), (527, 16310), (548, 16367), (561, 16397), (574, 16436), (606, 16508), (614, 16538), (662, 16637), (674, 16667), (690, 16712), (749, 16910), (753, 16931), (756, 16943), (777, 17024), (789, 17051), (804, 17093), (813, 17114), (822, 17138), (832, 17168), (842, 17201), (850, 17234), (863, 17294), (868, 17321), (886, 17420), (904, 17516), (912, 17537), (918, 17576), (925, 17624),

Gene: Nebs_25 Start: 15882, Stop: 18482, Start Num: 95
Candidate Starts for Nebs_25:
(Start: 95 @15882 has 129 MA's), (Start: 153 @16023 has 23 MA's), (Start: 163 @16041 has 10 MA's), (238, 16248), (248, 16287), (255, 16317), (290, 16434), (298, 16461), (313, 16524), (326, 16587), (337, 16632), (344, 16674), (362, 16758), (460, 17025), (490, 17076), (519, 17121), (554, 17199), (569, 17232), (571, 17238), (639, 17406), (649, 17427), (659, 17451), (679, 17511), (680, 17517), (681, 17520), (697, 17571), (713, 17619), (731, 17685), (767, 17850), (774, 17868), (822, 17994), (880, 18246), (881, 18249), (883, 18258), (895, 18318), (916, 18414), (921, 18462),

Gene: Nebulosus_28 Start: 15746, Stop: 18109, Start Num: 95
Candidate Starts for Nebulosus_28:
(Start: 95 @15746 has 129 MA's), (Start: 99 @15755 has 4 MA's), (Start: 156 @15923 has 18 MA's), (267, 16163), (269, 16169), (289, 16238), (304, 16295), (337, 16439), (344, 16481), (353, 16529), (354, 16532), (384, 16643), (387, 16661), (425, 16766), (445, 16814), (515, 16919), (541, 16979),

(569, 17033), (592, 17069), (599, 17093), (602, 17102), (624, 17165), (636, 17186), (640, 17201), (654, 17225), (659, 17237), (689, 17291), (695, 17312), (709, 17342), (771, 17513), (777, 17534), (813, 17618), (887, 17921), (916, 18044), (917, 18056),

Gene: Nedarya_27 Start: 16578, Stop: 18761, Start Num: 156
Candidate Starts for Nedarya_27:
(Start: 95 @16404 has 129 MA's), (Start: 99 @16413 has 4 MA's), (114, 16467), (Start: 156 @16578 has 18 MA's), (252, 16782), (259, 16797), (267, 16821), (269, 16827), (294, 16914), (295, 16917), (304, 16953), (313, 16989), (319, 17022), (326, 17052), (330, 17067), (335, 17088), (341, 17121), (354, 17190), (384, 17301), (385, 17310), (437, 17442), (440, 17451), (515, 17565), (569, 17679), (624, 17811), (638, 17838), (640, 17847), (674, 17904), (695, 17958), (709, 17988), (735, 18033), (771, 18159), (916, 18693), (917, 18705),

Gene: Neeharika16_29 Start: 16728, Stop: 18932, Start Num: 93
Candidate Starts for Neeharika16_29:
(41, 16569), (77, 16683), (Start: 93 @16728 has 49 MA's), (Start: 145 @16839 has 7 MA's), (147, 16845), (182, 16953), (196, 16995), (243, 17061), (273, 17154), (282, 17181), (313, 17304), (319, 17337), (339, 17427), (352, 17496), (425, 17739), (531, 17877), (623, 17997), (721, 18150), (749, 18213), (758, 18255), (789, 18354), (797, 18375), (804, 18396), (813, 18417), (830, 18468), (834, 18480), (840, 18495), (857, 18576), (873, 18654),

Gene: Nemo27_25 Start: 16025, Stop: 18484, Start Num: 153
Candidate Starts for Nemo27_25:
(Start: 95 @15884 has 129 MA's), (Start: 153 @16025 has 23 MA's), (Start: 163 @16043 has 10 MA's), (238, 16250), (248, 16289), (255, 16319), (290, 16436), (298, 16463), (313, 16526), (326, 16589), (337, 16634), (344, 16676), (362, 16760), (460, 17027), (490, 17078), (519, 17123), (554, 17201), (569, 17234), (571, 17240), (581, 17261), (639, 17408), (649, 17429), (659, 17453), (680, 17519), (697, 17573), (713, 17621), (731, 17687), (767, 17852), (774, 17870), (822, 17996), (880, 18248), (881, 18251), (883, 18260), (895, 18320), (916, 18416), (921, 18464),

Gene: Nerujay_25 Start: 16817, Stop: 19297, Start Num: 135
Candidate Starts for Nerujay_25:
(Start: 135 @16817 has 221 MA's), (Start: 150 @16856 has 5 MA's), (171, 16919), (182, 16949), (196, 16991), (284, 17198), (290, 17216), (313, 17306), (326, 17369), (333, 17393), (335, 17405), (344, 17456), (483, 17840), (538, 17942), (558, 17981), (569, 18008), (579, 18032), (625, 18161), (667, 18260), (705, 18362), (713, 18383), (718, 18395), (725, 18425), (749, 18524), (762, 18587), (834, 18806), (843, 18839), (895, 19121), (911, 19208), (918, 19247), (920, 19262),

Gene: Newrala_29 Start: 16728, Stop: 18932, Start Num: 93
Candidate Starts for Newrala_29:
(41, 16569), (77, 16683), (Start: 93 @16728 has 49 MA's), (Start: 145 @16839 has 7 MA's), (147, 16845), (182, 16953), (196, 16995), (243, 17061), (273, 17154), (282, 17181), (313, 17304), (319, 17337), (339, 17427), (352, 17496), (425, 17739), (531, 17877), (623, 17997), (721, 18150), (749, 18213), (758, 18255), (789, 18354), (797, 18375), (804, 18396), (813, 18417), (830, 18468), (834, 18480), (840, 18495), (857, 18576), (873, 18654),

Gene: Nhonho_24 Start: 16571, Stop: 19048, Start Num: 135
Candidate Starts for Nhonho_24:
(Start: 135 @16571 has 221 MA's), (Start: 150 @16610 has 5 MA's), (165, 16655), (171, 16673), (Start: 174 @16679 has 1 MA's), (182, 16703), (284, 16949), (290, 16967), (313, 17057), (326, 17120), (333, 17144), (335, 17156), (344, 17207), (367, 17300), (538, 17693), (558, 17732), (566, 17747), (569, 17759), (579, 17783), (607, 17858), (625, 17912), (667, 18011), (705, 18113), (713, 18134), (718, 18146), (725, 18176), (749, 18275), (762, 18338), (789, 18428), (834, 18557), (843, 18590),

(895, 18872), (911, 18959), (918, 18998), (921, 19028),

Gene: NicoleTera_30 Start: 18435, Stop: 20942, Start Num: 130
Candidate Starts for NicoleTera_30:
(Start: 130 @18435 has 101 MA's), (173, 18546), (177, 18564), (193, 18603), (202, 18624), (211, 18648), (253, 18777), (264, 18801), (274, 18831), (298, 18915), (310, 18966), (321, 19023), (324, 19035), (326, 19041), (330, 19056), (333, 19065), (335, 19077), (337, 19086), (381, 19296), (385, 19323), (388, 19338), (401, 19392), (407, 19413), (422, 19479), (432, 19518), (454, 19581), (483, 19659), (504, 19704), (534, 19803), (540, 19818), (542, 19824), (547, 19833), (555, 19848), (563, 19869), (568, 19890), (569, 19893), (589, 19932), (604, 19947), (611, 19974), (620, 20001), (639, 20031), (644, 20043), (671, 20085), (691, 20145), (701, 20172), (722, 20235), (739, 20292), (746, 20328), (761, 20397), (773, 20430), (817, 20499), (821, 20508), (826, 20517), (866, 20628), (873, 20658), (886, 20742),

Gene: Niza_26 Start: 17422, Stop: 19890, Start Num: 135
Candidate Starts for Niza_26:
(Start: 135 @17422 has 221 MA's), (Start: 144 @17437 has 1 MA's), (182, 17551), (188, 17572), (196, 17593), (233, 17623), (240, 17647), (246, 17668), (260, 17713), (269, 17740), (313, 17911), (319, 17944), (335, 18010), (396, 18265), (407, 18286), (414, 18313), (492, 18472), (519, 18508), (566, 18601), (572, 18622), (597, 18679), (637, 18799), (652, 18835), (667, 18865), (681, 18901), (705, 18967), (713, 18988), (749, 19129), (786, 19270), (797, 19291), (841, 19426), (875, 19603), (895, 19714), (911, 19801), (918, 19840), (920, 19855),

Gene: Noella_26 Start: 16044, Stop: 19082, Start Num: 47
Candidate Starts for Noella_26:
(Start: 47 @16044 has 37 MA's), (87, 16218), (90, 16230), (Start: 99 @16263 has 4 MA's), (171, 16470), (177, 16491), (212, 16590), (214, 16593), (256, 16803), (266, 16824), (278, 16857), (294, 16920), (298, 16932), (306, 16965), (310, 16983), (314, 17004), (324, 17052), (326, 17058), (330, 17073), (333, 17082), (335, 17094), (337, 17103), (354, 17196), (381, 17313), (382, 17316), (386, 17343), (388, 17355), (401, 17409), (407, 17430), (422, 17496), (432, 17535), (483, 17676), (504, 17721), (530, 17811), (534, 17820), (547, 17850), (568, 17907), (573, 17922), (589, 17949), (590, 17952), (605, 17970), (655, 18081), (691, 18162), (711, 18219), (724, 18261), (749, 18357), (753, 18378), (757, 18402), (767, 18447), (774, 18465), (789, 18513), (793, 18525), (814, 18567), (818, 18579), (833, 18627), (874, 18798), (883, 18858), (885, 18870), (892, 18897), (895, 18918), (916, 19014), (921, 19062),

Gene: Noelle_25 Start: 15938, Stop: 18538, Start Num: 95
Candidate Starts for Noelle_25:
(Start: 95 @15938 has 129 MA's), (243, 16328), (282, 16457), (290, 16490), (294, 16505), (298, 16517), (313, 16580), (337, 16688), (346, 16739), (368, 16823), (478, 17108), (484, 17120), (490, 17132), (519, 17177), (554, 17255), (569, 17288), (571, 17294), (628, 17426), (639, 17462), (661, 17510), (697, 17627), (713, 17675), (723, 17708), (731, 17741), (737, 17759), (767, 17906), (774, 17924), (822, 18050), (851, 18140), (881, 18305), (883, 18314), (895, 18374), (897, 18383), (902, 18419), (909, 18437), (916, 18470), (921, 18518),

Gene: Norbert_25 Start: 16043, Stop: 19081, Start Num: 47
Candidate Starts for Norbert_25:
(Start: 47 @16043 has 37 MA's), (87, 16217), (90, 16229), (Start: 99 @16262 has 4 MA's), (171, 16469), (177, 16490), (212, 16589), (214, 16592), (256, 16802), (266, 16823), (278, 16856), (294, 16919), (298, 16931), (306, 16964), (310, 16982), (314, 17003), (324, 17051), (326, 17057), (330, 17072), (333, 17081), (335, 17093), (337, 17102), (354, 17195), (381, 17312), (382, 17315), (386, 17342), (388, 17354), (401, 17408), (407, 17429), (422, 17495), (432, 17534), (483, 17675), (504, 17720), (530, 17810), (534, 17819), (547, 17849), (568, 17906), (573, 17921), (589, 17948), (590,

17951), (605, 17969), (655, 18080), (691, 18161), (711, 18218), (724, 18260), (749, 18356), (753, 18377), (757, 18401), (767, 18446), (774, 18464), (789, 18512), (793, 18524), (814, 18566), (818, 18578), (833, 18626), (874, 18797), (883, 18857), (885, 18869), (892, 18896), (895, 18917), (916, 19013), (921, 19061),

Gene: NorthStar_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for NorthStar_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (679, 17514), (680, 17520), (681, 17523), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Northrop_25 Start: 16022, Stop: 18481, Start Num: 153
Candidate Starts for Northrop_25:
(Start: 95 @15881 has 129 MA's), (Start: 153 @16022 has 23 MA's), (Start: 163 @16040 has 10 MA's), (238, 16247), (248, 16286), (255, 16316), (290, 16433), (298, 16460), (313, 16523), (326, 16586), (337, 16631), (344, 16673), (362, 16757), (460, 17024), (490, 17075), (519, 17120), (554, 17198), (571, 17237), (581, 17258), (639, 17405), (649, 17426), (659, 17450), (679, 17510), (680, 17516), (681, 17519), (697, 17570), (713, 17618), (731, 17684), (767, 17849), (774, 17867), (822, 17993), (880, 18245), (881, 18248), (883, 18257), (895, 18317), (916, 18413), (921, 18461),

Gene: Norz_26 Start: 17066, Stop: 19726, Start Num: 135
Candidate Starts for Norz_26:
(Start: 135 @17066 has 221 MA's), (Start: 150 @17105 has 5 MA's), (171, 17168), (Start: 174 @17174 has 1 MA's), (182, 17198), (196, 17240), (294, 17474), (313, 17549), (326, 17612), (337, 17657), (342, 17681), (357, 17756), (360, 17768), (455, 18089), (566, 18419), (587, 18470), (597, 18497), (669, 18701), (713, 18824), (720, 18845), (725, 18866), (749, 18965), (758, 19007), (802, 19139), (830, 19223), (844, 19268), (895, 19550), (907, 19616), (911, 19637), (918, 19676), (920, 19691),

Gene: NotAPhaseMom_25 Start: 16030, Stop: 18489, Start Num: 153
Candidate Starts for NotAPhaseMom_25:
(Start: 95 @15889 has 129 MA's), (Start: 153 @16030 has 23 MA's), (Start: 163 @16048 has 10 MA's), (238, 16255), (248, 16294), (255, 16324), (290, 16441), (298, 16468), (313, 16531), (326, 16594), (337, 16639), (344, 16681), (362, 16765), (460, 17032), (490, 17083), (519, 17128), (554, 17206), (569, 17239), (571, 17245), (581, 17266), (639, 17413), (649, 17434), (659, 17458), (680, 17524), (697, 17578), (713, 17626), (731, 17692), (767, 17857), (774, 17875), (822, 18001), (880, 18253), (881, 18256), (883, 18265), (895, 18325), (916, 18421), (921, 18469),

Gene: NothingSpecial_28 Start: 18636, Stop: 21167, Start Num: 130
Candidate Starts for NothingSpecial_28:
(Start: 130 @18636 has 101 MA's), (198, 18816), (199, 18819), (246, 18987), (253, 19014), (262, 19029), (273, 19062), (278, 19074), (293, 19134), (298, 19149), (319, 19245), (320, 19248), (337, 19320), (340, 19341), (341, 19344), (373, 19485), (381, 19530), (385, 19557), (388, 19572), (401, 19626), (407, 19647), (422, 19713), (432, 19752), (508, 19947), (512, 19965), (518, 19983), (563, 20103), (567, 20118), (575, 20145), (577, 20148), (590, 20169), (713, 20439), (715, 20442), (722, 20469), (726, 20484), (734, 20514), (746, 20562), (757, 20610), (773, 20664), (826, 20748), (846, 20772), (873, 20889), (886, 20967),

Gene: Noxious_26 Start: 17387, Stop: 19858, Start Num: 135
Candidate Starts for Noxious_26:

(Start: 135 @17387 has 221 MA's), (Start: 150 @17426 has 5 MA's), (171, 17489), (182, 17519), (188, 17540), (196, 17561), (202, 17573), (233, 17591), (240, 17615), (260, 17681), (313, 17879), (319, 17912), (335, 17978), (396, 18233), (407, 18254), (414, 18281), (448, 18377), (478, 18407), (492, 18440), (519, 18476), (566, 18569), (572, 18590), (597, 18647), (637, 18767), (652, 18803), (667, 18833), (681, 18869), (705, 18935), (713, 18956), (725, 18998), (749, 19097), (786, 19238), (797, 19259), (841, 19394), (895, 19682), (911, 19769), (918, 19808),

Gene: Nyxis_25 Start: 15969, Stop: 18428, Start Num: 153
Candidate Starts for Nyxis_25:
(Start: 95 @15828 has 129 MA's), (Start: 153 @15969 has 23 MA's), (Start: 163 @15987 has 10 MA's), (238, 16194), (248, 16233), (255, 16263), (290, 16380), (298, 16407), (313, 16470), (326, 16533), (337, 16578), (344, 16620), (362, 16704), (460, 16971), (490, 17022), (519, 17067), (554, 17145), (571, 17184), (581, 17205), (639, 17352), (649, 17373), (659, 17397), (679, 17457), (680, 17463), (681, 17466), (697, 17517), (713, 17565), (731, 17631), (767, 17796), (774, 17814), (822, 17940), (880, 18192), (881, 18195), (883, 18204), (895, 18264), (916, 18360), (921, 18408),

Gene: OKCentral2016_25 Start: 15565, Stop: 18123, Start Num: 163
Candidate Starts for OKCentral2016_25:
(46, 15157), (Start: 95 @15388 has 129 MA's), (Start: 163 @15565 has 10 MA's), (173, 15586), (179, 15610), (182, 15616), (188, 15640), (189, 15643), (192, 15652), (210, 15691), (215, 15700), (217, 15706), (228, 15730), (240, 15775), (251, 15817), (263, 15850), (266, 15859), (280, 15913), (294, 15967), (297, 15976), (301, 16000), (308, 16021), (327, 16126), (335, 16168), (408, 16480), (409, 16483), (411, 16495), (510, 16696), (552, 16816), (569, 16861), (570, 16864), (571, 16867), (581, 16888), (582, 16891), (602, 16936), (639, 17044), (649, 17065), (672, 17125), (681, 17158), (701, 17221), (725, 17299), (731, 17323), (749, 17398), (761, 17464), (767, 17488), (774, 17506), (783, 17542), (794, 17572), (812, 17614), (815, 17626), (822, 17638), (836, 17674), (838, 17686), (883, 17899), (885, 17911), (891, 17935), (895, 17959), (916, 18055), (921, 18103),

Gene: OKaNui_26 Start: 15938, Stop: 18538, Start Num: 95
Candidate Starts for OKaNui_26:
(Start: 95 @15938 has 129 MA's), (Start: 153 @16079 has 23 MA's), (Start: 163 @16097 has 10 MA's), (238, 16304), (248, 16343), (255, 16373), (290, 16490), (298, 16517), (313, 16580), (326, 16643), (337, 16688), (344, 16730), (362, 16814), (460, 17081), (490, 17132), (519, 17177), (554, 17255), (571, 17294), (639, 17462), (649, 17483), (659, 17507), (680, 17573), (697, 17627), (713, 17675), (731, 17741), (767, 17906), (774, 17924), (822, 18050), (880, 18302), (881, 18305), (883, 18314), (895, 18374), (916, 18470), (921, 18518),

Gene: Obama12_26 Start: 16339, Stop: 18798, Start Num: 153
Candidate Starts for Obama12_26:
(Start: 95 @16198 has 129 MA's), (Start: 153 @16339 has 23 MA's), (Start: 163 @16357 has 10 MA's), (218, 16513), (238, 16564), (255, 16633), (290, 16750), (298, 16777), (313, 16840), (326, 16903), (337, 16948), (344, 16990), (362, 17074), (423, 17281), (460, 17341), (490, 17392), (519, 17437), (554, 17515), (569, 17548), (571, 17554), (639, 17722), (649, 17743), (659, 17767), (679, 17827), (680, 17833), (681, 17836), (697, 17887), (713, 17935), (731, 18001), (767, 18166), (774, 18184), (822, 18310), (880, 18562), (881, 18565), (883, 18574), (894, 18631), (895, 18634), (902, 18679), (916, 18730), (921, 18778),

Gene: Odin_25 Start: 15403, Stop: 17928, Start Num: 126
Candidate Starts for Odin_25:
(Start: 126 @15403 has 1 MA's), (134, 15421), (173, 15526), (197, 15592), (198, 15595), (199, 15598), (262, 15802), (278, 15847), (298, 15922), (309, 15964), (310, 15973), (319, 16018), (323, 16039), (333, 16072), (337, 16093), (340, 16114), (341, 16117), (381, 16303), (385, 16330), (388, 16345), (401, 16399), (407, 16420), (422, 16486), (511, 16726), (516, 16753), (534, 16810), (542, 16831),

(557, 16858), (563, 16876), (589, 16939), (590, 16942), (611, 16981), (666, 17080), (691, 17152), (701, 17179), (711, 17209), (722, 17242), (757, 17383), (775, 17449), (821, 17512), (882, 17710), (886, 17731), (899, 17806), (913, 17842),

Gene: Ohfah_25 Start: 15882, Stop: 18482, Start Num: 95
Candidate Starts for Ohfah_25:
(Start: 95 @15882 has 129 MA's), (Start: 153 @16023 has 23 MA's), (Start: 163 @16041 has 10 MA's), (238, 16248), (248, 16287), (255, 16317), (290, 16434), (298, 16461), (313, 16524), (326, 16587), (337, 16632), (344, 16674), (362, 16758), (460, 17025), (490, 17076), (519, 17121), (554, 17199), (569, 17232), (571, 17238), (581, 17259), (639, 17406), (649, 17427), (659, 17451), (679, 17511), (680, 17517), (681, 17520), (697, 17571), (713, 17619), (731, 17685), (767, 17850), (774, 17868), (822, 17994), (880, 18246), (881, 18249), (883, 18258), (895, 18318), (902, 18363), (916, 18414), (921, 18462),

Gene: Ohno789_24 Start: 16219, Stop: 18690, Start Num: 135
Candidate Starts for Ohno789_24:
(Start: 135 @16219 has 221 MA's), (Start: 150 @16258 has 5 MA's), (171, 16321), (182, 16351), (188, 16372), (196, 16393), (202, 16405), (233, 16423), (260, 16513), (313, 16711), (319, 16744), (335, 16810), (396, 17065), (407, 17086), (414, 17113), (492, 17272), (519, 17308), (566, 17401), (572, 17422), (597, 17479), (637, 17599), (652, 17635), (667, 17665), (681, 17701), (705, 17767), (713, 17788), (749, 17929), (786, 18070), (797, 18091), (841, 18226), (875, 18403), (895, 18514), (911, 18601), (918, 18640), (920, 18655),

Gene: OlanP_27 Start: 16237, Stop: 19263, Start Num: 48
Candidate Starts for OlanP_27:
(40, 16183), (Start: 48 @16237 has 89 MA's), (71, 16351), (88, 16417), (90, 16420), (92, 16429), (104, 16465), (122, 16516), (148, 16588), (171, 16660), (212, 16780), (214, 16783), (225, 16852), (231, 16897), (256, 16990), (262, 16999), (278, 17044), (287, 17083), (294, 17107), (298, 17119), (306, 17152), (310, 17170), (314, 17191), (324, 17239), (326, 17245), (330, 17260), (333, 17269), (335, 17281), (337, 17290), (354, 17383), (377, 17470), (381, 17500), (382, 17503), (386, 17530), (388, 17542), (401, 17596), (407, 17617), (415, 17647), (422, 17683), (436, 17734), (462, 17809), (483, 17863), (504, 17908), (520, 17956), (530, 17998), (534, 18007), (547, 18037), (573, 18109), (575, 18115), (589, 18136), (590, 18139), (604, 18151), (653, 18265), (655, 18268), (691, 18349), (713, 18409), (722, 18439), (723, 18442), (725, 18451), (767, 18634), (789, 18700), (793, 18712), (814, 18754), (835, 18817), (852, 18874), (865, 18943), (874, 18979), (887, 19060), (916, 19195), (917, 19207),

Gene: Ollie_27 Start: 15849, Stop: 18875, Start Num: 48
Candidate Starts for Ollie_27:
(40, 15795), (Start: 48 @15849 has 89 MA's), (71, 15963), (88, 16029), (90, 16032), (92, 16041), (104, 16077), (122, 16128), (148, 16200), (171, 16272), (212, 16392), (214, 16395), (225, 16464), (231, 16509), (256, 16602), (262, 16611), (268, 16629), (278, 16656), (294, 16719), (298, 16731), (306, 16764), (310, 16782), (323, 16848), (324, 16851), (326, 16857), (330, 16872), (333, 16881), (335, 16893), (337, 16902), (350, 16980), (354, 16995), (381, 17112), (382, 17115), (386, 17142), (388, 17154), (401, 17208), (407, 17229), (422, 17295), (432, 17334), (468, 17427), (483, 17475), (504, 17520), (520, 17568), (530, 17610), (534, 17619), (547, 17649), (549, 17652), (555, 17664), (567, 17700), (573, 17721), (575, 17727), (589, 17748), (590, 17751), (666, 17889), (671, 17901), (691, 17961), (707, 18000), (749, 18156), (753, 18177), (757, 18201), (767, 18246), (774, 18264), (789, 18312), (793, 18324), (814, 18366), (835, 18429), (852, 18486), (865, 18555), (874, 18591), (887, 18672), (916, 18807),

Gene: Onglai_26 Start: 15924, Stop: 18833, Start Num: 66
Candidate Starts for Onglai_26:

(Start: 66 @15924 has 43 MA's), (69, 15936), (85, 15996), (Start: 138 @16155 has 1 MA's), (157, 16218), (178, 16281), (191, 16323), (214, 16380), (222, 16419), (258, 16590), (262, 16596), (267, 16611), (293, 16701), (294, 16704), (298, 16716), (309, 16758), (319, 16812), (337, 16887), (340, 16908), (341, 16911), (344, 16929), (356, 16992), (375, 17058), (381, 17097), (385, 17124), (388, 17139), (396, 17169), (401, 17193), (407, 17214), (422, 17280), (432, 17319), (456, 17385), (468, 17412), (474, 17439), (504, 17505), (518, 17550), (542, 17625), (563, 17670), (568, 17691), (575, 17712), (577, 17715), (589, 17733), (590, 17736), (609, 17763), (644, 17844), (722, 18036), (726, 18051), (734, 18081), (747, 18132), (766, 18219), (768, 18228), (785, 18279), (814, 18342), (822, 18363), (833, 18399), (846, 18435), (847, 18441), (865, 18519), (872, 18546), (881, 18606), (895, 18675), (899, 18705), (905, 18732), (917, 18771), (922, 18813),

Gene: Oofda_28 Start: 15894, Stop: 18083, Start Num: 156
Candidate Starts for Oofda_28:
(Start: 95 @15717 has 129 MA's), (Start: 99 @15726 has 4 MA's), (Start: 156 @15894 has 18 MA's), (267, 16137), (269, 16143), (289, 16212), (304, 16269), (337, 16413), (344, 16455), (353, 16503), (354, 16506), (384, 16617), (387, 16635), (425, 16740), (445, 16788), (515, 16893), (541, 16953), (569, 17007), (592, 17043), (599, 17067), (602, 17076), (624, 17139), (636, 17160), (640, 17175), (654, 17199), (659, 17211), (689, 17265), (695, 17286), (709, 17316), (771, 17487), (777, 17508), (813, 17592), (887, 17895), (916, 18018), (917, 18030),

Gene: Oogway_23 Start: 16332, Stop: 18812, Start Num: 135
Candidate Starts for Oogway_23:
(Start: 135 @16332 has 221 MA's), (Start: 150 @16371 has 5 MA's), (171, 16434), (182, 16464), (196, 16506), (284, 16713), (290, 16731), (313, 16821), (326, 16884), (333, 16908), (335, 16920), (344, 16971), (483, 17355), (538, 17457), (558, 17496), (569, 17523), (579, 17547), (667, 17775), (705, 17877), (713, 17898), (725, 17940), (749, 18039), (762, 18102), (834, 18321), (843, 18354), (895, 18636), (911, 18723), (918, 18762),

Gene: Orange_26 Start: 17163, Stop: 19709, Start Num: 91
Candidate Starts for Orange_26:
(Start: 91 @17163 has 24 MA's), (Start: 96 @17181 has 4 MA's), (Start: 156 @17355 has 18 MA's), (159, 17364), (196, 17439), (248, 17493), (265, 17547), (270, 17562), (271, 17565), (278, 17583), (294, 17646), (298, 17658), (313, 17721), (326, 17784), (330, 17799), (333, 17808), (337, 17829), (341, 17853), (344, 17868), (364, 17955), (366, 17958), (372, 17973), (378, 17994), (380, 18006), (396, 18072), (418, 18144), (425, 18168), (454, 18249), (457, 18258), (462, 18270), (471, 18312), (513, 18369), (532, 18423), (577, 18531), (595, 18570), (647, 18711), (690, 18807), (695, 18828), (708, 18861), (721, 18894), (722, 18897), (748, 18981), (758, 19026), (759, 19029), (792, 19143), (804, 19176), (830, 19248), (842, 19284), (857, 19356), (873, 19434), (881, 19488), (886, 19512), (912, 19623),

Gene: P28Green_27 Start: 15980, Stop: 19006, Start Num: 48
Candidate Starts for P28Green_27:
(40, 15926), (Start: 48 @15980 has 89 MA's), (71, 16094), (88, 16160), (90, 16163), (92, 16172), (104, 16208), (122, 16259), (148, 16331), (171, 16403), (212, 16523), (214, 16526), (225, 16595), (231, 16640), (256, 16733), (262, 16742), (268, 16760), (278, 16787), (294, 16850), (298, 16862), (306, 16895), (310, 16913), (323, 16979), (324, 16982), (326, 16988), (330, 17003), (333, 17012), (335, 17024), (337, 17033), (354, 17126), (381, 17243), (382, 17246), (386, 17273), (388, 17285), (401, 17339), (407, 17360), (422, 17426), (427, 17453), (432, 17465), (468, 17558), (483, 17606), (504, 17651), (520, 17699), (530, 17741), (534, 17750), (547, 17780), (549, 17783), (555, 17795), (573, 17852), (575, 17858), (589, 17879), (590, 17882), (666, 18020), (691, 18092), (713, 18152), (722, 18182), (723, 18185), (725, 18194), (767, 18377), (789, 18443), (793, 18455), (814, 18497), (835, 18560), (852, 18617), (865, 18686), (874, 18722), (887, 18803), (916, 18938), (917, 18950),

Gene: PGHhamlin_29 Start: 15971, Stop: 18997, Start Num: 48
Candidate Starts for PGHhamlin_29:
(40, 15917), (Start: 48 @15971 has 89 MA's), (71, 16085), (88, 16151), (90, 16154), (92, 16163), (104, 16199), (122, 16250), (148, 16322), (171, 16394), (212, 16514), (214, 16517), (225, 16586), (231, 16631), (256, 16724), (262, 16733), (268, 16751), (278, 16778), (294, 16841), (298, 16853), (306, 16886), (310, 16904), (323, 16970), (324, 16973), (326, 16979), (330, 16994), (333, 17003), (335, 17015), (337, 17024), (354, 17117), (381, 17234), (382, 17237), (386, 17264), (388, 17276), (401, 17330), (407, 17351), (422, 17417), (427, 17444), (468, 17549), (483, 17597), (504, 17642), (520, 17690), (530, 17732), (534, 17741), (547, 17771), (549, 17774), (555, 17786), (573, 17843), (575, 17849), (589, 17870), (590, 17873), (666, 18011), (671, 18023), (691, 18083), (713, 18143), (722, 18173), (723, 18176), (725, 18185), (749, 18278), (767, 18368), (789, 18434), (793, 18446), (814, 18488), (835, 18551), (852, 18608), (865, 18677), (874, 18713), (887, 18794), (916, 18929),

Gene: PP_35 Start: 21773, Stop: 24784, Start Num: 27
Candidate Starts for PP_35:
(Start: 27 @21773 has 1 MA's), (50, 21896), (52, 21902), (72, 22010), (73, 22013), (75, 22022), (79, 22034), (98, 22115), (139, 22229), (146, 22253), (171, 22325), (177, 22346), (179, 22355), (182, 22361), (239, 22526), (243, 22547), (261, 22604), (274, 22643), (281, 22673), (284, 22691), (289, 22706), (290, 22709), (294, 22724), (299, 22745), (313, 22799), (326, 22862), (335, 22898), (337, 22907), (340, 22928), (344, 22949), (389, 23138), (416, 23216), (425, 23249), (459, 23297), (489, 23348), (490, 23351), (519, 23396), (600, 23567), (619, 23615), (637, 23660), (659, 23714), (668, 23735), (676, 23768), (697, 23834), (701, 23846), (717, 23891), (725, 23924), (729, 23945), (731, 23948), (756, 24056), (766, 24110), (767, 24113), (774, 24131), (788, 24188), (800, 24218), (824, 24293), (831, 24314), (841, 24353), (854, 24407), (866, 24467), (874, 24500), (884, 24563), (885, 24572), (901, 24662), (905, 24677), (917, 24728),

Gene: PSullivan_26 Start: 16832, Stop: 19303, Start Num: 135
Candidate Starts for PSullivan_26:
(Start: 135 @16832 has 221 MA's), (Start: 150 @16871 has 5 MA's), (171, 16934), (182, 16964), (188, 16985), (196, 17006), (202, 17018), (233, 17036), (260, 17126), (313, 17324), (319, 17357), (335, 17423), (396, 17678), (407, 17699), (414, 17726), (492, 17885), (519, 17921), (566, 18014), (572, 18035), (597, 18092), (637, 18212), (652, 18248), (667, 18278), (681, 18314), (705, 18380), (713, 18401), (749, 18542), (786, 18683), (797, 18704), (841, 18839), (875, 19016), (895, 19127), (907, 19193), (911, 19214), (918, 19253), (920, 19268),

Gene: PacerPaul_24 Start: 16642, Stop: 19113, Start Num: 135
Candidate Starts for PacerPaul_24:
(Start: 135 @16642 has 221 MA's), (Start: 150 @16681 has 5 MA's), (171, 16744), (182, 16774), (188, 16795), (196, 16816), (233, 16846), (240, 16870), (260, 16936), (313, 17134), (319, 17167), (335, 17233), (396, 17488), (407, 17509), (414, 17536), (492, 17695), (519, 17731), (566, 17824), (572, 17845), (579, 17860), (588, 17881), (591, 17884), (611, 17953), (625, 17989), (637, 18022), (652, 18058), (667, 18088), (681, 18124), (705, 18190), (713, 18211), (749, 18352), (786, 18493), (797, 18514), (841, 18649), (875, 18826), (895, 18937), (907, 19003), (911, 19024), (918, 19063), (920, 19078),

Gene: PackMan_27 Start: 17590, Stop: 20499, Start Num: 66
Candidate Starts for PackMan_27:
(Start: 66 @17590 has 43 MA's), (69, 17602), (85, 17662), (Start: 138 @17821 has 1 MA's), (157, 17884), (178, 17947), (191, 17989), (214, 18046), (258, 18256), (262, 18262), (267, 18277), (293, 18367), (294, 18370), (298, 18382), (309, 18424), (319, 18478), (337, 18553), (340, 18574), (341, 18577), (344, 18595), (356, 18658), (375, 18724), (381, 18763), (385, 18790), (388, 18805), (396, 18835), (401, 18859), (404, 18871), (407, 18880), (422, 18946), (432, 18985), (456, 19051), (468, 19078), (474, 19105), (504, 19171), (518, 19216), (542, 19291), (563, 19336), (568, 19357), (575,

19378), (577, 19381), (589, 19399), (590, 19402), (609, 19429), (644, 19510), (671, 19552), (722, 19702), (726, 19717), (734, 19747), (747, 19798), (766, 19885), (768, 19894), (785, 19945), (814, 20008), (822, 20029), (833, 20065), (846, 20101), (847, 20107), (865, 20185), (872, 20212), (881, 20272), (895, 20341), (899, 20371), (905, 20398), (917, 20437), (922, 20479),

Gene: PainterBoy_27 Start: 16773, Stop: 19835, Start Num: 3
Candidate Starts for PainterBoy_27:
(Start: 3 @16773 has 3 MA's), (10, 16947), (18, 17064), (38, 17241), (84, 17397), (88, 17403), (125, 17505), (165, 17601), (202, 17709), (204, 17715), (269, 17829), (288, 17895), (296, 17922), (313, 17991), (319, 18024), (320, 18027), (338, 18114), (339, 18117), (354, 18195), (373, 18255), (385, 18315), (497, 18549), (529, 18579), (531, 18582), (606, 18735), (683, 18912), (687, 18924), (749, 19119), (753, 19140), (777, 19233), (789, 19260), (797, 19281), (804, 19302), (869, 19542), (873, 19560), (882, 19617), (903, 19728),

Gene: Palestino_24 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Palestino_24:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (619, 17355), (639, 17409), (659, 17454), (679, 17514), (685, 17532), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Panamaxus_25 Start: 16043, Stop: 19081, Start Num: 47
Candidate Starts for Panamaxus_25:
(Start: 47 @16043 has 37 MA's), (87, 16217), (90, 16229), (Start: 99 @16262 has 4 MA's), (171, 16469), (177, 16490), (212, 16589), (214, 16592), (256, 16802), (266, 16823), (278, 16856), (294, 16919), (298, 16931), (306, 16964), (310, 16982), (314, 17003), (324, 17051), (326, 17057), (330, 17072), (333, 17081), (335, 17093), (337, 17102), (354, 17195), (381, 17312), (382, 17315), (386, 17342), (388, 17354), (401, 17408), (407, 17429), (422, 17495), (432, 17534), (483, 17675), (504, 17720), (530, 17810), (534, 17819), (547, 17849), (568, 17906), (573, 17921), (589, 17948), (590, 17951), (605, 17969), (655, 18080), (691, 18161), (711, 18218), (724, 18260), (749, 18356), (753, 18377), (757, 18401), (767, 18446), (774, 18464), (789, 18512), (793, 18524), (814, 18566), (818, 18578), (833, 18626), (874, 18797), (883, 18857), (885, 18869), (892, 18896), (895, 18917), (916, 19013), (921, 19061),

Gene: Papez_26 Start: 18048, Stop: 20528, Start Num: 135
Candidate Starts for Papez_26:
(Start: 135 @18048 has 221 MA's), (Start: 150 @18087 has 5 MA's), (171, 18150), (182, 18180), (196, 18222), (284, 18429), (290, 18447), (313, 18537), (326, 18600), (333, 18624), (335, 18636), (344, 18687), (483, 19071), (538, 19173), (558, 19212), (569, 19239), (579, 19263), (667, 19491), (705, 19593), (713, 19614), (718, 19626), (725, 19656), (749, 19755), (762, 19818), (834, 20037), (843, 20070), (895, 20352), (911, 20439), (918, 20478), (921, 20508),

Gene: Paphu_23 Start: 15792, Stop: 18626, Start Num: 135
Candidate Starts for Paphu_23:
(Start: 135 @15792 has 221 MA's), (159, 15864), (257, 16107), (262, 16122), (276, 16167), (303, 16287), (307, 16305), (315, 16353), (323, 16398), (335, 16443), (336, 16446), (344, 16494), (385, 16677), (392, 16704), (412, 16788), (425, 16845), (431, 16863), (443, 16908), (455, 16944), (465, 17004), (479, 17052), (503, 17115), (505, 17118), (538, 17235), (556, 17271), (566, 17298), (569, 17310), (575, 17328), (583, 17343), (604, 17406), (645, 17535), (664, 17580), (674, 17613), (678, 17625), (722, 17754), (745, 17850), (766, 17937), (767, 17940), (774, 17958), (841, 18162), (875, 18339), (895, 18450), (911, 18537), (918, 18576), (920, 18591),

Gene: Paraselene_23 Start: 16163, Stop: 18997, Start Num: 135
Candidate Starts for Paraselene_23:
(Start: 135 @16163 has 221 MA's), (159, 16235), (257, 16478), (262, 16493), (276, 16538), (303, 16658), (307, 16676), (315, 16724), (323, 16769), (335, 16814), (336, 16817), (344, 16865), (385, 17048), (392, 17075), (412, 17159), (425, 17216), (431, 17234), (443, 17279), (455, 17315), (464, 17357), (465, 17375), (479, 17423), (503, 17486), (505, 17489), (538, 17606), (556, 17642), (566, 17669), (569, 17681), (575, 17699), (583, 17714), (604, 17777), (645, 17906), (664, 17951), (674, 17984), (678, 17996), (722, 18125), (745, 18221), (766, 18308), (767, 18311), (774, 18329), (841, 18533), (875, 18710), (895, 18821), (905, 18875), (911, 18908), (918, 18947), (920, 18962),

Gene: Pari_25 Start: 16564, Stop: 18564, Start Num: 135
Candidate Starts for Pari_25:
(Start: 135 @16564 has 221 MA's), (Start: 150 @16603 has 5 MA's), (171, 16666), (182, 16696), (188, 16717), (237, 16777), (264, 16873), (284, 16942), (288, 16954), (313, 17050), (319, 17083), (375, 17317), (519, 17605), (584, 17707), (588, 17719), (617, 17797), (636, 17839), (663, 17893), (667, 17905), (675, 17920), (680, 17938), (685, 17950), (718, 18028), (725, 18058), (749, 18154), (811, 18364), (856, 18514),

Gene: Parliament_23 Start: 16450, Stop: 18921, Start Num: 135
Candidate Starts for Parliament_23:
(Start: 135 @16450 has 221 MA's), (Start: 150 @16489 has 5 MA's), (171, 16552), (182, 16582), (188, 16603), (196, 16624), (233, 16654), (240, 16678), (260, 16744), (313, 16942), (319, 16975), (335, 17041), (396, 17296), (407, 17317), (414, 17344), (492, 17503), (519, 17539), (566, 17632), (572, 17653), (597, 17710), (637, 17830), (652, 17866), (667, 17896), (681, 17932), (705, 17998), (713, 18019), (749, 18160), (786, 18301), (797, 18322), (841, 18457), (875, 18634), (895, 18745), (907, 18811), (911, 18832), (918, 18871), (921, 18901),

Gene: Partridge_21 Start: 12664, Stop: 15504, Start Num: 168
Candidate Starts for Partridge_21:
(34, 12157), (37, 12175), (60, 12298), (65, 12319), (69, 12340), (74, 12370), (85, 12409), (104, 12484), (140, 12580), (142, 12589), (Start: 168 @12664 has 1 MA's), (173, 12685), (178, 12706), (181, 12712), (195, 12760), (219, 12832), (224, 12871), (225, 12880), (237, 12934), (253, 12994), (269, 13033), (280, 13066), (290, 13105), (305, 13162), (330, 13273), (335, 13294), (337, 13303), (344, 13345), (354, 13396), (356, 13408), (376, 13480), (377, 13483), (388, 13555), (391, 13564), (402, 13612), (407, 13630), (410, 13639), (412, 13651), (421, 13693), (427, 13723), (441, 13768), (451, 13792), (470, 13837), (487, 13888), (493, 13900), (494, 13903), (504, 13921), (511, 13936), (524, 13987), (542, 14041), (562, 14083), (585, 14137), (586, 14140), (609, 14182), (649, 14278), (668, 14308), (694, 14392), (703, 14419), (724, 14494), (736, 14539), (738, 14548), (773, 14695), (795, 14761), (819, 14815), (823, 14824), (835, 14860), (853, 14932), (859, 14956), (867, 15001), (871, 15019), (882, 15094), (887, 15127), (896, 15169), (914, 15262), (917, 15286), (926, 15442), (927, 15460),

Gene: PascalRango_23 Start: 16002, Stop: 18614, Start Num: 135
Candidate Starts for PascalRango_23:
(Start: 135 @16002 has 221 MA's), (Start: 144 @16017 has 1 MA's), (171, 16101), (Start: 174 @16107 has 1 MA's), (182, 16131), (245, 16239), (298, 16410), (312, 16470), (313, 16473), (338, 16596), (344, 16626), (357, 16689), (417, 16908), (438, 16980), (463, 17028), (476, 17073), (564, 17298), (566, 17307), (579, 17343), (587, 17358), (597, 17385), (669, 17589), (710, 17703), (713, 17712), (720, 17733), (725, 17754), (749, 17853), (753, 17874), (758, 17895), (759, 17898), (802, 18027), (830, 18111), (844, 18156), (895, 18438), (907, 18504), (911, 18525), (918, 18564), (920, 18579),

Gene: PattyP_26 Start: 16629, Stop: 19100, Start Num: 135
Candidate Starts for PattyP_26:

(Start: 135 @16629 has 221 MA's), (Start: 150 @16668 has 5 MA's), (171, 16731), (182, 16761), (188, 16782), (196, 16803), (202, 16815), (233, 16833), (240, 16857), (260, 16923), (313, 17121), (319, 17154), (335, 17220), (396, 17475), (407, 17496), (414, 17523), (492, 17682), (519, 17718), (566, 17811), (572, 17832), (597, 17889), (637, 18009), (652, 18045), (667, 18075), (681, 18111), (705, 18177), (713, 18198), (749, 18339), (786, 18480), (797, 18501), (841, 18636), (875, 18813), (895, 18924), (907, 18990), (911, 19011), (918, 19050), (920, 19065),

Gene: Pawn_27 Start: 16057, Stop: 19083, Start Num: 48
Candidate Starts for Pawn_27:
(40, 16003), (Start: 48 @16057 has 89 MA's), (71, 16171), (88, 16237), (90, 16240), (92, 16249), (104, 16285), (122, 16336), (148, 16408), (171, 16480), (212, 16600), (214, 16603), (225, 16672), (231, 16717), (256, 16810), (262, 16819), (278, 16864), (287, 16903), (294, 16927), (298, 16939), (306, 16972), (310, 16990), (314, 17011), (324, 17059), (326, 17065), (330, 17080), (333, 17089), (335, 17101), (337, 17110), (354, 17203), (377, 17290), (381, 17320), (382, 17323), (386, 17350), (388, 17362), (401, 17416), (407, 17437), (415, 17467), (422, 17503), (462, 17629), (483, 17683), (504, 17728), (520, 17776), (530, 17818), (534, 17827), (547, 17857), (573, 17929), (575, 17935), (589, 17956), (590, 17959), (604, 17971), (655, 18088), (666, 18097), (691, 18169), (692, 18172), (707, 18208), (722, 18259), (723, 18262), (725, 18271), (767, 18454), (789, 18520), (793, 18532), (814, 18574), (835, 18637), (852, 18694), (865, 18763), (874, 18799), (887, 18880), (916, 19015), (917, 19027),

Gene: Payneful_24 Start: 15902, Stop: 18370, Start Num: 135
Candidate Starts for Payneful_24:
(Start: 135 @15902 has 221 MA's), (Start: 144 @15917 has 1 MA's), (182, 16031), (188, 16052), (196, 16073), (233, 16103), (260, 16193), (313, 16391), (319, 16424), (335, 16490), (396, 16745), (407, 16766), (414, 16793), (492, 16952), (519, 16988), (566, 17081), (572, 17102), (579, 17117), (588, 17138), (591, 17141), (611, 17210), (625, 17246), (637, 17279), (652, 17315), (667, 17345), (681, 17381), (705, 17447), (713, 17468), (749, 17609), (786, 17750), (797, 17771), (841, 17906), (875, 18083), (895, 18194), (907, 18260), (911, 18281), (918, 18320), (921, 18350),

Gene: PeaceMeal1_24 Start: 13789, Stop: 16521, Start Num: 95
Candidate Starts for PeaceMeal1_24:
(Start: 95 @13789 has 129 MA's), (Start: 163 @13966 has 10 MA's), (188, 14041), (192, 14053), (251, 14215), (259, 14236), (263, 14248), (272, 14278), (280, 14311), (291, 14356), (297, 14374), (300, 14389), (301, 14398), (308, 14419), (327, 14524), (335, 14566), (370, 14731), (411, 14893), (416, 14920), (510, 15097), (523, 15142), (552, 15217), (570, 15265), (571, 15268), (581, 15289), (582, 15292), (602, 15337), (630, 15412), (631, 15415), (637, 15436), (646, 15460), (672, 15526), (680, 15556), (685, 15568), (711, 15655), (718, 15670), (731, 15724), (749, 15799), (763, 15877), (767, 15889), (774, 15907), (785, 15946), (790, 15958), (794, 15970), (812, 16012), (815, 16024), (822, 16036), (827, 16051), (836, 16072), (838, 16084), (883, 16297), (895, 16357), (902, 16402), (916, 16453), (921, 16501),

Gene: Peaches_25 Start: 15884, Stop: 18484, Start Num: 95
Candidate Starts for Peaches_25:
(Start: 95 @15884 has 129 MA's), (Start: 153 @16025 has 23 MA's), (Start: 163 @16043 has 10 MA's), (238, 16250), (248, 16289), (255, 16319), (290, 16436), (298, 16463), (313, 16526), (326, 16589), (337, 16634), (344, 16676), (362, 16760), (460, 17027), (490, 17078), (519, 17123), (554, 17201), (569, 17234), (571, 17240), (613, 17336), (615, 17345), (639, 17408), (649, 17429), (661, 17456), (679, 17513), (680, 17519), (697, 17573), (713, 17621), (731, 17687), (767, 17852), (774, 17870), (822, 17996), (880, 18248), (881, 18251), (883, 18260), (895, 18320), (916, 18416), (921, 18464),

Gene: Pelly_25 Start: 16859, Stop: 19519, Start Num: 135

Candidate Starts for Pelly_25:
(Start: 135 @16859 has 221 MA's), (Start: 150 @16898 has 5 MA's), (171, 16961), (Start: 174 @16967 has 1 MA's), (182, 16991), (196, 17033), (313, 17342), (326, 17405), (337, 17450), (342, 17474), (357, 17549), (360, 17561), (455, 17882), (566, 18212), (587, 18263), (597, 18290), (669, 18494), (710, 18608), (713, 18617), (720, 18638), (725, 18659), (749, 18758), (758, 18800), (759, 18803), (802, 18932), (830, 19016), (844, 19061), (895, 19343), (911, 19430), (918, 19469), (920, 19484),

Gene: Pembroke_27 Start: 15980, Stop: 19006, Start Num: 48
Candidate Starts for Pembroke_27:
(40, 15926), (Start: 48 @15980 has 89 MA's), (71, 16094), (88, 16160), (90, 16163), (92, 16172), (104, 16208), (122, 16259), (148, 16331), (171, 16403), (212, 16523), (214, 16526), (225, 16595), (231, 16640), (256, 16733), (262, 16742), (268, 16760), (278, 16787), (294, 16850), (298, 16862), (306, 16895), (310, 16913), (323, 16979), (324, 16982), (326, 16988), (330, 17003), (333, 17012), (335, 17024), (337, 17033), (354, 17126), (381, 17243), (382, 17246), (386, 17273), (388, 17285), (401, 17339), (407, 17360), (422, 17426), (427, 17453), (468, 17558), (483, 17606), (504, 17651), (520, 17699), (530, 17741), (534, 17750), (547, 17780), (549, 17783), (555, 17795), (573, 17852), (575, 17858), (589, 17879), (590, 17882), (666, 18020), (671, 18032), (691, 18092), (713, 18152), (722, 18182), (723, 18185), (725, 18194), (749, 18287), (767, 18377), (789, 18443), (793, 18455), (814, 18497), (835, 18560), (852, 18617), (865, 18686), (874, 18722), (887, 18803), (916, 18938),

Gene: Penny1_27 Start: 15979, Stop: 19005, Start Num: 48
Candidate Starts for Penny1_27:
(40, 15925), (Start: 48 @15979 has 89 MA's), (71, 16093), (88, 16159), (90, 16162), (92, 16171), (104, 16207), (122, 16258), (148, 16330), (171, 16402), (212, 16522), (214, 16525), (225, 16594), (231, 16639), (256, 16732), (262, 16741), (268, 16759), (278, 16786), (294, 16849), (298, 16861), (306, 16894), (310, 16912), (323, 16978), (324, 16981), (326, 16987), (330, 17002), (333, 17011), (335, 17023), (337, 17032), (350, 17110), (354, 17125), (381, 17242), (382, 17245), (386, 17272), (388, 17284), (401, 17338), (407, 17359), (422, 17425), (432, 17464), (468, 17557), (483, 17605), (504, 17650), (520, 17698), (530, 17740), (534, 17749), (547, 17779), (549, 17782), (555, 17794), (573, 17851), (575, 17857), (589, 17878), (590, 17881), (666, 18019), (671, 18031), (691, 18091), (711, 18148), (749, 18286), (753, 18307), (757, 18331), (767, 18376), (774, 18394), (789, 18442), (793, 18454), (814, 18496), (835, 18559), (852, 18616), (865, 18685), (874, 18721), (887, 18802), (916, 18937),

Gene: Pepe_25 Start: 16870, Stop: 19701, Start Num: 135
Candidate Starts for Pepe_25:
(Start: 135 @16870 has 221 MA's), (Start: 144 @16885 has 1 MA's), (257, 17182), (276, 17242), (303, 17362), (307, 17380), (323, 17473), (335, 17518), (336, 17521), (344, 17569), (385, 17752), (392, 17779), (412, 17863), (425, 17920), (431, 17938), (433, 17947), (455, 18019), (461, 18037), (465, 18079), (466, 18082), (479, 18127), (503, 18190), (505, 18193), (538, 18310), (556, 18346), (566, 18373), (569, 18385), (575, 18403), (583, 18418), (604, 18481), (645, 18610), (664, 18655), (674, 18688), (678, 18700), (722, 18829), (745, 18925), (766, 19012), (767, 19015), (774, 19033), (841, 19237), (875, 19414), (895, 19525), (911, 19612), (918, 19651), (920, 19666),

Gene: Perplexer_25 Start: 15879, Stop: 18479, Start Num: 95
Candidate Starts for Perplexer_25:
(Start: 95 @15879 has 129 MA's), (230, 16221), (243, 16269), (261, 16326), (290, 16431), (294, 16446), (298, 16458), (313, 16521), (337, 16629), (340, 16650), (344, 16671), (460, 17022), (490, 17073), (519, 17118), (569, 17229), (571, 17235), (613, 17331), (628, 17367), (639, 17403), (661, 17451), (697, 17568), (731, 17682), (767, 17847), (774, 17865), (815, 17979), (822, 17991), (851, 18081), (869, 18174), (881, 18246), (883, 18255), (895, 18315), (897, 18324), (909, 18378), (916, 18411), (921, 18459),

Gene: Perseus_25 Start: 16486, Stop: 18966, Start Num: 135
Candidate Starts for Perseus_25:
(Start: 135 @16486 has 221 MA's), (Start: 150 @16525 has 5 MA's), (171, 16588), (182, 16618), (196, 16660), (284, 16867), (290, 16885), (313, 16975), (326, 17038), (333, 17062), (335, 17074), (344, 17125), (483, 17509), (538, 17611), (558, 17650), (566, 17665), (579, 17701), (625, 17830), (667, 17929), (705, 18031), (713, 18052), (718, 18064), (725, 18094), (749, 18193), (762, 18256), (834, 18475), (843, 18508), (895, 18790), (911, 18877), (918, 18916),

Gene: PeterPeter_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for PeterPeter_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Petersenfast_26 Start: 17160, Stop: 19706, Start Num: 91
Candidate Starts for Petersenfast_26:
(Start: 91 @17160 has 24 MA's), (Start: 96 @17178 has 4 MA's), (Start: 156 @17352 has 18 MA's), (159, 17361), (196, 17436), (248, 17490), (265, 17544), (270, 17559), (271, 17562), (278, 17580), (294, 17643), (298, 17655), (313, 17718), (326, 17781), (330, 17796), (333, 17805), (337, 17826), (341, 17850), (344, 17865), (364, 17952), (366, 17955), (372, 17970), (378, 17991), (380, 18003), (396, 18069), (418, 18141), (425, 18165), (454, 18246), (457, 18255), (462, 18267), (471, 18309), (513, 18366), (532, 18420), (577, 18528), (595, 18567), (647, 18708), (690, 18804), (695, 18825), (708, 18858), (721, 18891), (722, 18894), (748, 18978), (758, 19023), (759, 19026), (792, 19140), (804, 19173), (830, 19245), (842, 19281), (857, 19353), (873, 19431), (881, 19485), (886, 19509), (912, 19620),

Gene: Peterson_27 Start: 18069, Stop: 20729, Start Num: 135
Candidate Starts for Peterson_27:
(Start: 135 @18069 has 221 MA's), (Start: 150 @18108 has 5 MA's), (171, 18171), (Start: 174 @18177 has 1 MA's), (182, 18201), (196, 18243), (313, 18552), (337, 18660), (342, 18684), (357, 18759), (360, 18771), (455, 19092), (566, 19422), (587, 19473), (597, 19500), (669, 19704), (710, 19818), (713, 19827), (720, 19848), (725, 19869), (749, 19968), (758, 20010), (759, 20013), (802, 20142), (830, 20226), (844, 20271), (895, 20553), (911, 20640), (918, 20679), (920, 20694),

Gene: PetiteSangsue_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for PetiteSangsue_25:
(Start: 95 @15885 has 129 MA's), (230, 16227), (243, 16275), (261, 16332), (290, 16437), (294, 16452), (298, 16464), (313, 16527), (337, 16635), (340, 16656), (344, 16677), (460, 17028), (490, 17079), (519, 17124), (569, 17235), (571, 17241), (613, 17337), (628, 17373), (639, 17409), (661, 17457), (697, 17574), (731, 17688), (767, 17853), (774, 17871), (815, 17985), (822, 17997), (851, 18087), (869, 18180), (881, 18252), (883, 18261), (895, 18321), (897, 18330), (916, 18417), (921, 18465),

Gene: Petp2012_26 Start: 17297, Stop: 19771, Start Num: 135
Candidate Starts for Petp2012_26:
(Start: 135 @17297 has 221 MA's), (Start: 150 @17336 has 5 MA's), (171, 17399), (182, 17429), (188, 17450), (264, 17606), (288, 17687), (313, 17783), (319, 17816), (335, 17882), (425, 18218), (469, 18290), (546, 18437), (569, 18482), (579, 18506), (625, 18635), (667, 18734), (705, 18836), (713, 18857), (725, 18899), (749, 18998), (762, 19061), (789, 19151), (834, 19280), (843, 19313), (895, 19595), (907, 19661), (911, 19682), (918, 19721), (920, 19736),

Gene: Petruchio_24 Start: 16327, Stop: 18795, Start Num: 135
Candidate Starts for Petruchio_24:
(Start: 135 @16327 has 221 MA's), (Start: 150 @16366 has 5 MA's), (171, 16429), (182, 16459), (188, 16480), (196, 16501), (202, 16513), (233, 16531), (246, 16576), (260, 16621), (313, 16816), (319, 16849), (335, 16915), (396, 17170), (407, 17191), (414, 17218), (423, 17257), (448, 17314), (478, 17344), (492, 17377), (519, 17413), (566, 17506), (572, 17527), (597, 17584), (637, 17704), (652, 17740), (667, 17770), (681, 17806), (705, 17872), (713, 17893), (749, 18034), (786, 18175), (797, 18196), (841, 18331), (895, 18619), (911, 18706), (918, 18745),

Gene: PetterN_23 Start: 15059, Stop: 17872, Start Num: 1
Candidate Starts for PetterN_23:
(Start: 1 @15059 has 40 MA's), (7, 15248), (Start: 95 @15731 has 129 MA's), (97, 15737), (183, 15830), (206, 15881), (243, 15917), (272, 16007), (288, 16073), (294, 16094), (313, 16169), (319, 16202), (333, 16256), (338, 16289), (339, 16292), (341, 16301), (362, 16400), (367, 16409), (375, 16433), (412, 16562), (449, 16676), (507, 16718), (511, 16727), (572, 16793), (632, 16886), (641, 16919), (686, 17006), (697, 17039), (703, 17051), (716, 17081), (749, 17144), (758, 17186), (777, 17258), (789, 17285), (795, 17300), (804, 17327), (813, 17348), (842, 17435), (849, 17465), (850, 17468), (863, 17528), (880, 17627), (883, 17639), (885, 17651), (887, 17660), (916, 17807),

Gene: Ph8s_27 Start: 15361, Stop: 17886, Start Num: 127
Candidate Starts for Ph8s_27:
(Start: 127 @15361 has 6 MA's), (134, 15379), (173, 15484), (197, 15550), (198, 15553), (199, 15556), (211, 15586), (278, 15805), (286, 15841), (298, 15880), (310, 15931), (319, 15976), (323, 15997), (333, 16030), (336, 16045), (337, 16051), (340, 16072), (381, 16261), (385, 16288), (388, 16303), (401, 16357), (407, 16378), (422, 16444), (504, 16669), (511, 16684), (516, 16711), (522, 16726), (539, 16780), (542, 16789), (557, 16816), (563, 16834), (573, 16870), (589, 16897), (590, 16900), (611, 16939), (614, 16951), (666, 17038), (691, 17110), (701, 17137), (722, 17200), (734, 17245), (775, 17407), (821, 17470), (868, 17596), (882, 17668), (885, 17686), (886, 17689), (899, 17764), (913, 17800),

Gene: Phacado_25 Start: 15884, Stop: 18484, Start Num: 95
Candidate Starts for Phacado_25:
(Start: 95 @15884 has 129 MA's), (Start: 153 @16025 has 23 MA's), (Start: 163 @16043 has 10 MA's), (238, 16250), (248, 16289), (255, 16319), (290, 16436), (298, 16463), (313, 16526), (326, 16589), (337, 16634), (344, 16676), (362, 16760), (460, 17027), (490, 17078), (519, 17123), (554, 17201), (569, 17234), (571, 17240), (581, 17261), (639, 17408), (649, 17429), (659, 17453), (680, 17519), (697, 17573), (713, 17621), (731, 17687), (767, 17852), (774, 17870), (822, 17996), (880, 18248), (881, 18251), (883, 18260), (895, 18320), (916, 18416), (921, 18464),

Gene: Phaded_29 Start: 18699, Stop: 21095, Start Num: 145
Candidate Starts for Phaded_29:
(Start: 145 @18699 has 7 MA's), (Start: 150 @18717 has 5 MA's), (160, 18750), (165, 18756), (201, 18852), (217, 18894), (242, 18957), (243, 18960), (272, 19050), (276, 19065), (283, 19095), (284, 19104), (295, 19140), (298, 19149), (313, 19212), (319, 19245), (330, 19290), (335, 19311), (337, 19320), (356, 19425), (397, 19566), (471, 19734), (478, 19740), (521, 19812), (596, 19980), (601, 19998), (661, 20154), (685, 20208), (702, 20244), (720, 20295), (737, 20355), (743, 20388), (744, 20400), (753, 20433), (754, 20436), (798, 20574), (803, 20586), (820, 20628), (836, 20664), (838, 20676), (840, 20682), (885, 20892),

Gene: Phaeder_27 Start: 17590, Stop: 20499, Start Num: 66
Candidate Starts for Phaeder_27:

(Start: 66 @17590 has 43 MA's), (69, 17602), (85, 17662), (Start: 138 @17821 has 1 MA's), (157, 17884), (178, 17947), (191, 17989), (214, 18046), (258, 18256), (262, 18262), (267, 18277), (293, 18367), (294, 18370), (298, 18382), (309, 18424), (319, 18478), (337, 18553), (340, 18574), (341, 18577), (344, 18595), (356, 18658), (375, 18724), (381, 18763), (385, 18790), (388, 18805), (396, 18835), (401, 18859), (404, 18871), (407, 18880), (422, 18946), (432, 18985), (456, 19051), (468, 19078), (474, 19105), (504, 19171), (518, 19216), (542, 19291), (563, 19336), (568, 19357), (575, 19378), (577, 19381), (589, 19399), (590, 19402), (609, 19429), (644, 19510), (671, 19552), (722, 19702), (726, 19717), (734, 19747), (747, 19798), (766, 19885), (768, 19894), (785, 19945), (814, 20008), (822, 20029), (833, 20065), (846, 20101), (847, 20107), (865, 20185), (872, 20212), (881, 20272), (895, 20341), (899, 20371), (905, 20398), (917, 20437), (922, 20479),

Gene: Phantastic_25 Start: 15463, Stop: 18498, Start Num: 47
Candidate Starts for Phantastic_25:
(Start: 47 @15463 has 37 MA's), (87, 15637), (90, 15649), (Start: 99 @15682 has 4 MA's), (171, 15892), (200, 15979), (212, 16012), (214, 16015), (256, 16219), (262, 16228), (266, 16240), (278, 16273), (291, 16327), (294, 16336), (298, 16348), (306, 16381), (310, 16399), (313, 16411), (328, 16477), (335, 16510), (337, 16519), (354, 16612), (381, 16729), (388, 16771), (401, 16825), (407, 16846), (422, 16912), (483, 17092), (511, 17152), (518, 17182), (530, 17227), (534, 17236), (547, 17266), (555, 17281), (563, 17302), (573, 17338), (589, 17365), (590, 17368), (607, 17389), (633, 17452), (671, 17518), (691, 17578), (707, 17617), (713, 17638), (722, 17668), (723, 17671), (725, 17680), (730, 17704), (749, 17773), (753, 17794), (767, 17863), (774, 17881), (789, 17929), (793, 17941), (814, 17983), (818, 17995), (833, 18043), (835, 18046), (874, 18214), (883, 18274), (885, 18286), (887, 18295), (916, 18430), (921, 18478),

Gene: Pharaoh_26 Start: 17176, Stop: 20193, Start Num: 33
Candidate Starts for Pharaoh_26:
(26, 17146), (Start: 33 @17176 has 5 MA's), (Start: 66 @17353 has 43 MA's), (67, 17356), (69, 17365), (106, 17500), (143, 17596), (157, 17647), (178, 17710), (191, 17752), (212, 17806), (214, 17809), (236, 17938), (258, 18025), (267, 18046), (274, 18067), (291, 18130), (293, 18136), (298, 18151), (305, 18181), (309, 18193), (310, 18202), (318, 18238), (324, 18271), (337, 18322), (340, 18343), (341, 18346), (381, 18532), (388, 18574), (394, 18592), (401, 18628), (407, 18649), (422, 18715), (426, 18733), (427, 18742), (432, 18754), (441, 18787), (454, 18817), (471, 18865), (504, 18940), (542, 19060), (557, 19087), (563, 19105), (567, 19120), (573, 19141), (589, 19168), (607, 19192), (634, 19255), (700, 19408), (707, 19420), (722, 19471), (734, 19516), (757, 19612), (810, 19741), (814, 19750), (848, 19831), (868, 19903), (886, 19990), (899, 20065), (905, 20092), (917, 20131),

Gene: Phelipe_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Phelipe_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (269, 16356), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: PherrisBueller_25 Start: 16235, Stop: 18706, Start Num: 135
Candidate Starts for PherrisBueller_25:
(Start: 135 @16235 has 221 MA's), (Start: 150 @16274 has 5 MA's), (171, 16337), (182, 16367), (188, 16388), (196, 16409), (233, 16439), (240, 16463), (260, 16529), (313, 16727), (319, 16760), (335, 16826), (396, 17081), (407, 17102), (414, 17129), (492, 17288), (519, 17324), (566, 17417), (572, 17438), (597, 17495), (637, 17615), (652, 17651), (667, 17681), (681, 17717), (705, 17783), (713, 17804), (749, 17945), (786, 18086), (797, 18107), (841, 18242), (875, 18419), (895, 18530), (911, 18617), (918, 18656), (921, 18686),

Gene: Phighter1804_25 Start: 15863, Stop: 18463, Start Num: 95
Candidate Starts for Phighter1804_25:
(Start: 95 @15863 has 129 MA's), (Start: 153 @16004 has 23 MA's), (Start: 163 @16022 has 10 MA's), (238, 16229), (255, 16298), (290, 16415), (298, 16442), (313, 16505), (326, 16568), (337, 16613), (344, 16655), (362, 16739), (423, 16946), (460, 17006), (490, 17057), (519, 17102), (554, 17180), (569, 17213), (571, 17219), (619, 17333), (639, 17387), (659, 17432), (679, 17492), (697, 17552), (731, 17666), (737, 17684), (767, 17831), (774, 17849), (822, 17975), (880, 18227), (881, 18230), (883, 18239), (894, 18296), (895, 18299), (902, 18344), (916, 18395), (921, 18443),

Gene: Phillis_22 Start: 14522, Stop: 17599, Start Num: 12
Candidate Starts for Phillis_22:
(Start: 12 @14522 has 13 MA's), (16, 14606), (32, 14774), (36, 14798), (53, 14846), (82, 14966), (90, 14993), (102, 15038), (158, 15188), (159, 15191), (162, 15197), (248, 15383), (267, 15443), (296, 15542), (299, 15557), (312, 15608), (313, 15611), (319, 15644), (326, 15677), (364, 15845), (418, 16028), (425, 16052), (445, 16100), (457, 16121), (458, 16124), (527, 16268), (548, 16325), (561, 16355), (574, 16394), (606, 16466), (614, 16496), (662, 16595), (674, 16625), (690, 16670), (701, 16703), (749, 16868), (753, 16889), (756, 16901), (777, 16982), (789, 17009), (813, 17072), (822, 17096), (832, 17126), (842, 17159), (850, 17192), (863, 17252), (868, 17279), (886, 17378), (887, 17384), (904, 17474), (912, 17495), (918, 17534), (925, 17582),

Gene: PhineBark_23 Start: 17126, Stop: 19597, Start Num: 135
Candidate Starts for PhineBark_23:
(Start: 135 @17126 has 221 MA's), (Start: 150 @17165 has 5 MA's), (171, 17228), (182, 17258), (188, 17279), (196, 17300), (233, 17330), (240, 17354), (260, 17420), (313, 17618), (319, 17651), (335, 17717), (396, 17972), (407, 17993), (414, 18020), (492, 18179), (519, 18215), (566, 18308), (572, 18329), (597, 18386), (637, 18506), (652, 18542), (667, 18572), (681, 18608), (705, 18674), (713, 18695), (749, 18836), (786, 18977), (797, 18998), (841, 19133), (875, 19310), (895, 19421), (907, 19487), (911, 19508), (918, 19547), (920, 19562),

Gene: PhishRPhriends_26 Start: 15241, Stop: 18267, Start Num: 48
Candidate Starts for PhishRPhriends_26:
(40, 15187), (Start: 48 @15241 has 89 MA's), (71, 15355), (88, 15421), (90, 15424), (92, 15433), (104, 15469), (122, 15520), (148, 15592), (171, 15664), (212, 15784), (214, 15787), (225, 15856), (231, 15901), (256, 15994), (262, 16003), (278, 16048), (287, 16087), (294, 16111), (298, 16123), (306, 16156), (310, 16174), (314, 16195), (324, 16243), (326, 16249), (330, 16264), (333, 16273), (335, 16285), (337, 16294), (354, 16387), (377, 16474), (381, 16504), (382, 16507), (386, 16534), (388, 16546), (401, 16600), (407, 16621), (415, 16651), (422, 16687), (462, 16813), (483, 16867), (504, 16912), (518, 16957), (520, 16960), (530, 17002), (534, 17011), (547, 17041), (573, 17113), (575, 17119), (589, 17140), (590, 17143), (604, 17155), (655, 17272), (666, 17281), (691, 17353), (692, 17356), (707, 17392), (722, 17443), (723, 17446), (725, 17455), (767, 17638), (789, 17704), (793, 17716), (814, 17758), (835, 17821), (852, 17878), (865, 17947), (874, 17983), (887, 18064), (916, 18199), (917, 18211),

Gene: Phlei_21 Start: 17431, Stop: 20733, Start Num: 2
Candidate Starts for Phlei_21:
(2, 17431), (5, 17455), (6, 17557), (15, 17701), (18, 17746), (21, 17836), (50, 17962), (53, 17968), (72, 18067), (100, 18178), (159, 18352), (165, 18364), (177, 18403), (188, 18439), (248, 18547), (267, 18607), (277, 18634), (282, 18652), (284, 18667), (313, 18775), (321, 18820), (325, 18832), (330, 18853), (337, 18883), (364, 19009), (387, 19102), (423, 19198), (444, 19252), (445, 19255), (446, 19258), (467, 19285), (476, 19309), (481, 19321), (563, 19468), (651, 19711), (683, 19786), (693, 19810), (733, 19927), (740, 19957), (749, 19993), (752, 20005), (753, 20014), (755, 20023), (777, 20107), (789, 20134), (804, 20176), (813, 20197), (862, 20386), (865, 20413), (882, 20512), (885,

20530), (886, 20533), (900, 20608),

Gene: Phlippers_23 Start: 17321, Stop: 19900, Start Num: 135
Candidate Starts for Phlippers_23:
(Start: 135 @17321 has 221 MA's), (Start: 150 @17360 has 5 MA's), (171, 17423), (182, 17453), (275, 17672), (285, 17708), (326, 17876), (337, 17921), (341, 17945), (344, 17963), (433, 18275), (501, 18431), (536, 18533), (551, 18566), (581, 18638), (597, 18677), (625, 18764), (667, 18863), (705, 18965), (713, 18986), (718, 18998), (725, 19028), (749, 19127), (762, 19190), (789, 19280), (834, 19409), (843, 19442), (875, 19613), (895, 19724), (907, 19790), (911, 19811), (918, 19850), (921, 19880),

Gene: Phlorence_22 Start: 15349, Stop: 18690, Start Num: 1
Candidate Starts for Phlorence_22:
(Start: 1 @15349 has 40 MA's), (19, 15787), (Start: 95 @16099 has 129 MA's), (118, 16177), (131, 16207), (152, 16264), (202, 16411), (204, 16417), (206, 16423), (269, 16549), (273, 16561), (313, 16711), (320, 16747), (326, 16777), (330, 16792), (337, 16822), (338, 16834), (343, 16858), (356, 16927), (379, 16993), (425, 17149), (457, 17218), (458, 17221), (472, 17248), (485, 17272), (543, 17410), (556, 17431), (572, 17476), (593, 17518), (672, 17710), (680, 17740), (690, 17764), (693, 17776), (699, 17797), (716, 17839), (740, 17926), (749, 17962), (753, 17983), (758, 18004), (781, 18082), (789, 18103), (797, 18124), (804, 18145), (813, 18166), (822, 18190), (842, 18253), (863, 18346), (866, 18364), (880, 18445), (883, 18457), (885, 18469), (887, 18478), (898, 18532), (915, 18616), (916, 18625),

Gene: Phoebe_27 Start: 15977, Stop: 19003, Start Num: 48
Candidate Starts for Phoebe_27:
(40, 15923), (Start: 48 @15977 has 89 MA's), (71, 16091), (88, 16157), (90, 16160), (92, 16169), (104, 16205), (122, 16256), (148, 16328), (171, 16400), (212, 16520), (214, 16523), (225, 16592), (231, 16637), (256, 16730), (262, 16739), (268, 16757), (278, 16784), (294, 16847), (298, 16859), (306, 16892), (310, 16910), (323, 16976), (324, 16979), (326, 16985), (330, 17000), (333, 17009), (335, 17021), (337, 17030), (354, 17123), (381, 17240), (382, 17243), (386, 17270), (388, 17282), (401, 17336), (407, 17357), (422, 17423), (427, 17450), (468, 17555), (483, 17603), (504, 17648), (520, 17696), (530, 17738), (534, 17747), (547, 17777), (549, 17780), (555, 17792), (573, 17849), (575, 17855), (589, 17876), (590, 17879), (666, 18017), (671, 18029), (691, 18089), (713, 18149), (722, 18179), (723, 18182), (725, 18191), (749, 18284), (767, 18374), (789, 18440), (793, 18452), (814, 18494), (835, 18557), (852, 18614), (865, 18683), (874, 18719), (887, 18800), (916, 18935),

Gene: Phonnegut_27 Start: 17623, Stop: 20532, Start Num: 66
Candidate Starts for Phonnegut_27:
(Start: 66 @17623 has 43 MA's), (69, 17635), (85, 17695), (Start: 138 @17854 has 1 MA's), (157, 17917), (178, 17980), (191, 18022), (214, 18079), (222, 18118), (258, 18289), (262, 18295), (267, 18310), (293, 18400), (294, 18403), (298, 18415), (309, 18457), (319, 18511), (337, 18586), (340, 18607), (341, 18610), (344, 18628), (356, 18691), (375, 18757), (381, 18796), (385, 18823), (388, 18838), (396, 18868), (401, 18892), (404, 18904), (407, 18913), (422, 18979), (432, 19018), (456, 19084), (468, 19111), (474, 19138), (518, 19249), (542, 19324), (563, 19369), (568, 19390), (575, 19411), (577, 19414), (589, 19432), (590, 19435), (609, 19462), (615, 19489), (644, 19543), (722, 19735), (726, 19750), (734, 19780), (747, 19831), (766, 19918), (768, 19927), (785, 19978), (814, 20041), (822, 20062), (833, 20098), (846, 20134), (847, 20140), (865, 20218), (872, 20245), (881, 20305), (895, 20374), (899, 20404), (905, 20431), (917, 20470), (922, 20512),

Gene: Phontbonne_25 Start: 15829, Stop: 18429, Start Num: 95
Candidate Starts for Phontbonne_25:
(Start: 95 @15829 has 129 MA's), (Start: 153 @15970 has 23 MA's), (Start: 163 @15988 has 10 MA's), (238, 16195), (248, 16234), (255, 16264), (290, 16381), (298, 16408), (313, 16471), (326,

16534), (337, 16579), (344, 16621), (362, 16705), (423, 16912), (460, 16972), (490, 17023), (519, 17068), (554, 17146), (569, 17179), (571, 17185), (639, 17353), (649, 17374), (659, 17398), (679, 17458), (680, 17464), (681, 17467), (697, 17518), (713, 17566), (731, 17632), (767, 17797), (774, 17815), (822, 17941), (880, 18193), (881, 18196), (883, 18205), (895, 18265), (916, 18361), (921, 18409),

Gene: Phoxy_27 Start: 16063, Stop: 19089, Start Num: 48
Candidate Starts for Phoxy_27:
(40, 16009), (Start: 48 @16063 has 89 MA's), (71, 16177), (88, 16243), (90, 16246), (92, 16255), (104, 16291), (122, 16342), (148, 16414), (171, 16486), (212, 16606), (214, 16609), (225, 16678), (231, 16723), (256, 16816), (262, 16825), (268, 16843), (278, 16870), (294, 16933), (298, 16945), (306, 16978), (310, 16996), (323, 17062), (324, 17065), (326, 17071), (330, 17086), (333, 17095), (335, 17107), (337, 17116), (350, 17194), (354, 17209), (381, 17326), (382, 17329), (386, 17356), (388, 17368), (401, 17422), (407, 17443), (422, 17509), (432, 17548), (468, 17641), (483, 17689), (504, 17734), (530, 17824), (534, 17833), (547, 17863), (568, 17920), (573, 17935), (589, 17962), (590, 17965), (666, 18103), (671, 18115), (691, 18175), (711, 18232), (749, 18370), (753, 18391), (757, 18415), (767, 18460), (774, 18478), (789, 18526), (793, 18538), (814, 18580), (835, 18643), (852, 18700), (865, 18769), (874, 18805), (887, 18886), (916, 19021),

Gene: Phranny_28 Start: 16049, Stop: 19075, Start Num: 48
Candidate Starts for Phranny_28:
(40, 15995), (Start: 48 @16049 has 89 MA's), (71, 16163), (88, 16229), (90, 16232), (92, 16241), (104, 16277), (122, 16328), (148, 16400), (171, 16472), (212, 16592), (214, 16595), (225, 16664), (231, 16709), (256, 16802), (262, 16811), (278, 16856), (287, 16895), (294, 16919), (298, 16931), (306, 16964), (310, 16982), (314, 17003), (324, 17051), (326, 17057), (330, 17072), (333, 17081), (335, 17093), (337, 17102), (354, 17195), (377, 17282), (381, 17312), (382, 17315), (386, 17342), (388, 17354), (401, 17408), (407, 17429), (415, 17459), (422, 17495), (462, 17621), (483, 17675), (504, 17720), (520, 17768), (530, 17810), (534, 17819), (547, 17849), (573, 17921), (575, 17927), (589, 17948), (590, 17951), (604, 17963), (655, 18080), (666, 18089), (691, 18161), (692, 18164), (707, 18200), (722, 18251), (723, 18254), (725, 18263), (767, 18446), (789, 18512), (793, 18524), (814, 18566), (835, 18629), (852, 18686), (865, 18755), (874, 18791), (887, 18872), (916, 19007), (917, 19019),

Gene: PhrostyMug_24 Start: 16398, Stop: 18878, Start Num: 135
Candidate Starts for PhrostyMug_24:
(Start: 135 @16398 has 221 MA's), (Start: 150 @16437 has 5 MA's), (171, 16500), (182, 16530), (196, 16572), (284, 16779), (290, 16797), (313, 16887), (326, 16950), (333, 16974), (335, 16986), (344, 17037), (483, 17421), (538, 17523), (558, 17562), (569, 17589), (579, 17613), (625, 17742), (667, 17841), (705, 17943), (713, 17964), (725, 18006), (749, 18105), (762, 18168), (834, 18387), (843, 18420), (895, 18702), (911, 18789), (918, 18828), (920, 18843),

Gene: PickleBack_22 Start: 15063, Stop: 18404, Start Num: 1
Candidate Starts for PickleBack_22:
(Start: 1 @15063 has 40 MA's), (19, 15501), (Start: 95 @15813 has 129 MA's), (118, 15891), (131, 15921), (152, 15978), (202, 16125), (204, 16131), (206, 16137), (269, 16263), (273, 16275), (313, 16425), (320, 16461), (326, 16491), (330, 16506), (337, 16536), (338, 16548), (343, 16572), (356, 16641), (379, 16707), (425, 16863), (457, 16932), (458, 16935), (472, 16962), (485, 16986), (543, 17124), (556, 17145), (572, 17190), (593, 17232), (672, 17424), (680, 17454), (690, 17478), (693, 17490), (699, 17511), (716, 17553), (740, 17640), (749, 17676), (753, 17697), (758, 17718), (781, 17796), (789, 17817), (797, 17838), (804, 17859), (813, 17880), (822, 17904), (842, 17967), (863, 18060), (866, 18078), (880, 18159), (883, 18171), (885, 18183), (887, 18192), (898, 18246), (915, 18330), (916, 18339),

Gene: PinkPlastic_23 Start: 16163, Stop: 18640, Start Num: 135
Candidate Starts for PinkPlastic_23:
(Start: 135 @16163 has 221 MA's), (Start: 150 @16202 has 5 MA's), (171, 16265), (177, 16283), (182, 16295), (188, 16316), (235, 16376), (264, 16472), (284, 16541), (288, 16553), (313, 16649), (319, 16682), (483, 17183), (538, 17285), (558, 17324), (566, 17339), (569, 17351), (579, 17375), (625, 17504), (667, 17603), (705, 17705), (713, 17726), (725, 17768), (749, 17867), (762, 17930), (789, 18020), (834, 18149), (843, 18182), (895, 18464), (907, 18530), (911, 18551), (918, 18590), (920, 18605),

Gene: Pinto_26 Start: 16466, Stop: 18934, Start Num: 135
Candidate Starts for Pinto_26:
(Start: 135 @16466 has 221 MA's), (Start: 144 @16481 has 1 MA's), (182, 16595), (188, 16616), (196, 16637), (233, 16667), (240, 16691), (246, 16712), (260, 16757), (313, 16955), (319, 16988), (335, 17054), (396, 17309), (407, 17330), (414, 17357), (492, 17516), (519, 17552), (566, 17645), (572, 17666), (579, 17681), (588, 17702), (591, 17705), (611, 17774), (625, 17810), (637, 17843), (652, 17879), (667, 17909), (681, 17945), (705, 18011), (713, 18032), (749, 18173), (786, 18314), (797, 18335), (841, 18470), (875, 18647), (895, 18758), (907, 18824), (911, 18845), (918, 18884),

Gene: Pioneer_27 Start: 17623, Stop: 20532, Start Num: 66
Candidate Starts for Pioneer_27:
(Start: 66 @17623 has 43 MA's), (69, 17635), (85, 17695), (Start: 138 @17854 has 1 MA's), (157, 17917), (178, 17980), (191, 18022), (214, 18079), (222, 18118), (258, 18289), (262, 18295), (267, 18310), (293, 18400), (294, 18403), (298, 18415), (309, 18457), (319, 18511), (337, 18586), (340, 18607), (341, 18610), (344, 18628), (356, 18691), (375, 18757), (381, 18796), (385, 18823), (388, 18838), (396, 18868), (401, 18892), (404, 18904), (407, 18913), (422, 18979), (432, 19018), (456, 19084), (468, 19111), (474, 19138), (518, 19249), (542, 19324), (563, 19369), (568, 19390), (575, 19411), (577, 19414), (589, 19432), (590, 19435), (609, 19462), (615, 19489), (644, 19543), (722, 19735), (726, 19750), (734, 19780), (747, 19831), (766, 19918), (768, 19927), (785, 19978), (814, 20041), (822, 20062), (833, 20098), (846, 20134), (847, 20140), (865, 20218), (872, 20245), (881, 20305), (895, 20374), (899, 20404), (905, 20431), (917, 20470), (922, 20512),

Gene: Pipcraft_25 Start: 16026, Stop: 18485, Start Num: 153
Candidate Starts for Pipcraft_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Pippin_26 Start: 16733, Stop: 19204, Start Num: 135
Candidate Starts for Pippin_26:
(Start: 135 @16733 has 221 MA's), (Start: 150 @16772 has 5 MA's), (171, 16835), (182, 16865), (188, 16886), (196, 16907), (202, 16919), (233, 16937), (240, 16961), (281, 17099), (290, 17135), (313, 17225), (319, 17258), (335, 17324), (396, 17579), (407, 17600), (414, 17627), (416, 17642), (448, 17723), (492, 17786), (519, 17822), (566, 17915), (572, 17936), (579, 17951), (588, 17972), (591, 17975), (611, 18044), (625, 18080), (637, 18113), (652, 18149), (667, 18179), (681, 18215), (705, 18281), (713, 18302), (749, 18443), (786, 18584), (797, 18605), (841, 18740), (875, 18917), (895, 19028), (907, 19094), (911, 19115), (918, 19154), (920, 19169),

Gene: Piro94_27 Start: 17131, Stop: 19638, Start Num: 130
Candidate Starts for Piro94_27:

(Start: 130 @17131 has 101 MA's), (173, 17242), (193, 17299), (253, 17485), (278, 17548), (285, 17581), (287, 17587), (330, 17767), (333, 17776), (336, 17791), (337, 17797), (340, 17818), (341, 17821), (344, 17839), (355, 17899), (381, 18007), (388, 18049), (391, 18058), (394, 18067), (401, 18103), (407, 18124), (421, 18187), (422, 18190), (426, 18208), (432, 18229), (504, 18415), (511, 18430), (516, 18457), (534, 18514), (540, 18529), (542, 18535), (547, 18544), (550, 18550), (563, 18580), (568, 18601), (590, 18646), (601, 18652), (611, 18685), (620, 18712), (666, 18784), (671, 18796), (691, 18856), (701, 18883), (722, 18946), (734, 18991), (746, 19039), (756, 19075), (761, 19108), (803, 19171), (814, 19195), (868, 19339), (886, 19438), (901, 19525), (924, 19624),

Gene: Pistachio_26 Start: 15042, Stop: 18077, Start Num: 47
Candidate Starts for Pistachio_26:
(Start: 47 @15042 has 37 MA's), (87, 15216), (90, 15228), (Start: 99 @15261 has 4 MA's), (171, 15471), (212, 15591), (214, 15594), (256, 15798), (266, 15819), (277, 15849), (278, 15852), (294, 15915), (298, 15927), (306, 15960), (310, 15978), (324, 16047), (326, 16053), (330, 16068), (333, 16077), (335, 16089), (337, 16098), (354, 16191), (381, 16308), (382, 16311), (385, 16335), (386, 16338), (388, 16350), (401, 16404), (407, 16425), (412, 16446), (422, 16491), (427, 16518), (432, 16530), (483, 16671), (504, 16716), (511, 16731), (530, 16806), (534, 16815), (547, 16845), (555, 16860), (557, 16863), (563, 16881), (568, 16902), (569, 16905), (589, 16944), (590, 16947), (633, 17031), (671, 17097), (677, 17118), (691, 17157), (707, 17196), (713, 17217), (722, 17247), (723, 17250), (725, 17259), (730, 17283), (749, 17352), (753, 17373), (767, 17442), (774, 17460), (789, 17508), (793, 17520), (814, 17562), (818, 17574), (833, 17622), (874, 17793), (877, 17823), (883, 17853), (887, 17874), (916, 18009), (921, 18057),

Gene: Pita2_26 Start: 16832, Stop: 19303, Start Num: 135
Candidate Starts for Pita2_26:
(Start: 135 @16832 has 221 MA's), (Start: 150 @16871 has 5 MA's), (171, 16934), (182, 16964), (188, 16985), (196, 17006), (202, 17018), (233, 17036), (260, 17126), (313, 17324), (319, 17357), (335, 17423), (396, 17678), (407, 17699), (414, 17726), (492, 17885), (519, 17921), (566, 18014), (572, 18035), (597, 18092), (637, 18212), (652, 18248), (667, 18278), (681, 18314), (705, 18380), (713, 18401), (749, 18542), (786, 18683), (797, 18704), (841, 18839), (875, 19016), (895, 19127), (907, 19193), (911, 19214), (918, 19253), (920, 19268),

Gene: Pmask_29 Start: 16729, Stop: 18933, Start Num: 93
Candidate Starts for Pmask_29:
(41, 16570), (77, 16684), (Start: 93 @16729 has 49 MA's), (Start: 145 @16840 has 7 MA's), (147, 16846), (182, 16954), (196, 16996), (261, 17119), (273, 17155), (282, 17182), (313, 17305), (319, 17338), (339, 17428), (352, 17497), (425, 17740), (531, 17878), (623, 17998), (721, 18151), (749, 18214), (758, 18256), (789, 18355), (797, 18376), (804, 18397), (813, 18418), (830, 18469), (834, 18481), (840, 18496), (857, 18577), (873, 18655),

Gene: Pocahontas_26 Start: 16040, Stop: 19078, Start Num: 47
Candidate Starts for Pocahontas_26:
(Start: 47 @16040 has 37 MA's), (87, 16214), (90, 16226), (Start: 99 @16259 has 4 MA's), (171, 16466), (177, 16487), (212, 16586), (214, 16589), (256, 16799), (266, 16820), (278, 16853), (294, 16916), (298, 16928), (306, 16961), (310, 16979), (314, 17000), (324, 17048), (326, 17054), (330, 17069), (333, 17078), (335, 17090), (337, 17099), (354, 17192), (381, 17309), (382, 17312), (386, 17339), (388, 17351), (401, 17405), (407, 17426), (422, 17492), (432, 17531), (483, 17672), (504, 17717), (530, 17807), (534, 17816), (547, 17846), (568, 17903), (573, 17918), (589, 17945), (590, 17948), (605, 17966), (655, 18077), (691, 18158), (711, 18215), (724, 18257), (749, 18353), (753, 18374), (757, 18398), (767, 18443), (774, 18461), (789, 18509), (793, 18521), (814, 18563), (818, 18575), (833, 18623), (874, 18794), (883, 18854), (885, 18866), (892, 18893), (895, 18914), (916, 19010), (921, 19058),

Gene: Polymorphads_25 Start: 15882, Stop: 18482, Start Num: 95
Candidate Starts for Polymorphads_25:
(Start: 95 @15882 has 129 MA's), (Start: 153 @16023 has 23 MA's), (Start: 163 @16041 has 10 MA's), (238, 16248), (248, 16287), (255, 16317), (290, 16434), (298, 16461), (313, 16524), (326, 16587), (337, 16632), (344, 16674), (362, 16758), (423, 16965), (460, 17025), (490, 17076), (519, 17121), (554, 17199), (569, 17232), (571, 17238), (639, 17406), (649, 17427), (659, 17451), (679, 17511), (680, 17517), (681, 17520), (697, 17571), (713, 17619), (731, 17685), (767, 17850), (774, 17868), (822, 17994), (880, 18246), (881, 18249), (883, 18258), (895, 18318), (916, 18414), (921, 18462),

Gene: Polyphemus_29 Start: 16727, Stop: 18931, Start Num: 93
Candidate Starts for Polyphemus_29:
(41, 16568), (77, 16682), (Start: 93 @16727 has 49 MA's), (Start: 145 @16838 has 7 MA's), (182, 16952), (196, 16994), (261, 17117), (273, 17153), (282, 17180), (313, 17303), (319, 17336), (339, 17426), (352, 17495), (425, 17738), (531, 17876), (623, 17996), (721, 18149), (749, 18212), (758, 18254), (789, 18353), (797, 18374), (804, 18395), (813, 18416), (830, 18467), (834, 18479), (840, 18494), (857, 18575), (873, 18653),

Gene: Pomar16_29 Start: 16549, Stop: 19062, Start Num: 130
Candidate Starts for Pomar16_29:
(Start: 130 @16549 has 101 MA's), (198, 16729), (199, 16732), (278, 16978), (293, 17038), (298, 17053), (305, 17083), (306, 17086), (323, 17170), (330, 17194), (336, 17218), (340, 17245), (341, 17248), (361, 17353), (381, 17434), (385, 17461), (388, 17476), (401, 17530), (407, 17551), (422, 17617), (426, 17635), (427, 17644), (462, 17743), (474, 17776), (478, 17785), (504, 17842), (511, 17857), (542, 17962), (555, 17986), (590, 18073), (604, 18085), (605, 18091), (614, 18124), (644, 18181), (677, 18244), (722, 18373), (726, 18388), (734, 18418), (739, 18430), (746, 18466), (775, 18580), (795, 18592), (817, 18634), (882, 18841), (885, 18859), (886, 18862), (924, 19048),

Gene: Poompha_24 Start: 13787, Stop: 16519, Start Num: 95
Candidate Starts for Poompha_24:
(Start: 95 @13787 has 129 MA's), (Start: 163 @13964 has 10 MA's), (188, 14039), (192, 14051), (251, 14213), (259, 14234), (263, 14246), (272, 14276), (280, 14309), (291, 14354), (297, 14372), (300, 14387), (301, 14396), (308, 14417), (327, 14522), (335, 14564), (370, 14729), (411, 14891), (416, 14918), (510, 15095), (523, 15140), (552, 15215), (570, 15263), (571, 15266), (581, 15287), (582, 15290), (602, 15335), (630, 15410), (631, 15413), (637, 15434), (646, 15458), (672, 15524), (680, 15554), (685, 15566), (701, 15620), (711, 15653), (718, 15668), (731, 15722), (749, 15797), (763, 15875), (767, 15887), (774, 15905), (785, 15944), (790, 15956), (794, 15968), (812, 16010), (815, 16022), (822, 16034), (827, 16049), (836, 16070), (838, 16082), (883, 16295), (895, 16355), (902, 16400), (916, 16451), (921, 16499),

Gene: Popcicle_26 Start: 16040, Stop: 19078, Start Num: 47
Candidate Starts for Popcicle_26:
(Start: 47 @16040 has 37 MA's), (87, 16214), (90, 16226), (Start: 99 @16259 has 4 MA's), (171, 16466), (177, 16487), (212, 16586), (214, 16589), (256, 16799), (266, 16820), (278, 16853), (294, 16916), (298, 16928), (306, 16961), (310, 16979), (314, 17000), (324, 17048), (326, 17054), (330, 17069), (333, 17078), (335, 17090), (337, 17099), (354, 17192), (381, 17309), (382, 17312), (386, 17339), (388, 17351), (401, 17405), (407, 17426), (422, 17492), (432, 17531), (483, 17672), (504, 17717), (530, 17807), (534, 17816), (547, 17846), (568, 17903), (573, 17918), (589, 17945), (590, 17948), (605, 17966), (655, 18077), (691, 18158), (711, 18215), (724, 18257), (749, 18353), (753, 18374), (757, 18398), (767, 18443), (774, 18461), (789, 18509), (793, 18521), (814, 18563), (818, 18575), (833, 18623), (874, 18794), (883, 18854), (885, 18866), (892, 18893), (895, 18914), (916, 19010), (921, 19058),

Gene: PotatoSplit_28 Start: 15979, Stop: 19005, Start Num: 48
Candidate Starts for PotatoSplit_28:
(40, 15925), (Start: 48 @15979 has 89 MA's), (71, 16093), (88, 16159), (90, 16162), (92, 16171), (104, 16207), (122, 16258), (148, 16330), (171, 16402), (212, 16522), (214, 16525), (225, 16594), (231, 16639), (256, 16732), (262, 16741), (268, 16759), (278, 16786), (294, 16849), (298, 16861), (306, 16894), (310, 16912), (323, 16978), (324, 16981), (326, 16987), (330, 17002), (333, 17011), (335, 17023), (337, 17032), (350, 17110), (354, 17125), (381, 17242), (382, 17245), (386, 17272), (388, 17284), (401, 17338), (407, 17359), (422, 17425), (432, 17464), (468, 17557), (483, 17605), (504, 17650), (520, 17698), (530, 17740), (534, 17749), (547, 17779), (549, 17782), (555, 17794), (573, 17851), (575, 17857), (589, 17878), (590, 17881), (666, 18019), (671, 18031), (691, 18091), (711, 18148), (749, 18286), (753, 18307), (757, 18331), (767, 18376), (774, 18394), (789, 18442), (793, 18454), (814, 18496), (835, 18559), (852, 18616), (865, 18685), (874, 18721), (887, 18802), (916, 18937),

Gene: Power_26 Start: 16547, Stop: 19084, Start Num: 130
Candidate Starts for Power_26:
(Start: 130 @16547 has 101 MA's), (197, 16724), (198, 16727), (199, 16730), (211, 16760), (249, 16898), (253, 16919), (256, 16928), (266, 16949), (278, 16982), (293, 17042), (298, 17057), (310, 17108), (320, 17156), (323, 17174), (333, 17207), (335, 17219), (336, 17222), (337, 17228), (340, 17249), (341, 17252), (358, 17339), (381, 17438), (388, 17480), (391, 17489), (394, 17498), (404, 17546), (407, 17555), (422, 17621), (432, 17660), (504, 17846), (511, 17861), (520, 17894), (534, 17945), (542, 17966), (550, 17981), (555, 17990), (560, 18005), (589, 18074), (671, 18227), (722, 18377), (734, 18422), (739, 18434), (746, 18470), (821, 18650), (826, 18659), (866, 18770), (873, 18800), (886, 18884),

Gene: PowerRanger_24 Start: 17021, Stop: 19855, Start Num: 135
Candidate Starts for PowerRanger_24:
(Start: 135 @17021 has 221 MA's), (159, 17093), (257, 17336), (262, 17351), (276, 17396), (303, 17516), (307, 17534), (315, 17582), (323, 17627), (335, 17672), (336, 17675), (344, 17723), (385, 17906), (392, 17933), (412, 18017), (425, 18074), (431, 18092), (443, 18137), (455, 18173), (465, 18233), (479, 18281), (503, 18344), (505, 18347), (531, 18440), (538, 18464), (556, 18500), (566, 18527), (569, 18539), (575, 18557), (583, 18572), (604, 18635), (645, 18764), (664, 18809), (674, 18842), (678, 18854), (722, 18983), (745, 19079), (766, 19166), (767, 19169), (774, 19187), (841, 19391), (875, 19568), (895, 19679), (911, 19766), (918, 19805), (921, 19835),

Gene: Priamo_29 Start: 16751, Stop: 18982, Start Num: 93
Candidate Starts for Priamo_29:
(41, 16595), (77, 16706), (Start: 93 @16751 has 49 MA's), (Start: 145 @16862 has 7 MA's), (147, 16868), (196, 17018), (273, 17177), (282, 17204), (312, 17324), (313, 17327), (319, 17360), (339, 17450), (352, 17519), (415, 17720), (425, 17765), (595, 17969), (623, 18023), (706, 18146), (749, 18245), (751, 18254), (755, 18275), (766, 18320), (770, 18332), (840, 18539), (845, 18557), (864, 18659), (866, 18668), (873, 18698),

Gene: Prinashe11_22 Start: 15212, Stop: 18550, Start Num: 1
Candidate Starts for Prinashe11_22:
(Start: 1 @15212 has 40 MA's), (19, 15650), (Start: 95 @15962 has 129 MA's), (118, 16040), (131, 16070), (152, 16127), (179, 16211), (202, 16274), (204, 16280), (267, 16400), (293, 16490), (294, 16493), (313, 16568), (322, 16613), (326, 16631), (337, 16676), (340, 16697), (435, 17027), (458, 17075), (499, 17153), (548, 17279), (556, 17291), (565, 17315), (593, 17378), (672, 17570), (680, 17600), (690, 17624), (693, 17636), (716, 17699), (749, 17822), (753, 17843), (758, 17864), (781, 17942), (789, 17963), (804, 18005), (813, 18026), (842, 18113), (849, 18143), (863, 18206), (866, 18224), (880, 18305), (883, 18317), (885, 18329), (887, 18338), (898, 18392), (915, 18476), (919, 18515),

Gene: Priya_27 Start: 17621, Stop: 20530, Start Num: 66
Candidate Starts for Priya_27:
(Start: 66 @17621 has 43 MA's), (69, 17633), (85, 17693), (157, 17915), (178, 17978), (191, 18020), (212, 18074), (214, 18077), (222, 18116), (258, 18287), (262, 18293), (267, 18308), (293, 18398), (294, 18401), (298, 18413), (309, 18455), (319, 18509), (323, 18530), (337, 18584), (340, 18605), (341, 18608), (344, 18626), (356, 18689), (375, 18755), (381, 18794), (385, 18821), (388, 18836), (396, 18866), (401, 18890), (404, 18902), (407, 18911), (422, 18977), (432, 19016), (456, 19082), (468, 19109), (474, 19136), (518, 19247), (542, 19322), (555, 19346), (563, 19367), (568, 19388), (575, 19409), (577, 19412), (589, 19430), (590, 19433), (609, 19460), (637, 19520), (650, 19550), (671, 19583), (680, 19613), (685, 19625), (722, 19733), (726, 19748), (734, 19778), (747, 19829), (766, 19916), (768, 19925), (785, 19976), (814, 20039), (822, 20060), (833, 20096), (846, 20132), (847, 20138), (865, 20216), (872, 20243), (895, 20372), (899, 20402), (905, 20429), (917, 20468), (922, 20510),

Gene: ProMouse_25 Start: 16852, Stop: 19323, Start Num: 135
Candidate Starts for ProMouse_25:
(Start: 135 @16852 has 221 MA's), (Start: 150 @16891 has 5 MA's), (171, 16954), (182, 16984), (188, 17005), (196, 17026), (233, 17056), (237, 17068), (240, 17080), (260, 17146), (313, 17344), (319, 17377), (335, 17443), (396, 17698), (407, 17719), (414, 17746), (492, 17905), (519, 17941), (566, 18034), (572, 18055), (579, 18070), (588, 18091), (591, 18094), (611, 18163), (625, 18199), (637, 18232), (652, 18268), (667, 18298), (681, 18334), (705, 18400), (713, 18421), (725, 18463), (749, 18562), (786, 18703), (797, 18724), (841, 18859), (875, 19036), (895, 19147), (911, 19234), (918, 19273), (920, 19288),

Gene: Prudy_29 Start: 18436, Stop: 20943, Start Num: 130
Candidate Starts for Prudy_29:
(107, 18385), (Start: 130 @18436 has 101 MA's), (173, 18547), (177, 18565), (193, 18604), (211, 18649), (253, 18778), (262, 18796), (264, 18802), (274, 18832), (298, 18916), (310, 18967), (324, 19036), (326, 19042), (330, 19057), (333, 19066), (335, 19078), (337, 19087), (381, 19297), (385, 19324), (388, 19339), (401, 19393), (407, 19414), (422, 19480), (432, 19519), (438, 19543), (454, 19582), (504, 19705), (511, 19720), (516, 19747), (520, 19753), (534, 19804), (547, 19834), (550, 19840), (563, 19870), (568, 19891), (589, 19933), (604, 19948), (611, 19975), (639, 20032), (644, 20044), (666, 20074), (671, 20086), (691, 20146), (701, 20173), (711, 20203), (722, 20236), (734, 20281), (739, 20293), (817, 20500), (821, 20509), (826, 20518), (866, 20629), (873, 20659), (886, 20743), (917, 20884), (924, 20929),

Gene: Pukovnik_28 Start: 18254, Stop: 20650, Start Num: 145
Candidate Starts for Pukovnik_28:
(Start: 145 @18254 has 7 MA's), (Start: 150 @18272 has 5 MA's), (160, 18305), (165, 18311), (201, 18407), (217, 18449), (272, 18605), (275, 18617), (276, 18620), (283, 18650), (284, 18659), (295, 18695), (298, 18704), (313, 18767), (319, 18800), (330, 18845), (335, 18866), (337, 18875), (356, 18980), (397, 19121), (471, 19289), (480, 19301), (521, 19367), (523, 19373), (548, 19424), (596, 19535), (601, 19553), (661, 19709), (685, 19763), (702, 19799), (720, 19850), (737, 19910), (743, 19943), (744, 19955), (753, 19988), (754, 19991), (798, 20129), (803, 20141), (820, 20183), (836, 20219), (838, 20231), (840, 20237), (885, 20447),

Gene: Pumbaa_25 Start: 15860, Stop: 18460, Start Num: 95
Candidate Starts for Pumbaa_25:
(Start: 95 @15860 has 129 MA's), (Start: 153 @16001 has 23 MA's), (Start: 163 @16019 has 10 MA's), (238, 16226), (248, 16265), (255, 16295), (290, 16412), (298, 16439), (313, 16502), (326, 16565), (337, 16610), (344, 16652), (362, 16736), (460, 17003), (490, 17054), (519, 17099), (554, 17177), (571, 17216), (619, 17330), (639, 17384), (659, 17429), (679, 17489), (685, 17507), (697,

17549), (713, 17597), (731, 17663), (767, 17828), (774, 17846), (822, 17972), (880, 18224), (881, 18227), (883, 18236), (895, 18296), (916, 18392), (921, 18440),

Gene: Puppet_24 Start: 16402, Stop: 18882, Start Num: 135
Candidate Starts for Puppet_24:
(Start: 135 @16402 has 221 MA's), (Start: 150 @16441 has 5 MA's), (171, 16504), (182, 16534), (196, 16576), (284, 16783), (290, 16801), (313, 16891), (326, 16954), (333, 16978), (335, 16990), (344, 17041), (483, 17425), (538, 17527), (558, 17566), (579, 17617), (625, 17746), (667, 17845), (705, 17947), (713, 17968), (718, 17980), (725, 18010), (749, 18109), (762, 18172), (834, 18391), (843, 18424), (895, 18706), (907, 18772), (911, 18793), (918, 18832), (920, 18847),

Gene: Puppy_26 Start: 15114, Stop: 18149, Start Num: 47
Candidate Starts for Puppy_26:
(Start: 47 @15114 has 37 MA's), (87, 15288), (90, 15300), (Start: 99 @15333 has 4 MA's), (171, 15543), (212, 15663), (214, 15666), (256, 15870), (266, 15891), (277, 15921), (278, 15924), (294, 15987), (298, 15999), (306, 16032), (310, 16050), (324, 16119), (326, 16125), (330, 16140), (333, 16149), (335, 16161), (337, 16170), (354, 16263), (381, 16380), (382, 16383), (385, 16407), (386, 16410), (388, 16422), (401, 16476), (407, 16497), (412, 16518), (422, 16563), (427, 16590), (432, 16602), (483, 16743), (504, 16788), (511, 16803), (530, 16878), (534, 16887), (547, 16917), (555, 16932), (557, 16935), (563, 16953), (568, 16974), (569, 16977), (589, 17016), (590, 17019), (633, 17103), (671, 17169), (677, 17190), (691, 17229), (707, 17268), (713, 17289), (722, 17319), (723, 17322), (725, 17331), (730, 17355), (749, 17424), (753, 17445), (767, 17514), (774, 17532), (789, 17580), (793, 17592), (814, 17634), (818, 17646), (833, 17694), (874, 17865), (877, 17895), (883, 17925), (887, 17946), (916, 18081), (921, 18129),

Gene: PurpleHaze_27 Start: 16056, Stop: 19082, Start Num: 48
Candidate Starts for PurpleHaze_27:
(40, 16002), (Start: 48 @16056 has 89 MA's), (71, 16170), (88, 16236), (90, 16239), (92, 16248), (104, 16284), (122, 16335), (148, 16407), (171, 16479), (212, 16599), (214, 16602), (225, 16671), (231, 16716), (256, 16809), (262, 16818), (278, 16863), (287, 16902), (294, 16926), (298, 16938), (306, 16971), (310, 16989), (314, 17010), (324, 17058), (326, 17064), (330, 17079), (333, 17088), (335, 17100), (337, 17109), (354, 17202), (377, 17289), (381, 17319), (382, 17322), (386, 17349), (388, 17361), (401, 17415), (407, 17436), (415, 17466), (422, 17502), (462, 17628), (483, 17682), (504, 17727), (520, 17775), (530, 17817), (534, 17826), (547, 17856), (573, 17928), (575, 17934), (589, 17955), (590, 17958), (604, 17970), (655, 18087), (666, 18096), (691, 18168), (692, 18171), (707, 18207), (722, 18258), (723, 18261), (725, 18270), (767, 18453), (789, 18519), (793, 18531), (814, 18573), (835, 18636), (852, 18693), (865, 18762), (874, 18798), (887, 18879), (916, 19014), (917, 19026),

Gene: QTRlifeCrisis_24 Start: 16800, Stop: 19460, Start Num: 135
Candidate Starts for QTRlifeCrisis_24:
(Start: 135 @16800 has 221 MA's), (Start: 150 @16839 has 5 MA's), (171, 16902), (Start: 174 @16908 has 1 MA's), (182, 16932), (196, 16974), (313, 17283), (326, 17346), (337, 17391), (342, 17415), (357, 17490), (360, 17502), (410, 17676), (455, 17823), (566, 18153), (587, 18204), (597, 18231), (669, 18435), (710, 18549), (713, 18558), (720, 18579), (725, 18600), (749, 18699), (758, 18741), (759, 18744), (802, 18873), (830, 18957), (844, 19002), (895, 19284), (911, 19371), (918, 19410), (920, 19425),

Gene: Qobbit_27 Start: 17620, Stop: 20529, Start Num: 66
Candidate Starts for Qobbit_27:
(Start: 66 @17620 has 43 MA's), (69, 17632), (85, 17692), (Start: 138 @17851 has 1 MA's), (157, 17914), (178, 17977), (191, 18019), (214, 18076), (222, 18115), (258, 18286), (262, 18292), (267, 18307), (293, 18397), (294, 18400), (298, 18412), (309, 18454), (319, 18508), (337, 18583), (340,

18604), (341, 18607), (344, 18625), (356, 18688), (375, 18754), (381, 18793), (385, 18820), (388, 18835), (396, 18865), (401, 18889), (404, 18901), (407, 18910), (422, 18976), (432, 19015), (456, 19081), (468, 19108), (474, 19135), (518, 19246), (542, 19321), (563, 19366), (568, 19387), (575, 19408), (577, 19411), (589, 19429), (590, 19432), (609, 19459), (615, 19486), (644, 19540), (722, 19732), (726, 19747), (734, 19777), (747, 19828), (766, 19915), (768, 19924), (785, 19975), (814, 20038), (822, 20059), (833, 20095), (846, 20131), (847, 20137), (865, 20215), (872, 20242), (881, 20302), (895, 20371), (899, 20401), (905, 20428), (917, 20467), (922, 20509),

Gene: QueenB2_26 Start: 16665, Stop: 19202, Start Num: 130
Candidate Starts for QueenB2_26:
(Start: 130 @16665 has 101 MA's), (197, 16842), (198, 16845), (199, 16848), (247, 17010), (249, 17016), (253, 17037), (256, 17046), (266, 17067), (278, 17100), (285, 17133), (310, 17226), (320, 17274), (323, 17292), (333, 17325), (335, 17337), (336, 17340), (337, 17346), (340, 17367), (341, 17370), (381, 17556), (388, 17598), (391, 17607), (404, 17664), (407, 17673), (422, 17739), (432, 17778), (468, 17871), (471, 17889), (504, 17964), (534, 18063), (540, 18078), (542, 18084), (547, 18093), (555, 18108), (563, 18129), (568, 18150), (577, 18174), (590, 18195), (601, 18201), (611, 18234), (614, 18246), (618, 18255), (671, 18345), (691, 18405), (701, 18432), (722, 18495), (734, 18540), (766, 18678), (821, 18768), (826, 18777), (866, 18888), (873, 18918), (886, 19002),

Gene: QueenBeesly_26 Start: 16547, Stop: 19084, Start Num: 130
Candidate Starts for QueenBeesly_26:
(Start: 130 @16547 has 101 MA's), (197, 16724), (198, 16727), (199, 16730), (211, 16760), (249, 16898), (253, 16919), (256, 16928), (266, 16949), (278, 16982), (293, 17042), (298, 17057), (310, 17108), (320, 17156), (323, 17174), (333, 17207), (335, 17219), (336, 17222), (337, 17228), (340, 17249), (341, 17252), (358, 17339), (381, 17438), (388, 17480), (391, 17489), (394, 17498), (404, 17546), (407, 17555), (422, 17621), (432, 17660), (504, 17846), (511, 17861), (520, 17894), (534, 17945), (542, 17966), (550, 17981), (555, 17990), (560, 18005), (589, 18074), (671, 18227), (677, 18248), (722, 18377), (734, 18422), (739, 18434), (746, 18470), (821, 18650), (826, 18659), (866, 18770), (873, 18800), (886, 18884),

Gene: QuinnKiro_25 Start: 16043, Stop: 19081, Start Num: 47
Candidate Starts for QuinnKiro_25:
(Start: 47 @16043 has 37 MA's), (87, 16217), (90, 16229), (Start: 99 @16262 has 4 MA's), (171, 16469), (177, 16490), (212, 16589), (214, 16592), (256, 16802), (262, 16811), (266, 16823), (278, 16856), (294, 16919), (298, 16931), (306, 16964), (310, 16982), (314, 17003), (324, 17051), (326, 17057), (330, 17072), (333, 17081), (335, 17093), (337, 17102), (354, 17195), (381, 17312), (382, 17315), (386, 17342), (388, 17354), (401, 17408), (407, 17429), (422, 17495), (432, 17534), (483, 17675), (504, 17720), (530, 17810), (534, 17819), (547, 17849), (568, 17906), (573, 17921), (589, 17948), (590, 17951), (605, 17969), (655, 18080), (691, 18161), (711, 18218), (724, 18260), (749, 18356), (753, 18377), (757, 18401), (767, 18446), (774, 18464), (789, 18512), (793, 18524), (814, 18566), (818, 18578), (833, 18626), (874, 18797), (883, 18857), (885, 18869), (892, 18896), (895, 18917), (916, 19013), (921, 19061),

Gene: Quokka_24 Start: 15528, Stop: 18041, Start Num: 130
Candidate Starts for Quokka_24:
(Start: 130 @15528 has 101 MA's), (173, 15639), (197, 15705), (198, 15708), (199, 15711), (253, 15897), (256, 15906), (262, 15915), (298, 16035), (310, 16086), (321, 16143), (324, 16155), (326, 16161), (330, 16176), (335, 16197), (337, 16206), (345, 16254), (381, 16416), (386, 16446), (388, 16458), (398, 16497), (401, 16512), (407, 16533), (420, 16590), (422, 16599), (427, 16626), (462, 16725), (504, 16824), (511, 16839), (534, 16923), (542, 16944), (563, 16989), (589, 17052), (590, 17055), (614, 17106), (620, 17121), (691, 17265), (701, 17292), (722, 17355), (726, 17370), (734, 17400), (757, 17496), (775, 17562), (821, 17625), (881, 17820), (882, 17823), (886, 17844),

Gene: Rachaly_29 Start: 18265, Stop: 20793, Start Num: 130
Candidate Starts for Rachaly_29:
(Start: 130 @18265 has 101 MA's), (173, 18376), (175, 18388), (198, 18445), (199, 18448), (253, 18637), (256, 18646), (278, 18700), (309, 18817), (310, 18826), (314, 18847), (319, 18871), (335, 18937), (337, 18946), (340, 18967), (341, 18970), (381, 19156), (388, 19198), (407, 19273), (415, 19303), (422, 19339), (432, 19378), (504, 19564), (534, 19663), (542, 19684), (544, 19687), (555, 19708), (563, 19729), (572, 19762), (573, 19765), (589, 19792), (611, 19834), (620, 19861), (666, 19933), (671, 19945), (698, 20029), (699, 20032), (722, 20095), (734, 20140), (739, 20152), (757, 20236), (773, 20290), (826, 20374), (846, 20398), (873, 20515), (886, 20593),

Gene: Rahalelujah_25 Start: 15668, Stop: 18586, Start Num: 66
Candidate Starts for Rahalelujah_25:
(Start: 66 @15668 has 43 MA's), (69, 15680), (112, 15839), (129, 15881), (Start: 138 @15902 has 1 MA's), (178, 16028), (191, 16070), (212, 16124), (214, 16127), (236, 16253), (253, 16328), (256, 16337), (258, 16340), (264, 16352), (308, 16505), (310, 16517), (313, 16529), (314, 16538), (319, 16562), (323, 16583), (324, 16586), (330, 16607), (335, 16628), (337, 16637), (338, 16649), (347, 16697), (356, 16742), (381, 16847), (395, 16910), (400, 16940), (401, 16943), (407, 16964), (410, 16973), (412, 16985), (417, 17009), (422, 17030), (432, 17069), (504, 17255), (509, 17267), (518, 17300), (542, 17375), (547, 17384), (563, 17420), (568, 17441), (575, 17462), (577, 17465), (586, 17474), (589, 17483), (590, 17486), (609, 17513), (615, 17540), (649, 17600), (685, 17678), (722, 17786), (734, 17831), (747, 17882), (764, 17963), (766, 17969), (768, 17978), (785, 18029), (814, 18092), (822, 18113), (833, 18152), (847, 18194), (865, 18272), (872, 18299), (881, 18359), (886, 18383), (899, 18458), (917, 18524), (922, 18566),

Gene: Raid_24 Start: 16078, Stop: 18909, Start Num: 137
Candidate Starts for Raid_24:
(Start: 137 @16078 has 9 MA's), (Start: 144 @16093 has 1 MA's), (257, 16390), (262, 16405), (276, 16450), (303, 16570), (307, 16588), (315, 16636), (323, 16681), (335, 16726), (336, 16729), (344, 16777), (385, 16960), (392, 16987), (412, 17071), (425, 17128), (431, 17146), (443, 17191), (455, 17227), (464, 17269), (465, 17287), (479, 17335), (503, 17398), (505, 17401), (538, 17518), (556, 17554), (566, 17581), (569, 17593), (575, 17611), (583, 17626), (604, 17689), (645, 17818), (664, 17863), (674, 17896), (678, 17908), (722, 18037), (745, 18133), (766, 18220), (767, 18223), (774, 18241), (797, 18310), (841, 18445), (875, 18622), (895, 18733), (911, 18820), (918, 18859), (920, 18874),

Gene: Rajelicia_24 Start: 16599, Stop: 18599, Start Num: 135
Candidate Starts for Rajelicia_24:
(Start: 135 @16599 has 221 MA's), (Start: 150 @16638 has 5 MA's), (171, 16701), (182, 16731), (188, 16752), (237, 16812), (264, 16908), (276, 16947), (284, 16977), (288, 16989), (313, 17085), (319, 17118), (375, 17352), (450, 17577), (519, 17640), (584, 17742), (588, 17754), (617, 17832), (636, 17874), (663, 17928), (667, 17940), (675, 17955), (680, 17973), (685, 17985), (718, 18063), (725, 18093), (736, 18138), (749, 18189), (811, 18399), (856, 18549),

Gene: Ravana_28 Start: 15884, Stop: 18073, Start Num: 156
Candidate Starts for Ravana_28:
(Start: 95 @15707 has 129 MA's), (Start: 99 @15716 has 4 MA's), (Start: 156 @15884 has 18 MA's), (267, 16127), (269, 16133), (289, 16202), (304, 16259), (337, 16403), (344, 16445), (353, 16493), (354, 16496), (384, 16607), (387, 16625), (425, 16730), (445, 16778), (515, 16883), (541, 16943), (569, 16997), (592, 17033), (599, 17057), (602, 17066), (624, 17129), (636, 17150), (640, 17165), (654, 17189), (659, 17201), (689, 17255), (695, 17276), (709, 17306), (771, 17477), (777, 17498), (813, 17582), (887, 17885), (916, 18008), (917, 18020),

Gene: ReMo_28 Start: 15923, Stop: 18109, Start Num: 156

Candidate Starts for ReMo_28:
(Start: 95 @15746 has 129 MA's), (Start: 99 @15755 has 4 MA's), (Start: 156 @15923 has 18 MA's), (267, 16163), (269, 16169), (289, 16238), (304, 16295), (337, 16439), (344, 16481), (353, 16529), (354, 16532), (384, 16643), (387, 16661), (425, 16766), (445, 16814), (515, 16919), (541, 16979), (569, 17033), (592, 17069), (599, 17093), (602, 17102), (624, 17165), (636, 17186), (640, 17201), (654, 17225), (659, 17237), (689, 17291), (695, 17312), (709, 17342), (771, 17513), (777, 17534), (813, 17618), (887, 17921), (916, 18044), (917, 18056),

Gene: Reba_28 Start: 15722, Stop: 18748, Start Num: 48
Candidate Starts for Reba_28:
(40, 15668), (Start: 48 @15722 has 89 MA's), (71, 15836), (88, 15902), (90, 15905), (92, 15914), (104, 15950), (122, 16001), (148, 16073), (171, 16145), (212, 16265), (214, 16268), (225, 16337), (231, 16382), (256, 16475), (262, 16484), (278, 16529), (287, 16568), (294, 16592), (298, 16604), (306, 16637), (310, 16655), (314, 16676), (324, 16724), (326, 16730), (330, 16745), (333, 16754), (335, 16766), (337, 16775), (354, 16868), (377, 16955), (381, 16985), (382, 16988), (386, 17015), (388, 17027), (401, 17081), (407, 17102), (415, 17132), (422, 17168), (462, 17294), (483, 17348), (504, 17393), (520, 17441), (530, 17483), (534, 17492), (547, 17522), (573, 17594), (575, 17600), (589, 17621), (590, 17624), (604, 17636), (655, 17753), (666, 17762), (691, 17834), (692, 17837), (707, 17873), (722, 17924), (723, 17927), (725, 17936), (767, 18119), (789, 18185), (793, 18197), (814, 18239), (835, 18302), (852, 18359), (865, 18428), (874, 18464), (887, 18545), (916, 18680), (917, 18692),

Gene: Rebeuca_26 Start: 15880, Stop: 18621, Start Num: 95
Candidate Starts for Rebeuca_26:
(Start: 95 @15880 has 129 MA's), (Start: 163 @16057 has 10 MA's), (173, 16078), (189, 16135), (207, 16183), (215, 16204), (217, 16210), (228, 16234), (232, 16249), (240, 16279), (263, 16354), (266, 16363), (279, 16414), (280, 16417), (297, 16480), (300, 16495), (305, 16516), (308, 16525), (327, 16630), (335, 16672), (416, 17026), (510, 17194), (552, 17314), (569, 17359), (570, 17362), (571, 17365), (581, 17386), (582, 17389), (602, 17434), (639, 17542), (649, 17563), (654, 17575), (672, 17623), (681, 17656), (701, 17719), (725, 17797), (731, 17821), (749, 17896), (761, 17962), (767, 17986), (774, 18004), (794, 18070), (807, 18100), (815, 18124), (822, 18136), (827, 18151), (836, 18172), (838, 18184), (883, 18397), (891, 18433), (894, 18454), (895, 18457), (916, 18553), (921, 18601),

Gene: RedRock_29 Start: 18558, Stop: 21056, Start Num: 130
Candidate Starts for RedRock_29:
(Start: 130 @18558 has 101 MA's), (177, 18687), (193, 18726), (211, 18771), (249, 18873), (253, 18894), (262, 18912), (298, 19032), (310, 19083), (324, 19152), (326, 19158), (330, 19173), (333, 19182), (335, 19194), (337, 19203), (381, 19413), (385, 19440), (388, 19455), (401, 19509), (407, 19530), (422, 19596), (432, 19635), (454, 19698), (504, 19821), (511, 19836), (540, 19935), (547, 19950), (550, 19956), (555, 19965), (563, 19986), (568, 20007), (573, 20022), (577, 20031), (590, 20052), (601, 20058), (611, 20091), (620, 20118), (639, 20148), (644, 20160), (666, 20190), (671, 20202), (701, 20289), (713, 20322), (722, 20352), (728, 20385), (734, 20397), (817, 20616), (821, 20625), (826, 20634), (866, 20745), (873, 20775), (886, 20856), (917, 20997),

Gene: Refuge_29 Start: 18955, Stop: 22065, Start Num: 33
Candidate Starts for Refuge_29:
(13, 18709), (26, 18925), (Start: 33 @18955 has 5 MA's), (Start: 66 @19132 has 43 MA's), (69, 19144), (76, 19180), (157, 19411), (178, 19474), (191, 19516), (212, 19570), (214, 19573), (236, 19699), (253, 19774), (256, 19783), (258, 19786), (264, 19798), (278, 19837), (310, 19963), (319, 20008), (320, 20011), (323, 20029), (324, 20032), (330, 20053), (333, 20062), (337, 20083), (338, 20095), (347, 20143), (351, 20164), (353, 20173), (356, 20188), (393, 20350), (402, 20392), (407, 20410), (410, 20419), (412, 20431), (422, 20476), (429, 20509), (432, 20515), (454, 20578), (504, 20701), (539,

20812), (542, 20821), (544, 20824), (563, 20866), (567, 20881), (577, 20911), (589, 20929), (601, 20938), (604, 20944), (618, 20992), (620, 20998), (666, 21070), (691, 21142), (692, 21145), (713, 21202), (722, 21232), (725, 21244), (730, 21268), (734, 21277), (761, 21409), (767, 21433), (776, 21469), (780, 21478), (803, 21520), (814, 21553), (839, 21634), (841, 21643), (874, 21790), (880, 21838), (881, 21841), (886, 21865), (916, 21994), (917, 22006),

Gene: Relief_25 Start: 15883, Stop: 18483, Start Num: 95
Candidate Starts for Relief_25:
(Start: 95 @15883 has 129 MA's), (Start: 153 @16024 has 23 MA's), (Start: 163 @16042 has 10 MA's), (238, 16249), (248, 16288), (255, 16318), (290, 16435), (298, 16462), (313, 16525), (326, 16588), (337, 16633), (344, 16675), (362, 16759), (460, 17026), (490, 17077), (519, 17122), (554, 17200), (571, 17239), (639, 17407), (649, 17428), (659, 17452), (680, 17518), (697, 17572), (713, 17620), (731, 17686), (767, 17851), (774, 17869), (822, 17995), (880, 18247), (881, 18250), (883, 18259), (895, 18319), (916, 18415), (921, 18463),

Gene: Remus_28 Start: 15884, Stop: 18073, Start Num: 156
Candidate Starts for Remus_28:
(Start: 95 @15707 has 129 MA's), (Start: 99 @15716 has 4 MA's), (Start: 156 @15884 has 18 MA's), (267, 16127), (269, 16133), (289, 16202), (304, 16259), (337, 16403), (344, 16445), (353, 16493), (354, 16496), (384, 16607), (387, 16625), (425, 16730), (445, 16778), (515, 16883), (541, 16943), (569, 16997), (592, 17033), (599, 17057), (602, 17066), (624, 17129), (636, 17150), (640, 17165), (654, 17189), (659, 17201), (689, 17255), (695, 17276), (709, 17306), (771, 17477), (777, 17498), (813, 17582), (887, 17885), (916, 18008), (917, 18020),

Gene: ResDef_26 Start: 16043, Stop: 19081, Start Num: 47
Candidate Starts for ResDef_26:
(Start: 47 @16043 has 37 MA's), (87, 16217), (90, 16229), (Start: 99 @16262 has 4 MA's), (171, 16469), (177, 16490), (212, 16589), (214, 16592), (256, 16802), (266, 16823), (278, 16856), (294, 16919), (298, 16931), (306, 16964), (310, 16982), (314, 17003), (324, 17051), (326, 17057), (330, 17072), (333, 17081), (335, 17093), (337, 17102), (354, 17195), (381, 17312), (382, 17315), (386, 17342), (388, 17354), (401, 17408), (407, 17429), (422, 17495), (432, 17534), (483, 17675), (504, 17720), (530, 17810), (534, 17819), (547, 17849), (568, 17906), (573, 17921), (589, 17948), (590, 17951), (605, 17969), (655, 18080), (691, 18161), (711, 18218), (724, 18260), (749, 18356), (753, 18377), (757, 18401), (767, 18446), (774, 18464), (789, 18512), (793, 18524), (814, 18566), (818, 18578), (833, 18626), (874, 18797), (883, 18857), (885, 18869), (892, 18896), (895, 18917), (916, 19013), (921, 19061),

Gene: Retro23_26 Start: 16689, Stop: 19232, Start Num: 130
Candidate Starts for Retro23_26:
(Start: 130 @16689 has 101 MA's), (197, 16866), (198, 16869), (199, 16872), (247, 17040), (249, 17046), (253, 17067), (256, 17076), (266, 17097), (278, 17130), (285, 17163), (310, 17256), (320, 17304), (323, 17322), (330, 17346), (333, 17355), (335, 17367), (336, 17370), (337, 17376), (340, 17397), (341, 17400), (358, 17487), (381, 17586), (388, 17628), (394, 17646), (398, 17667), (404, 17694), (407, 17703), (422, 17769), (432, 17808), (504, 17994), (511, 18009), (520, 18042), (534, 18093), (542, 18114), (550, 18129), (555, 18138), (560, 18153), (589, 18222), (671, 18375), (677, 18396), (722, 18525), (726, 18540), (734, 18570), (739, 18582), (746, 18618), (821, 18798), (826, 18807), (866, 18918), (873, 18948), (886, 19032),

Gene: RhynO_26 Start: 16026, Stop: 18581, Start Num: 163
Candidate Starts for RhynO_26:
(Start: 95 @15849 has 129 MA's), (Start: 163 @16026 has 10 MA's), (173, 16047), (189, 16104), (230, 16200), (232, 16209), (263, 16314), (271, 16341), (280, 16377), (300, 16455), (301, 16464), (308, 16485), (313, 16512), (327, 16590), (335, 16632), (370, 16797), (409, 16947), (411, 16959), (510,

17154), (552, 17274), (569, 17319), (570, 17322), (571, 17325), (581, 17346), (582, 17349), (602, 17394), (613, 17430), (619, 17448), (630, 17469), (639, 17502), (681, 17616), (701, 17679), (725, 17757), (731, 17781), (749, 17856), (761, 17922), (767, 17946), (774, 17964), (807, 18060), (815, 18084), (822, 18096), (827, 18111), (836, 18132), (838, 18144), (883, 18357), (891, 18393), (894, 18414), (895, 18417), (916, 18513), (921, 18561),

Gene: Rhynn_24 Start: 16407, Stop: 18887, Start Num: 135
Candidate Starts for Rhynn_24:
(Start: 135 @16407 has 221 MA's), (Start: 150 @16446 has 5 MA's), (171, 16509), (182, 16539), (196, 16581), (284, 16788), (290, 16806), (313, 16896), (326, 16959), (333, 16983), (335, 16995), (344, 17046), (483, 17430), (538, 17532), (558, 17571), (569, 17598), (579, 17622), (667, 17850), (705, 17952), (711, 17970), (713, 17973), (725, 18015), (749, 18114), (762, 18177), (834, 18396), (843, 18429), (895, 18711), (907, 18777), (911, 18798), (918, 18837), (920, 18852),

Gene: RidgeCB_24 Start: 16182, Stop: 18662, Start Num: 135
Candidate Starts for RidgeCB_24:
(Start: 135 @16182 has 221 MA's), (Start: 150 @16221 has 5 MA's), (171, 16284), (182, 16314), (196, 16356), (284, 16563), (290, 16581), (313, 16671), (326, 16734), (333, 16758), (335, 16770), (344, 16821), (483, 17205), (538, 17307), (558, 17346), (569, 17373), (579, 17397), (625, 17526), (667, 17625), (705, 17727), (713, 17748), (718, 17760), (725, 17790), (749, 17889), (762, 17952), (834, 18171), (843, 18204), (895, 18486), (902, 18528), (911, 18573), (918, 18612), (920, 18627),

Gene: Rifter_29 Start: 16706, Stop: 18922, Start Num: 93
Candidate Starts for Rifter_29:
(77, 16661), (Start: 93 @16706 has 49 MA's), (Start: 145 @16817 has 7 MA's), (147, 16823), (196, 16973), (269, 17120), (273, 17132), (312, 17279), (313, 17282), (319, 17315), (339, 17405), (352, 17474), (375, 17549), (425, 17717), (623, 17975), (656, 18020), (721, 18128), (749, 18191), (758, 18233), (789, 18332), (797, 18353), (813, 18395), (830, 18446), (840, 18473), (857, 18554), (873, 18644),

Gene: Ringer_24 Start: 16730, Stop: 19561, Start Num: 137
Candidate Starts for Ringer_24:
(Start: 137 @16730 has 9 MA's), (Start: 144 @16745 has 1 MA's), (257, 17042), (262, 17057), (276, 17102), (303, 17222), (307, 17240), (315, 17288), (323, 17333), (335, 17378), (336, 17381), (344, 17429), (385, 17612), (392, 17639), (412, 17723), (425, 17780), (431, 17798), (443, 17843), (455, 17879), (465, 17939), (479, 17987), (503, 18050), (505, 18053), (538, 18170), (556, 18206), (566, 18233), (569, 18245), (575, 18263), (583, 18278), (604, 18341), (645, 18470), (664, 18515), (674, 18548), (678, 18560), (722, 18689), (745, 18785), (766, 18872), (767, 18875), (774, 18893), (841, 19097), (875, 19274), (895, 19385), (911, 19472), (918, 19511), (921, 19541),

Gene: Roary_22 Start: 14513, Stop: 17590, Start Num: 12
Candidate Starts for Roary_22:
(Start: 12 @14513 has 13 MA's), (16, 14597), (32, 14765), (36, 14789), (53, 14837), (82, 14957), (102, 15029), (158, 15179), (159, 15182), (162, 15188), (248, 15374), (267, 15434), (269, 15440), (288, 15506), (296, 15533), (299, 15548), (312, 15599), (313, 15602), (319, 15635), (326, 15668), (364, 15836), (418, 16019), (425, 16043), (445, 16091), (457, 16112), (458, 16115), (527, 16259), (548, 16316), (561, 16346), (574, 16385), (606, 16457), (614, 16487), (662, 16586), (674, 16616), (690, 16661), (749, 16859), (753, 16880), (756, 16892), (777, 16973), (789, 17000), (813, 17063), (822, 17087), (832, 17117), (842, 17150), (850, 17183), (863, 17243), (868, 17270), (886, 17369), (887, 17375), (904, 17465), (912, 17486), (918, 17525), (925, 17573),

Gene: RockieBear_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for RockieBear_25:

(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (282, 16404), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Rocksand_25 Start: 16022, Stop: 18481, Start Num: 153
Candidate Starts for Rocksand_25:
(Start: 95 @15881 has 129 MA's), (Start: 153 @16022 has 23 MA's), (Start: 163 @16040 has 10 MA's), (238, 16247), (248, 16286), (255, 16316), (290, 16433), (298, 16460), (313, 16523), (326, 16586), (337, 16631), (344, 16673), (362, 16757), (460, 17024), (490, 17075), (519, 17120), (554, 17198), (571, 17237), (581, 17258), (639, 17405), (649, 17426), (659, 17450), (679, 17510), (680, 17516), (681, 17519), (697, 17570), (713, 17618), (731, 17684), (767, 17849), (774, 17867), (822, 17993), (880, 18245), (881, 18248), (883, 18257), (895, 18317), (916, 18413), (921, 18461),

Gene: Rockstar_25 Start: 15416, Stop: 18460, Start Num: 47
Candidate Starts for Rockstar_25:
(Start: 47 @15416 has 37 MA's), (87, 15590), (90, 15602), (171, 15845), (212, 15965), (214, 15968), (259, 16190), (278, 16235), (298, 16310), (306, 16343), (310, 16361), (313, 16373), (328, 16439), (335, 16472), (337, 16481), (344, 16523), (354, 16574), (381, 16691), (388, 16733), (401, 16787), (407, 16808), (420, 16865), (422, 16874), (462, 17000), (468, 17006), (474, 17033), (504, 17099), (511, 17114), (518, 17144), (520, 17147), (534, 17198), (539, 17210), (549, 17231), (555, 17243), (563, 17264), (573, 17300), (589, 17327), (610, 17360), (612, 17372), (633, 17414), (671, 17480), (691, 17540), (707, 17579), (722, 17630), (723, 17633), (725, 17642), (730, 17666), (749, 17735), (753, 17756), (767, 17825), (774, 17843), (789, 17891), (793, 17903), (814, 17945), (818, 17957), (833, 18005), (874, 18176), (883, 18236), (887, 18257), (916, 18392), (917, 18404), (921, 18440),

Gene: Rohr_25 Start: 16604, Stop: 19084, Start Num: 135
Candidate Starts for Rohr_25:
(Start: 135 @16604 has 221 MA's), (Start: 150 @16643 has 5 MA's), (171, 16706), (182, 16736), (196, 16778), (284, 16985), (290, 17003), (313, 17093), (326, 17156), (333, 17180), (335, 17192), (344, 17243), (483, 17627), (538, 17729), (558, 17768), (566, 17783), (569, 17795), (579, 17819), (625, 17948), (667, 18047), (705, 18149), (713, 18170), (725, 18212), (749, 18311), (762, 18374), (789, 18464), (834, 18593), (843, 18626), (895, 18908), (907, 18974), (911, 18995), (918, 19034), (920, 19049),

Gene: Roimos_25 Start: 15464, Stop: 18502, Start Num: 47
Candidate Starts for Roimos_25:
(Start: 47 @15464 has 37 MA's), (87, 15638), (90, 15650), (Start: 99 @15683 has 4 MA's), (171, 15893), (214, 16016), (219, 16037), (256, 16223), (266, 16244), (278, 16277), (294, 16340), (298, 16352), (306, 16385), (310, 16403), (324, 16472), (326, 16478), (330, 16493), (333, 16502), (335, 16514), (337, 16523), (354, 16616), (381, 16733), (382, 16736), (386, 16763), (388, 16775), (401, 16829), (407, 16850), (412, 16871), (422, 16916), (432, 16955), (483, 17096), (504, 17141), (511, 17156), (530, 17231), (534, 17240), (547, 17270), (555, 17285), (573, 17342), (589, 17369), (590, 17372), (671, 17522), (677, 17543), (691, 17582), (707, 17621), (722, 17672), (723, 17675), (725, 17684), (730, 17708), (749, 17777), (753, 17798), (767, 17867), (774, 17885), (789, 17933), (793, 17945), (814, 17987), (818, 17999), (833, 18047), (874, 18218), (877, 18248), (883, 18278), (887, 18299), (916, 18434), (917, 18446), (921, 18482),

Gene: Roksolana_29 Start: 16734, Stop: 18950, Start Num: 93
Candidate Starts for Roksolana_29:

(77, 16689), (Start: 93 @16734 has 49 MA's), (Start: 145 @16845 has 7 MA's), (196, 17001), (269, 17148), (273, 17160), (312, 17307), (313, 17310), (319, 17343), (339, 17433), (352, 17502), (375, 17577), (425, 17745), (623, 18003), (656, 18048), (721, 18156), (749, 18219), (758, 18261), (789, 18360), (797, 18381), (813, 18423), (830, 18474), (840, 18501), (857, 18582), (873, 18672),

Gene: Romney_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Romney_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (613, 17337), (615, 17346), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Roosevelt_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Roosevelt_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (613, 17337), (615, 17346), (639, 17409), (649, 17430), (661, 17457), (679, 17514), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Rosa24_24 Start: 16016, Stop: 18457, Start Num: 163
Candidate Starts for Rosa24_24:
(Start: 95 @15857 has 129 MA's), (Start: 153 @15998 has 23 MA's), (Start: 163 @16016 has 10 MA's), (218, 16172), (238, 16223), (248, 16262), (255, 16292), (290, 16409), (298, 16436), (313, 16499), (326, 16562), (337, 16607), (344, 16649), (362, 16733), (460, 17000), (490, 17051), (519, 17096), (554, 17174), (569, 17207), (571, 17213), (619, 17327), (639, 17381), (659, 17426), (679, 17486), (697, 17546), (731, 17660), (767, 17825), (774, 17843), (822, 17969), (880, 18221), (881, 18224), (883, 18233), (894, 18290), (895, 18293), (902, 18338), (916, 18389), (921, 18437),

Gene: Rosalind_28 Start: 16045, Stop: 18231, Start Num: 156
Candidate Starts for Rosalind_28:
(Start: 95 @15868 has 129 MA's), (Start: 99 @15877 has 4 MA's), (Start: 156 @16045 has 18 MA's), (267, 16285), (269, 16291), (289, 16360), (304, 16417), (337, 16561), (344, 16603), (353, 16651), (354, 16654), (384, 16765), (387, 16783), (425, 16888), (445, 16936), (515, 17041), (541, 17101), (569, 17155), (592, 17191), (599, 17215), (602, 17224), (624, 17287), (636, 17308), (640, 17323), (654, 17347), (659, 17359), (689, 17413), (695, 17434), (709, 17464), (771, 17635), (777, 17656), (813, 17740), (887, 18043), (916, 18166), (917, 18178),

Gene: Rowdy_29 Start: 15937, Stop: 18492, Start Num: 163
Candidate Starts for Rowdy_29:
(Start: 95 @15760 has 129 MA's), (Start: 163 @15937 has 10 MA's), (173, 15958), (189, 16015), (230, 16111), (232, 16120), (263, 16225), (271, 16252), (280, 16288), (300, 16366), (301, 16375), (308, 16396), (313, 16423), (327, 16501), (335, 16543), (370, 16708), (409, 16858), (411, 16870), (510, 17065), (552, 17185), (569, 17230), (570, 17233), (571, 17236), (581, 17257), (582, 17260), (602, 17305), (613, 17341), (619, 17359), (630, 17380), (639, 17413), (681, 17527), (701, 17590), (725, 17668), (731, 17692), (749, 17767), (761, 17833), (767, 17857), (774, 17875), (807, 17971), (815, 17995), (822, 18007), (827, 18022), (836, 18043), (838, 18055), (883, 18268), (891, 18304), (894, 18325), (895, 18328), (916, 18424), (921, 18472),

Gene: Rubeus_25 Start: 16439, Stop: 18922, Start Num: 135
Candidate Starts for Rubeus_25:
(Start: 135 @16439 has 221 MA's), (Start: 150 @16478 has 5 MA's), (171, 16541), (182, 16571), (188, 16592), (196, 16613), (233, 16643), (240, 16667), (260, 16733), (313, 16931), (319, 16964), (335, 17030), (396, 17285), (407, 17306), (414, 17333), (492, 17492), (519, 17528), (566, 17621), (572, 17642), (597, 17699), (637, 17819), (652, 17855), (667, 17885), (681, 17921), (705, 17987), (713, 18008), (725, 18050), (749, 18149), (762, 18212), (789, 18302), (834, 18431), (843, 18464), (895, 18746), (907, 18812), (911, 18833), (918, 18872), (921, 18902),

Gene: Rufus_25 Start: 16775, Stop: 19246, Start Num: 135
Candidate Starts for Rufus_25:
(Start: 135 @16775 has 221 MA's), (Start: 150 @16814 has 5 MA's), (171, 16877), (182, 16907), (188, 16928), (196, 16949), (202, 16961), (233, 16979), (260, 17069), (313, 17267), (319, 17300), (335, 17366), (396, 17621), (407, 17642), (414, 17669), (492, 17828), (519, 17864), (566, 17957), (572, 17978), (597, 18035), (637, 18155), (652, 18191), (667, 18221), (681, 18257), (705, 18323), (713, 18344), (749, 18485), (786, 18626), (797, 18647), (841, 18782), (875, 18959), (895, 19070), (907, 19136), (911, 19157), (918, 19196), (920, 19211),

Gene: Ruin_25 Start: 15881, Stop: 18481, Start Num: 95
Candidate Starts for Ruin_25:
(Start: 95 @15881 has 129 MA's), (Start: 153 @16022 has 23 MA's), (238, 16247), (248, 16286), (255, 16316), (290, 16433), (298, 16460), (313, 16523), (326, 16586), (337, 16631), (344, 16673), (362, 16757), (460, 17024), (490, 17075), (519, 17120), (554, 17198), (571, 17237), (639, 17405), (649, 17426), (659, 17450), (680, 17516), (697, 17570), (713, 17618), (731, 17684), (767, 17849), (774, 17867), (822, 17993), (880, 18245), (881, 18248), (883, 18257), (895, 18317), (916, 18413), (921, 18461),

Gene: Rummer_27 Start: 16063, Stop: 19089, Start Num: 48
Candidate Starts for Rummer_27:
(40, 16009), (Start: 48 @16063 has 89 MA's), (71, 16177), (88, 16243), (90, 16246), (92, 16255), (104, 16291), (122, 16342), (148, 16414), (171, 16486), (212, 16606), (214, 16609), (225, 16678), (231, 16723), (256, 16816), (262, 16825), (268, 16843), (278, 16870), (294, 16933), (298, 16945), (306, 16978), (310, 16996), (323, 17062), (324, 17065), (326, 17071), (330, 17086), (333, 17095), (335, 17107), (337, 17116), (350, 17194), (354, 17209), (381, 17326), (382, 17329), (386, 17356), (388, 17368), (401, 17422), (407, 17443), (422, 17509), (432, 17548), (468, 17641), (483, 17689), (504, 17734), (520, 17782), (530, 17824), (534, 17833), (547, 17863), (549, 17866), (555, 17878), (573, 17935), (575, 17941), (589, 17962), (590, 17965), (666, 18103), (671, 18115), (691, 18175), (711, 18232), (749, 18370), (753, 18391), (757, 18415), (767, 18460), (774, 18478), (789, 18526), (793, 18538), (814, 18580), (835, 18643), (852, 18700), (865, 18769), (874, 18805), (880, 18853), (887, 18886), (916, 19021),

Gene: Ruotula_23 Start: 16616, Stop: 19450, Start Num: 135
Candidate Starts for Ruotula_23:
(Start: 135 @16616 has 221 MA's), (159, 16688), (257, 16931), (262, 16946), (276, 16991), (303, 17111), (307, 17129), (315, 17177), (323, 17222), (335, 17267), (336, 17270), (344, 17318), (385, 17501), (392, 17528), (412, 17612), (425, 17669), (431, 17687), (443, 17732), (455, 17768), (464, 17810), (465, 17828), (479, 17876), (503, 17939), (505, 17942), (538, 18059), (556, 18095), (566, 18122), (569, 18134), (575, 18152), (583, 18167), (604, 18230), (645, 18359), (664, 18404), (674, 18437), (678, 18449), (732, 18623), (745, 18674), (766, 18761), (767, 18764), (774, 18782), (841, 18986), (875, 19163), (895, 19274), (911, 19361), (918, 19400), (920, 19415),

Gene: Rutherferd_26 Start: 17013, Stop: 19493, Start Num: 135
Candidate Starts for Rutherferd_26:

(Start: 135 @17013 has 221 MA's), (Start: 150 @17052 has 5 MA's), (171, 17115), (182, 17145), (196, 17187), (284, 17394), (290, 17412), (313, 17502), (326, 17565), (333, 17589), (335, 17601), (344, 17652), (483, 18036), (538, 18138), (558, 18177), (569, 18204), (579, 18228), (667, 18456), (705, 18558), (713, 18579), (718, 18591), (725, 18621), (748, 18717), (749, 18720), (762, 18783), (834, 19002), (843, 19035), (895, 19317), (911, 19404), (918, 19443), (920, 19458),

Gene: RyeScarlet_27 Start: 17594, Stop: 20503, Start Num: 66
Candidate Starts for RyeScarlet_27:
(Start: 66 @17594 has 43 MA's), (69, 17606), (85, 17666), (Start: 138 @17825 has 1 MA's), (157, 17888), (178, 17951), (191, 17993), (214, 18050), (222, 18089), (258, 18260), (262, 18266), (267, 18281), (293, 18371), (294, 18374), (298, 18386), (309, 18428), (319, 18482), (337, 18557), (340, 18578), (341, 18581), (344, 18599), (356, 18662), (375, 18728), (381, 18767), (385, 18794), (388, 18809), (396, 18839), (401, 18863), (407, 18884), (422, 18950), (432, 18989), (456, 19055), (468, 19082), (474, 19109), (504, 19175), (518, 19220), (542, 19295), (563, 19340), (568, 19361), (575, 19382), (577, 19385), (589, 19403), (590, 19406), (609, 19433), (615, 19460), (644, 19514), (722, 19706), (726, 19721), (734, 19751), (747, 19802), (766, 19889), (768, 19898), (785, 19949), (814, 20012), (822, 20033), (833, 20069), (846, 20105), (847, 20111), (865, 20189), (872, 20216), (881, 20276), (895, 20345), (899, 20375), (905, 20402), (917, 20441), (922, 20483),

Gene: STLscum_25 Start: 16819, Stop: 19653, Start Num: 135
Candidate Starts for STLscum_25:
(Start: 135 @16819 has 221 MA's), (159, 16891), (257, 17134), (262, 17149), (276, 17194), (303, 17314), (307, 17332), (323, 17425), (335, 17470), (336, 17473), (344, 17521), (385, 17704), (392, 17731), (412, 17815), (425, 17872), (431, 17890), (433, 17899), (455, 17971), (461, 17989), (465, 18031), (466, 18034), (479, 18079), (503, 18142), (505, 18145), (538, 18262), (556, 18298), (566, 18325), (569, 18337), (575, 18355), (583, 18370), (604, 18433), (645, 18562), (664, 18607), (674, 18640), (678, 18652), (713, 18751), (732, 18826), (745, 18877), (766, 18964), (767, 18967), (774, 18985), (841, 19189), (875, 19366), (895, 19477), (902, 19519), (911, 19564), (918, 19603), (920, 19618),

Gene: Sabertooth_25 Start: 15882, Stop: 18482, Start Num: 95
Candidate Starts for Sabertooth_25:
(Start: 95 @15882 has 129 MA's), (Start: 153 @16023 has 23 MA's), (Start: 163 @16041 has 10 MA's), (238, 16248), (248, 16287), (255, 16317), (290, 16434), (298, 16461), (313, 16524), (326, 16587), (337, 16632), (344, 16674), (362, 16758), (460, 17025), (490, 17076), (519, 17121), (554, 17199), (571, 17238), (581, 17259), (639, 17406), (649, 17427), (659, 17451), (679, 17511), (680, 17517), (681, 17520), (697, 17571), (713, 17619), (731, 17685), (767, 17850), (774, 17868), (822, 17994), (880, 18246), (881, 18249), (883, 18258), (895, 18318), (916, 18414), (921, 18462),

Gene: Sabia_27 Start: 15972, Stop: 18998, Start Num: 48
Candidate Starts for Sabia_27:
(40, 15918), (Start: 48 @15972 has 89 MA's), (71, 16086), (88, 16152), (90, 16155), (92, 16164), (104, 16200), (122, 16251), (148, 16323), (171, 16395), (212, 16515), (214, 16518), (225, 16587), (231, 16632), (256, 16725), (262, 16734), (268, 16752), (278, 16779), (294, 16842), (298, 16854), (306, 16887), (310, 16905), (323, 16971), (324, 16974), (326, 16980), (330, 16995), (333, 17004), (335, 17016), (337, 17025), (354, 17118), (381, 17235), (382, 17238), (386, 17265), (388, 17277), (401, 17331), (407, 17352), (422, 17418), (427, 17445), (468, 17550), (483, 17598), (504, 17643), (520, 17691), (530, 17733), (534, 17742), (547, 17772), (549, 17775), (555, 17787), (573, 17844), (575, 17850), (589, 17871), (590, 17874), (666, 18012), (671, 18024), (691, 18084), (713, 18144), (722, 18174), (723, 18177), (725, 18186), (749, 18279), (767, 18369), (789, 18435), (793, 18447), (814, 18489), (835, 18552), (852, 18609), (865, 18678), (874, 18714), (887, 18795), (916, 18930),

Gene: Sabinator_27 Start: 15977, Stop: 19003, Start Num: 48

Candidate Starts for Sabinator_27:
(40, 15923), (Start: 48 @15977 has 89 MA's), (71, 16091), (88, 16157), (90, 16160), (92, 16169), (104, 16205), (122, 16256), (148, 16328), (171, 16400), (212, 16520), (214, 16523), (225, 16592), (231, 16637), (256, 16730), (262, 16739), (268, 16757), (278, 16784), (294, 16847), (298, 16859), (306, 16892), (310, 16910), (323, 16976), (324, 16979), (326, 16985), (330, 17000), (333, 17009), (335, 17021), (337, 17030), (350, 17108), (354, 17123), (381, 17240), (382, 17243), (386, 17270), (388, 17282), (401, 17336), (407, 17357), (422, 17423), (432, 17462), (468, 17555), (483, 17603), (504, 17648), (520, 17696), (530, 17738), (534, 17747), (547, 17777), (549, 17780), (555, 17792), (573, 17849), (575, 17855), (589, 17876), (590, 17879), (666, 18017), (671, 18029), (691, 18089), (711, 18146), (749, 18284), (753, 18305), (757, 18329), (767, 18374), (774, 18392), (789, 18440), (793, 18452), (814, 18494), (835, 18557), (852, 18614), (865, 18683), (874, 18719), (887, 18800), (916, 18935),

Gene: Sachima_27 Start: 17590, Stop: 20499, Start Num: 66
Candidate Starts for Sachima_27:
(Start: 66 @17590 has 43 MA's), (69, 17602), (85, 17662), (157, 17884), (178, 17947), (191, 17989), (214, 18046), (222, 18085), (258, 18256), (262, 18262), (267, 18277), (293, 18367), (294, 18370), (298, 18382), (309, 18424), (319, 18478), (337, 18553), (340, 18574), (341, 18577), (344, 18595), (356, 18658), (375, 18724), (381, 18763), (385, 18790), (388, 18805), (396, 18835), (401, 18859), (407, 18880), (422, 18946), (432, 18985), (456, 19051), (468, 19078), (474, 19105), (504, 19171), (518, 19216), (542, 19291), (563, 19336), (568, 19357), (575, 19378), (577, 19381), (589, 19399), (590, 19402), (609, 19429), (615, 19456), (644, 19510), (722, 19702), (726, 19717), (734, 19747), (747, 19798), (766, 19885), (768, 19894), (785, 19945), (814, 20008), (822, 20029), (833, 20065), (846, 20101), (847, 20107), (865, 20185), (872, 20212), (881, 20272), (895, 20341), (899, 20371), (905, 20398), (917, 20437), (922, 20479),

Gene: Sagefire_25 Start: 17215, Stop: 19686, Start Num: 135
Candidate Starts for Sagefire_25:
(Start: 135 @17215 has 221 MA's), (Start: 150 @17254 has 5 MA's), (171, 17317), (182, 17347), (188, 17368), (196, 17389), (202, 17401), (233, 17419), (260, 17509), (313, 17707), (319, 17740), (335, 17806), (396, 18061), (407, 18082), (414, 18109), (492, 18268), (519, 18304), (566, 18397), (572, 18418), (597, 18475), (637, 18595), (652, 18631), (667, 18661), (681, 18697), (705, 18763), (713, 18784), (749, 18925), (786, 19066), (797, 19087), (841, 19222), (875, 19399), (895, 19510), (902, 19552), (911, 19597), (918, 19636), (920, 19651),

Gene: Saintus_22 Start: 14528, Stop: 17605, Start Num: 12
Candidate Starts for Saintus_22:
(Start: 12 @14528 has 13 MA's), (16, 14612), (32, 14780), (36, 14804), (53, 14852), (82, 14972), (102, 15044), (158, 15194), (159, 15197), (162, 15203), (248, 15389), (267, 15449), (269, 15455), (288, 15521), (296, 15548), (299, 15563), (312, 15614), (313, 15617), (326, 15683), (364, 15851), (414, 16010), (418, 16034), (425, 16058), (445, 16106), (457, 16127), (458, 16130), (527, 16274), (548, 16331), (561, 16361), (574, 16400), (606, 16472), (614, 16502), (662, 16601), (674, 16631), (690, 16676), (749, 16874), (753, 16895), (756, 16907), (777, 16988), (789, 17015), (804, 17057), (813, 17078), (822, 17102), (832, 17132), (842, 17165), (850, 17198), (863, 17258), (868, 17285), (886, 17384), (904, 17480), (912, 17501), (918, 17540), (925, 17588),

Gene: Salz_26 Start: 17154, Stop: 19700, Start Num: 91
Candidate Starts for Salz_26:
(Start: 91 @17154 has 24 MA's), (Start: 96 @17172 has 4 MA's), (Start: 156 @17346 has 18 MA's), (159, 17355), (196, 17430), (248, 17484), (265, 17538), (270, 17553), (271, 17556), (278, 17574), (294, 17637), (298, 17649), (313, 17712), (326, 17775), (330, 17790), (333, 17799), (337, 17820), (341, 17844), (344, 17859), (364, 17946), (366, 17949), (372, 17964), (378, 17985), (380, 17997), (396, 18063), (418, 18135), (425, 18159), (454, 18240), (457, 18249), (462, 18261), (471, 18303),

(513, 18360), (532, 18414), (577, 18522), (595, 18561), (647, 18702), (690, 18798), (695, 18819), (708, 18852), (721, 18885), (722, 18888), (748, 18972), (758, 19017), (759, 19020), (792, 19134), (804, 19167), (830, 19239), (842, 19275), (857, 19347), (873, 19425), (881, 19479), (886, 19503), (912, 19614),

Gene: Sandaddy_23 Start: 16328, Stop: 18799, Start Num: 135
Candidate Starts for Sandaddy_23:
(Start: 135 @16328 has 221 MA's), (Start: 150 @16367 has 5 MA's), (171, 16430), (182, 16460), (188, 16481), (196, 16502), (202, 16514), (233, 16532), (260, 16622), (313, 16820), (319, 16853), (335, 16919), (396, 17174), (407, 17195), (414, 17222), (492, 17381), (519, 17417), (566, 17510), (572, 17531), (597, 17588), (637, 17708), (652, 17744), (667, 17774), (681, 17810), (705, 17876), (713, 17897), (749, 18038), (786, 18179), (797, 18200), (875, 18512), (895, 18623), (902, 18665), (911, 18710), (918, 18749), (920, 18764),

Gene: Sanya_24 Start: 16990, Stop: 19461, Start Num: 135
Candidate Starts for Sanya_24:
(Start: 135 @16990 has 221 MA's), (Start: 150 @17029 has 5 MA's), (171, 17092), (182, 17122), (188, 17143), (196, 17164), (202, 17176), (233, 17194), (260, 17284), (313, 17482), (319, 17515), (335, 17581), (396, 17836), (407, 17857), (414, 17884), (492, 18043), (519, 18079), (566, 18172), (572, 18193), (597, 18250), (637, 18370), (652, 18406), (667, 18436), (681, 18472), (705, 18538), (713, 18559), (749, 18700), (786, 18841), (797, 18862), (841, 18997), (875, 19174), (895, 19285), (907, 19351), (911, 19372), (918, 19411), (920, 19426),

Gene: SarFire_24 Start: 16468, Stop: 18939, Start Num: 135
Candidate Starts for SarFire_24:
(Start: 135 @16468 has 221 MA's), (Start: 150 @16507 has 5 MA's), (171, 16570), (182, 16600), (188, 16621), (196, 16642), (233, 16672), (240, 16696), (246, 16717), (260, 16762), (313, 16960), (319, 16993), (335, 17059), (396, 17314), (407, 17335), (414, 17362), (416, 17377), (423, 17401), (478, 17488), (492, 17521), (519, 17557), (566, 17650), (572, 17671), (579, 17686), (588, 17707), (591, 17710), (611, 17779), (625, 17815), (637, 17848), (652, 17884), (667, 17914), (681, 17950), (705, 18016), (713, 18037), (749, 18178), (786, 18319), (797, 18340), (841, 18475), (861, 18571), (875, 18652), (895, 18763), (911, 18850), (918, 18889), (920, 18904),

Gene: Saskia_26 Start: 17175, Stop: 19703, Start Num: 96
Candidate Starts for Saskia_26:
(Start: 91 @17157 has 24 MA's), (Start: 96 @17175 has 4 MA's), (Start: 156 @17349 has 18 MA's), (159, 17358), (196, 17433), (265, 17541), (270, 17556), (271, 17559), (278, 17577), (294, 17640), (298, 17652), (313, 17715), (326, 17778), (330, 17793), (333, 17802), (337, 17823), (341, 17847), (344, 17862), (364, 17949), (366, 17952), (372, 17967), (378, 17988), (380, 18000), (396, 18066), (418, 18138), (425, 18162), (454, 18243), (457, 18252), (462, 18264), (471, 18306), (513, 18363), (532, 18417), (577, 18525), (595, 18564), (647, 18705), (690, 18801), (695, 18822), (708, 18855), (721, 18888), (722, 18891), (748, 18975), (758, 19020), (759, 19023), (792, 19137), (804, 19170), (830, 19242), (842, 19278), (857, 19350), (873, 19428), (881, 19482), (886, 19506), (912, 19617),

Gene: SaturnRing_25 Start: 15495, Stop: 18530, Start Num: 47
Candidate Starts for SaturnRing_25:
(Start: 47 @15495 has 37 MA's), (87, 15669), (90, 15681), (Start: 99 @15714 has 4 MA's), (171, 15924), (212, 16044), (214, 16047), (256, 16251), (266, 16272), (277, 16302), (278, 16305), (294, 16368), (298, 16380), (306, 16413), (310, 16431), (324, 16500), (326, 16506), (330, 16521), (333, 16530), (335, 16542), (337, 16551), (354, 16644), (381, 16761), (382, 16764), (385, 16788), (386, 16791), (388, 16803), (401, 16857), (407, 16878), (412, 16899), (422, 16944), (427, 16971), (432, 16983), (483, 17124), (504, 17169), (511, 17184), (530, 17259), (534, 17268), (547, 17298), (555, 17313), (557, 17316), (563, 17334), (568, 17355), (569, 17358), (589, 17397), (590, 17400), (633,

17484), (671, 17550), (677, 17571), (691, 17610), (707, 17649), (713, 17670), (722, 17700), (723, 17703), (725, 17712), (730, 17736), (749, 17805), (753, 17826), (767, 17895), (774, 17913), (789, 17961), (793, 17973), (814, 18015), (818, 18027), (833, 18075), (874, 18246), (877, 18276), (883, 18306), (887, 18327), (916, 18462), (921, 18510),

Gene: Scamp_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Scamp_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (679, 17514), (680, 17520), (681, 17523), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Scherzo_27 Start: 17623, Stop: 20532, Start Num: 66
Candidate Starts for Scherzo_27:
(Start: 66 @17623 has 43 MA's), (69, 17635), (85, 17695), (157, 17917), (178, 17980), (191, 18022), (214, 18079), (222, 18118), (258, 18289), (262, 18295), (267, 18310), (293, 18400), (294, 18403), (298, 18415), (309, 18457), (319, 18511), (337, 18586), (340, 18607), (341, 18610), (344, 18628), (356, 18691), (375, 18757), (381, 18796), (385, 18823), (388, 18838), (396, 18868), (401, 18892), (407, 18913), (422, 18979), (432, 19018), (456, 19084), (468, 19111), (474, 19138), (504, 19204), (518, 19249), (542, 19324), (563, 19369), (568, 19390), (575, 19411), (577, 19414), (589, 19432), (590, 19435), (609, 19462), (615, 19489), (644, 19543), (722, 19735), (726, 19750), (734, 19780), (747, 19831), (766, 19918), (768, 19927), (785, 19978), (814, 20041), (822, 20062), (833, 20098), (846, 20134), (847, 20140), (865, 20218), (872, 20245), (881, 20305), (895, 20374), (899, 20404), (905, 20431), (917, 20470), (922, 20512),

Gene: Scorpia_23 Start: 15062, Stop: 17875, Start Num: 1
Candidate Starts for Scorpia_23:
(Start: 1 @15062 has 40 MA's), (7, 15251), (64, 15599), (Start: 95 @15734 has 129 MA's), (97, 15740), (183, 15833), (206, 15884), (243, 15920), (272, 16010), (288, 16076), (294, 16097), (313, 16172), (319, 16205), (333, 16259), (338, 16292), (339, 16295), (341, 16304), (362, 16403), (375, 16436), (412, 16565), (449, 16679), (511, 16730), (572, 16796), (632, 16889), (641, 16922), (686, 17009), (697, 17042), (703, 17054), (716, 17084), (749, 17147), (758, 17189), (777, 17261), (789, 17288), (795, 17303), (804, 17330), (813, 17351), (842, 17438), (849, 17468), (850, 17471), (863, 17531), (880, 17630), (883, 17642), (885, 17654), (887, 17663), (912, 17792), (916, 17810),

Gene: Scout_25 Start: 14795, Stop: 17833, Start Num: 47
Candidate Starts for Scout_25:
(Start: 47 @14795 has 37 MA's), (87, 14969), (90, 14981), (Start: 99 @15014 has 4 MA's), (171, 15224), (214, 15347), (219, 15368), (256, 15554), (266, 15575), (278, 15608), (294, 15671), (298, 15683), (306, 15716), (310, 15734), (324, 15803), (326, 15809), (330, 15824), (333, 15833), (335, 15845), (337, 15854), (354, 15947), (381, 16064), (382, 16067), (386, 16094), (388, 16106), (401, 16160), (407, 16181), (412, 16202), (422, 16247), (432, 16286), (468, 16379), (483, 16427), (504, 16472), (511, 16487), (530, 16562), (534, 16571), (547, 16601), (555, 16616), (573, 16673), (589, 16700), (590, 16703), (607, 16724), (671, 16853), (677, 16874), (691, 16913), (707, 16952), (713, 16973), (722, 17003), (723, 17006), (725, 17015), (730, 17039), (749, 17108), (753, 17129), (767, 17198), (774, 17216), (789, 17264), (793, 17276), (814, 17318), (818, 17330), (833, 17378), (874, 17549), (877, 17579), (883, 17609), (887, 17630), (916, 17765), (917, 17777), (921, 17813),

Gene: Scowl_25 Start: 16861, Stop: 19521, Start Num: 135
Candidate Starts for Scowl_25:

(Start: 135 @16861 has 221 MA's), (Start: 150 @16900 has 5 MA's), (171, 16963), (Start: 174 @16969 has 1 MA's), (182, 16993), (196, 17035), (313, 17344), (326, 17407), (337, 17452), (342, 17476), (357, 17551), (360, 17563), (455, 17884), (566, 18214), (587, 18265), (597, 18292), (669, 18496), (710, 18610), (713, 18619), (720, 18640), (725, 18661), (749, 18760), (758, 18802), (759, 18805), (802, 18934), (830, 19018), (844, 19063), (895, 19345), (902, 19387), (906, 19405), (911, 19432), (918, 19471), (920, 19486),

Gene: Seabiscuit_26 Start: 16399, Stop: 18867, Start Num: 135
Candidate Starts for Seabiscuit_26:
(Start: 135 @16399 has 221 MA's), (Start: 144 @16414 has 1 MA's), (182, 16528), (188, 16549), (196, 16570), (233, 16600), (240, 16624), (246, 16645), (260, 16690), (313, 16888), (319, 16921), (335, 16987), (396, 17242), (407, 17263), (414, 17290), (492, 17449), (519, 17485), (566, 17578), (572, 17599), (579, 17614), (588, 17635), (591, 17638), (611, 17707), (625, 17743), (637, 17776), (652, 17812), (667, 17842), (681, 17878), (705, 17944), (713, 17965), (725, 18007), (749, 18106), (786, 18247), (797, 18268), (841, 18403), (875, 18580), (895, 18691), (911, 18778), (918, 18817), (921, 18847),

Gene: Seanderson_25 Start: 16848, Stop: 19319, Start Num: 135
Candidate Starts for Seanderson_25:
(Start: 135 @16848 has 221 MA's), (Start: 150 @16887 has 5 MA's), (171, 16950), (182, 16980), (188, 17001), (196, 17022), (233, 17052), (240, 17076), (260, 17142), (313, 17340), (319, 17373), (335, 17439), (396, 17694), (407, 17715), (414, 17742), (423, 17781), (448, 17838), (478, 17868), (566, 18030), (572, 18051), (597, 18108), (637, 18228), (652, 18264), (667, 18294), (681, 18330), (705, 18396), (713, 18417), (749, 18558), (786, 18699), (797, 18720), (841, 18855), (875, 19032), (895, 19143), (907, 19209), (911, 19230), (918, 19269), (920, 19284),

Gene: SemperFi_28 Start: 16964, Stop: 19501, Start Num: 130
Candidate Starts for SemperFi_28:
(Start: 130 @16964 has 101 MA's), (197, 17141), (198, 17144), (199, 17147), (211, 17177), (249, 17315), (253, 17336), (256, 17345), (266, 17366), (278, 17399), (293, 17459), (298, 17474), (310, 17525), (320, 17573), (323, 17591), (333, 17624), (335, 17636), (336, 17639), (337, 17645), (340, 17666), (341, 17669), (358, 17756), (381, 17855), (388, 17897), (391, 17906), (394, 17915), (404, 17963), (407, 17972), (422, 18038), (432, 18077), (504, 18263), (511, 18278), (520, 18311), (534, 18362), (542, 18383), (550, 18398), (555, 18407), (560, 18422), (589, 18491), (671, 18644), (677, 18665), (722, 18794), (734, 18839), (739, 18851), (746, 18887), (821, 19067), (826, 19076), (866, 19187), (873, 19217), (886, 19301),

Gene: SenorClean_25 Start: 16026, Stop: 18485, Start Num: 153
Candidate Starts for SenorClean_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (282, 16404), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Serenity_25 Start: 15579, Stop: 18095, Start Num: 130
Candidate Starts for Serenity_25:
(Start: 130 @15579 has 101 MA's), (173, 15690), (197, 15756), (198, 15759), (199, 15762), (219, 15810), (253, 15948), (256, 15957), (262, 15966), (298, 16086), (310, 16137), (321, 16194), (324, 16206), (326, 16212), (330, 16227), (335, 16248), (337, 16257), (345, 16305), (381, 16467), (386, 16497), (388, 16509), (398, 16548), (401, 16563), (407, 16584), (420, 16641), (421, 16647), (422, 16650), (427, 16677), (462, 16776), (504, 16875), (511, 16890), (528, 16953), (534, 16974), (542,

16995), (563, 17040), (589, 17103), (590, 17106), (611, 17145), (620, 17172), (639, 17202), (644, 17214), (671, 17256), (691, 17316), (701, 17343), (722, 17406), (739, 17463), (757, 17547), (775, 17613), (821, 17676), (881, 17871), (882, 17874), (886, 17895), (921, 18072), (924, 18081),

Gene: Severus_24 Start: 13964, Stop: 16519, Start Num: 163
Candidate Starts for Severus_24:
(Start: 95 @13787 has 129 MA's), (Start: 163 @13964 has 10 MA's), (188, 14039), (192, 14051), (251, 14213), (259, 14234), (263, 14246), (272, 14276), (280, 14309), (291, 14354), (297, 14372), (300, 14387), (301, 14396), (308, 14417), (327, 14522), (335, 14564), (370, 14729), (411, 14891), (416, 14918), (510, 15095), (523, 15140), (552, 15215), (570, 15263), (571, 15266), (581, 15287), (582, 15290), (602, 15335), (630, 15410), (631, 15413), (637, 15434), (646, 15458), (672, 15524), (680, 15554), (685, 15566), (711, 15653), (718, 15668), (731, 15722), (749, 15797), (763, 15875), (767, 15887), (785, 15944), (790, 15956), (794, 15968), (812, 16010), (815, 16022), (822, 16034), (827, 16049), (836, 16070), (838, 16082), (883, 16295), (895, 16355), (902, 16400), (916, 16451), (921, 16499),

Gene: Shaka_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Shaka_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (218, 16200), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (619, 17355), (639, 17409), (659, 17454), (679, 17514), (697, 17574), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (894, 18318), (895, 18321), (902, 18366), (916, 18417), (921, 18465),

Gene: Sham4_26 Start: 17160, Stop: 19706, Start Num: 91
Candidate Starts for Sham4_26:
(Start: 91 @17160 has 24 MA's), (Start: 96 @17178 has 4 MA's), (Start: 156 @17352 has 18 MA's), (159, 17361), (196, 17436), (248, 17490), (265, 17544), (270, 17559), (271, 17562), (278, 17580), (294, 17643), (298, 17655), (313, 17718), (326, 17781), (330, 17796), (333, 17805), (337, 17826), (341, 17850), (344, 17865), (364, 17952), (366, 17955), (372, 17970), (378, 17991), (380, 18003), (396, 18069), (418, 18141), (425, 18165), (454, 18246), (457, 18255), (462, 18267), (471, 18309), (513, 18366), (532, 18420), (577, 18528), (595, 18567), (647, 18708), (690, 18804), (695, 18825), (708, 18858), (721, 18891), (722, 18894), (748, 18978), (758, 19023), (759, 19026), (792, 19140), (804, 19173), (830, 19245), (842, 19281), (857, 19353), (873, 19431), (881, 19485), (886, 19509), (912, 19620),

Gene: Shapes_29 Start: 15937, Stop: 18492, Start Num: 163
Candidate Starts for Shapes_29:
(Start: 95 @15760 has 129 MA's), (Start: 163 @15937 has 10 MA's), (173, 15958), (189, 16015), (230, 16111), (232, 16120), (263, 16225), (271, 16252), (280, 16288), (300, 16366), (301, 16375), (308, 16396), (313, 16423), (327, 16501), (335, 16543), (370, 16708), (409, 16858), (411, 16870), (510, 17065), (552, 17185), (569, 17230), (570, 17233), (571, 17236), (581, 17257), (582, 17260), (602, 17305), (613, 17341), (619, 17359), (630, 17380), (639, 17413), (681, 17527), (701, 17590), (725, 17668), (731, 17692), (749, 17767), (761, 17833), (767, 17857), (774, 17875), (807, 17971), (815, 17995), (822, 18007), (827, 18022), (836, 18043), (838, 18055), (883, 18268), (891, 18304), (894, 18325), (895, 18328), (916, 18424), (921, 18472),

Gene: ShayRa_29 Start: 16045, Stop: 18231, Start Num: 156
Candidate Starts for ShayRa_29:
(Start: 95 @15868 has 129 MA's), (Start: 99 @15877 has 4 MA's), (Start: 156 @16045 has 18 MA's), (267, 16285), (269, 16291), (289, 16360), (304, 16417), (337, 16561), (344, 16603), (353, 16651), (354, 16654), (384, 16765), (387, 16783), (425, 16888), (445, 16936), (515, 17041), (541, 17101),

(569, 17155), (592, 17191), (599, 17215), (602, 17224), (624, 17287), (636, 17308), (640, 17323), (654, 17347), (659, 17359), (689, 17413), (695, 17434), (709, 17464), (771, 17635), (777, 17656), (813, 17740), (887, 18043), (916, 18166), (917, 18178),

Gene: SheaKeira_26 Start: 15769, Stop: 18678, Start Num: 66
Candidate Starts for SheaKeira_26:
(Start: 30 @15580 has 1 MA's), (49, 15682), (Start: 66 @15769 has 43 MA's), (69, 15781), (Start: 99 @15892 has 4 MA's), (101, 15901), (109, 15925), (112, 15934), (119, 15955), (124, 15964), (Start: 138 @15997 has 1 MA's), (155, 16051), (191, 16165), (212, 16219), (214, 16222), (236, 16348), (253, 16423), (256, 16432), (277, 16483), (281, 16498), (294, 16549), (298, 16561), (305, 16591), (310, 16612), (319, 16657), (320, 16660), (323, 16678), (324, 16681), (330, 16702), (337, 16732), (338, 16744), (346, 16783), (347, 16792), (354, 16825), (356, 16837), (381, 16942), (400, 17035), (401, 17038), (407, 17059), (410, 17068), (412, 17080), (417, 17104), (419, 17113), (420, 17116), (422, 17125), (426, 17143), (427, 17152), (436, 17176), (468, 17257), (479, 17296), (509, 17362), (542, 17470), (557, 17497), (563, 17515), (568, 17536), (575, 17557), (577, 17560), (589, 17578), (590, 17581), (609, 17608), (615, 17635), (637, 17668), (649, 17695), (722, 17881), (734, 17926), (739, 17938), (747, 17977), (757, 18022), (761, 18043), (767, 18067), (774, 18085), (778, 18106), (785, 18124), (814, 18187), (822, 18208), (845, 18280), (847, 18289), (865, 18367), (874, 18403), (884, 18466), (886, 18478), (899, 18553), (917, 18619), (922, 18661),

Gene: Sheen_27 Start: 17618, Stop: 20998, Start Num: 22
Candidate Starts for Sheen_27:
(Start: 22 @17618 has 4 MA's), (100, 18005), (117, 18062), (128, 18089), (154, 18170), (162, 18194), (167, 18206), (180, 18257), (212, 18353), (223, 18404), (264, 18587), (266, 18593), (278, 18626), (281, 18638), (305, 18731), (310, 18752), (313, 18764), (345, 18920), (349, 18944), (363, 19007), (381, 19082), (388, 19124), (401, 19178), (407, 19199), (420, 19256), (421, 19262), (422, 19265), (447, 19349), (452, 19364), (462, 19391), (468, 19397), (504, 19490), (509, 19502), (511, 19505), (563, 19655), (567, 19670), (572, 19688), (583, 19712), (590, 19730), (591, 19733), (594, 19739), (628, 19844), (653, 19907), (655, 19910), (675, 19967), (676, 19973), (693, 20021), (701, 20051), (725, 20129), (727, 20141), (728, 20150), (753, 20249), (767, 20318), (774, 20336), (796, 20420), (801, 20432), (804, 20444), (822, 20495), (827, 20516), (841, 20567), (849, 20600), (866, 20681), (874, 20714), (877, 20744), (885, 20786), (891, 20810), (901, 20876), (905, 20891), (906, 20897), (918, 20948),

Gene: SheldonCooper_26 Start: 16197, Stop: 18797, Start Num: 95
Candidate Starts for SheldonCooper_26:
(Start: 95 @16197 has 129 MA's), (Start: 153 @16338 has 23 MA's), (Start: 163 @16356 has 10 MA's), (218, 16512), (238, 16563), (255, 16632), (290, 16749), (298, 16776), (313, 16839), (326, 16902), (337, 16947), (344, 16989), (362, 17073), (423, 17280), (460, 17340), (490, 17391), (519, 17436), (554, 17514), (569, 17547), (571, 17553), (639, 17721), (649, 17742), (659, 17766), (679, 17826), (680, 17832), (681, 17835), (697, 17886), (713, 17934), (731, 18000), (767, 18165), (774, 18183), (822, 18309), (880, 18561), (881, 18564), (883, 18573), (894, 18630), (895, 18633), (902, 18678), (916, 18729), (921, 18777),

Gene: Shep_25 Start: 14750, Stop: 17548, Start Num: 47
Candidate Starts for Shep_25:
(Start: 47 @14750 has 37 MA's), (87, 14924), (90, 14936), (Start: 99 @14969 has 4 MA's), (171, 15179), (214, 15302), (219, 15323), (256, 15509), (278, 15563), (294, 15626), (298, 15638), (306, 15671), (310, 15689), (324, 15758), (326, 15764), (330, 15779), (333, 15788), (335, 15800), (337, 15809), (354, 15902), (381, 16019), (382, 16022), (386, 16049), (388, 16061), (401, 16115), (407, 16136), (412, 16157), (422, 16202), (427, 16229), (432, 16241), (483, 16382), (575, 16394), (589, 16415), (590, 16418), (633, 16502), (671, 16568), (677, 16589), (691, 16628), (707, 16667), (722, 16718), (723, 16721), (725, 16730), (730, 16754), (749, 16823), (753, 16844), (767, 16913), (774,

16931), (789, 16979), (793, 16991), (814, 17033), (818, 17045), (833, 17093), (874, 17264), (877, 17294), (883, 17324), (887, 17345), (916, 17480), (917, 17492), (921, 17528),

Gene: ShortQueendom_24 Start: 16288, Stop: 18759, Start Num: 135
Candidate Starts for ShortQueendom_24:
(Start: 135 @16288 has 221 MA's), (Start: 150 @16327 has 5 MA's), (171, 16390), (182, 16420), (188, 16441), (196, 16462), (202, 16474), (233, 16492), (260, 16582), (313, 16780), (319, 16813), (335, 16879), (396, 17134), (407, 17155), (414, 17182), (492, 17341), (519, 17377), (566, 17470), (572, 17491), (597, 17548), (625, 17635), (637, 17668), (652, 17704), (667, 17734), (681, 17770), (705, 17836), (713, 17857), (749, 17998), (786, 18139), (797, 18160), (841, 18295), (875, 18472), (895, 18583), (902, 18625), (911, 18670), (918, 18709), (920, 18724),

Gene: Shygu2_25 Start: 15876, Stop: 18476, Start Num: 95
Candidate Starts for Shygu2_25:
(Start: 95 @15876 has 129 MA's), (218, 16191), (230, 16218), (243, 16266), (261, 16323), (290, 16428), (294, 16443), (313, 16518), (337, 16626), (340, 16647), (344, 16668), (460, 17019), (490, 17070), (517, 17112), (519, 17115), (569, 17226), (571, 17232), (628, 17364), (639, 17400), (661, 17448), (697, 17565), (731, 17679), (767, 17844), (774, 17862), (815, 17976), (822, 17988), (851, 18078), (869, 18171), (881, 18243), (883, 18252), (895, 18312), (897, 18321), (916, 18408), (921, 18456),

Gene: Sibs6_26 Start: 16924, Stop: 19404, Start Num: 135
Candidate Starts for Sibs6_26:
(Start: 135 @16924 has 221 MA's), (Start: 150 @16963 has 5 MA's), (171, 17026), (182, 17056), (196, 17098), (284, 17305), (290, 17323), (313, 17413), (326, 17476), (333, 17500), (335, 17512), (344, 17563), (483, 17947), (538, 18049), (558, 18088), (566, 18103), (569, 18115), (579, 18139), (625, 18268), (667, 18367), (705, 18469), (713, 18490), (725, 18532), (749, 18631), (762, 18694), (789, 18784), (834, 18913), (843, 18946), (895, 19228), (907, 19294), (911, 19315), (918, 19354), (921, 19384),

Gene: Skadoosh_25 Start: 16026, Stop: 18485, Start Num: 153
Candidate Starts for Skadoosh_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: SkiPole_26 Start: 16553, Stop: 19165, Start Num: 135
Candidate Starts for SkiPole_26:
(Start: 135 @16553 has 221 MA's), (Start: 150 @16592 has 5 MA's), (171, 16655), (Start: 174 @16661 has 1 MA's), (182, 16685), (196, 16727), (216, 16778), (284, 17066), (290, 17084), (313, 17174), (326, 17237), (333, 17261), (335, 17273), (344, 17324), (483, 17708), (538, 17810), (558, 17849), (566, 17864), (569, 17876), (579, 17900), (607, 17975), (625, 18029), (667, 18128), (705, 18230), (713, 18251), (717, 18260), (725, 18293), (742, 18368), (749, 18392), (762, 18455), (797, 18566), (813, 18608), (834, 18674), (843, 18707), (895, 18989), (911, 19076), (918, 19115), (920, 19130),

Gene: Skipitt_25 Start: 16023, Stop: 18482, Start Num: 153
Candidate Starts for Skipitt_25:
(Start: 95 @15882 has 129 MA's), (Start: 153 @16023 has 23 MA's), (Start: 163 @16041 has 10 MA's), (238, 16248), (248, 16287), (255, 16317), (290, 16434), (298, 16461), (313, 16524), (326, 16587), (337, 16632), (344, 16674), (362, 16758), (460, 17025), (490, 17076), (519, 17121), (554,

17199), (569, 17232), (571, 17238), (613, 17334), (615, 17343), (639, 17406), (649, 17427), (661, 17454), (679, 17511), (680, 17517), (697, 17571), (713, 17619), (731, 17685), (767, 17850), (774, 17868), (822, 17994), (880, 18246), (881, 18249), (883, 18258), (895, 18318), (916, 18414), (921, 18462),

Gene: Sknot_26 Start: 16673, Stop: 19180, Start Num: 130
Candidate Starts for Sknot_26:
(Start: 130 @16673 has 101 MA's), (173, 16784), (193, 16841), (246, 16997), (253, 17027), (278, 17090), (285, 17123), (287, 17129), (330, 17309), (333, 17318), (337, 17339), (340, 17360), (341, 17363), (344, 17381), (355, 17441), (381, 17549), (388, 17591), (401, 17645), (407, 17666), (421, 17729), (422, 17732), (426, 17750), (432, 17771), (504, 17957), (511, 17972), (516, 17999), (534, 18056), (540, 18071), (542, 18077), (547, 18086), (550, 18092), (563, 18122), (568, 18143), (590, 18188), (601, 18194), (611, 18227), (620, 18254), (666, 18326), (671, 18338), (691, 18398), (701, 18425), (722, 18488), (734, 18533), (739, 18545), (746, 18581), (756, 18617), (761, 18650), (803, 18713), (814, 18737), (868, 18881), (886, 18980), (901, 19067), (924, 19166),

Gene: Slagathor_25 Start: 16276, Stop: 18747, Start Num: 135
Candidate Starts for Slagathor_25:
(Start: 135 @16276 has 221 MA's), (Start: 150 @16315 has 5 MA's), (171, 16378), (182, 16408), (188, 16429), (196, 16450), (202, 16462), (233, 16480), (240, 16504), (260, 16570), (313, 16768), (319, 16801), (335, 16867), (396, 17122), (407, 17143), (414, 17170), (492, 17329), (519, 17365), (566, 17458), (572, 17479), (597, 17536), (637, 17656), (652, 17692), (667, 17722), (681, 17758), (705, 17824), (713, 17845), (749, 17986), (786, 18127), (797, 18148), (841, 18283), (875, 18460), (895, 18571), (907, 18637), (911, 18658), (918, 18697), (920, 18712),

Gene: Smairt_25 Start: 17108, Stop: 19579, Start Num: 135
Candidate Starts for Smairt_25:
(Start: 135 @17108 has 221 MA's), (Start: 150 @17147 has 5 MA's), (171, 17210), (182, 17240), (188, 17261), (196, 17282), (202, 17294), (233, 17312), (260, 17402), (313, 17600), (319, 17633), (335, 17699), (396, 17954), (407, 17975), (414, 18002), (492, 18161), (519, 18197), (566, 18290), (572, 18311), (597, 18368), (637, 18488), (652, 18524), (667, 18554), (681, 18590), (705, 18656), (713, 18677), (749, 18818), (786, 18959), (797, 18980), (841, 19115), (875, 19292), (895, 19403), (911, 19490), (918, 19529), (921, 19559),

Gene: Smeadley_22 Start: 14546, Stop: 17623, Start Num: 12
Candidate Starts for Smeadley_22:
(Start: 12 @14546 has 13 MA's), (16, 14630), (32, 14798), (36, 14822), (53, 14870), (82, 14990), (102, 15062), (158, 15212), (159, 15215), (162, 15221), (248, 15407), (267, 15467), (269, 15473), (288, 15539), (296, 15566), (299, 15581), (312, 15632), (313, 15635), (319, 15668), (326, 15701), (364, 15869), (418, 16052), (425, 16076), (445, 16124), (457, 16145), (458, 16148), (527, 16292), (548, 16349), (561, 16379), (574, 16418), (606, 16490), (614, 16520), (662, 16619), (674, 16649), (690, 16694), (749, 16892), (753, 16913), (756, 16925), (789, 17033), (813, 17096), (822, 17120), (832, 17150), (842, 17183), (850, 17216), (863, 17276), (868, 17303), (886, 17402), (887, 17408), (904, 17498), (912, 17519), (918, 17558), (925, 17606),

Gene: Smeagan_28 Start: 17115, Stop: 19658, Start Num: 130
Candidate Starts for Smeagan_28:
(Start: 130 @17115 has 101 MA's), (198, 17295), (199, 17298), (211, 17328), (247, 17466), (249, 17472), (253, 17493), (256, 17502), (262, 17511), (266, 17523), (281, 17568), (285, 17589), (298, 17631), (310, 17682), (319, 17727), (320, 17730), (323, 17748), (333, 17781), (335, 17793), (337, 17802), (340, 17823), (341, 17826), (358, 17913), (381, 18012), (388, 18054), (391, 18063), (394, 18072), (407, 18129), (422, 18195), (432, 18234), (478, 18363), (504, 18420), (524, 18486), (534, 18519), (540, 18534), (542, 18540), (547, 18549), (555, 18564), (563, 18585), (568, 18606), (575,

18627), (577, 18630), (589, 18648), (590, 18651), (614, 18702), (644, 18759), (653, 18777), (671, 18801), (691, 18861), (701, 18888), (722, 18951), (734, 18996), (766, 19134), (821, 19224), (826, 19233), (846, 19257), (866, 19344), (873, 19374), (886, 19458),

Gene: Smeagol_26 Start: 17697, Stop: 20180, Start Num: 135
Candidate Starts for Smeagol_26:
(Start: 135 @17697 has 221 MA's), (Start: 150 @17736 has 5 MA's), (171, 17799), (182, 17829), (196, 17871), (284, 18078), (313, 18186), (326, 18249), (333, 18273), (335, 18285), (344, 18336), (483, 18720), (538, 18822), (558, 18861), (569, 18888), (579, 18912), (661, 19116), (667, 19128), (675, 19143), (711, 19260), (725, 19305), (728, 19326), (730, 19329), (767, 19494), (786, 19560), (804, 19602), (834, 19689), (844, 19722), (895, 20004), (911, 20091), (918, 20130), (920, 20145),

Gene: SmellyB_29 Start: 16735, Stop: 18939, Start Num: 93
Candidate Starts for SmellyB_29:
(41, 16576), (77, 16690), (Start: 93 @16735 has 49 MA's), (Start: 145 @16846 has 7 MA's), (147, 16852), (182, 16960), (196, 17002), (243, 17068), (273, 17161), (282, 17188), (313, 17311), (319, 17344), (339, 17434), (352, 17503), (425, 17746), (531, 17884), (623, 18004), (721, 18157), (749, 18220), (758, 18262), (789, 18361), (797, 18382), (804, 18403), (813, 18424), (830, 18475), (834, 18487), (840, 18502), (857, 18583), (873, 18661),

Gene: SnapTap_26 Start: 16547, Stop: 19084, Start Num: 130
Candidate Starts for SnapTap_26:
(Start: 130 @16547 has 101 MA's), (197, 16724), (198, 16727), (199, 16730), (211, 16760), (249, 16898), (253, 16919), (256, 16928), (266, 16949), (278, 16982), (293, 17042), (298, 17057), (310, 17108), (320, 17156), (323, 17174), (333, 17207), (335, 17219), (336, 17222), (337, 17228), (340, 17249), (341, 17252), (358, 17339), (381, 17438), (388, 17480), (391, 17489), (394, 17498), (404, 17546), (407, 17555), (422, 17621), (432, 17660), (475, 17783), (504, 17846), (511, 17861), (520, 17894), (534, 17945), (542, 17966), (550, 17981), (555, 17990), (560, 18005), (589, 18074), (671, 18227), (722, 18377), (734, 18422), (739, 18434), (746, 18470), (821, 18650), (826, 18659), (866, 18770), (873, 18800), (886, 18884),

Gene: Snape_26 Start: 17160, Stop: 19706, Start Num: 91
Candidate Starts for Snape_26:
(Start: 91 @17160 has 24 MA's), (Start: 96 @17178 has 4 MA's), (Start: 156 @17352 has 18 MA's), (159, 17361), (196, 17436), (248, 17490), (265, 17544), (270, 17559), (271, 17562), (278, 17580), (294, 17643), (298, 17655), (313, 17718), (326, 17781), (330, 17796), (333, 17805), (337, 17826), (341, 17850), (344, 17865), (364, 17952), (366, 17955), (372, 17970), (378, 17991), (380, 18003), (396, 18069), (416, 18132), (418, 18141), (425, 18165), (454, 18246), (457, 18255), (462, 18267), (471, 18309), (513, 18366), (532, 18420), (577, 18528), (595, 18567), (647, 18708), (690, 18804), (695, 18825), (708, 18858), (721, 18891), (722, 18894), (748, 18978), (758, 19023), (759, 19026), (792, 19140), (804, 19173), (830, 19245), (842, 19281), (857, 19353), (873, 19431), (881, 19485), (886, 19509), (912, 19620),

Gene: Snazzy_22 Start: 15797, Stop: 18268, Start Num: 135
Candidate Starts for Snazzy_22:
(Start: 135 @15797 has 221 MA's), (Start: 150 @15836 has 5 MA's), (171, 15899), (182, 15929), (188, 15950), (196, 15971), (202, 15983), (233, 16001), (260, 16091), (313, 16289), (319, 16322), (335, 16388), (396, 16643), (407, 16664), (414, 16691), (492, 16850), (519, 16886), (566, 16979), (572, 17000), (597, 17057), (637, 17177), (652, 17213), (667, 17243), (681, 17279), (705, 17345), (713, 17366), (749, 17507), (786, 17648), (797, 17669), (841, 17804), (875, 17981), (895, 18092), (911, 18179), (918, 18218),

Gene: Snickers_27 Start: 15953, Stop: 18979, Start Num: 48

Candidate Starts for Snickers_27:
(40, 15899), (Start: 48 @15953 has 89 MA's), (71, 16067), (88, 16133), (90, 16136), (92, 16145), (104, 16181), (122, 16232), (148, 16304), (171, 16376), (212, 16496), (214, 16499), (225, 16568), (231, 16613), (256, 16706), (262, 16715), (268, 16733), (278, 16760), (294, 16823), (298, 16835), (306, 16868), (310, 16886), (323, 16952), (324, 16955), (326, 16961), (330, 16976), (333, 16985), (335, 16997), (337, 17006), (350, 17084), (354, 17099), (381, 17216), (382, 17219), (386, 17246), (388, 17258), (401, 17312), (407, 17333), (422, 17399), (432, 17438), (468, 17531), (483, 17579), (504, 17624), (520, 17672), (530, 17714), (534, 17723), (547, 17753), (549, 17756), (555, 17768), (573, 17825), (575, 17831), (589, 17852), (590, 17855), (666, 17993), (671, 18005), (691, 18065), (713, 18125), (722, 18155), (723, 18158), (725, 18167), (749, 18260), (767, 18350), (789, 18416), (793, 18428), (814, 18470), (835, 18533), (852, 18590), (865, 18659), (874, 18695), (887, 18776), (916, 18911),

Gene: SoYo_27 Start: 15890, Stop: 18916, Start Num: 48
Candidate Starts for SoYo_27:
(40, 15836), (Start: 48 @15890 has 89 MA's), (71, 16004), (88, 16070), (90, 16073), (92, 16082), (104, 16118), (122, 16169), (148, 16241), (171, 16313), (212, 16433), (214, 16436), (225, 16505), (231, 16550), (256, 16643), (262, 16652), (268, 16670), (278, 16697), (294, 16760), (298, 16772), (306, 16805), (310, 16823), (323, 16889), (324, 16892), (326, 16898), (330, 16913), (333, 16922), (335, 16934), (337, 16943), (350, 17021), (354, 17036), (381, 17153), (382, 17156), (386, 17183), (388, 17195), (401, 17249), (407, 17270), (422, 17336), (432, 17375), (468, 17468), (483, 17516), (504, 17561), (520, 17609), (530, 17651), (534, 17660), (547, 17690), (549, 17693), (555, 17705), (573, 17762), (575, 17768), (589, 17789), (590, 17792), (666, 17930), (671, 17942), (691, 18002), (711, 18059), (749, 18197), (753, 18218), (757, 18242), (767, 18287), (774, 18305), (789, 18353), (793, 18365), (814, 18407), (835, 18470), (852, 18527), (865, 18596), (874, 18632), (887, 18713), (916, 18848),

Gene: SoilDragon_27 Start: 15667, Stop: 18693, Start Num: 48
Candidate Starts for SoilDragon_27:
(40, 15613), (Start: 48 @15667 has 89 MA's), (71, 15781), (88, 15847), (90, 15850), (92, 15859), (104, 15895), (122, 15946), (148, 16018), (171, 16090), (212, 16210), (214, 16213), (225, 16282), (231, 16327), (256, 16420), (262, 16429), (278, 16474), (294, 16537), (298, 16549), (306, 16582), (310, 16600), (323, 16666), (324, 16669), (326, 16675), (330, 16690), (333, 16699), (335, 16711), (337, 16720), (354, 16813), (377, 16900), (381, 16930), (382, 16933), (386, 16960), (388, 16972), (401, 17026), (407, 17047), (415, 17077), (422, 17113), (483, 17293), (504, 17338), (520, 17386), (530, 17428), (534, 17437), (547, 17467), (573, 17539), (589, 17566), (590, 17569), (604, 17581), (655, 17698), (666, 17707), (671, 17719), (691, 17779), (713, 17839), (722, 17869), (723, 17872), (725, 17881), (749, 17974), (767, 18064), (789, 18130), (793, 18142), (814, 18184), (835, 18247), (852, 18304), (865, 18373), (874, 18409), (887, 18490), (916, 18625),

Gene: Solon_24 Start: 16959, Stop: 19430, Start Num: 135
Candidate Starts for Solon_24:
(Start: 135 @16959 has 221 MA's), (Start: 150 @16998 has 5 MA's), (171, 17061), (182, 17091), (188, 17112), (196, 17133), (202, 17145), (233, 17163), (260, 17253), (313, 17451), (319, 17484), (335, 17550), (396, 17805), (407, 17826), (414, 17853), (492, 18012), (519, 18048), (566, 18141), (572, 18162), (597, 18219), (637, 18339), (652, 18375), (667, 18405), (681, 18441), (705, 18507), (713, 18528), (749, 18669), (786, 18810), (797, 18831), (841, 18966), (875, 19143), (895, 19254), (907, 19320), (911, 19341), (918, 19380), (920, 19395),

Gene: SororFago_25 Start: 15738, Stop: 18149, Start Num: 144
Candidate Starts for SororFago_25:
(Start: 144 @15738 has 1 MA's), (Start: 150 @15759 has 5 MA's), (160, 15792), (201, 15894), (217, 15936), (233, 15978), (248, 16029), (276, 16119), (298, 16203), (313, 16266), (319, 16299), (328,

16332), (333, 16353), (337, 16374), (344, 16416), (356, 16479), (397, 16620), (471, 16788), (478, 16794), (490, 16818), (526, 16878), (601, 17052), (720, 17349), (737, 17409), (743, 17442), (744, 17454), (753, 17487), (756, 17496), (765, 17547), (798, 17628), (803, 17640), (812, 17664), (836, 17718), (838, 17730), (864, 17835), (885, 17946), (899, 18021), (917, 18087), (921, 18123),

Gene: Sorpresa_24 Start: 16328, Stop: 18799, Start Num: 135
Candidate Starts for Sorpresa_24:
(Start: 135 @16328 has 221 MA's), (Start: 150 @16367 has 5 MA's), (171, 16430), (182, 16460), (188, 16481), (196, 16502), (202, 16514), (233, 16532), (260, 16622), (313, 16820), (319, 16853), (335, 16919), (396, 17174), (407, 17195), (414, 17222), (492, 17381), (519, 17417), (566, 17510), (572, 17531), (597, 17588), (637, 17708), (652, 17744), (667, 17774), (681, 17810), (705, 17876), (713, 17897), (749, 18038), (786, 18179), (797, 18200), (875, 18512), (895, 18623), (902, 18665), (911, 18710), (918, 18749), (920, 18764),

Gene: Soshari_29 Start: 16062, Stop: 19088, Start Num: 48
Candidate Starts for Soshari_29:
(40, 16008), (Start: 48 @16062 has 89 MA's), (71, 16176), (88, 16242), (90, 16245), (92, 16254), (104, 16290), (122, 16341), (148, 16413), (171, 16485), (212, 16605), (214, 16608), (225, 16677), (231, 16722), (256, 16815), (262, 16824), (268, 16842), (278, 16869), (294, 16932), (298, 16944), (306, 16977), (310, 16995), (323, 17061), (324, 17064), (326, 17070), (330, 17085), (333, 17094), (335, 17106), (337, 17115), (350, 17193), (354, 17208), (381, 17325), (382, 17328), (386, 17355), (388, 17367), (401, 17421), (407, 17442), (422, 17508), (432, 17547), (468, 17640), (483, 17688), (504, 17733), (520, 17781), (530, 17823), (534, 17832), (547, 17862), (549, 17865), (555, 17877), (573, 17934), (575, 17940), (589, 17961), (590, 17964), (666, 18102), (671, 18114), (691, 18174), (711, 18231), (749, 18369), (753, 18390), (757, 18414), (767, 18459), (774, 18477), (789, 18525), (793, 18537), (814, 18579), (835, 18642), (852, 18699), (865, 18768), (874, 18804), (887, 18885), (916, 19020),

Gene: Soups_28 Start: 16045, Stop: 18231, Start Num: 156
Candidate Starts for Soups_28:
(Start: 95 @15868 has 129 MA's), (Start: 99 @15877 has 4 MA's), (Start: 156 @16045 has 18 MA's), (267, 16285), (269, 16291), (289, 16360), (304, 16417), (337, 16561), (344, 16603), (353, 16651), (354, 16654), (384, 16765), (387, 16783), (425, 16888), (445, 16936), (515, 17041), (541, 17101), (569, 17155), (592, 17191), (599, 17215), (602, 17224), (624, 17287), (636, 17308), (640, 17323), (654, 17347), (659, 17359), (689, 17413), (695, 17434), (709, 17464), (771, 17635), (777, 17656), (813, 17740), (887, 18043), (916, 18166), (917, 18178),

Gene: Sparxx_25 Start: 15883, Stop: 18483, Start Num: 95
Candidate Starts for Sparxx_25:
(Start: 95 @15883 has 129 MA's), (Start: 153 @16024 has 23 MA's), (Start: 163 @16042 has 10 MA's), (238, 16249), (248, 16288), (255, 16318), (290, 16435), (298, 16462), (313, 16525), (326, 16588), (337, 16633), (344, 16675), (362, 16759), (460, 17026), (490, 17077), (519, 17122), (554, 17200), (571, 17239), (581, 17260), (639, 17407), (649, 17428), (659, 17452), (679, 17512), (680, 17518), (681, 17521), (697, 17572), (713, 17620), (731, 17686), (767, 17851), (774, 17869), (822, 17995), (880, 18247), (881, 18250), (883, 18259), (895, 18319), (916, 18415), (921, 18463),

Gene: Spike509_27 Start: 16063, Stop: 19089, Start Num: 48
Candidate Starts for Spike509_27:
(40, 16009), (Start: 48 @16063 has 89 MA's), (71, 16177), (88, 16243), (90, 16246), (92, 16255), (104, 16291), (122, 16342), (148, 16414), (171, 16486), (212, 16606), (214, 16609), (225, 16678), (231, 16723), (256, 16816), (262, 16825), (268, 16843), (278, 16870), (294, 16933), (298, 16945), (306, 16978), (310, 16996), (323, 17062), (324, 17065), (326, 17071), (330, 17086), (333, 17095), (335, 17107), (337, 17116), (350, 17194), (354, 17209), (381, 17326), (382, 17329), (386, 17356), (388,

17368), (401, 17422), (407, 17443), (422, 17509), (432, 17548), (468, 17641), (483, 17689), (504, 17734), (530, 17824), (534, 17833), (547, 17863), (568, 17920), (573, 17935), (589, 17962), (590, 17965), (666, 18103), (671, 18115), (691, 18175), (711, 18232), (749, 18370), (753, 18391), (757, 18415), (767, 18460), (774, 18478), (789, 18526), (793, 18538), (814, 18580), (835, 18643), (852, 18700), (865, 18769), (874, 18805), (887, 18886), (916, 19021),

Gene: SpikeBT_26 Start: 17264, Stop: 19735, Start Num: 135
Candidate Starts for SpikeBT_26:
(Start: 135 @17264 has 221 MA's), (Start: 150 @17303 has 5 MA's), (171, 17366), (182, 17396), (188, 17417), (196, 17438), (202, 17450), (233, 17468), (260, 17558), (313, 17756), (319, 17789), (335, 17855), (396, 18110), (407, 18131), (414, 18158), (492, 18317), (519, 18353), (566, 18446), (572, 18467), (597, 18524), (625, 18611), (637, 18644), (652, 18680), (667, 18710), (681, 18746), (705, 18812), (713, 18833), (749, 18974), (786, 19115), (797, 19136), (841, 19271), (875, 19448), (895, 19559), (902, 19601), (911, 19646), (918, 19685), (920, 19700),

Gene: Spino_25 Start: 16026, Stop: 18485, Start Num: 153
Candidate Starts for Spino_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (679, 17514), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Spouty_27 Start: 17620, Stop: 20529, Start Num: 66
Candidate Starts for Spouty_27:
(Start: 66 @17620 has 43 MA's), (69, 17632), (85, 17692), (157, 17914), (178, 17977), (191, 18019), (212, 18073), (214, 18076), (222, 18115), (258, 18286), (262, 18292), (267, 18307), (293, 18397), (294, 18400), (298, 18412), (309, 18454), (319, 18508), (323, 18529), (337, 18583), (340, 18604), (341, 18607), (344, 18625), (356, 18688), (375, 18754), (381, 18793), (385, 18820), (388, 18835), (396, 18865), (401, 18889), (404, 18901), (407, 18910), (422, 18976), (432, 19015), (456, 19081), (468, 19108), (474, 19135), (518, 19246), (542, 19321), (555, 19345), (563, 19366), (568, 19387), (575, 19408), (577, 19411), (589, 19429), (590, 19432), (609, 19459), (637, 19519), (650, 19549), (671, 19582), (680, 19612), (685, 19624), (722, 19732), (726, 19747), (734, 19777), (747, 19828), (766, 19915), (768, 19924), (785, 19975), (814, 20038), (822, 20059), (833, 20095), (846, 20131), (847, 20137), (865, 20215), (872, 20242), (895, 20371), (899, 20401), (905, 20428), (917, 20467), (922, 20509),

Gene: Squee_25 Start: 17091, Stop: 19706, Start Num: 135
Candidate Starts for Squee_25:
(Start: 135 @17091 has 221 MA's), (Start: 150 @17130 has 5 MA's), (171, 17193), (Start: 174 @17199 has 1 MA's), (182, 17223), (245, 17331), (298, 17502), (312, 17562), (313, 17565), (338, 17688), (344, 17718), (357, 17781), (417, 18000), (438, 18072), (463, 18120), (476, 18165), (564, 18390), (566, 18399), (579, 18435), (597, 18477), (669, 18681), (710, 18795), (713, 18804), (720, 18825), (725, 18846), (749, 18945), (758, 18987), (759, 18990), (802, 19119), (830, 19203), (844, 19248), (895, 19530), (907, 19596), (911, 19617), (918, 19656), (920, 19671),

Gene: Stagni_27 Start: 15981, Stop: 19007, Start Num: 48
Candidate Starts for Stagni_27:
(40, 15927), (Start: 48 @15981 has 89 MA's), (71, 16095), (88, 16161), (90, 16164), (92, 16173), (104, 16209), (122, 16260), (148, 16332), (171, 16404), (212, 16524), (214, 16527), (225, 16596), (231, 16641), (256, 16734), (262, 16743), (268, 16761), (278, 16788), (294, 16851), (298, 16863), (306, 16896), (310, 16914), (323, 16980), (324, 16983), (326, 16989), (330, 17004), (333, 17013), (335,

17025), (337, 17034), (354, 17127), (381, 17244), (382, 17247), (386, 17274), (388, 17286), (401, 17340), (407, 17361), (422, 17427), (427, 17454), (468, 17559), (483, 17607), (504, 17652), (520, 17700), (530, 17742), (534, 17751), (547, 17781), (549, 17784), (555, 17796), (573, 17853), (575, 17859), (589, 17880), (590, 17883), (666, 18021), (671, 18033), (691, 18093), (713, 18153), (722, 18183), (723, 18186), (725, 18195), (749, 18288), (767, 18378), (789, 18444), (793, 18456), (814, 18498), (835, 18561), (852, 18618), (865, 18687), (874, 18723), (887, 18804), (916, 18939),

Gene: StarStuff_29 Start: 16508, Stop: 19021, Start Num: 130
Candidate Starts for StarStuff_29:
(Start: 130 @16508 has 101 MA's), (198, 16688), (199, 16691), (278, 16937), (293, 16997), (298, 17012), (305, 17042), (306, 17045), (323, 17129), (330, 17153), (336, 17177), (340, 17204), (341, 17207), (381, 17393), (385, 17420), (388, 17435), (401, 17489), (407, 17510), (422, 17576), (426, 17594), (427, 17603), (462, 17702), (474, 17735), (478, 17744), (504, 17801), (511, 17816), (542, 17921), (590, 18032), (604, 18044), (605, 18050), (614, 18083), (677, 18203), (722, 18332), (726, 18347), (734, 18377), (739, 18389), (746, 18425), (775, 18539), (795, 18551), (817, 18593), (882, 18800), (885, 18818), (886, 18821), (924, 19007),

Gene: Stasia_26 Start: 16324, Stop: 18924, Start Num: 95
Candidate Starts for Stasia_26:
(Start: 95 @16324 has 129 MA's), (Start: 153 @16465 has 23 MA's), (248, 16729), (255, 16759), (267, 16789), (272, 16804), (284, 16858), (290, 16876), (298, 16903), (313, 16966), (337, 17074), (478, 17494), (490, 17518), (519, 17563), (521, 17572), (639, 17848), (681, 17962), (697, 18013), (713, 18061), (723, 18094), (731, 18127), (737, 18145), (767, 18292), (774, 18310), (822, 18436), (851, 18526), (869, 18619), (881, 18691), (883, 18700), (888, 18724), (895, 18760), (897, 18769), (902, 18805), (916, 18856), (921, 18904),

Gene: SteMason_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for SteMason_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Steamy_27 Start: 17182, Stop: 20196, Start Num: 33
Candidate Starts for Steamy_27:
(25, 17137), (Start: 33 @17182 has 5 MA's), (56, 17305), (Start: 66 @17359 has 43 MA's), (67, 17362), (69, 17371), (106, 17506), (112, 17527), (143, 17602), (166, 17674), (178, 17716), (212, 17812), (214, 17815), (236, 17941), (258, 18028), (266, 18046), (267, 18049), (293, 18139), (294, 18142), (298, 18154), (305, 18184), (310, 18205), (324, 18274), (337, 18325), (340, 18346), (355, 18427), (375, 18496), (381, 18535), (388, 18577), (394, 18595), (401, 18631), (407, 18652), (422, 18718), (424, 18727), (426, 18736), (427, 18745), (441, 18790), (454, 18820), (471, 18868), (504, 18943), (520, 18991), (542, 19063), (563, 19108), (567, 19123), (573, 19144), (589, 19171), (607, 19195), (610, 19204), (671, 19324), (691, 19384), (700, 19411), (722, 19474), (734, 19519), (757, 19615), (772, 19669), (803, 19720), (810, 19744), (814, 19753), (844, 19816), (868, 19906), (869, 19909), (886, 19993), (917, 20134),

Gene: StepMih_27 Start: 15972, Stop: 18998, Start Num: 48
Candidate Starts for StepMih_27:
(40, 15918), (Start: 48 @15972 has 89 MA's), (71, 16086), (88, 16152), (90, 16155), (92, 16164), (104, 16200), (122, 16251), (148, 16323), (171, 16395), (212, 16515), (214, 16518), (225, 16587), (231, 16632), (256, 16725), (262, 16734), (268, 16752), (278, 16779), (294, 16842), (298, 16854), (306,

16887), (310, 16905), (323, 16971), (324, 16974), (326, 16980), (330, 16995), (333, 17004), (335, 17016), (337, 17025), (354, 17118), (381, 17235), (382, 17238), (386, 17265), (388, 17277), (401, 17331), (407, 17352), (422, 17418), (427, 17445), (468, 17550), (483, 17598), (504, 17643), (520, 17691), (530, 17733), (534, 17742), (547, 17772), (549, 17775), (555, 17787), (573, 17844), (575, 17850), (589, 17871), (590, 17874), (666, 18012), (671, 18024), (691, 18084), (713, 18144), (722, 18174), (723, 18177), (725, 18186), (749, 18279), (767, 18369), (789, 18435), (793, 18447), (814, 18489), (835, 18552), (852, 18609), (865, 18678), (874, 18714), (887, 18795), (916, 18930),

Gene: Stephig9_22 Start: 14527, Stop: 17604, Start Num: 12
Candidate Starts for Stephig9_22:
(Start: 12 @14527 has 13 MA's), (16, 14611), (32, 14779), (36, 14803), (53, 14851), (82, 14971), (102, 15043), (158, 15193), (159, 15196), (162, 15202), (248, 15388), (267, 15448), (269, 15454), (288, 15520), (296, 15547), (299, 15562), (312, 15613), (313, 15616), (319, 15649), (326, 15682), (364, 15850), (418, 16033), (425, 16057), (445, 16105), (457, 16126), (458, 16129), (527, 16273), (548, 16330), (561, 16360), (574, 16399), (606, 16471), (614, 16501), (662, 16600), (674, 16630), (690, 16675), (701, 16708), (749, 16873), (753, 16894), (756, 16906), (777, 16987), (789, 17014), (813, 17077), (822, 17101), (832, 17131), (842, 17164), (850, 17197), (863, 17257), (868, 17284), (886, 17383), (887, 17389), (904, 17479), (912, 17500), (918, 17539), (925, 17587),

Gene: StewieG_23 Start: 16171, Stop: 18642, Start Num: 135
Candidate Starts for StewieG_23:
(Start: 135 @16171 has 221 MA's), (Start: 150 @16210 has 5 MA's), (171, 16273), (182, 16303), (188, 16324), (196, 16345), (233, 16375), (240, 16399), (260, 16465), (313, 16663), (319, 16696), (335, 16762), (396, 17017), (407, 17038), (414, 17065), (492, 17224), (519, 17260), (566, 17353), (572, 17374), (597, 17431), (637, 17551), (652, 17587), (667, 17617), (681, 17653), (705, 17719), (713, 17740), (749, 17881), (786, 18022), (797, 18043), (841, 18178), (875, 18355), (895, 18466), (907, 18532), (911, 18553), (918, 18592), (920, 18607),

Gene: Stink_26 Start: 16165, Stop: 18765, Start Num: 95
Candidate Starts for Stink_26:
(Start: 95 @16165 has 129 MA's), (Start: 174 @16348 has 1 MA's), (230, 16507), (243, 16555), (290, 16717), (295, 16735), (313, 16807), (337, 16915), (352, 16999), (423, 17248), (478, 17335), (490, 17359), (519, 17404), (569, 17515), (571, 17521), (628, 17653), (639, 17689), (649, 17710), (661, 17737), (679, 17794), (697, 17854), (731, 17968), (767, 18133), (774, 18151), (799, 18220), (822, 18277), (870, 18466), (881, 18532), (883, 18541), (895, 18601), (897, 18610), (902, 18646), (909, 18664), (916, 18697), (921, 18745),

Gene: StrongArm_23 Start: 17348, Stop: 19819, Start Num: 135
Candidate Starts for StrongArm_23:
(Start: 135 @17348 has 221 MA's), (Start: 150 @17387 has 5 MA's), (171, 17450), (182, 17480), (188, 17501), (196, 17522), (202, 17534), (233, 17552), (240, 17576), (246, 17597), (260, 17642), (313, 17840), (319, 17873), (335, 17939), (396, 18194), (407, 18215), (414, 18242), (492, 18401), (519, 18437), (566, 18530), (572, 18551), (597, 18608), (637, 18728), (652, 18764), (667, 18794), (681, 18830), (705, 18896), (713, 18917), (749, 19058), (786, 19199), (797, 19220), (841, 19355), (875, 19532), (895, 19643), (911, 19730), (918, 19769), (921, 19799),

Gene: Strosahl_28 Start: 15884, Stop: 18073, Start Num: 156
Candidate Starts for Strosahl_28:
(Start: 95 @15707 has 129 MA's), (Start: 99 @15716 has 4 MA's), (Start: 156 @15884 has 18 MA's), (267, 16127), (269, 16133), (289, 16202), (304, 16259), (337, 16403), (344, 16445), (353, 16493), (354, 16496), (384, 16607), (387, 16625), (425, 16730), (445, 16778), (515, 16883), (541, 16943), (569, 16997), (592, 17033), (599, 17057), (602, 17066), (624, 17129), (636, 17150), (640, 17165), (654, 17189), (659, 17201), (689, 17255), (695, 17276), (709, 17306), (771, 17477), (777, 17498),

(813, 17582), (887, 17885), (916, 18008), (917, 18020),

Gene: Sultana_25 Start: 15886, Stop: 18486, Start Num: 95
Candidate Starts for Sultana_25:
(Start: 95 @15886 has 129 MA's), (Start: 153 @16027 has 23 MA's), (Start: 163 @16045 has 10 MA's), (238, 16252), (248, 16291), (255, 16321), (290, 16438), (298, 16465), (313, 16528), (326, 16591), (337, 16636), (344, 16678), (362, 16762), (460, 17029), (490, 17080), (519, 17125), (554, 17203), (569, 17236), (571, 17242), (581, 17263), (639, 17410), (649, 17431), (659, 17455), (680, 17521), (697, 17575), (713, 17623), (731, 17689), (767, 17854), (774, 17872), (822, 17998), (880, 18250), (881, 18253), (883, 18262), (895, 18322), (916, 18418), (921, 18466),

Gene: Sumter_23 Start: 15910, Stop: 18390, Start Num: 135
Candidate Starts for Sumter_23:
(Start: 135 @15910 has 221 MA's), (Start: 150 @15949 has 5 MA's), (171, 16012), (182, 16042), (196, 16084), (284, 16291), (290, 16309), (313, 16399), (326, 16462), (333, 16486), (335, 16498), (344, 16549), (483, 16933), (538, 17035), (558, 17074), (569, 17101), (579, 17125), (667, 17353), (705, 17455), (713, 17476), (718, 17488), (725, 17518), (749, 17617), (762, 17680), (834, 17899), (843, 17932), (895, 18214), (911, 18301), (918, 18340), (920, 18355),

Gene: Sunhee_25 Start: 15794, Stop: 18205, Start Num: 145
Candidate Starts for Sunhee_25:
(Start: 145 @15794 has 7 MA's), (Start: 150 @15812 has 5 MA's), (160, 15845), (201, 15947), (217, 15989), (238, 16043), (272, 16157), (284, 16211), (298, 16256), (313, 16319), (319, 16352), (340, 16448), (397, 16673), (469, 16832), (490, 16871), (496, 16886), (521, 16925), (576, 17051), (601, 17111), (661, 17267), (693, 17333), (702, 17357), (720, 17408), (737, 17468), (743, 17501), (753, 17546), (756, 17555), (767, 17612), (798, 17687), (803, 17699), (812, 17723), (836, 17777), (840, 17795), (874, 17936), (885, 18005), (917, 18146),

Gene: Sunshine924_23 Start: 15894, Stop: 18374, Start Num: 135
Candidate Starts for Sunshine924_23:
(Start: 135 @15894 has 221 MA's), (Start: 150 @15933 has 5 MA's), (171, 15996), (182, 16026), (196, 16068), (284, 16275), (290, 16293), (313, 16383), (326, 16446), (333, 16470), (335, 16482), (344, 16533), (483, 16917), (538, 17019), (558, 17058), (569, 17085), (579, 17109), (625, 17238), (667, 17337), (705, 17439), (713, 17460), (718, 17472), (725, 17502), (749, 17601), (762, 17664), (834, 17883), (843, 17916), (895, 18198), (911, 18285), (918, 18324), (920, 18339),

Gene: SuperAwesome_29 Start: 16728, Stop: 18932, Start Num: 93
Candidate Starts for SuperAwesome_29:
(41, 16569), (77, 16683), (Start: 93 @16728 has 49 MA's), (Start: 145 @16839 has 7 MA's), (147, 16845), (182, 16953), (196, 16995), (243, 17061), (273, 17154), (282, 17181), (313, 17304), (319, 17337), (339, 17427), (352, 17496), (425, 17739), (531, 17877), (623, 17997), (721, 18150), (749, 18213), (758, 18255), (789, 18354), (797, 18375), (804, 18396), (813, 18417), (830, 18468), (834, 18480), (840, 18495), (857, 18576), (873, 18654),

Gene: SuperCallie99_29 Start: 16727, Stop: 18931, Start Num: 93
Candidate Starts for SuperCallie99_29:
(41, 16568), (77, 16682), (Start: 93 @16727 has 49 MA's), (Start: 145 @16838 has 7 MA's), (147, 16844), (182, 16952), (196, 16994), (261, 17117), (273, 17153), (282, 17180), (313, 17303), (319, 17336), (339, 17426), (352, 17495), (425, 17738), (531, 17876), (623, 17996), (721, 18149), (749, 18212), (758, 18254), (789, 18353), (797, 18374), (804, 18395), (813, 18416), (830, 18467), (834, 18479), (840, 18494), (857, 18575), (873, 18653),

Gene: Superchunk_25 Start: 15270, Stop: 17795, Start Num: 127

Candidate Starts for Superchunk_25:
(Start: 127 @15270 has 6 MA's), (134, 15288), (173, 15393), (197, 15459), (198, 15462), (199, 15465), (236, 15585), (262, 15666), (278, 15711), (298, 15786), (309, 15828), (319, 15882), (323, 15903), (333, 15936), (337, 15957), (340, 15978), (341, 15981), (381, 16167), (385, 16194), (388, 16209), (401, 16263), (407, 16284), (422, 16350), (504, 16575), (511, 16590), (516, 16617), (518, 16620), (542, 16695), (555, 16719), (557, 16722), (563, 16740), (589, 16803), (590, 16806), (611, 16845), (614, 16857), (666, 16944), (671, 16956), (691, 17016), (692, 17019), (701, 17043), (711, 17073), (722, 17106), (757, 17247), (775, 17313), (821, 17376), (882, 17574), (886, 17595), (899, 17670), (913, 17706), (923, 17781),

Gene: SweetiePie_26 Start: 16547, Stop: 19084, Start Num: 130
Candidate Starts for SweetiePie_26:
(Start: 130 @16547 has 101 MA's), (197, 16724), (198, 16727), (199, 16730), (211, 16760), (249, 16898), (253, 16919), (256, 16928), (266, 16949), (278, 16982), (293, 17042), (298, 17057), (310, 17108), (320, 17156), (323, 17174), (333, 17207), (335, 17219), (336, 17222), (337, 17228), (340, 17249), (341, 17252), (358, 17339), (381, 17438), (388, 17480), (391, 17489), (394, 17498), (404, 17546), (407, 17555), (422, 17621), (432, 17660), (504, 17846), (511, 17861), (520, 17894), (534, 17945), (542, 17966), (550, 17981), (555, 17990), (560, 18005), (589, 18074), (671, 18227), (677, 18248), (722, 18377), (734, 18422), (739, 18434), (746, 18470), (821, 18650), (826, 18659), (866, 18770), (873, 18800), (886, 18884),

Gene: SwirlSquare_27 Start: 15443, Stop: 17965, Start Num: 127
Candidate Starts for SwirlSquare_27:
(Start: 127 @15443 has 6 MA's), (134, 15461), (173, 15566), (198, 15635), (199, 15638), (253, 15821), (278, 15884), (285, 15917), (298, 15959), (323, 16076), (333, 16109), (336, 16124), (337, 16130), (340, 16151), (341, 16154), (381, 16340), (385, 16367), (388, 16382), (401, 16436), (407, 16457), (422, 16523), (504, 16748), (511, 16763), (520, 16796), (539, 16859), (542, 16868), (555, 16892), (557, 16895), (563, 16913), (573, 16949), (589, 16976), (590, 16979), (611, 17018), (614, 17030), (615, 17033), (666, 17117), (691, 17189), (701, 17216), (711, 17246), (722, 17279), (746, 17372), (775, 17486), (821, 17549), (882, 17747), (886, 17768), (899, 17843),

Gene: Swirley_22 Start: 15214, Stop: 18558, Start Num: 1
Candidate Starts for Swirley_22:
(Start: 1 @15214 has 40 MA's), (19, 15652), (Start: 95 @15964 has 129 MA's), (118, 16042), (131, 16072), (152, 16129), (179, 16213), (202, 16276), (204, 16282), (267, 16402), (293, 16492), (294, 16495), (313, 16570), (322, 16615), (326, 16633), (329, 16645), (337, 16678), (340, 16699), (385, 16891), (435, 17029), (458, 17077), (499, 17155), (502, 17158), (537, 17254), (548, 17281), (565, 17317), (568, 17329), (593, 17386), (672, 17578), (680, 17608), (690, 17632), (693, 17644), (716, 17707), (749, 17830), (753, 17851), (758, 17872), (781, 17950), (789, 17971), (804, 18013), (813, 18034), (842, 18121), (849, 18151), (863, 18214), (866, 18232), (880, 18313), (883, 18325), (885, 18337), (887, 18346), (898, 18400), (915, 18484), (919, 18523),

Gene: SwissCheese_24 Start: 16366, Stop: 18837, Start Num: 135
Candidate Starts for SwissCheese_24:
(Start: 135 @16366 has 221 MA's), (Start: 150 @16405 has 5 MA's), (171, 16468), (182, 16498), (188, 16519), (196, 16540), (202, 16552), (233, 16570), (260, 16660), (313, 16858), (319, 16891), (335, 16957), (396, 17212), (407, 17233), (414, 17260), (492, 17419), (519, 17455), (566, 17548), (572, 17569), (597, 17626), (637, 17746), (652, 17782), (667, 17812), (681, 17848), (705, 17914), (713, 17935), (749, 18076), (786, 18217), (797, 18238), (841, 18373), (875, 18550), (895, 18661), (902, 18703), (911, 18748), (918, 18787),

Gene: Switzer_25 Start: 16505, Stop: 18973, Start Num: 135
Candidate Starts for Switzer_25:

(Start: 135 @16505 has 221 MA's), (Start: 144 @16520 has 1 MA's), (182, 16634), (188, 16655), (196, 16676), (233, 16706), (240, 16730), (246, 16751), (260, 16796), (313, 16994), (319, 17027), (335, 17093), (396, 17348), (407, 17369), (414, 17396), (492, 17555), (519, 17591), (566, 17684), (572, 17705), (579, 17720), (588, 17741), (591, 17744), (611, 17813), (625, 17849), (637, 17882), (652, 17918), (667, 17948), (681, 17984), (705, 18050), (713, 18071), (725, 18113), (749, 18212), (786, 18353), (797, 18374), (841, 18509), (875, 18686), (895, 18797), (911, 18884), (918, 18923), (921, 18953),

Gene: Switzerland_28 Start: 16038, Stop: 18224, Start Num: 156
Candidate Starts for Switzerland_28:
(Start: 95 @15861 has 129 MA's), (Start: 99 @15870 has 4 MA's), (Start: 156 @16038 has 18 MA's), (267, 16278), (269, 16284), (289, 16353), (304, 16410), (337, 16554), (344, 16596), (353, 16644), (354, 16647), (384, 16758), (387, 16776), (425, 16881), (445, 16929), (515, 17034), (541, 17094), (569, 17148), (592, 17184), (599, 17208), (602, 17217), (624, 17280), (636, 17301), (640, 17316), (654, 17340), (659, 17352), (689, 17406), (695, 17427), (709, 17457), (771, 17628), (777, 17649), (813, 17733), (887, 18036), (916, 18159), (917, 18171),

Gene: Swole_26 Start: 16832, Stop: 19303, Start Num: 135
Candidate Starts for Swole_26:
(Start: 135 @16832 has 221 MA's), (Start: 150 @16871 has 5 MA's), (171, 16934), (182, 16964), (188, 16985), (196, 17006), (202, 17018), (233, 17036), (260, 17126), (313, 17324), (319, 17357), (335, 17423), (396, 17678), (407, 17699), (414, 17726), (492, 17885), (519, 17921), (566, 18014), (572, 18035), (597, 18092), (637, 18212), (652, 18248), (667, 18278), (681, 18314), (705, 18380), (713, 18401), (749, 18542), (786, 18683), (797, 18704), (841, 18839), (875, 19016), (895, 19127), (907, 19193), (911, 19214), (918, 19253), (920, 19268),

Gene: SydNat_22 Start: 15349, Stop: 18762, Start Num: 1
Candidate Starts for SydNat_22:
(Start: 1 @15349 has 40 MA's), (4, 15409), (8, 15562), (11, 15601), (19, 15787), (59, 16015), (62, 16027), (65, 16039), (Start: 95 @16171 has 129 MA's), (118, 16249), (131, 16279), (152, 16336), (202, 16483), (204, 16489), (206, 16495), (269, 16621), (273, 16633), (313, 16783), (320, 16819), (326, 16849), (330, 16864), (337, 16894), (338, 16906), (343, 16930), (356, 16999), (379, 17065), (425, 17221), (457, 17290), (458, 17293), (472, 17320), (485, 17344), (543, 17482), (556, 17503), (572, 17548), (593, 17590), (672, 17782), (680, 17812), (690, 17836), (693, 17848), (699, 17869), (716, 17911), (740, 17998), (749, 18034), (753, 18055), (758, 18076), (781, 18154), (789, 18175), (797, 18196), (804, 18217), (813, 18238), (822, 18262), (842, 18325), (863, 18418), (866, 18436), (880, 18517), (883, 18529), (885, 18541), (887, 18550), (898, 18604), (915, 18688), (916, 18697),

Gene: TNguyen7_25 Start: 15465, Stop: 18500, Start Num: 47
Candidate Starts for TNguyen7_25:
(Start: 47 @15465 has 37 MA's), (87, 15639), (90, 15651), (Start: 99 @15684 has 4 MA's), (171, 15894), (212, 16014), (214, 16017), (256, 16221), (266, 16242), (277, 16272), (278, 16275), (294, 16338), (298, 16350), (306, 16383), (310, 16401), (324, 16470), (326, 16476), (330, 16491), (333, 16500), (335, 16512), (337, 16521), (354, 16614), (381, 16731), (382, 16734), (385, 16758), (386, 16761), (388, 16773), (401, 16827), (407, 16848), (412, 16869), (422, 16914), (427, 16941), (432, 16953), (483, 17094), (504, 17139), (511, 17154), (530, 17229), (534, 17238), (547, 17268), (555, 17283), (557, 17286), (563, 17304), (568, 17325), (569, 17328), (589, 17367), (590, 17370), (633, 17454), (671, 17520), (677, 17541), (691, 17580), (707, 17619), (713, 17640), (722, 17670), (723, 17673), (725, 17682), (730, 17706), (749, 17775), (753, 17796), (767, 17865), (774, 17883), (789, 17931), (793, 17943), (814, 17985), (818, 17997), (833, 18045), (874, 18216), (877, 18246), (883, 18276), (887, 18297), (916, 18432), (921, 18480),

Gene: Taquarus_25 Start: 15888, Stop: 18488, Start Num: 95

Candidate Starts for Taquarus_25:
(Start: 95 @15888 has 129 MA's), (Start: 153 @16029 has 23 MA's), (Start: 163 @16047 has 10 MA's), (238, 16254), (248, 16293), (255, 16323), (290, 16440), (298, 16467), (313, 16530), (326, 16593), (337, 16638), (344, 16680), (362, 16764), (460, 17031), (490, 17082), (519, 17127), (554, 17205), (571, 17244), (639, 17412), (649, 17433), (659, 17457), (680, 17523), (697, 17577), (713, 17625), (731, 17691), (767, 17856), (774, 17874), (822, 18000), (880, 18252), (881, 18255), (883, 18264), (895, 18324), (916, 18420), (921, 18468),

Gene: Target_26 Start: 17225, Stop: 19837, Start Num: 135
Candidate Starts for Target_26:
(132, 17213), (Start: 135 @17225 has 221 MA's), (Start: 150 @17264 has 5 MA's), (171, 17327), (Start: 174 @17333 has 1 MA's), (182, 17357), (196, 17399), (216, 17450), (284, 17738), (290, 17756), (313, 17846), (326, 17909), (333, 17933), (335, 17945), (344, 17996), (483, 18380), (538, 18482), (558, 18521), (566, 18536), (569, 18548), (579, 18572), (667, 18800), (705, 18902), (713, 18923), (725, 18965), (749, 19064), (762, 19127), (834, 19346), (843, 19379), (895, 19661), (911, 19748), (918, 19787),

Gene: TarsusIV_26 Start: 16638, Stop: 19166, Start Num: 130
Candidate Starts for TarsusIV_26:
(Start: 130 @16638 has 101 MA's), (147, 16677), (149, 16683), (176, 16764), (182, 16779), (198, 16818), (219, 16863), (249, 16989), (253, 17010), (256, 17019), (266, 17040), (278, 17073), (298, 17148), (308, 17187), (309, 17190), (310, 17199), (314, 17220), (318, 17235), (320, 17247), (323, 17265), (333, 17298), (337, 17319), (340, 17340), (341, 17343), (381, 17529), (388, 17571), (391, 17580), (401, 17625), (407, 17646), (422, 17712), (432, 17751), (468, 17844), (504, 17937), (509, 17949), (555, 18081), (567, 18117), (575, 18144), (589, 18165), (590, 18168), (671, 18318), (677, 18339), (722, 18468), (726, 18483), (728, 18501), (746, 18561), (757, 18609), (809, 18714), (826, 18747), (846, 18771), (873, 18888), (886, 18966), (918, 19113),

Gene: Tarynearal_21 Start: 15242, Stop: 18580, Start Num: 1
Candidate Starts for Tarynearal_21:
(Start: 1 @15242 has 40 MA's), (19, 15680), (Start: 95 @15992 has 129 MA's), (118, 16070), (131, 16100), (152, 16157), (179, 16241), (202, 16304), (204, 16310), (267, 16430), (293, 16520), (294, 16523), (313, 16598), (322, 16643), (326, 16661), (337, 16706), (340, 16727), (385, 16919), (435, 17057), (458, 17105), (499, 17183), (548, 17309), (556, 17321), (565, 17345), (593, 17408), (672, 17600), (680, 17630), (690, 17654), (693, 17666), (716, 17729), (749, 17852), (753, 17873), (758, 17894), (781, 17972), (789, 17993), (804, 18035), (813, 18056), (842, 18143), (849, 18173), (863, 18236), (866, 18254), (880, 18335), (883, 18347), (885, 18359), (887, 18368), (898, 18422), (915, 18506), (919, 18545),

Gene: Tasp14_25 Start: 16593, Stop: 19064, Start Num: 135
Candidate Starts for Tasp14_25:
(Start: 135 @16593 has 221 MA's), (Start: 150 @16632 has 5 MA's), (171, 16695), (182, 16725), (188, 16746), (196, 16767), (233, 16797), (240, 16821), (260, 16887), (313, 17085), (319, 17118), (335, 17184), (396, 17439), (407, 17460), (414, 17487), (492, 17646), (519, 17682), (566, 17775), (572, 17796), (597, 17853), (637, 17973), (652, 18009), (667, 18039), (681, 18075), (705, 18141), (713, 18162), (749, 18303), (786, 18444), (797, 18465), (841, 18600), (875, 18777), (895, 18888), (907, 18954), (911, 18975), (918, 19014), (921, 19044),

Gene: Taurus_27 Start: 15978, Stop: 19004, Start Num: 48
Candidate Starts for Taurus_27:
(40, 15924), (Start: 48 @15978 has 89 MA's), (71, 16092), (88, 16158), (90, 16161), (92, 16170), (104, 16206), (122, 16257), (148, 16329), (171, 16401), (212, 16521), (214, 16524), (225, 16593), (231, 16638), (256, 16731), (262, 16740), (268, 16758), (278, 16785), (294, 16848), (298, 16860), (306,

16893), (310, 16911), (323, 16977), (324, 16980), (326, 16986), (330, 17001), (333, 17010), (335, 17022), (337, 17031), (350, 17109), (354, 17124), (381, 17241), (382, 17244), (386, 17271), (388, 17283), (401, 17337), (407, 17358), (422, 17424), (432, 17463), (468, 17556), (483, 17604), (504, 17649), (520, 17697), (530, 17739), (534, 17748), (547, 17778), (549, 17781), (555, 17793), (573, 17850), (575, 17856), (589, 17877), (590, 17880), (666, 18018), (671, 18030), (691, 18090), (711, 18147), (749, 18285), (753, 18306), (757, 18330), (767, 18375), (774, 18393), (789, 18441), (793, 18453), (814, 18495), (835, 18558), (852, 18615), (865, 18684), (874, 18720), (887, 18801), (916, 18936),

Gene: Temprado_29 Start: 16733, Stop: 18937, Start Num: 93
Candidate Starts for Temprado_29:
(41, 16574), (77, 16688), (Start: 93 @16733 has 49 MA's), (Start: 145 @16844 has 7 MA's), (196, 17000), (269, 17147), (273, 17159), (313, 17309), (319, 17342), (339, 17432), (352, 17501), (425, 17744), (531, 17882), (623, 18002), (721, 18155), (749, 18218), (758, 18260), (789, 18359), (797, 18380), (804, 18401), (813, 18422), (830, 18473), (834, 18485), (840, 18500), (857, 18581), (873, 18659),

Gene: Teodoridan_22 Start: 15736, Stop: 18207, Start Num: 135
Candidate Starts for Teodoridan_22:
(Start: 135 @15736 has 221 MA's), (Start: 150 @15775 has 5 MA's), (171, 15838), (182, 15868), (188, 15889), (196, 15910), (202, 15922), (233, 15940), (260, 16030), (313, 16228), (319, 16261), (335, 16327), (396, 16582), (407, 16603), (414, 16630), (492, 16789), (519, 16825), (566, 16918), (572, 16939), (597, 16996), (637, 17116), (652, 17152), (667, 17182), (681, 17218), (705, 17284), (713, 17305), (749, 17446), (786, 17587), (797, 17608), (841, 17743), (875, 17920), (895, 18031), (911, 18118), (918, 18157), (920, 18172),

Gene: Terrific_28 Start: 17127, Stop: 19634, Start Num: 130
Candidate Starts for Terrific_28:
(Start: 130 @17127 has 101 MA's), (173, 17238), (193, 17295), (253, 17481), (278, 17544), (285, 17577), (287, 17583), (330, 17763), (333, 17772), (337, 17793), (340, 17814), (341, 17817), (344, 17835), (355, 17895), (381, 18003), (388, 18045), (401, 18099), (407, 18120), (421, 18183), (422, 18186), (426, 18204), (432, 18225), (504, 18411), (511, 18426), (516, 18453), (534, 18510), (540, 18525), (542, 18531), (547, 18540), (550, 18546), (563, 18576), (568, 18597), (590, 18642), (601, 18648), (611, 18681), (620, 18708), (666, 18780), (671, 18792), (691, 18852), (701, 18879), (722, 18942), (734, 18987), (739, 18999), (746, 19035), (756, 19071), (761, 19104), (803, 19167), (814, 19191), (868, 19335), (886, 19434), (901, 19521), (924, 19620),

Gene: Texage_25 Start: 16044, Stop: 19082, Start Num: 47
Candidate Starts for Texage_25:
(Start: 47 @16044 has 37 MA's), (87, 16218), (90, 16230), (Start: 99 @16263 has 4 MA's), (171, 16470), (177, 16491), (212, 16590), (214, 16593), (256, 16803), (266, 16824), (278, 16857), (294, 16920), (298, 16932), (306, 16965), (310, 16983), (314, 17004), (324, 17052), (326, 17058), (330, 17073), (333, 17082), (335, 17094), (337, 17103), (354, 17196), (381, 17313), (382, 17316), (386, 17343), (388, 17355), (401, 17409), (407, 17430), (422, 17496), (432, 17535), (483, 17676), (504, 17721), (530, 17811), (534, 17820), (547, 17850), (568, 17907), (573, 17922), (589, 17949), (590, 17952), (605, 17970), (655, 18081), (691, 18162), (711, 18219), (724, 18261), (749, 18357), (753, 18378), (757, 18402), (767, 18447), (774, 18465), (789, 18513), (793, 18525), (814, 18567), (818, 18579), (833, 18627), (874, 18798), (883, 18858), (885, 18870), (892, 18897), (895, 18918), (916, 19014), (921, 19062),

Gene: Thanksgivukkah_25 Start: 15889, Stop: 18489, Start Num: 95
Candidate Starts for Thanksgivukkah_25:

(Start: 95 @15889 has 129 MA's), (Start: 153 @16030 has 23 MA's), (Start: 163 @16048 has 10 MA's), (238, 16255), (248, 16294), (255, 16324), (290, 16441), (298, 16468), (313, 16531), (326, 16594), (337, 16639), (344, 16681), (362, 16765), (460, 17032), (490, 17083), (519, 17128), (554, 17206), (569, 17239), (571, 17245), (581, 17266), (639, 17413), (649, 17434), (659, 17458), (680, 17524), (697, 17578), (713, 17626), (731, 17692), (767, 17857), (774, 17875), (822, 18001), (880, 18253), (881, 18256), (883, 18265), (895, 18325), (916, 18421), (921, 18469),

Gene: Theia_20 Start: 15180, Stop: 18518, Start Num: 1
Candidate Starts for Theia_20:
(Start: 1 @15180 has 40 MA's), (19, 15618), (Start: 95 @15930 has 129 MA's), (108, 15972), (118, 16008), (131, 16038), (152, 16095), (179, 16179), (202, 16242), (204, 16248), (261, 16350), (267, 16368), (294, 16461), (313, 16536), (322, 16581), (326, 16599), (337, 16644), (340, 16665), (385, 16857), (412, 16917), (435, 16995), (458, 17043), (499, 17121), (548, 17247), (556, 17259), (565, 17283), (593, 17346), (672, 17538), (680, 17568), (690, 17592), (693, 17604), (716, 17667), (749, 17790), (753, 17811), (758, 17832), (781, 17910), (789, 17931), (804, 17973), (813, 17994), (825, 18030), (842, 18081), (849, 18111), (863, 18174), (866, 18192), (880, 18273), (883, 18285), (885, 18297), (887, 18306), (898, 18360), (915, 18444), (919, 18483),

Gene: TheloniousMonk_26 Start: 17647, Stop: 20478, Start Num: 137
Candidate Starts for TheloniousMonk_26:
(Start: 137 @17647 has 9 MA's), (Start: 144 @17662 has 1 MA's), (159, 17716), (257, 17959), (262, 17974), (276, 18019), (303, 18139), (307, 18157), (315, 18205), (323, 18250), (335, 18295), (336, 18298), (344, 18346), (385, 18529), (392, 18556), (412, 18640), (425, 18697), (431, 18715), (443, 18760), (455, 18796), (465, 18856), (479, 18904), (503, 18967), (505, 18970), (538, 19087), (556, 19123), (566, 19150), (569, 19162), (575, 19180), (583, 19195), (604, 19258), (645, 19387), (664, 19432), (674, 19465), (678, 19477), (745, 19702), (766, 19789), (767, 19792), (774, 19810), (841, 20014), (875, 20191), (895, 20302), (911, 20389), (918, 20428), (920, 20443),

Gene: Thor_24 Start: 16468, Stop: 18939, Start Num: 135
Candidate Starts for Thor_24:
(Start: 135 @16468 has 221 MA's), (Start: 150 @16507 has 5 MA's), (171, 16570), (182, 16600), (188, 16621), (196, 16642), (233, 16672), (240, 16696), (246, 16717), (260, 16762), (313, 16960), (319, 16993), (335, 17059), (396, 17314), (407, 17335), (414, 17362), (416, 17377), (423, 17401), (478, 17488), (492, 17521), (519, 17557), (566, 17650), (572, 17671), (579, 17686), (588, 17707), (591, 17710), (611, 17779), (625, 17815), (637, 17848), (652, 17884), (667, 17914), (681, 17950), (705, 18016), (713, 18037), (749, 18178), (786, 18319), (797, 18340), (841, 18475), (861, 18571), (875, 18652), (895, 18763), (911, 18850), (918, 18889), (920, 18904),

Gene: Tiffany_27 Start: 15873, Stop: 18899, Start Num: 48
Candidate Starts for Tiffany_27:
(40, 15819), (Start: 48 @15873 has 89 MA's), (71, 15987), (88, 16053), (90, 16056), (92, 16065), (104, 16101), (122, 16152), (148, 16224), (171, 16296), (212, 16416), (214, 16419), (225, 16488), (231, 16533), (256, 16626), (262, 16635), (268, 16653), (278, 16680), (294, 16743), (298, 16755), (306, 16788), (310, 16806), (323, 16872), (324, 16875), (326, 16881), (330, 16896), (333, 16905), (335, 16917), (337, 16926), (350, 17004), (354, 17019), (381, 17136), (382, 17139), (386, 17166), (388, 17178), (401, 17232), (407, 17253), (422, 17319), (432, 17358), (468, 17451), (483, 17499), (504, 17544), (520, 17592), (530, 17634), (534, 17643), (547, 17673), (549, 17676), (555, 17688), (573, 17745), (575, 17751), (589, 17772), (590, 17775), (666, 17913), (671, 17925), (691, 17985), (711, 18042), (749, 18180), (753, 18201), (757, 18225), (767, 18270), (774, 18288), (789, 18336), (793, 18348), (814, 18390), (835, 18453), (852, 18510), (865, 18579), (874, 18615), (887, 18696), (916, 18831),

Gene: Tiger_22 Start: 15067, Stop: 18402, Start Num: 1

Candidate Starts for Tiger_22:
(Start: 1 @15067 has 40 MA's), (19, 15505), (Start: 95 @15817 has 129 MA's), (118, 15895), (131, 15925), (152, 15982), (179, 16066), (202, 16129), (204, 16135), (267, 16255), (293, 16345), (294, 16348), (313, 16423), (326, 16486), (337, 16531), (340, 16552), (385, 16744), (423, 16849), (435, 16882), (458, 16930), (499, 17008), (502, 17011), (537, 17107), (548, 17134), (565, 17170), (593, 17230), (672, 17422), (680, 17452), (690, 17476), (693, 17488), (716, 17551), (749, 17674), (753, 17695), (758, 17716), (781, 17794), (789, 17815), (804, 17857), (813, 17878), (842, 17965), (849, 17995), (863, 18058), (866, 18076), (880, 18157), (883, 18169), (885, 18181), (887, 18190), (898, 18244), (915, 18328), (916, 18337), (919, 18367),

Gene: Timothy_26 Start: 17157, Stop: 19703, Start Num: 91
Candidate Starts for Timothy_26:
(Start: 91 @17157 has 24 MA's), (Start: 96 @17175 has 4 MA's), (Start: 156 @17349 has 18 MA's), (159, 17358), (196, 17433), (265, 17541), (270, 17556), (271, 17559), (278, 17577), (294, 17640), (298, 17652), (313, 17715), (326, 17778), (330, 17793), (333, 17802), (337, 17823), (341, 17847), (344, 17862), (364, 17949), (366, 17952), (372, 17967), (378, 17988), (380, 18000), (396, 18066), (412, 18108), (416, 18129), (418, 18138), (425, 18162), (454, 18243), (457, 18252), (462, 18264), (471, 18306), (513, 18363), (532, 18417), (577, 18525), (595, 18564), (647, 18705), (690, 18801), (695, 18822), (708, 18855), (721, 18888), (722, 18891), (748, 18975), (758, 19020), (759, 19023), (792, 19137), (804, 19170), (830, 19242), (842, 19278), (857, 19350), (873, 19428), (881, 19482), (886, 19506), (912, 19617),

Gene: Timshel_26 Start: 17496, Stop: 20864, Start Num: 22
Candidate Starts for Timshel_26:
(Start: 22 @17496 has 4 MA's), (44, 17625), (54, 17679), (63, 17721), (100, 17883), (Start: 150 @18033 has 5 MA's), (180, 18135), (221, 18270), (266, 18468), (285, 18534), (293, 18561), (294, 18564), (298, 18576), (313, 18639), (314, 18648), (319, 18672), (326, 18702), (337, 18747), (341, 18771), (374, 18915), (381, 18957), (385, 18984), (388, 18999), (398, 19038), (401, 19053), (407, 19074), (420, 19131), (422, 19140), (424, 19149), (447, 19224), (471, 19290), (506, 19368), (522, 19422), (542, 19485), (550, 19500), (563, 19530), (566, 19542), (567, 19545), (572, 19563), (575, 19572), (583, 19587), (590, 19605), (599, 19638), (605, 19656), (628, 19719), (655, 19785), (658, 19794), (660, 19797), (664, 19806), (666, 19809), (670, 19818), (671, 19827), (680, 19860), (685, 19872), (693, 19896), (701, 19926), (725, 20004), (727, 20016), (728, 20025), (730, 20028), (734, 20037), (737, 20046), (753, 20124), (757, 20148), (767, 20193), (774, 20211), (791, 20268), (796, 20286), (804, 20310), (808, 20319), (814, 20340), (822, 20361), (824, 20373), (831, 20394), (841, 20433), (849, 20466), (866, 20547), (874, 20580), (881, 20631), (885, 20652), (891, 20676), (901, 20742), (905, 20757), (906, 20763),

Gene: TinaFeyge_25 Start: 16023, Stop: 18482, Start Num: 153
Candidate Starts for TinaFeyge_25:
(Start: 95 @15882 has 129 MA's), (Start: 153 @16023 has 23 MA's), (Start: 163 @16041 has 10 MA's), (204, 16155), (238, 16248), (248, 16287), (255, 16317), (290, 16434), (298, 16461), (313, 16524), (326, 16587), (337, 16632), (344, 16674), (362, 16758), (460, 17025), (490, 17076), (519, 17121), (554, 17199), (571, 17238), (581, 17259), (639, 17406), (649, 17427), (659, 17451), (679, 17511), (680, 17517), (681, 17520), (697, 17571), (713, 17619), (731, 17685), (767, 17850), (774, 17868), (822, 17994), (880, 18246), (881, 18249), (883, 18258), (895, 18318), (916, 18414), (921, 18462),

Gene: TinyPebbles_27 Start: 16062, Stop: 19088, Start Num: 48
Candidate Starts for TinyPebbles_27:
(40, 16008), (Start: 48 @16062 has 89 MA's), (71, 16176), (88, 16242), (90, 16245), (92, 16254), (104, 16290), (122, 16341), (148, 16413), (171, 16485), (212, 16605), (214, 16608), (225, 16677), (231, 16722), (256, 16815), (262, 16824), (268, 16842), (278, 16869), (294, 16932), (298, 16944), (306,

16977), (310, 16995), (323, 17061), (324, 17064), (326, 17070), (330, 17085), (333, 17094), (335, 17106), (337, 17115), (350, 17193), (354, 17208), (381, 17325), (382, 17328), (386, 17355), (388, 17367), (401, 17421), (407, 17442), (422, 17508), (432, 17547), (468, 17640), (483, 17688), (504, 17733), (520, 17781), (530, 17823), (534, 17832), (547, 17862), (549, 17865), (555, 17877), (573, 17934), (575, 17940), (589, 17961), (590, 17964), (666, 18102), (671, 18114), (691, 18174), (711, 18231), (749, 18369), (753, 18390), (757, 18414), (767, 18459), (774, 18477), (789, 18525), (793, 18537), (814, 18579), (835, 18642), (852, 18699), (865, 18768), (874, 18804), (887, 18885), (916, 19020),

Gene: TinyTimmy_26 Start: 17200, Stop: 19746, Start Num: 91
Candidate Starts for TinyTimmy_26:
(Start: 91 @17200 has 24 MA's), (Start: 96 @17218 has 4 MA's), (Start: 156 @17392 has 18 MA's), (159, 17401), (196, 17476), (248, 17530), (265, 17584), (270, 17599), (271, 17602), (278, 17620), (294, 17683), (298, 17695), (313, 17758), (326, 17821), (330, 17836), (333, 17845), (337, 17866), (341, 17890), (344, 17905), (364, 17992), (366, 17995), (372, 18010), (378, 18031), (380, 18043), (396, 18109), (412, 18151), (416, 18172), (418, 18181), (425, 18205), (454, 18286), (457, 18295), (462, 18307), (471, 18349), (513, 18406), (532, 18460), (577, 18568), (595, 18607), (647, 18748), (690, 18844), (695, 18865), (708, 18898), (721, 18931), (722, 18934), (748, 19018), (758, 19063), (759, 19066), (792, 19180), (804, 19213), (830, 19285), (842, 19321), (857, 19393), (873, 19471), (881, 19525), (886, 19549), (912, 19660),

Gene: Tinybot_24 Start: 16003, Stop: 18462, Start Num: 153
Candidate Starts for Tinybot_24:
(Start: 95 @15862 has 129 MA's), (Start: 153 @16003 has 23 MA's), (Start: 163 @16021 has 10 MA's), (218, 16177), (238, 16228), (248, 16267), (255, 16297), (290, 16414), (298, 16441), (313, 16504), (326, 16567), (337, 16612), (344, 16654), (362, 16738), (416, 16921), (460, 17005), (490, 17056), (519, 17101), (554, 17179), (569, 17212), (571, 17218), (619, 17332), (639, 17386), (659, 17431), (679, 17491), (697, 17551), (731, 17665), (767, 17830), (774, 17848), (822, 17974), (880, 18226), (881, 18229), (883, 18238), (894, 18295), (895, 18298), (902, 18343), (916, 18394), (921, 18442),

Gene: TipsytheTRex_25 Start: 15744, Stop: 18260, Start Num: 130
Candidate Starts for TipsytheTRex_25:
(Start: 130 @15744 has 101 MA's), (173, 15855), (197, 15921), (198, 15924), (199, 15927), (253, 16113), (256, 16122), (262, 16131), (298, 16251), (310, 16302), (321, 16359), (324, 16371), (326, 16377), (330, 16392), (335, 16413), (337, 16422), (345, 16470), (381, 16632), (386, 16662), (388, 16674), (398, 16713), (401, 16728), (407, 16749), (420, 16806), (422, 16815), (427, 16842), (462, 16941), (504, 17040), (511, 17055), (534, 17139), (542, 17160), (563, 17205), (589, 17268), (590, 17271), (611, 17310), (614, 17322), (620, 17337), (671, 17421), (691, 17481), (701, 17508), (722, 17571), (726, 17586), (734, 17616), (757, 17712), (775, 17778), (821, 17841), (881, 18036), (882, 18039), (886, 18060), (921, 18237), (924, 18246),

Gene: TiroTheta9_25 Start: 15882, Stop: 18482, Start Num: 95
Candidate Starts for TiroTheta9_25:
(Start: 95 @15882 has 129 MA's), (Start: 153 @16023 has 23 MA's), (Start: 163 @16041 has 10 MA's), (238, 16248), (248, 16287), (255, 16317), (290, 16434), (298, 16461), (313, 16524), (326, 16587), (337, 16632), (344, 16674), (362, 16758), (423, 16965), (460, 17025), (490, 17076), (519, 17121), (554, 17199), (569, 17232), (571, 17238), (639, 17406), (649, 17427), (659, 17451), (679, 17511), (680, 17517), (681, 17520), (697, 17571), (713, 17619), (731, 17685), (767, 17850), (774, 17868), (822, 17994), (880, 18246), (881, 18249), (883, 18258), (895, 18318), (916, 18414), (921, 18462),

Gene: Toaka_25 Start: 15938, Stop: 18865, Start Num: 66

Candidate Starts for Toaka_25:
(Start: 66 @15938 has 43 MA's), (69, 15950), (74, 15980), (112, 16109), (191, 16340), (212, 16394), (236, 16523), (258, 16610), (262, 16616), (264, 16622), (298, 16736), (302, 16757), (306, 16769), (310, 16787), (319, 16832), (323, 16853), (324, 16856), (330, 16877), (335, 16898), (337, 16907), (338, 16919), (339, 16922), (347, 16967), (354, 17000), (356, 17012), (381, 17117), (401, 17213), (407, 17234), (410, 17243), (412, 17255), (417, 17279), (420, 17291), (422, 17300), (424, 17309), (432, 17339), (454, 17402), (468, 17432), (474, 17459), (542, 17645), (563, 17690), (568, 17711), (573, 17726), (575, 17732), (589, 17753), (590, 17756), (615, 17810), (644, 17864), (653, 17882), (671, 17906), (691, 17966), (722, 18056), (725, 18068), (730, 18092), (734, 18101), (749, 18167), (761, 18233), (767, 18257), (814, 18377), (847, 18470), (865, 18548), (872, 18575), (874, 18584), (878, 18623), (880, 18632), (881, 18635), (899, 18734), (916, 18788), (917, 18800), (922, 18842),

Gene: Todacoro_26 Start: 16043, Stop: 19081, Start Num: 47
Candidate Starts for Todacoro_26:
(Start: 47 @16043 has 37 MA's), (87, 16217), (90, 16229), (Start: 99 @16262 has 4 MA's), (171, 16469), (177, 16490), (212, 16589), (214, 16592), (256, 16802), (262, 16811), (266, 16823), (278, 16856), (294, 16919), (298, 16931), (306, 16964), (310, 16982), (314, 17003), (324, 17051), (326, 17057), (330, 17072), (333, 17081), (335, 17093), (337, 17102), (354, 17195), (381, 17312), (382, 17315), (386, 17342), (388, 17354), (401, 17408), (407, 17429), (422, 17495), (432, 17534), (483, 17675), (504, 17720), (530, 17810), (534, 17819), (547, 17849), (568, 17906), (573, 17921), (589, 17948), (590, 17951), (605, 17969), (655, 18080), (691, 18161), (711, 18218), (724, 18260), (749, 18356), (753, 18377), (757, 18401), (767, 18446), (774, 18464), (789, 18512), (793, 18524), (814, 18566), (818, 18578), (833, 18626), (874, 18797), (883, 18857), (885, 18869), (892, 18896), (895, 18917), (916, 19013), (921, 19061),

Gene: Tomathan_29 Start: 16508, Stop: 19021, Start Num: 130
Candidate Starts for Tomathan_29:
(Start: 130 @16508 has 101 MA's), (198, 16688), (199, 16691), (278, 16937), (293, 16997), (298, 17012), (305, 17042), (306, 17045), (323, 17129), (330, 17153), (336, 17177), (340, 17204), (341, 17207), (361, 17312), (381, 17393), (385, 17420), (388, 17435), (401, 17489), (407, 17510), (422, 17576), (426, 17594), (427, 17603), (462, 17702), (474, 17735), (478, 17744), (504, 17801), (511, 17816), (542, 17921), (555, 17945), (590, 18032), (604, 18044), (605, 18050), (614, 18083), (677, 18203), (722, 18332), (726, 18347), (734, 18377), (739, 18389), (746, 18425), (775, 18539), (795, 18551), (817, 18593), (882, 18800), (885, 18818), (886, 18821), (924, 19007),

Gene: ToneTone_27 Start: 16647, Stop: 18863, Start Num: 93
Candidate Starts for ToneTone_27:
(77, 16602), (Start: 93 @16647 has 49 MA's), (Start: 145 @16758 has 7 MA's), (196, 16914), (269, 17061), (273, 17073), (312, 17220), (313, 17223), (319, 17256), (339, 17346), (352, 17415), (375, 17490), (425, 17658), (623, 17916), (656, 17961), (721, 18069), (749, 18132), (758, 18174), (789, 18273), (797, 18294), (813, 18336), (830, 18387), (840, 18414), (857, 18495), (873, 18585),

Gene: Topanga_25 Start: 16006, Stop: 18558, Start Num: 163
Candidate Starts for Topanga_25:
(Start: 95 @15829 has 129 MA's), (Start: 163 @16006 has 10 MA's), (173, 16027), (179, 16051), (188, 16081), (189, 16084), (192, 16093), (210, 16132), (217, 16147), (228, 16171), (240, 16216), (251, 16258), (263, 16291), (266, 16300), (280, 16354), (294, 16408), (297, 16417), (301, 16441), (308, 16462), (327, 16567), (335, 16609), (510, 17131), (552, 17251), (569, 17296), (570, 17299), (571, 17302), (582, 17326), (602, 17371), (613, 17407), (630, 17446), (639, 17479), (681, 17593), (725, 17734), (731, 17758), (749, 17833), (761, 17899), (767, 17923), (774, 17941), (794, 18007), (815, 18061), (822, 18073), (827, 18088), (836, 18109), (838, 18121), (883, 18334), (891, 18370), (894, 18391), (895, 18394), (916, 18490), (921, 18538),

Gene: Topgun_24 Start: 16077, Stop: 18692, Start Num: 135
Candidate Starts for Topgun_24:
(Start: 135 @16077 has 221 MA's), (Start: 150 @16116 has 5 MA's), (171, 16179), (Start: 174 @16185 has 1 MA's), (182, 16209), (245, 16317), (298, 16488), (312, 16548), (313, 16551), (338, 16674), (344, 16704), (357, 16767), (417, 16986), (438, 17058), (463, 17106), (476, 17151), (564, 17376), (566, 17385), (579, 17421), (587, 17436), (597, 17463), (669, 17667), (710, 17781), (713, 17790), (720, 17811), (725, 17832), (749, 17931), (758, 17973), (759, 17976), (802, 18105), (830, 18189), (844, 18234), (875, 18405), (895, 18516), (911, 18603), (918, 18642), (920, 18657),

Gene: Toro_28 Start: 17560, Stop: 20943, Start Num: 22
Candidate Starts for Toro_28:
(Start: 22 @17560 has 4 MA's), (100, 17947), (117, 18004), (162, 18136), (167, 18148), (180, 18199), (223, 18346), (264, 18529), (266, 18535), (278, 18568), (281, 18580), (305, 18673), (310, 18694), (313, 18706), (345, 18862), (349, 18886), (363, 18949), (381, 19024), (388, 19066), (401, 19120), (407, 19141), (420, 19198), (421, 19204), (422, 19207), (447, 19291), (452, 19306), (462, 19333), (468, 19339), (504, 19432), (509, 19444), (511, 19447), (563, 19597), (567, 19612), (572, 19630), (583, 19654), (590, 19672), (591, 19675), (628, 19786), (653, 19849), (655, 19852), (675, 19909), (676, 19915), (693, 19963), (701, 19993), (725, 20071), (727, 20083), (728, 20092), (737, 20113), (753, 20191), (767, 20260), (774, 20278), (787, 20329), (796, 20365), (801, 20377), (812, 20410), (822, 20440), (827, 20461), (841, 20512), (849, 20545), (866, 20626), (874, 20659), (877, 20689), (885, 20731), (891, 20755), (901, 20821), (905, 20836), (906, 20842), (918, 20893),

Gene: Tote_26 Start: 16832, Stop: 19303, Start Num: 135
Candidate Starts for Tote_26:
(Start: 135 @16832 has 221 MA's), (Start: 150 @16871 has 5 MA's), (171, 16934), (182, 16964), (188, 16985), (196, 17006), (202, 17018), (233, 17036), (260, 17126), (313, 17324), (319, 17357), (335, 17423), (396, 17678), (407, 17699), (414, 17726), (492, 17885), (519, 17921), (566, 18014), (572, 18035), (597, 18092), (637, 18212), (652, 18248), (667, 18278), (681, 18314), (705, 18380), (713, 18401), (749, 18542), (786, 18683), (797, 18704), (841, 18839), (875, 19016), (895, 19127), (907, 19193), (911, 19214), (918, 19253), (920, 19268),

Gene: Traft412_26 Start: 17302, Stop: 19782, Start Num: 135
Candidate Starts for Traft412_26:
(Start: 135 @17302 has 221 MA's), (Start: 150 @17341 has 5 MA's), (165, 17386), (171, 17404), (Start: 174 @17410 has 1 MA's), (182, 17434), (196, 17476), (284, 17683), (290, 17701), (313, 17791), (326, 17854), (335, 17890), (344, 17941), (483, 18325), (538, 18427), (558, 18466), (566, 18481), (569, 18493), (579, 18517), (667, 18745), (705, 18847), (713, 18868), (725, 18910), (749, 19009), (762, 19072), (834, 19291), (843, 19324), (895, 19606), (907, 19672), (911, 19693), (918, 19732), (920, 19747),

Gene: Travvers_29 Start: 16508, Stop: 19021, Start Num: 130
Candidate Starts for Travvers_29:
(Start: 130 @16508 has 101 MA's), (198, 16688), (199, 16691), (277, 16934), (278, 16937), (293, 16997), (298, 17012), (305, 17042), (306, 17045), (323, 17129), (330, 17153), (336, 17177), (340, 17204), (341, 17207), (363, 17318), (381, 17393), (385, 17420), (388, 17435), (401, 17489), (407, 17510), (422, 17576), (426, 17594), (427, 17603), (462, 17702), (474, 17735), (478, 17744), (504, 17801), (511, 17816), (542, 17921), (590, 18032), (604, 18044), (605, 18050), (614, 18083), (615, 18086), (677, 18203), (722, 18332), (726, 18347), (734, 18377), (739, 18389), (746, 18425), (775, 18539), (795, 18551), (817, 18593), (882, 18800), (885, 18818), (886, 18821), (924, 19007),

Gene: Treddle_26 Start: 17623, Stop: 20094, Start Num: 135
Candidate Starts for Treddle_26:

(Start: 135 @17623 has 221 MA's), (Start: 150 @17662 has 5 MA's), (171, 17725), (182, 17755), (188, 17776), (196, 17797), (202, 17809), (233, 17827), (260, 17917), (313, 18115), (319, 18148), (335, 18214), (396, 18469), (407, 18490), (414, 18517), (423, 18556), (448, 18613), (478, 18643), (492, 18676), (519, 18712), (566, 18805), (572, 18826), (597, 18883), (637, 19003), (652, 19039), (667, 19069), (681, 19105), (705, 19171), (713, 19192), (725, 19234), (749, 19333), (786, 19474), (797, 19495), (861, 19726), (875, 19807), (895, 19918), (911, 20005), (918, 20044), (921, 20074),

Gene: Trike_23 Start: 13972, Stop: 16527, Start Num: 163
Candidate Starts for Trike_23:
(Start: 95 @13795 has 129 MA's), (Start: 163 @13972 has 10 MA's), (173, 13993), (188, 14047), (192, 14059), (251, 14221), (259, 14242), (263, 14254), (272, 14284), (280, 14317), (291, 14362), (297, 14380), (300, 14395), (301, 14404), (308, 14425), (327, 14530), (335, 14572), (370, 14737), (411, 14899), (510, 15103), (523, 15148), (552, 15223), (570, 15271), (571, 15274), (581, 15295), (582, 15298), (602, 15343), (630, 15418), (631, 15421), (637, 15442), (646, 15466), (672, 15532), (680, 15562), (685, 15574), (711, 15661), (718, 15676), (731, 15730), (749, 15805), (763, 15883), (767, 15895), (774, 15913), (785, 15952), (790, 15964), (794, 15976), (812, 16018), (815, 16030), (822, 16042), (827, 16057), (836, 16078), (838, 16090), (883, 16303), (895, 16363), (902, 16408), (916, 16459), (921, 16507),

Gene: Tripl3t_25 Start: 17314, Stop: 19713, Start Num: 135
Candidate Starts for Tripl3t_25:
(Start: 135 @17314 has 221 MA's), (Start: 150 @17353 has 5 MA's), (171, 17416), (182, 17446), (188, 17467), (196, 17488), (202, 17500), (208, 17518), (246, 17563), (260, 17608), (313, 17806), (319, 17839), (335, 17905), (406, 18160), (413, 18181), (418, 18208), (434, 18247), (483, 18304), (514, 18334), (598, 18496), (661, 18649), (667, 18661), (675, 18676), (711, 18793), (725, 18838), (728, 18859), (730, 18862), (762, 19012), (767, 19027), (786, 19093), (804, 19135), (861, 19345), (875, 19426), (895, 19537), (911, 19624), (918, 19663), (921, 19693),

Gene: Tristan_27 Start: 18372, Stop: 20768, Start Num: 145
Candidate Starts for Tristan_27:
(Start: 145 @18372 has 7 MA's), (Start: 150 @18390 has 5 MA's), (160, 18423), (165, 18429), (201, 18525), (217, 18567), (242, 18630), (243, 18633), (272, 18723), (276, 18738), (283, 18768), (284, 18777), (295, 18813), (298, 18822), (313, 18885), (319, 18918), (330, 18963), (335, 18984), (337, 18993), (356, 19098), (397, 19239), (471, 19407), (478, 19413), (489, 19434), (490, 19437), (521, 19485), (523, 19491), (596, 19653), (601, 19671), (661, 19827), (685, 19881), (702, 19917), (720, 19968), (737, 20028), (743, 20061), (744, 20073), (753, 20106), (754, 20109), (798, 20247), (803, 20259), (820, 20301), (836, 20337), (838, 20349), (840, 20355), (885, 20565),

Gene: Trixie_29 Start: 18274, Stop: 20811, Start Num: 130
Candidate Starts for Trixie_29:
(Start: 130 @18274 has 101 MA's), (173, 18385), (198, 18454), (247, 18619), (249, 18625), (253, 18646), (256, 18655), (274, 18700), (278, 18709), (285, 18742), (298, 18784), (309, 18826), (310, 18835), (314, 18856), (320, 18883), (323, 18901), (337, 18955), (340, 18976), (341, 18979), (381, 19165), (388, 19207), (394, 19225), (404, 19273), (407, 19282), (422, 19348), (427, 19375), (432, 19387), (454, 19450), (458, 19465), (479, 19519), (504, 19573), (520, 19621), (539, 19684), (542, 19693), (563, 19738), (567, 19753), (575, 19780), (577, 19783), (590, 19804), (601, 19810), (607, 19825), (644, 19912), (677, 19975), (685, 19996), (722, 20104), (726, 20119), (734, 20149), (739, 20161), (746, 20197), (766, 20287), (817, 20368), (821, 20377), (826, 20386), (866, 20497), (873, 20527), (885, 20608), (886, 20611),

Gene: Trooper_26 Start: 16433, Stop: 18964, Start Num: 130
Candidate Starts for Trooper_26:

(Start: 130 @16433 has 101 MA's), (147, 16472), (149, 16478), (197, 16610), (198, 16613), (202, 16622), (211, 16646), (249, 16790), (253, 16811), (256, 16820), (264, 16835), (266, 16841), (278, 16874), (285, 16907), (298, 16949), (309, 16991), (310, 17000), (320, 17048), (323, 17066), (333, 17099), (337, 17120), (340, 17141), (341, 17144), (381, 17330), (388, 17372), (391, 17381), (407, 17447), (422, 17513), (432, 17552), (504, 17738), (511, 17753), (520, 17786), (555, 17882), (563, 17903), (575, 17945), (589, 17966), (590, 17969), (666, 18107), (671, 18119), (677, 18140), (713, 18239), (715, 18242), (722, 18269), (726, 18284), (734, 18314), (746, 18362), (757, 18410), (773, 18464), (809, 18515), (826, 18548), (846, 18572), (873, 18689), (884, 18755), (886, 18767),

Gene: Trouble_24 Start: 16670, Stop: 19141, Start Num: 135
Candidate Starts for Trouble_24:
(Start: 135 @16670 has 221 MA's), (Start: 150 @16709 has 5 MA's), (171, 16772), (182, 16802), (188, 16823), (196, 16844), (202, 16856), (233, 16874), (246, 16919), (260, 16964), (313, 17162), (319, 17195), (335, 17261), (396, 17516), (407, 17537), (414, 17564), (492, 17723), (519, 17759), (566, 17852), (572, 17873), (597, 17930), (637, 18050), (652, 18086), (667, 18116), (681, 18152), (705, 18218), (713, 18239), (749, 18380), (786, 18521), (797, 18542), (841, 18677), (875, 18854), (895, 18965), (911, 19052), (918, 19091),

Gene: TroyPia_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for TroyPia_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Tubs_27 Start: 17590, Stop: 20499, Start Num: 66
Candidate Starts for Tubs_27:
(Start: 66 @17590 has 43 MA's), (69, 17602), (85, 17662), (Start: 138 @17821 has 1 MA's), (157, 17884), (178, 17947), (191, 17989), (214, 18046), (258, 18256), (262, 18262), (267, 18277), (293, 18367), (294, 18370), (298, 18382), (309, 18424), (319, 18478), (337, 18553), (340, 18574), (341, 18577), (344, 18595), (356, 18658), (375, 18724), (381, 18763), (385, 18790), (388, 18805), (396, 18835), (401, 18859), (404, 18871), (407, 18880), (422, 18946), (432, 18985), (456, 19051), (468, 19078), (474, 19105), (504, 19171), (518, 19216), (542, 19291), (563, 19336), (568, 19357), (575, 19378), (577, 19381), (589, 19399), (590, 19402), (609, 19429), (644, 19510), (671, 19552), (722, 19702), (726, 19717), (734, 19747), (747, 19798), (766, 19885), (768, 19894), (785, 19945), (814, 20008), (822, 20029), (833, 20065), (846, 20101), (847, 20107), (865, 20185), (872, 20212), (881, 20272), (895, 20341), (899, 20371), (905, 20398), (917, 20437), (922, 20479),

Gene: Tucker_29 Start: 16733, Stop: 18949, Start Num: 93
Candidate Starts for Tucker_29:
(77, 16688), (Start: 93 @16733 has 49 MA's), (Start: 145 @16844 has 7 MA's), (196, 17000), (269, 17147), (273, 17159), (312, 17306), (313, 17309), (319, 17342), (339, 17432), (352, 17501), (375, 17576), (425, 17744), (623, 18002), (656, 18047), (721, 18155), (749, 18218), (758, 18260), (789, 18359), (797, 18380), (813, 18422), (830, 18473), (840, 18500), (857, 18581), (873, 18671),

Gene: Turbido_28 Start: 17118, Stop: 19661, Start Num: 130
Candidate Starts for Turbido_28:
(Start: 130 @17118 has 101 MA's), (198, 17298), (199, 17301), (211, 17331), (247, 17469), (249, 17475), (253, 17496), (256, 17505), (262, 17514), (266, 17526), (281, 17571), (285, 17592), (298, 17634), (310, 17685), (319, 17730), (320, 17733), (323, 17751), (333, 17784), (335, 17796), (337, 17805), (340, 17826), (341, 17829), (381, 18015), (388, 18057), (391, 18066), (394, 18075), (407,

18132), (422, 18198), (432, 18237), (468, 18330), (478, 18366), (504, 18423), (524, 18489), (534, 18522), (540, 18537), (542, 18543), (547, 18552), (555, 18567), (563, 18588), (568, 18609), (575, 18630), (577, 18633), (589, 18651), (590, 18654), (614, 18705), (644, 18762), (653, 18780), (671, 18804), (691, 18864), (701, 18891), (722, 18954), (734, 18999), (766, 19137), (821, 19227), (826, 19236), (846, 19260), (866, 19347), (873, 19377), (886, 19461),

Gene: Turj99_23 Start: 16107, Stop: 18578, Start Num: 135
Candidate Starts for Turj99_23:
(Start: 135 @16107 has 221 MA's), (Start: 150 @16146 has 5 MA's), (171, 16209), (182, 16239), (188, 16260), (196, 16281), (202, 16293), (233, 16311), (260, 16401), (313, 16599), (319, 16632), (335, 16698), (396, 16953), (407, 16974), (414, 17001), (492, 17160), (519, 17196), (566, 17289), (572, 17310), (597, 17367), (637, 17487), (652, 17523), (667, 17553), (681, 17589), (705, 17655), (713, 17676), (749, 17817), (786, 17958), (797, 17979), (861, 18210), (875, 18291), (895, 18402), (911, 18489), (918, 18528), (921, 18558),

Gene: Twigg_22 Start: 15215, Stop: 18553, Start Num: 1
Candidate Starts for Twigg_22:
(Start: 1 @15215 has 40 MA's), (19, 15653), (Start: 95 @15965 has 129 MA's), (118, 16043), (131, 16073), (152, 16130), (179, 16214), (202, 16277), (204, 16283), (267, 16403), (293, 16493), (294, 16496), (313, 16571), (322, 16616), (326, 16634), (337, 16679), (340, 16700), (385, 16892), (435, 17030), (458, 17078), (499, 17156), (548, 17282), (556, 17294), (565, 17318), (593, 17381), (672, 17573), (680, 17603), (690, 17627), (693, 17639), (716, 17702), (749, 17825), (753, 17846), (758, 17867), (781, 17945), (789, 17966), (804, 18008), (813, 18029), (842, 18116), (849, 18146), (863, 18209), (866, 18227), (880, 18308), (883, 18320), (885, 18332), (887, 18341), (898, 18395), (915, 18479), (919, 18518),

Gene: Twister_25 Start: 15728, Stop: 18457, Start Num: 95
Candidate Starts for Twister_25:
(Start: 95 @15728 has 129 MA's), (Start: 163 @15905 has 10 MA's), (173, 15926), (179, 15950), (188, 15980), (189, 15983), (192, 15992), (210, 16031), (217, 16046), (228, 16070), (240, 16115), (251, 16157), (263, 16190), (266, 16199), (280, 16253), (294, 16307), (297, 16316), (301, 16340), (308, 16361), (327, 16466), (335, 16508), (510, 17030), (552, 17150), (569, 17195), (570, 17198), (571, 17201), (582, 17225), (602, 17270), (613, 17306), (630, 17345), (639, 17378), (681, 17492), (725, 17633), (731, 17657), (749, 17732), (761, 17798), (767, 17822), (774, 17840), (794, 17906), (815, 17960), (822, 17972), (827, 17987), (836, 18008), (838, 18020), (883, 18233), (891, 18269), (894, 18290), (895, 18293), (916, 18389), (921, 18437),

Gene: TwoPeat_25 Start: 16622, Stop: 19102, Start Num: 135
Candidate Starts for TwoPeat_25:
(Start: 135 @16622 has 221 MA's), (Start: 150 @16661 has 5 MA's), (171, 16724), (182, 16754), (196, 16796), (284, 17003), (290, 17021), (313, 17111), (326, 17174), (333, 17198), (335, 17210), (344, 17261), (483, 17645), (538, 17747), (558, 17786), (569, 17813), (579, 17837), (625, 17966), (667, 18065), (705, 18167), (713, 18188), (718, 18200), (725, 18230), (749, 18329), (762, 18392), (789, 18482), (834, 18611), (843, 18644), (875, 18815), (895, 18926), (907, 18992), (911, 19013), (918, 19052), (921, 19082),

Gene: TygerBlood_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for TygerBlood_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (639, 17409), (649, 17430), (659, 17454), (679, 17514), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880,

18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: U2_24 Start: 16511, Stop: 18979, Start Num: 135
Candidate Starts for U2_24:
(Start: 135 @16511 has 221 MA's), (Start: 144 @16526 has 1 MA's), (182, 16640), (188, 16661), (196, 16682), (233, 16712), (240, 16736), (246, 16757), (260, 16802), (313, 17000), (319, 17033), (335, 17099), (396, 17354), (407, 17375), (414, 17402), (492, 17561), (519, 17597), (566, 17690), (572, 17711), (579, 17726), (588, 17747), (591, 17750), (611, 17819), (625, 17855), (637, 17888), (652, 17924), (667, 17954), (681, 17990), (705, 18056), (713, 18077), (725, 18119), (749, 18218), (786, 18359), (797, 18380), (841, 18515), (875, 18692), (895, 18803), (911, 18890), (918, 18929), (921, 18959),

Gene: Ugenie5_24 Start: 17623, Stop: 20532, Start Num: 66
Candidate Starts for Ugenie5_24:
(Start: 66 @17623 has 43 MA's), (69, 17635), (85, 17695), (157, 17917), (178, 17980), (191, 18022), (214, 18079), (222, 18118), (258, 18289), (262, 18295), (267, 18310), (293, 18400), (294, 18403), (298, 18415), (309, 18457), (319, 18511), (337, 18586), (340, 18607), (341, 18610), (344, 18628), (356, 18691), (375, 18757), (381, 18796), (385, 18823), (388, 18838), (396, 18868), (401, 18892), (407, 18913), (422, 18979), (432, 19018), (456, 19084), (468, 19111), (474, 19138), (504, 19204), (518, 19249), (542, 19324), (563, 19369), (568, 19390), (575, 19411), (577, 19414), (589, 19432), (590, 19435), (609, 19462), (615, 19489), (644, 19543), (722, 19735), (726, 19750), (734, 19780), (747, 19831), (766, 19918), (768, 19927), (785, 19978), (814, 20041), (822, 20062), (833, 20098), (846, 20134), (847, 20140), (865, 20218), (872, 20245), (881, 20305), (895, 20374), (899, 20404), (905, 20431), (917, 20470), (922, 20512),

Gene: Ulysses_24 Start: 15606, Stop: 18206, Start Num: 95
Candidate Starts for Ulysses_24:
(Start: 95 @15606 has 129 MA's), (Start: 153 @15747 has 23 MA's), (Start: 163 @15765 has 10 MA's), (218, 15921), (238, 15972), (248, 16011), (255, 16041), (290, 16158), (298, 16185), (313, 16248), (326, 16311), (337, 16356), (344, 16398), (362, 16482), (460, 16749), (490, 16800), (519, 16845), (554, 16923), (569, 16956), (571, 16962), (619, 17076), (639, 17130), (659, 17175), (679, 17235), (697, 17295), (731, 17409), (767, 17574), (774, 17592), (822, 17718), (880, 17970), (881, 17973), (883, 17982), (895, 18042), (916, 18138), (921, 18186),

Gene: UnionJack_22 Start: 14796, Stop: 17609, Start Num: 1
Candidate Starts for UnionJack_22:
(Start: 1 @14796 has 40 MA's), (7, 14985), (Start: 95 @15468 has 129 MA's), (97, 15474), (206, 15618), (243, 15654), (272, 15744), (288, 15810), (294, 15831), (310, 15894), (313, 15906), (319, 15939), (333, 15993), (338, 16026), (341, 16038), (362, 16137), (375, 16170), (412, 16299), (449, 16413), (511, 16464), (572, 16530), (621, 16611), (632, 16623), (641, 16656), (682, 16734), (686, 16743), (711, 16809), (716, 16818), (749, 16881), (758, 16923), (777, 16995), (789, 17022), (795, 17037), (804, 17064), (813, 17085), (842, 17172), (849, 17202), (863, 17265), (880, 17364), (883, 17376), (885, 17388), (887, 17397), (916, 17544),

Gene: Updawg_28 Start: 17115, Stop: 19622, Start Num: 130
Candidate Starts for Updawg_28:
(Start: 130 @17115 has 101 MA's), (173, 17226), (193, 17283), (253, 17469), (278, 17532), (285, 17565), (287, 17571), (330, 17751), (333, 17760), (337, 17781), (340, 17802), (341, 17805), (344, 17823), (355, 17883), (381, 17991), (388, 18033), (401, 18087), (407, 18108), (421, 18171), (422, 18174), (426, 18192), (432, 18213), (504, 18399), (511, 18414), (516, 18441), (534, 18498), (540, 18513), (542, 18519), (547, 18528), (550, 18534), (563, 18564), (568, 18585), (590, 18630), (601, 18636), (611, 18669), (620, 18696), (666, 18768), (671, 18780), (691, 18840), (701, 18867), (722, 18930), (734, 18975), (739, 18987), (746, 19023), (756, 19059), (761, 19092), (803, 19155), (814,

19179), (868, 19323), (886, 19422), (901, 19509), (924, 19608),

Gene: VA6_26 Start: 16626, Stop: 19163, Start Num: 130
Candidate Starts for VA6_26:
(Start: 130 @16626 has 101 MA's), (198, 16806), (199, 16809), (219, 16857), (246, 16968), (249, 16977), (253, 16998), (256, 17007), (266, 17028), (278, 17061), (285, 17094), (310, 17187), (320, 17235), (323, 17253), (328, 17265), (333, 17286), (337, 17307), (340, 17328), (341, 17331), (381, 17517), (388, 17559), (391, 17568), (407, 17634), (422, 17700), (427, 17727), (432, 17739), (462, 17826), (504, 17925), (542, 18045), (547, 18054), (550, 18060), (555, 18069), (563, 18090), (569, 18114), (577, 18135), (590, 18156), (601, 18162), (611, 18195), (614, 18207), (644, 18264), (691, 18366), (701, 18393), (722, 18456), (821, 18729), (826, 18738), (866, 18849), (873, 18879), (886, 18963),

Gene: VC3_29 Start: 16651, Stop: 19164, Start Num: 130
Candidate Starts for VC3_29:
(Start: 130 @16651 has 101 MA's), (198, 16831), (199, 16834), (233, 16945), (278, 17080), (293, 17140), (298, 17155), (305, 17185), (306, 17188), (323, 17272), (330, 17296), (336, 17320), (340, 17347), (341, 17350), (363, 17461), (381, 17536), (385, 17563), (388, 17578), (401, 17632), (407, 17653), (422, 17719), (426, 17737), (427, 17746), (462, 17845), (474, 17878), (478, 17887), (504, 17944), (511, 17959), (542, 18064), (590, 18175), (604, 18187), (605, 18193), (614, 18226), (677, 18346), (722, 18475), (726, 18490), (734, 18520), (739, 18532), (746, 18568), (775, 18682), (795, 18694), (817, 18736), (882, 18943), (885, 18961), (886, 18964), (924, 19150),

Gene: Vanisoa_25 Start: 15668, Stop: 18586, Start Num: 66
Candidate Starts for Vanisoa_25:
(Start: 66 @15668 has 43 MA's), (69, 15680), (112, 15839), (Start: 138 @15902 has 1 MA's), (191, 16070), (212, 16124), (214, 16127), (236, 16253), (253, 16328), (256, 16337), (258, 16340), (262, 16346), (264, 16352), (298, 16466), (302, 16487), (310, 16517), (313, 16529), (319, 16562), (323, 16583), (324, 16586), (330, 16607), (335, 16628), (337, 16637), (338, 16649), (347, 16697), (354, 16730), (356, 16742), (381, 16847), (383, 16859), (395, 16910), (401, 16943), (405, 16958), (407, 16964), (410, 16973), (412, 16985), (417, 17009), (420, 17021), (422, 17030), (474, 17189), (479, 17201), (504, 17255), (542, 17375), (563, 17420), (568, 17441), (575, 17462), (577, 17465), (589, 17483), (590, 17486), (609, 17513), (615, 17540), (649, 17600), (671, 17636), (685, 17678), (722, 17786), (747, 17882), (766, 17969), (768, 17978), (785, 18029), (803, 18059), (814, 18092), (822, 18113), (833, 18152), (847, 18194), (865, 18272), (872, 18299), (881, 18359), (899, 18458), (916, 18512), (917, 18524), (922, 18566),

Gene: Veracruz_25 Start: 16043, Stop: 19081, Start Num: 47
Candidate Starts for Veracruz_25:
(Start: 47 @16043 has 37 MA's), (87, 16217), (90, 16229), (Start: 99 @16262 has 4 MA's), (171, 16469), (177, 16490), (212, 16589), (214, 16592), (256, 16802), (262, 16811), (266, 16823), (278, 16856), (294, 16919), (298, 16931), (306, 16964), (310, 16982), (314, 17003), (324, 17051), (326, 17057), (330, 17072), (333, 17081), (335, 17093), (337, 17102), (354, 17195), (381, 17312), (382, 17315), (386, 17342), (388, 17354), (401, 17408), (407, 17429), (422, 17495), (432, 17534), (483, 17675), (504, 17720), (530, 17810), (534, 17819), (547, 17849), (568, 17906), (573, 17921), (589, 17948), (590, 17951), (605, 17969), (655, 18080), (691, 18161), (711, 18218), (724, 18260), (749, 18356), (753, 18377), (757, 18401), (767, 18446), (774, 18464), (789, 18512), (793, 18524), (814, 18566), (818, 18578), (833, 18626), (874, 18797), (883, 18857), (885, 18869), (892, 18896), (895, 18917), (916, 19013), (921, 19061),

Gene: Violet_23 Start: 16915, Stop: 19386, Start Num: 135
Candidate Starts for Violet_23:

(Start: 135 @16915 has 221 MA's), (Start: 150 @16954 has 5 MA's), (171, 17017), (182, 17047), (188, 17068), (196, 17089), (202, 17101), (233, 17119), (260, 17209), (313, 17407), (319, 17440), (335, 17506), (396, 17761), (407, 17782), (414, 17809), (492, 17968), (519, 18004), (566, 18097), (572, 18118), (597, 18175), (637, 18295), (652, 18331), (667, 18361), (681, 18397), (705, 18463), (713, 18484), (749, 18625), (786, 18766), (797, 18787), (841, 18922), (875, 19099), (895, 19210), (911, 19297), (918, 19336), (921, 19366),

Gene: Vix_27 Start: 16061, Stop: 19087, Start Num: 48
Candidate Starts for Vix_27:
(40, 16007), (Start: 48 @16061 has 89 MA's), (71, 16175), (88, 16241), (90, 16244), (92, 16253), (104, 16289), (122, 16340), (148, 16412), (171, 16484), (212, 16604), (214, 16607), (225, 16676), (231, 16721), (256, 16814), (262, 16823), (268, 16841), (278, 16868), (294, 16931), (298, 16943), (306, 16976), (310, 16994), (323, 17060), (324, 17063), (326, 17069), (330, 17084), (333, 17093), (335, 17105), (337, 17114), (350, 17192), (354, 17207), (381, 17324), (382, 17327), (386, 17354), (388, 17366), (401, 17420), (407, 17441), (422, 17507), (432, 17546), (468, 17639), (483, 17687), (504, 17732), (520, 17780), (530, 17822), (534, 17831), (547, 17861), (549, 17864), (555, 17876), (573, 17933), (575, 17939), (589, 17960), (590, 17963), (666, 18101), (671, 18113), (691, 18173), (711, 18230), (749, 18368), (753, 18389), (757, 18413), (767, 18458), (774, 18476), (789, 18524), (793, 18536), (814, 18578), (835, 18641), (852, 18698), (865, 18767), (874, 18803), (887, 18884), (916, 19019),

Gene: VohminGhazi_29 Start: 16735, Stop: 18939, Start Num: 93
Candidate Starts for VohminGhazi_29:
(41, 16576), (77, 16690), (Start: 93 @16735 has 49 MA's), (Start: 145 @16846 has 7 MA's), (147, 16852), (182, 16960), (196, 17002), (243, 17068), (273, 17161), (282, 17188), (313, 17311), (319, 17344), (339, 17434), (352, 17503), (425, 17746), (531, 17884), (623, 18004), (721, 18157), (749, 18220), (758, 18262), (789, 18361), (797, 18382), (804, 18403), (813, 18424), (830, 18475), (834, 18487), (840, 18502), (857, 18583), (873, 18661),

Gene: Waits_28 Start: 15890, Stop: 18079, Start Num: 156
Candidate Starts for Waits_28:
(Start: 95 @15713 has 129 MA's), (Start: 99 @15722 has 4 MA's), (Start: 156 @15890 has 18 MA's), (267, 16133), (269, 16139), (289, 16208), (304, 16265), (337, 16409), (344, 16451), (353, 16499), (354, 16502), (384, 16613), (387, 16631), (425, 16736), (445, 16784), (515, 16889), (541, 16949), (569, 17003), (592, 17039), (599, 17063), (602, 17072), (624, 17135), (636, 17156), (640, 17171), (654, 17195), (659, 17207), (689, 17261), (695, 17282), (709, 17312), (771, 17483), (777, 17504), (813, 17588), (887, 17891), (916, 18014), (917, 18026),

Gene: WalterMcMickey_25 Start: 15905, Stop: 18457, Start Num: 163
Candidate Starts for WalterMcMickey_25:
(Start: 95 @15728 has 129 MA's), (Start: 163 @15905 has 10 MA's), (173, 15926), (179, 15950), (188, 15980), (189, 15983), (192, 15992), (210, 16031), (217, 16046), (228, 16070), (240, 16115), (251, 16157), (263, 16190), (266, 16199), (280, 16253), (294, 16307), (297, 16316), (301, 16340), (308, 16361), (327, 16466), (335, 16508), (510, 17030), (552, 17150), (569, 17195), (570, 17198), (571, 17201), (582, 17225), (602, 17270), (613, 17306), (630, 17345), (639, 17378), (681, 17492), (725, 17633), (731, 17657), (749, 17732), (761, 17798), (767, 17822), (774, 17840), (794, 17906), (815, 17960), (822, 17972), (827, 17987), (836, 18008), (838, 18020), (883, 18233), (891, 18269), (894, 18290), (895, 18293), (916, 18389), (921, 18437),

Gene: Wander_25 Start: 15885, Stop: 18485, Start Num: 95
Candidate Starts for Wander_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326,

16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (581, 17262), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Warrior24_28 Start: 15894, Stop: 18083, Start Num: 156
Candidate Starts for Warrior24_28:
(Start: 95 @15717 has 129 MA's), (Start: 99 @15726 has 4 MA's), (Start: 156 @15894 has 18 MA's), (267, 16137), (269, 16143), (289, 16212), (304, 16269), (337, 16413), (344, 16455), (348, 16476), (353, 16503), (354, 16506), (384, 16617), (387, 16635), (425, 16740), (445, 16788), (515, 16893), (541, 16953), (569, 17007), (592, 17043), (599, 17067), (602, 17076), (624, 17139), (636, 17160), (640, 17175), (654, 17199), (659, 17211), (689, 17265), (695, 17286), (709, 17316), (771, 17487), (777, 17508), (813, 17592), (887, 17895), (916, 18018), (917, 18030),

Gene: Watermelon_26 Start: 17220, Stop: 19700, Start Num: 135
Candidate Starts for Watermelon_26:
(Start: 135 @17220 has 221 MA's), (Start: 150 @17259 has 5 MA's), (171, 17322), (182, 17352), (196, 17394), (284, 17601), (290, 17619), (313, 17709), (326, 17772), (333, 17796), (335, 17808), (344, 17859), (483, 18243), (538, 18345), (558, 18384), (569, 18411), (579, 18435), (625, 18564), (667, 18663), (705, 18765), (713, 18786), (725, 18828), (749, 18927), (762, 18990), (834, 19209), (843, 19242), (875, 19413), (895, 19524), (911, 19611), (918, 19650), (920, 19665),

Gene: Watson_27 Start: 15971, Stop: 18997, Start Num: 48
Candidate Starts for Watson_27:
(40, 15917), (Start: 48 @15971 has 89 MA's), (71, 16085), (88, 16151), (90, 16154), (92, 16163), (104, 16199), (122, 16250), (148, 16322), (171, 16394), (212, 16514), (214, 16517), (225, 16586), (231, 16631), (256, 16724), (262, 16733), (268, 16751), (278, 16778), (294, 16841), (298, 16853), (306, 16886), (310, 16904), (323, 16970), (324, 16973), (326, 16979), (330, 16994), (333, 17003), (335, 17015), (337, 17024), (354, 17117), (381, 17234), (382, 17237), (386, 17264), (388, 17276), (401, 17330), (407, 17351), (422, 17417), (427, 17444), (468, 17549), (483, 17597), (504, 17642), (520, 17690), (530, 17732), (534, 17741), (547, 17771), (549, 17774), (555, 17786), (573, 17843), (575, 17849), (589, 17870), (590, 17873), (666, 18011), (671, 18023), (691, 18083), (713, 18143), (722, 18173), (723, 18176), (725, 18185), (749, 18278), (767, 18368), (789, 18434), (793, 18446), (814, 18488), (835, 18551), (852, 18608), (865, 18677), (874, 18713), (887, 18794), (916, 18929),

Gene: WeiHuaDA_31 Start: 18881, Stop: 21418, Start Num: 130
Candidate Starts for WeiHuaDA_31:
(Start: 130 @18881 has 101 MA's), (173, 18992), (198, 19061), (247, 19226), (249, 19232), (253, 19253), (256, 19262), (266, 19283), (278, 19316), (280, 19325), (285, 19349), (293, 19376), (298, 19391), (309, 19433), (310, 19442), (320, 19490), (323, 19508), (330, 19532), (340, 19583), (341, 19586), (381, 19772), (388, 19814), (404, 19880), (407, 19889), (422, 19955), (432, 19994), (468, 20087), (504, 20180), (511, 20195), (542, 20300), (563, 20345), (575, 20387), (577, 20390), (590, 20411), (601, 20417), (607, 20432), (666, 20549), (677, 20582), (685, 20603), (722, 20711), (726, 20726), (734, 20756), (739, 20768), (746, 20804), (817, 20975), (821, 20984), (826, 20993), (866, 21104), (873, 21134), (885, 21215), (886, 21218),

Gene: Whabigail7_28 Start: 17106, Stop: 19649, Start Num: 130
Candidate Starts for Whabigail7_28:
(Start: 130 @17106 has 101 MA's), (198, 17286), (199, 17289), (247, 17457), (249, 17463), (253, 17484), (256, 17493), (262, 17502), (266, 17514), (281, 17559), (285, 17580), (298, 17622), (310, 17673), (319, 17718), (320, 17721), (323, 17739), (333, 17772), (335, 17784), (337, 17793), (340, 17814), (341, 17817), (381, 18003), (388, 18045), (391, 18054), (394, 18063), (407, 18120), (422, 18186), (432, 18225), (468, 18318), (478, 18354), (504, 18411), (524, 18477), (534, 18510), (540,

18525), (542, 18531), (547, 18540), (555, 18555), (563, 18576), (568, 18597), (575, 18618), (577, 18621), (589, 18639), (590, 18642), (614, 18693), (644, 18750), (653, 18768), (671, 18792), (691, 18852), (701, 18879), (722, 18942), (734, 18987), (766, 19125), (821, 19215), (826, 19224), (846, 19248), (866, 19335), (873, 19365), (886, 19449),

Gene: Wheeler_24 Start: 16677, Stop: 19154, Start Num: 137
Candidate Starts for Wheeler_24:
(Start: 137 @16677 has 9 MA's), (Start: 144 @16692 has 1 MA's), (171, 16776), (Start: 174 @16782 has 1 MA's), (182, 16806), (196, 16848), (284, 17055), (290, 17073), (313, 17163), (326, 17226), (333, 17250), (335, 17262), (344, 17313), (483, 17697), (538, 17799), (558, 17838), (569, 17865), (579, 17889), (667, 18117), (705, 18219), (713, 18240), (718, 18252), (725, 18282), (749, 18381), (762, 18444), (834, 18663), (843, 18696), (895, 18978), (911, 19065), (918, 19104), (920, 19119),

Gene: Whitspit_25 Start: 17013, Stop: 19484, Start Num: 135
Candidate Starts for Whitspit_25:
(Start: 135 @17013 has 221 MA's), (Start: 150 @17052 has 5 MA's), (171, 17115), (182, 17145), (188, 17166), (196, 17187), (202, 17199), (233, 17217), (260, 17307), (313, 17505), (319, 17538), (335, 17604), (396, 17859), (407, 17880), (414, 17907), (492, 18066), (519, 18102), (566, 18195), (572, 18216), (597, 18273), (637, 18393), (652, 18429), (667, 18459), (681, 18495), (705, 18561), (713, 18582), (749, 18723), (786, 18864), (797, 18885), (841, 19020), (875, 19197), (895, 19308), (911, 19395), (918, 19434), (920, 19449),

Gene: WideWale_28 Start: 17115, Stop: 19622, Start Num: 130
Candidate Starts for WideWale_28:
(Start: 130 @17115 has 101 MA's), (173, 17226), (193, 17283), (253, 17469), (278, 17532), (285, 17565), (287, 17571), (330, 17751), (333, 17760), (337, 17781), (340, 17802), (341, 17805), (344, 17823), (355, 17883), (381, 17991), (388, 18033), (401, 18087), (407, 18108), (421, 18171), (422, 18174), (426, 18192), (432, 18213), (504, 18399), (511, 18414), (516, 18441), (534, 18498), (540, 18513), (542, 18519), (547, 18528), (550, 18534), (563, 18564), (568, 18585), (590, 18630), (601, 18636), (611, 18669), (620, 18696), (666, 18768), (671, 18780), (691, 18840), (701, 18867), (722, 18930), (734, 18975), (739, 18987), (746, 19023), (756, 19059), (761, 19092), (803, 19155), (814, 19179), (868, 19323), (886, 19422), (901, 19509), (924, 19608),

Gene: Wiks_29 Start: 16715, Stop: 18931, Start Num: 93
Candidate Starts for Wiks_29:
(77, 16670), (Start: 93 @16715 has 49 MA's), (Start: 145 @16826 has 7 MA's), (196, 16982), (269, 17129), (273, 17141), (312, 17288), (313, 17291), (319, 17324), (339, 17414), (352, 17483), (375, 17558), (425, 17726), (623, 17984), (656, 18029), (721, 18137), (749, 18200), (758, 18242), (789, 18341), (797, 18362), (813, 18404), (830, 18455), (840, 18482), (857, 18563), (873, 18653),

Gene: Wilbur_25 Start: 16026, Stop: 18485, Start Num: 153
Candidate Starts for Wilbur_25:
(Start: 95 @15885 has 129 MA's), (Start: 153 @16026 has 23 MA's), (Start: 163 @16044 has 10 MA's), (238, 16251), (248, 16290), (255, 16320), (290, 16437), (298, 16464), (313, 16527), (326, 16590), (337, 16635), (344, 16677), (362, 16761), (460, 17028), (490, 17079), (519, 17124), (554, 17202), (569, 17235), (571, 17241), (613, 17337), (615, 17346), (639, 17409), (649, 17430), (659, 17454), (680, 17520), (697, 17574), (713, 17622), (731, 17688), (767, 17853), (774, 17871), (822, 17997), (880, 18249), (881, 18252), (883, 18261), (895, 18321), (916, 18417), (921, 18465),

Gene: Wile_25 Start: 15892, Stop: 18492, Start Num: 95
Candidate Starts for Wile_25:
(Start: 95 @15892 has 129 MA's), (243, 16282), (282, 16411), (290, 16444), (298, 16471), (313, 16534), (337, 16642), (368, 16777), (423, 16975), (478, 17062), (490, 17086), (519, 17131), (569,

17242), (571, 17248), (639, 17416), (661, 17464), (679, 17521), (697, 17581), (713, 17629), (723, 17662), (731, 17695), (737, 17713), (767, 17860), (774, 17878), (822, 18004), (851, 18094), (870, 18193), (881, 18259), (883, 18268), (895, 18328), (897, 18337), (902, 18373), (909, 18391), (916, 18424), (921, 18472),

Gene: Wilkins_24 Start: 16077, Stop: 18692, Start Num: 135
Candidate Starts for Wilkins_24:
(Start: 135 @16077 has 221 MA's), (Start: 150 @16116 has 5 MA's), (171, 16179), (Start: 174 @16185 has 1 MA's), (182, 16209), (245, 16317), (298, 16488), (312, 16548), (313, 16551), (338, 16674), (344, 16704), (357, 16767), (417, 16986), (438, 17058), (463, 17106), (476, 17151), (564, 17376), (566, 17385), (579, 17421), (587, 17436), (597, 17463), (669, 17667), (710, 17781), (713, 17790), (720, 17811), (725, 17832), (749, 17931), (758, 17973), (759, 17976), (802, 18105), (830, 18189), (844, 18234), (875, 18405), (895, 18516), (911, 18603), (918, 18642), (920, 18657),

Gene: Wizard007_25 Start: 15887, Stop: 18487, Start Num: 95
Candidate Starts for Wizard007_25:
(Start: 95 @15887 has 129 MA's), (Start: 153 @16028 has 23 MA's), (Start: 163 @16046 has 10 MA's), (238, 16253), (248, 16292), (255, 16322), (290, 16439), (298, 16466), (313, 16529), (326, 16592), (337, 16637), (344, 16679), (362, 16763), (460, 17030), (490, 17081), (519, 17126), (554, 17204), (571, 17243), (581, 17264), (639, 17411), (649, 17432), (659, 17456), (679, 17516), (680, 17522), (681, 17525), (697, 17576), (713, 17624), (731, 17690), (767, 17855), (774, 17873), (822, 17999), (880, 18251), (881, 18254), (883, 18263), (895, 18323), (916, 18419), (921, 18467),

Gene: Wolpertinger_25 Start: 17178, Stop: 19706, Start Num: 96
Candidate Starts for Wolpertinger_25:
(Start: 91 @17160 has 24 MA's), (Start: 96 @17178 has 4 MA's), (Start: 156 @17352 has 18 MA's), (159, 17361), (196, 17436), (248, 17490), (265, 17544), (270, 17559), (271, 17562), (278, 17580), (294, 17643), (298, 17655), (313, 17718), (326, 17781), (330, 17796), (333, 17805), (337, 17826), (341, 17850), (344, 17865), (364, 17952), (366, 17955), (372, 17970), (378, 17991), (380, 18003), (396, 18069), (418, 18141), (425, 18165), (454, 18246), (457, 18255), (462, 18267), (471, 18309), (513, 18366), (532, 18420), (577, 18528), (595, 18567), (647, 18708), (690, 18804), (695, 18825), (708, 18858), (721, 18891), (722, 18894), (748, 18978), (758, 19023), (759, 19026), (792, 19140), (804, 19173), (830, 19245), (842, 19281), (857, 19353), (873, 19431), (881, 19485), (886, 19509), (912, 19620),

Gene: Wooldri_29 Start: 15890, Stop: 18916, Start Num: 48
Candidate Starts for Wooldri_29:
(40, 15836), (Start: 48 @15890 has 89 MA's), (71, 16004), (88, 16070), (90, 16073), (92, 16082), (104, 16118), (122, 16169), (148, 16241), (171, 16313), (212, 16433), (214, 16436), (225, 16505), (231, 16550), (256, 16643), (262, 16652), (268, 16670), (278, 16697), (294, 16760), (298, 16772), (306, 16805), (310, 16823), (323, 16889), (324, 16892), (326, 16898), (330, 16913), (333, 16922), (335, 16934), (337, 16943), (350, 17021), (354, 17036), (381, 17153), (382, 17156), (386, 17183), (388, 17195), (401, 17249), (407, 17270), (422, 17336), (432, 17375), (468, 17468), (483, 17516), (504, 17561), (520, 17609), (530, 17651), (534, 17660), (547, 17690), (549, 17693), (555, 17705), (573, 17762), (575, 17768), (589, 17789), (590, 17792), (666, 17930), (671, 17942), (691, 18002), (711, 18059), (749, 18197), (753, 18218), (757, 18242), (767, 18287), (774, 18305), (789, 18353), (793, 18365), (814, 18407), (835, 18470), (852, 18527), (865, 18596), (874, 18632), (887, 18713), (916, 18848),

Gene: WorldCup_24 Start: 15668, Stop: 18586, Start Num: 66
Candidate Starts for WorldCup_24:
(Start: 66 @15668 has 43 MA's), (69, 15680), (112, 15839), (129, 15881), (Start: 138 @15902 has 1 MA's), (178, 16028), (191, 16070), (212, 16124), (214, 16127), (236, 16253), (253, 16328), (256,

16337), (258, 16340), (264, 16352), (308, 16505), (310, 16517), (313, 16529), (314, 16538), (319, 16562), (323, 16583), (324, 16586), (330, 16607), (335, 16628), (337, 16637), (338, 16649), (347, 16697), (356, 16742), (381, 16847), (395, 16910), (400, 16940), (401, 16943), (407, 16964), (410, 16973), (412, 16985), (417, 17009), (422, 17030), (432, 17069), (504, 17255), (509, 17267), (518, 17300), (542, 17375), (547, 17384), (563, 17420), (568, 17441), (575, 17462), (577, 17465), (589, 17483), (590, 17486), (609, 17513), (615, 17540), (649, 17600), (685, 17678), (722, 17786), (734, 17831), (747, 17882), (764, 17963), (766, 17969), (768, 17978), (785, 18029), (814, 18092), (822, 18113), (833, 18152), (847, 18194), (865, 18272), (872, 18299), (881, 18359), (886, 18383), (899, 18458), (917, 18524), (922, 18566),

Gene: WunderPhul_29 Start: 16715, Stop: 18931, Start Num: 93
Candidate Starts for WunderPhul_29:
(77, 16670), (Start: 93 @16715 has 49 MA's), (Start: 145 @16826 has 7 MA's), (196, 16982), (269, 17129), (273, 17141), (312, 17288), (313, 17291), (319, 17324), (339, 17414), (352, 17483), (375, 17558), (425, 17726), (623, 17984), (656, 18029), (721, 18137), (749, 18200), (758, 18242), (789, 18341), (797, 18362), (813, 18404), (830, 18455), (840, 18482), (857, 18563), (873, 18653),

Gene: Xena_25 Start: 15879, Stop: 18479, Start Num: 95
Candidate Starts for Xena_25:
(Start: 95 @15879 has 129 MA's), (243, 16269), (282, 16398), (290, 16431), (298, 16458), (313, 16521), (337, 16629), (368, 16764), (423, 16962), (478, 17049), (490, 17073), (519, 17118), (569, 17229), (571, 17235), (639, 17403), (661, 17451), (679, 17508), (697, 17568), (713, 17616), (723, 17649), (731, 17682), (737, 17700), (767, 17847), (774, 17865), (822, 17991), (851, 18081), (870, 18180), (881, 18246), (883, 18255), (895, 18315), (897, 18324), (902, 18360), (909, 18378), (916, 18411), (921, 18459),

Gene: XianYue_26 Start: 16577, Stop: 19105, Start Num: 130
Candidate Starts for XianYue_26:
(Start: 130 @16577 has 101 MA's), (197, 16754), (198, 16757), (199, 16760), (219, 16808), (249, 16928), (253, 16949), (256, 16958), (262, 16967), (278, 17012), (285, 17045), (293, 17072), (298, 17087), (309, 17129), (310, 17138), (314, 17159), (320, 17186), (323, 17204), (333, 17237), (337, 17258), (340, 17279), (341, 17282), (381, 17468), (388, 17510), (391, 17519), (401, 17564), (407, 17585), (422, 17651), (432, 17690), (474, 17810), (482, 17828), (504, 17876), (509, 17888), (511, 17891), (542, 17996), (550, 18011), (555, 18020), (567, 18056), (575, 18083), (577, 18086), (589, 18104), (590, 18107), (715, 18380), (722, 18407), (726, 18422), (734, 18452), (739, 18464), (746, 18500), (757, 18548), (773, 18602), (809, 18653), (826, 18686), (846, 18710), (873, 18827), (886, 18905), (924, 19091),

Gene: Yecey3_26 Start: 15697, Stop: 18618, Start Num: 66
Candidate Starts for Yecey3_26:
(Start: 42 @15568 has 1 MA's), (Start: 66 @15697 has 43 MA's), (69, 15709), (112, 15868), (129, 15910), (Start: 138 @15931 has 1 MA's), (191, 16099), (212, 16153), (214, 16156), (236, 16285), (253, 16360), (256, 16369), (258, 16372), (262, 16378), (264, 16384), (281, 16435), (298, 16498), (302, 16519), (305, 16528), (308, 16537), (310, 16549), (319, 16594), (320, 16597), (323, 16615), (324, 16618), (330, 16639), (337, 16669), (338, 16681), (347, 16729), (354, 16762), (356, 16774), (381, 16879), (393, 16936), (394, 16939), (401, 16975), (407, 16996), (410, 17005), (412, 17017), (422, 17062), (432, 17101), (454, 17164), (479, 17233), (518, 17332), (540, 17401), (542, 17407), (563, 17452), (567, 17467), (568, 17473), (589, 17515), (590, 17518), (609, 17545), (615, 17572), (680, 17698), (685, 17710), (722, 17818), (728, 17851), (734, 17863), (739, 17875), (746, 17911), (747, 17914), (761, 17980), (766, 18001), (767, 18004), (769, 18013), (778, 18043), (814, 18124), (822, 18145), (839, 18199), (847, 18226), (864, 18298), (865, 18304), (881, 18391), (884, 18403), (886, 18415), (899, 18490), (913, 18526), (917, 18556),

Gene: YoSam321_25 Start: 15882, Stop: 18482, Start Num: 95
Candidate Starts for YoSam321_25:
(Start: 95 @15882 has 129 MA's), (Start: 153 @16023 has 23 MA's), (Start: 163 @16041 has 10 MA's), (238, 16248), (248, 16287), (255, 16317), (290, 16434), (298, 16461), (313, 16524), (326, 16587), (337, 16632), (344, 16674), (362, 16758), (460, 17025), (490, 17076), (519, 17121), (554, 17199), (571, 17238), (639, 17406), (649, 17427), (659, 17451), (679, 17511), (680, 17517), (697, 17571), (713, 17619), (731, 17685), (767, 17850), (774, 17868), (822, 17994), (880, 18246), (881, 18249), (883, 18258), (895, 18318), (916, 18414), (921, 18462),

Gene: Yokurt_29 Start: 16715, Stop: 18931, Start Num: 93
Candidate Starts for Yokurt_29:
(77, 16670), (Start: 93 @16715 has 49 MA's), (Start: 145 @16826 has 7 MA's), (196, 16982), (269, 17129), (273, 17141), (312, 17288), (313, 17291), (319, 17324), (339, 17414), (352, 17483), (375, 17558), (425, 17726), (623, 17984), (656, 18029), (721, 18137), (749, 18200), (758, 18242), (789, 18341), (797, 18362), (813, 18404), (830, 18455), (840, 18482), (857, 18563), (873, 18653),

Gene: Zaka_29 Start: 16715, Stop: 18931, Start Num: 93
Candidate Starts for Zaka_29:
(77, 16670), (Start: 93 @16715 has 49 MA's), (Start: 145 @16826 has 7 MA's), (196, 16982), (269, 17129), (273, 17141), (312, 17288), (313, 17291), (319, 17324), (339, 17414), (352, 17483), (375, 17558), (425, 17726), (623, 17984), (656, 18029), (721, 18137), (749, 18200), (758, 18242), (789, 18341), (797, 18362), (813, 18404), (830, 18455), (840, 18482), (857, 18563), (873, 18653),

Gene: Zarafa_25 Start: 15557, Stop: 18595, Start Num: 47
Candidate Starts for Zarafa_25:
(Start: 47 @15557 has 37 MA's), (87, 15731), (90, 15743), (Start: 99 @15776 has 4 MA's), (171, 15986), (214, 16109), (219, 16130), (256, 16316), (278, 16370), (294, 16433), (298, 16445), (306, 16478), (310, 16496), (324, 16565), (326, 16571), (330, 16586), (333, 16595), (335, 16607), (337, 16616), (354, 16709), (381, 16826), (382, 16829), (386, 16856), (388, 16868), (401, 16922), (407, 16943), (412, 16964), (422, 17009), (432, 17048), (468, 17141), (483, 17189), (504, 17234), (511, 17249), (530, 17324), (534, 17333), (547, 17363), (555, 17378), (573, 17435), (589, 17462), (590, 17465), (671, 17615), (677, 17636), (691, 17675), (707, 17714), (722, 17765), (723, 17768), (725, 17777), (730, 17801), (749, 17870), (753, 17891), (767, 17960), (774, 17978), (789, 18026), (793, 18038), (814, 18080), (818, 18092), (833, 18140), (874, 18311), (877, 18341), (883, 18371), (887, 18392), (916, 18527), (917, 18539), (921, 18575),

Gene: Zeeculate_23 Start: 16356, Stop: 19016, Start Num: 135
Candidate Starts for Zeeculate_23:
(Start: 135 @16356 has 221 MA's), (Start: 150 @16395 has 5 MA's), (171, 16458), (182, 16488), (196, 16530), (255, 16641), (268, 16674), (313, 16839), (326, 16902), (337, 16947), (342, 16971), (357, 17046), (360, 17058), (455, 17379), (566, 17709), (587, 17760), (597, 17787), (669, 17991), (710, 18105), (713, 18114), (720, 18135), (725, 18156), (749, 18255), (758, 18297), (759, 18300), (802, 18429), (830, 18513), (844, 18558), (895, 18840), (911, 18927), (918, 18966),

Gene: Zephyr_24 Start: 16453, Stop: 18933, Start Num: 135
Candidate Starts for Zephyr_24:
(Start: 135 @16453 has 221 MA's), (Start: 150 @16492 has 5 MA's), (171, 16555), (182, 16585), (196, 16627), (284, 16834), (290, 16852), (313, 16942), (326, 17005), (333, 17029), (335, 17041), (344, 17092), (483, 17476), (538, 17578), (558, 17617), (566, 17632), (569, 17644), (579, 17668), (625, 17797), (667, 17896), (705, 17998), (713, 18019), (725, 18061), (749, 18160), (762, 18223), (789, 18313), (834, 18442), (843, 18475), (895, 18757), (907, 18823), (911, 18844), (918, 18883), (920, 18898),

Gene: Zetzy_26 Start: 15513, Stop: 18539, Start Num: 48
Candidate Starts for Zetzy_26:
(40, 15459), (Start: 48 @15513 has 89 MA's), (71, 15627), (88, 15693), (90, 15696), (92, 15705), (104, 15741), (122, 15792), (148, 15864), (171, 15936), (212, 16056), (214, 16059), (225, 16128), (231, 16173), (256, 16266), (262, 16275), (268, 16293), (278, 16320), (294, 16383), (298, 16395), (306, 16428), (310, 16446), (323, 16512), (324, 16515), (326, 16521), (330, 16536), (335, 16557), (337, 16566), (354, 16659), (381, 16776), (382, 16779), (386, 16806), (388, 16818), (401, 16872), (407, 16893), (422, 16959), (432, 16998), (468, 17091), (483, 17139), (504, 17184), (511, 17199), (530, 17274), (534, 17283), (555, 17328), (568, 17370), (589, 17412), (610, 17445), (666, 17553), (691, 17625), (713, 17685), (722, 17715), (723, 17718), (725, 17727), (767, 17910), (789, 17976), (793, 17988), (814, 18030), (835, 18093), (852, 18150), (865, 18219), (874, 18255), (887, 18336), (916, 18471), (917, 18483),

Gene: Zeuska_25 Start: 16887, Stop: 19367, Start Num: 135
Candidate Starts for Zeuska_25:
(Start: 135 @16887 has 221 MA's), (Start: 150 @16926 has 5 MA's), (171, 16989), (182, 17019), (196, 17061), (284, 17268), (290, 17286), (313, 17376), (326, 17439), (333, 17463), (335, 17475), (344, 17526), (483, 17910), (538, 18012), (558, 18051), (569, 18078), (579, 18102), (625, 18231), (667, 18330), (705, 18432), (713, 18453), (718, 18465), (725, 18495), (749, 18594), (762, 18657), (834, 18876), (843, 18909), (895, 19191), (911, 19278), (918, 19317), (920, 19332),

Gene: Zimmer_28 Start: 18207, Stop: 21335, Start Num: 33
Candidate Starts for Zimmer_28:
(13, 17961), (26, 18177), (Start: 33 @18207 has 5 MA's), (Start: 66 @18384 has 43 MA's), (69, 18396), (106, 18534), (157, 18681), (178, 18744), (191, 18786), (212, 18840), (214, 18843), (253, 19044), (256, 19053), (258, 19056), (278, 19107), (285, 19140), (296, 19176), (310, 19233), (319, 19278), (320, 19281), (323, 19299), (324, 19302), (330, 19323), (337, 19353), (346, 19404), (347, 19413), (393, 19620), (398, 19644), (401, 19659), (402, 19662), (407, 19680), (410, 19689), (412, 19701), (421, 19743), (422, 19746), (429, 19779), (432, 19785), (454, 19848), (504, 19971), (542, 20091), (560, 20130), (563, 20136), (567, 20151), (575, 20178), (577, 20181), (589, 20199), (601, 20208), (604, 20214), (618, 20262), (666, 20340), (691, 20412), (692, 20415), (696, 20427), (722, 20502), (725, 20514), (730, 20538), (734, 20547), (767, 20703), (776, 20739), (780, 20748), (814, 20823), (839, 20904), (840, 20907), (841, 20913), (874, 21060), (880, 21108), (881, 21111), (886, 21135), (917, 21276),

Gene: Zolita_21 Start: 15350, Stop: 18763, Start Num: 1
Candidate Starts for Zolita_21:
(Start: 1 @15350 has 40 MA's), (4, 15410), (8, 15563), (11, 15602), (19, 15788), (59, 16016), (62, 16028), (65, 16040), (Start: 95 @16172 has 129 MA's), (118, 16250), (131, 16280), (152, 16337), (202, 16484), (204, 16490), (206, 16496), (269, 16622), (273, 16634), (313, 16784), (320, 16820), (326, 16850), (330, 16865), (337, 16895), (338, 16907), (343, 16931), (356, 17000), (379, 17066), (425, 17222), (457, 17291), (458, 17294), (472, 17321), (485, 17345), (543, 17483), (556, 17504), (572, 17549), (593, 17591), (672, 17783), (680, 17813), (690, 17837), (693, 17849), (699, 17870), (716, 17912), (740, 17999), (749, 18035), (753, 18056), (758, 18077), (781, 18155), (789, 18176), (797, 18197), (804, 18218), (813, 18239), (822, 18263), (842, 18326), (863, 18419), (866, 18437), (880, 18518), (883, 18530), (885, 18542), (887, 18551), (898, 18605), (915, 18689), (916, 18698),

Gene: Zulu_29 Start: 16714, Stop: 18930, Start Num: 93
Candidate Starts for Zulu_29:
(77, 16669), (Start: 93 @16714 has 49 MA's), (Start: 145 @16825 has 7 MA's), (196, 16981), (269, 17128), (273, 17140), (312, 17287), (313, 17290), (319, 17323), (339, 17413), (352, 17482), (375, 17557), (425, 17725), (623, 17983), (656, 18028), (721, 18136), (749, 18199), (758, 18241), (789, 18340), (797, 18361), (813, 18403), (830, 18454), (840, 18481), (857, 18562), (873, 18652),